AN INDEX

TO THE COLLEMBOLA

by

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*SECTION III—AN INDEX TO THE COLLEMBOLA

Each entry herein is given in the following order: year of publication, specific name, author's name, bibliographic reference number in brackets, page number of the reference or inclusive page numbers of the publication concerned, reference to any illustrations, geographical locality, and explanatory additional information—e.g., taxonomy, ecology, swarming, etc.

The repository of type material, when this is known, is recorded immediately below the species entry in each case.

Family: ONYCHIURIDAE Börner, 1913 (249) p. 319.

Sub-family PACHYTULLBERGIINAE Stach, 1954 (1891) p. 6.

Genus: PACHYTULLBERGIA Bonet, 1947 (219) p. 405.
Type species fixed: *P. scabra* Bonet, 1947 (219) p. 405.

Pachytullbergia scabra Bonet, 1947

1947. *Pachytullbergia scabra* Bonet (219) p. 405, figs. 1–5, Argentina.
1956. *Pachytullbergia scabra* Paclt (1541) p. 17, fig. 16, Biology.

Genus: PALEOTULLBERGIA Del. Deb., 1951 (578) p. 280.
Type species fixed: *P. primigenia* Del. Deb., 1951 (578) p. 280.

Paleotullbergia primigenia Del. Deb., 1950

1950. *Paleotullbergia primigenia* Del. Deb. (570) pp. 53, 163, fig. 40, Ivory Coast.
1951. *Paleotullbergia primigenia* Del. Deb. (578) p. 280, Ivory Coast.

Sub-family: TULLBERGIINAE Bagnall, 1935 (112) p. 238.

†Genus: TULLBERGIA Lubbock, 1876 (1321) p. 324.
= *Boerneria* Willem, 1902 (2130) p. 1.
= *Protullbergia* Bagnall, 1947 (124) p. 435.
Type species fixed: *T. antarctica* Lubbock, 1876 (1321) by Gisin, 1951 (878) p. 57.
Tullbergia Lubbock, 1876 (1321) p. 324. Placed on Official List of Generic Names, 1958, *Int. Comm. Zool. Nomen.*, 1958 (2377) p. 94, as proposed by Gisin, Opinion 291, 1951 (878) and 1954 (1100) p. 104.

Tullbergia affinis Börner, 1903

TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Tullbergia affinis* Börner (238) p. 130, p. 127 key. Sicily, Italy.
1905. *Tullbergia affinis* Axelson (81) p. 28, Tvärminne, Finland.
1906. *Tullbergia affinis* Axelson (82), p. 10, figs. 1–4, Russia.
1907. *Tullbergia affinis* Axelson (83) p. 129, Finland.
1912. *Tullbergia affinis* Axelson (1292) p. 95, Finland.
1920. *Tullbergia bipartita* Handschin (979) p. 30, Switzerland.
1922. *Tullbergia affinis* Stach (1860) p. 12, Hungary.
1924. *Tullbergia bipartita* Handschin (981) p. 106, Switzerland.
1929. *Tullbergia affinis* Handschin (1008) p. 51, Baltics, Finland, Italy.
1930. *Tullbergia affinis* Stach (1869), p. 286, Sicily, Europe.
1930. *Tullbergia affinis* Womersley (2165) p. 37, figs. 18–20, England.
1935. *Tullbergia affinis* Kseneman (1213), p. 11, Europe.
1937. *Tullbergia affinis* Drenowski (695) p. 2, Bulgaria.
1939. *Tullbergia affinis* Agrell (44) p. 161, Sweden, Finland, Baltic, Italy.
1939. *Tullbergia bipartita borneri* Bagnall (117) p. 21, England.
1941. *Tullbergia affinis* Agrell (46) p. 19, Swedish Lapland.
1943. *Tullbergia affinis* Agrell (47) p. 125, Sweden.
1943. *Tullbergia affinis* Denis (670) p. 39, List of References.
1943. *Tullbergia (Metaphorura) affinis* Gisin (855) p. 154, Switzerland.
1943. *Tullbergia (Metaphorura) affinis* Gisin (855) p. 17, fig. 14.
1944. *Mesaphorura affinis* Bonet (215) p. 51, Mexico.
1944. *Tullbergia (Metaphorura) affinis* C. B. Gisin (855) p. 121, Switzerland.
1945. *Tullbergia affinis* Agrell (50) p. 10, habitats, Sweden.
1948. *Tullbergia affinis* Denis (675) p. 14, Cf. *T. bipartita*—synonymy.
1948. *Tullbergia affinis* Gisin (867) p. 81, Switzerland.
1948. *Tullbergia affinis* Gisin (868) p. 79, Switzerland.
1949. *Tullbergia affinis* Strenzke (1922) p. 206, ecology, Germany.
1950. *Tullbergia affinis* Gisin (875) p. 415, Cf. *T. bipartita*—synonymy.
1951. *Tullbergia affinis* Gisin (877) p. 85, Switzerland.
1951. *Tullbergia affinis* Schaller (1746) p. 464, Ecology.
1951. *Tullbergia affinis* Stach (1889) p. 15, fig. 7-F, Europe.
1954. *Metaphorura affinis* Stach (1891) p. 207, Pl. XXVI, figs. 1, 2.
1955. *Tullbergia affinis* Palissa (1545), p. 482, Ecology.
1955. *Tullbergia (Metaphorura) affinis* Strenzke (1926) p. 30, Sth. Sweden.
1956. *Tullbergia affinis* Bockemuhl (193) p. 137, Spitzbergen.
1956. *Tullbergia affinis* Gisin (896) p. 8, Geneva.
1956. *Tullbergia affinis* Paclt (1541) p. 35, fig. 46, Europe.
1957. *Tullbergia affinis* Gisin (898) p. 110, Switzerland.
1957. *Tullbergia affinis* Gunhold (2280) p. 471, Ecology.
1957. *Tullbergia affinis* Haarlon (2281) p. 15, habitat, Denmark.
1958. *Tullbergia (Metaphorura) affinis* Grindbergs (2277) p. 194, Latvia.
1958. *Tullbergia affinis* Höller-Land (2283) p. 110, Ecology.
1958. *Tullbergia affinis* von Torne (1993) p. 663, Austria.
1959. *Tullbergia affinis* Höller-Land (2284) p. 436, Ecology, Germany.
1959. *Tullbergia affinis* Murphy (1474), p. 158, Ecology.
1959. *Tullbergia (Metaphorura) affinis* Paclt (2317) p. 339, Europe.
1959. *Metaphorura affinis* Stach (1896) p. 61, Europe.
1960. *Tullbergia affinis* Gisin (2271) p. 154, figs. 22 and 294, Europe.
1960. *Tullbergia (Metaphorura) affinis* Grindbergs (2373) p. 36, U.S.S.R.

Tullbergia antarctica Lubbock, 1876

1876. *Tullbergia antarctica* Lubbock (1321) p. 324, Kerguelen Island.

* For those papers recorded in the fourth and fifth supplements to the bibliography the new species only are included in this index.

† Bacon, 1914 (94) p. 171, describes a new *Tullbergia* without giving it a name.

1879. *Tullbergia antarctica* Lubbock (1322) p. 249, Pl. XIII, fig. 1 a-c.
1879. *Tullbergia antarctica* Studer (1933) p. 113, Kerguelen Is.
1889. *Tullbergia antarctica* Studer (1934) pp. 125, 128, fig. 7, Kerguelen Is.
1898. *Tullbergia antarctica* Scherbakow (1750) p. 58, figs. 1–3, Kiev.
1900. *Tullbergia antarctica* Chun (448) p. 245, Entomology.
1903. *Tullbergia antarctica* Börner (238) pp. 123–131, Kerguelen Is.
1903. *Tullbergia antarctica* Enderlein (722) p. 241, Antarctic.
1909. *Tullbergia antarctica* Enderlein (724) p. 407, Crozet I., Kerguelen Is., Heard I.
1927. *Tullbergia antarctica* Denis (627) p. 246, Antarctic.
1937. *Tullbergia antarctica* Womersley (2185) p. 2, Crozet I., Kerguelen Is.
1943. *Tullbergia antarctica* Denis (670) p. 40. List of References.
1947. *Tullbergia antarctic* Denis (673) p. 37, Crozet I, Kerguelen Is., Indian Ocean.
1951. *Tullbergia antarctica* Gisin (878) p. 57.
1954. *Tullbergia (Tullbergia) antarctica Int. Comm. Zool. Nom.* (1100) p. 105. Officially validated trivial name.
1958. *Tullbergia (Tullbergia) antarctica Int. Comm. Zool. Nom.* (2378) p. 25. Officially validated trivial name.

Tullbergia arctica Wahlgren, 1900

1900. *Tullbergia arctica* Wahlgren (2077) pp, 359, 379, figs. 4, 5. Jan Mayen I.
1920. *Tullbergia arctica* Wahlgren (2090) p. 5, Eurasia.
1953. *Tullbergia arctica* Gisin (885) p. 232, Ad. description.
1954. *Tullbergia arctica* MacFadyen (1339) p. 290. Jan Mayen I.
1960. *Tullbergia arctica* Gisin (2271) p. 153, fig. 292. Jan Mayen I.

Tullbergia australica Womersley, 1933

PARATYPES: Sth. Austr. Mus., Adelaide.
1933. *Tullbergia australica* Womersley (2176) p. 68, figs. 9 d–g, Australia.
1937. *Tullbergia australica* Womersley (2189) p. 115, Victoria.
1939. *Tullbergia australica* Womersley (2190) p. 130, figs. 50 E–H. Australia.
1947. *Protullbergia salmoni* Bagnall (124) p. 441, New South Wales.
TYPE: Brit. Mus. Nat. Hist., London.
1947. *Protullbergia womersleyi* Bagnall (124) p. 442, Australia.
TYPE, PARATYPES: Brit. Mus. Nat. Hist., London.

Tullbergia bisetosa* Börner, 1903

1903. *Tullbergia bisetosa* Börner (238) p. 128. Kerguelen Island.
1903. *Tullbergia bisetosa* Enderlein (722) p. 242, Kerguelen I.
1906. *Tullbergia insularis* Wahlgren (2079) p. 8. Tierra del Fuego, South Georgia, Falkland Is.
1909. *Tullbergia bisetosa* Enderlein (724) p. 461, Kerguelen I.
1909. *Tullbergia insularis* Enderlein (724) p. 461, South Georgia.
1912. *Tullbergia insularis* Enderlein (725) pp. 56, 127, 139. Falkland Is. Tierra del Fuego, South Georgia.
1935. *Tullbergia bisetosa* Womersley (2181) p. 212. Synonymy, Australasia.
1937. *Tullbergia bisetosa* Womersley (2185) p. 2, Macquarie I., Kerguelen I., Heard I.
1947. *Tullbergia bisetosa* Denis (673) p. 41, Marion I, Kerguelen I., Indian Ocean.

Tullbergia duplex Da Gama, 1962

HOLOTYPE: Mus. Zool., Univ. Coimbra, Portugal.
1962. *Tullbergia duplex* Da Gama (2455) p. 105, fig. vi; Portugal.

Tullbergia gambiense Womersley, 1935

1935. *Tullbergia gambiense* Womersley (2181) p. 211, figs. 3a-c, Australia.
1939. *Tullbergia gambiense* Womersley (2190) p. 131, figs. 50, I-K, South Australia.

Tullbergia minensis Arlé, 1959

1959. *Tullbergia minensis* Arlé (2250) p. 165, figs. 74–83, Brazil.

Tullbergia mixta Wahlgren, 1906

NEOTYPE: Brit. Mus. Nat. Hist., London.
1906. *Tullbergia mixta* Wahlgren (2079) p. 8, South Shetland Is.
1909. *Tullbergia mixta* Enderlein (724) p. 461, Graham Land, South Shetland Is.
1959. *Tullbergia mixta* Gressit and Weber (2273) p. 445, South Shetland Is., Graham Ld.

Tullbergia scalpellata Salmon, 1949

TYPE, PARATYPES: Dominion Mus., Wellington, N.Z.
1949. *Tullbergia scalpellata* Salmon (1689) p. 17, figs. 44–48, Campbell I.

Tullbergia subantarctica Salmon, 1949

TYPE, PARATYPES: Dominion Mus., Wellington, N.Z.
1949. *Tullbergia subantarctica* Salmon (1689) p. 18, figs. 49–53, Campbell I.
1954. *Tullbergia subantarctica* Salmon (1704), p. 216, New Zealand.
1956. *Tullbergia subantarctica* Paviour-Smith (1570) p. 552, New Zealand.
1958. *Tullbergia subantarctica* Salmon (1718) p. 707, New Zealand.

Tullbergia tillyardi Womersley, 1939

1939. *Tullbergia tillyardi* Womersley (2190) p. 317, fig. 50, South Australia, Victoria.
1939. *Tullbergia trisetosa* Womersley (2190) p. 130, fig. 50, Sth. Australia.
1942. *Tullbergia tillyardi* Womersley (2193) p. 24, Australia.

Tullbergia trisetosa (Schaeffer) 1897

1897. *Aphorura trisetosa* Schaeffer (1736) p. 5, figs. 1, 2, Tierra del Fuego.
1900. *Aphorura trisetosa* Wahlgren (2078) p. 270, Tierra del Fuego.
1901. *Aphorura trisetosa* Börner (235) p. 102, fig. 3, Systematics.
1902. *Aphorura trisetosa quadrisetosa* Willem (2130) p. 1, Antarctic.

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* Womersley (2181) p. 212 records *T. insularis* Wahlgren as a synonym of *T. bisetosa* Börner but gives no validating reasons. Comparison of Wahlgren's description of *insularis* with Börner's description of *bisetosa* does indicate that the sense organs of Ant. III and the postantennal organs of both insects are very similar if not identical. I have, therefore, accepted this synonymy here.

1902. *Borneria quadrisetosa* Willem (2130) p. 1, Antarctic.
1903. *Tullbergia trisetosa* Börner (238) p. 126, Systematics.
1912. *Tullbergia trisetosa* Enderlein (725) p. 126, Tierra del Fuego.
1933. *Aphorura trisetosa* Womersley (2176) p. 67, fig. 9, Australia.
1939. *Tullbergia trisetosa* Womersley (2190) p. 130, fig. 50, Sth. Australia.
1939. *Tullbergia trisetosa* Womersley (2190) p. 317 = *T. tullbergi* n. sp.

Tullbergia trisetosa quadrisetosa (Willem) 1902

1902. *Börneria quadrisetosa* Willem (2130) p. 4, Pl. 1, figs. 1–6, Tierra del Fuego.

Genus: PARATULLBERGIA Womersley, 1930 (2167) p. 149.

Type species fixed: *P. concolor* Womersley, 1930 (2167) p. 150, by Bagnall, 1935 (112) p. 242.

Paratullbergia callipygos (Börner) 1903

LECTOTYPE: Brit. Mus. Nat. Hist., London.
1903. *Tullbergia callipygos* Börner (238) pp. 127–129 Calabria, Italy.
1931. *Tullbergia callipygos* Denis (639) p. 213, Systematics, Germany.
1934. *Tullbergia callipygos,* Womersley (2177) pp. 453, 468, Europe, Sth. Africa.
1943. *Tullbergia* (*Paratullbergia*) *callipygos* Gisin (853) p. 153, Switzerland.
1944. *Tullbergia* (*Paratullbergia*) *callipygos* Gisin (855) p. 14, fig. 11, Systematics.
1948. *Tullbergia callipygos* Gisin (867) p. 81, Switzerland.
1949. *Tullbergia callipygos* Strenzke (1922) p. 206, Germany.
1953. *Tullbergia callipygos* Cassagnau (415) p. 66, France.
1955. *Tullbergia callipygos* Goto (921) p. 267, Britain.
1956. *Tullbergia* (*Paratullbergia*) *callipygos* Bockemuhl (193) p. 136, Spitzbergen.
1956. *Tullbergia callipygos* Gisin (901) p. 477, Madeira.
1956. *Tullbergia callipygos* von Torne (1900) p. 500, Switzerland.
1958. *Tullbergia calipygos* Holler-Land (2283) p. 110. Ecology.
1958. *Tullbergia callipygos* von Torne (1993) p. 663, Austria.
1959. *Mesaphorura callipygos* Da Gama (494) p. 19, fig. VIII, Madeira.
1959. *Mesaphorura callipygos* Da Gama (2266) p. 13, Portugal.
1959. *Tullbergia callipygos* Haybach (2375) Tab. VIII, Ecology.
1959. *Tullbergia callipygos* Holler-Land (2284), p. 436, Ecology, Germany.
1959. *Tullbergia callipygos* Poole (1604) p. 75, Food of Collembola.
1960. *Tullbergia callipygos* Gisin (2271) p. 153, fig. 293, Europe, Madeira.

Paratullbergia callipygos hirsuta Cassagnau, 1952

1952. *Tullbergia callipygos hirsuta* Cassagnau (411) p. 305, fig. 1, France.

Paratullbergia carpenteri Bagnall, 1935

PARATYPES Brit. Mus. Nat. Hist., London.
1935. *Paratullbergia carpenteri* Bagnall (114) p. 168, figs. 1–3, Britain.
1937. *Paratullbergia carpenteri* Bagnall (116) p. 150, Britain.
1939. *Paratullbergia carpenteri* Bagnall (120) p. 197, Britain.

Paratullbergia concolor Womersley, 1930

TYPE: Brit. Mus. Nat. Hist., London.
1930. *Paratullbergia concolor* Womersley (2167) p. 151, figs. 3–10, Britain.
1933. *Paratullbergia concolor* Turk (2007) p. 93, Britain.
1935. *Paratullbergia concolor* Bagnall (112) p. 242, figs. 4–8, Classification, Britain.
1935. *Paratullbergia concolor* Bagnall (114) p. 168. Note on generic name. England.

Paratullbergia simplex* (Gisin) 1958 **nov. comb.**

TYPE: Mus. Hist. Natur., Geneva.
1958. *Tullbergia simplex* Gisin (902) p. 89, figs. 9–11, Italy.
1960. *Tullbergia simplex* Gisin (2271) p. 152, figs. 290 and 291, Italy.

Paratullbergia womersleyi Bagnall, 1935

TYPE: Brit. Mus. Nat. Hist., London.
1935. *Paratullbergia womersleyi* Bagnall (114) p. 169, Britain.

Genus: CLAVAPHORURA Salmon, 1943 (1680) p. 377.
Type species fixed: *C. septemseta* Salmon, 1943 (1680) p. 377 (monotype).

Clavaphorura septemseta Salmon, 1943

TYPE, PARATYPES: Dominion Mus., Wellington, N.Z.
1943. *Clavaphorura septemseta* Salmon (1680) p. 377, Pl. 41, figs. 22–27, New Zealand.
1949. *Tullbergia septemspina*† Schaller (1742) p. 268; Ecology, Germany.

Genus: DINAPHORURA Bagnall, 1935 (112) p. 241.

Type species fixed: *D. spinosissima* (Wahlgren) 1906 (2079) p. 9, by Bagnall, 1935 (112) p. 242.

Dinaphorura americana Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Dinaphorura americana* Rapoport (2533) p. 17, figs. 114–123; Argentina.

Dinaphorura diversispina Womersley, 1935

SYNTYPES: Sth. Austr. Mus., Adelaide.
1935. *Dinaphorura diversispina* Womersley (2181) p. 213, fig. 3 d-i, Australia, New Zealand.
1939. *Dinaphorura diversispina* Womersley (2190) p. 133, fig. 50 L-Q, Sth. Australia.
1947. *Dinaphorura harrisoni* Bagnall (124) p. 437, Australia.
1947. *Protullbergia willemi* (Bagnall) (124) p. 442, Australia.
TYPE, COTYPES: Brit. Mus. Nat. Hist., London.

Dinaphorura laterospina Salmon, 1941

TYPE, PARATYPES: Dominion Mus., Wellington, N.Z.
1941. *Dinaphorura laterospina* Salmon (1676) p. 311, Pl. 48, figs. 132–136, New Zealand.

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* This species is transferred to *Paratullbergia* on account of the nature of the sense organ of Ant. III.

† *spec. indet.,* possibly *Dinaphorura diversispina.*

Dinaphorura novae-zealandeae Womersley, 1935

1935. *Dinaphorura novae-zealandeae* Womersley (2181) p. 213, fig. 3 j-k, New Zealand.
1941. *Dinaphorura novae-zealandeae* Salmon (1676) p. 310, fig. 131, New Zealand.

Dinaphorura spinosissima (Wahlgren), 1906

1906. *Tullbergia spinosissima* Wahlgren (2079) p. 9, figs. 14, 15, Tierra del Fuego.
1912. *Tullbergia spinosissima* Enderlein (725) p. 126, Tierra del Fuego.
1935. *Dinaphorura spinosissima* Bagnall (112) p. 241, figs. 9 and 10, Antarctic.
1937. *Dinaphorura spinosissima* Womersley (2185) p. 3, Kerguelen I.
1949. *Tullbergia septemspina* ? Schaller (1742) p. 268, Ecology, Germany.

Genus: AUSTRAPHORURA Bagnall, 1947 (124) p. 438.
Type species fixed: *A. wahlgreni* by Bagnall, 1947 (124) p. 438 (monotype).

Austraphorura wahlgreni Bagnall, 1947

TYPE: Brit. Mus. Nat. Hist., London.
1947. *Austraphorura wahlgreni* Bagnall (124) p. 438, Australia.

Genus: NEOTULLBERGIA Bagnall, 1935 (112) p. 241.
Type species fixed: *N. tricuspis* (BÖRNER) 1902 (238) p. 127, by Bagnall, 1935 (112) p. 241.

Neotullbergia americana Bonet, 1944

1944. *Neotullbergia americana* Bonet (215) p. 69, figs. 22–25, Mexico.

Neotullbergia crassicuspis† (Gisin) 1943

TYPE: Mus. Hist. Natur., Geneva.
1943. *Tullbergia* (*Neotullbergia*) *crassicuspis* Gisin (853) p. 154, Switzerland.
1944. *Tullbergia* (*Neotullbergia*) *crassicuspis* Gisin (855), p. 16, fig. 13, Switzerland.
1953. *Tullbergia crassicuspis* Sheals (1815) p. 172, Britain.
1955. *Tullbergia crassicuspis* Gisin (890) p. 144, Switzerland.
1956. *Tullbergia* (*Neotullbergia*) *crassicuspis* Bockemuhl (193) p. 136, Spitzbergen.
1960. *Tullbergia crassicuspis* Gisin (2271) p. 155, figs. 27, 297, Germany, Switzerland, Spain, Scotland.
1960. *T.* (*Neotullbergia*) *crassicuspis* Grindbergs (2373) p. 36, U.S.S.R.

Neotullbergia laingi Bagnall, 1936

TYPE: Brit. Mus. Nat. Hist., London.
1936. *Neotullbergia laingi* Bagnall (115) p. 35, figs. 12–14, Britain.
1937. *Neotullbergia laingi* Bagnall (116) p. 149, Britain.

Neotullbergia pusilla (Giard) 1895

1895. *Lipura pusilla* Giard (846) p. 218, Chile.
1934. *Lipura pusilla* Stach (1891) p. 79, *nov. comb.*
1944. *Neotullbergia pusilla* Bonet (215) p. 71, *nov. comb.*

Neotullbergia ramicuspis (Gisin) 1953 nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1953. *Tullbergia ramicuspis* Gisin (886) p. 60, fig. 2, Switzerland.
1958. *Tullbergia ramicuspis* Holler-Land (2283) p. 110, Ecology.
1960. *Tullbergia ramicuspis* Gisin (2271) p. 155, fig. 27, Switzerland, Germany, Spain.

Neotullbergia tricuspis (Börner) 1903

1903. *Tullbergia tricuspis* Börner (238) pp. 127, 130, Calabria, Italy.
1936. *Neotullbergia laingi* Bagnall (115) p. 34, Britain.
1936. *Tullbergia tricuspis* Tarsia in Curia (1951) p. 22, Trento, Italy.
1940. *Tullbergia staudacheri*‡ Kos (1197) p. 137–138 and p. 160, figs. 32-42, Eastern Europe.
1943. *Tullbergia* (*Neotullbergia*) *tricuspis* Gisin (853) p. 154, Switzerland.
1944. *Tullbergia* (*Neotullbergia*) *tricuspis* Gisin (855) p. 16, fig. 12, History.
1955. *Tullbergia tricuspis* Gisin (890) p. 144, Switzerland.
1957. *Neotullbergia tricuspis* Strebel (1920) p. 471, Europe.
1957. *Tullbergia tricuspis* Strebel (1920) p. 470, Europe.
1960. *Tullbergia tricuspis* Gisin (2271), p. 154, Europe.

Genus: METAPHORURA* Bagnall, 1936 (115) p. 36.
Type species now designated: *M. bipartita* (Handschin) 1921 (979) p. 30.

Metaphorura bipartita (Handschin) 1921

1921. *Tullbergia bipartita* Handschin (979) p. 30, figs. 65–70, Switzerland.
1924. *Tullbergia bipartita* Denis (614) p. 259, France.
1924. *Tullbergia bipartita* Handschin (981), p. 106, Switzerland.
1929. *Tullbergia bipartita* Bonet (200), p. 798, Spain.
1929. *Tullbergia bipartita* Handschin (1008), p. 52, figs. 83-85, Alps and South France.
1931. *Tullbergia bipartita* Denis (639), p. 213, References. Germany.
1934. *Tullbergia bipartita* Davies (521) p. 92, Morphology, Wales.
1934. *Tullbergia bipartita* Davies (522) p. 119, N. Wales.
1935. *Tullbergia bipartita* Kseneman (1213) p. 11, Czechoslovakia.
1936. *Metaphorura bipartita* Bagnall (115) pp. 36–37, fig. 15, Sth. France, Wales.
1936. *Metaphorura börneri* Bagnall (115) p. 36.; Britain.
HOLOTYPE: Brit. Mus. Nat. Hist., London.
1936. *Tullbergia bipartita* Tarsia in Curia (1951) pp. 22–23, Trento, Italy.
1937. *Metaphorura börneri* Bagnall (116) p. 149, Britain.
1938. *Tullbergia bipartita* Kseneman (1220) p. 11, France, Yugoslavia, Czechoslovakia.

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† This species, along with *T. ramicuspis* Gisin (886) is transferred to the genus *Neotullbergia* on account of the branching nature of the anal spines.

‡ I agree with Gisin (2271) 1960, p. 154, that this species is identical with *N. tricuspis* (Börner), and I can find no valid reason in the description and drawings of Kos to regard it as a separate species.

* Bagnall in erecting the genus *Metaphorura* did not designate a type species for the genus. His species *M. börneri* is undoubtedly a synonym of Handschin's species *M. bipartita* and, therefore, I would take this opportunity of designating the species *M. bipartita* (Hand.) as the type species for the genus *Metaphorura* Bagnall.

1943. *Tullbergia bagnalli* Denis (670) p. 31, figs. 5–7, France.
1943. *Tullbergia bipartita* Denis (670), p. 40, List of References.
1943. *Tullbergia bipartita* Gisin (853), p. 154, Syn. *T. affinis* C. B. Switzerland.
1944. *Mesaphorura bipartita* Bonet (215) p. 51, Mexico.
1944. *Tullbergia bipartita* Gisin (854) p. 41, Synonymy.
1948. *Metaphorura börneri* Denis (675) p. 13, Tax. HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1948. *Tullbergia bagnalli* Denis (675) p. 14, Synonymy.
1948. *Tullbergia bipartita* Denis (675) p. 11, figs. 19–24.
1948. *Tullbergia bipartita* Franz & Beier (821) p. 450, Ecology, Austria.
1950. *Tullbergia bipartita* Del. Deb. (570) p. 143, France.
1953. *Tullbergia bipartita* Cassagnau (415) p. 66, France.
1954. *Metaphorura bipartita* Stach (1891) pp. 206, 210, Pl. XXVII.
1955. *Tullbergia bipartita* Cassagnau & Del. Deb. (428) p. 367, fig. 1, Lebanon.
1955. *Metaphorura affinis* Stach (1893) p. 61, figs. 128 and 129, Europe.
1955. *Metaphorura bipartita* Stach (1893) p. 61, figs. 130-134, Europe.
1956. *Metaphorura bipartita* Christiansen (443) p. 132, Lebanon.
1958. *Tullbergia bipartita* Murphy (1476) p. 524, Algeria.
1959. *Metaphorura bipartita* Da Gama (2266), p. 14, Portugal.
1959. *Metaphorura bipartita* Stach (1896) p. 9, Poland.

Genus: NEONAPHORURA Bagnall, 1935 (112) p. 240.
= *Bachytullbergia* Wray, 1958 (2212) p. 8.

Type species fixed: *N. duboscqui* (Denis), by Bagnall, 1935 (112) p. 241.

Neonaphorura duboscqui (Denis) 1932

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1932. *Tullbergia duboscqui* Denis (641) p. 366, fig. iv, 1–10, France.
1935. *Neonaphorura duboscqui* Bagnall (112) p. 240, type species *gen. nov.*
1935. *Neonaphorura duboscqui* Bagnall (114) p. 169, figs. 4–5, England.
1936. *Neonaphorura duboscqui* Bagnall (115) p. 38, Britain.
1936. *Neonaphorura anglicanus*† Bagnall (115) pp. 34, 38, Britain.
TYPE and PARATYPES: Brit. Mus. Nat. Hist., London.
1943. *Tullbergia* (*Neonaphorura*) *dubosqui* Gisin (853) p. 156, Switzerland.
1944. *Tullbergia* (*Neonaphorura*) *dubosqui* Gisin (855) p. 20, Synonymy.
1948. *Tullbergia dubosqui* Gisin (867) p. 81, Switzerland.
1957. *Tullbergia dubosqi* Haarlon (2281) p. 16, habitat Denmark.
1960. *Tullbergia duboscqui* Gisin (2271) p. 157, fig. 300, Europe.

Neonaphorura duboscqui adulta Gisin, 1944

1944. *Tullbergia* (*Neonaphorura*) *duboscqui adulta* Gisin (855) p. 19, fig. 16, Switzerland.
1956. *Tullbergia duboscqui adulta* von Torne (1993) p. 663. Austria.
1958. *Tullbergia duboscqui adulta* Bockemuhl (193) p. 137, Spitzbergen.

Neonaphorura howdeni (Wray) 1958, nov. comb.

TYPE: Insect. Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina, U.S.A.
1958. *Bachytullbergia howdeni* Wray (2212) p. 8, fig. 2, Tennessee.

Genus: MESAPHORURA Börner, 1901 (232) p. 2.

Type species fixed: *M. krausbaueri* Börner, by Bagnall, 1935 (112) p. 241.

Mesaphorura clavata (Mills) 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois, U.S.A.
1934. *Tullbergia clavata* Mills (1417) p. 38, figs. 82–85, Iowa.
1946. *Tullbergia clavata* Pearse (1575) p. 139, Ecology.
1947. *Mesaphorura clavata* Bagnall (124) p. 444, U.S.A.
1951. *Tullbergia clavata* Maynard (1393) p. 77, Pl. IX, figs. 142–145, New York.
1954. *Mesaphorura clavata* Bellinger (174) p. 17, Connecticut.
1956. *Tullbergia clavata* Wray and Knowlton (2214) p. 2, Idaho.

Mesaphorura collis (Bacon) 1914

TYPE: Pomona Coll. ? Calif., U.S.A.
1914. *Tullbergia collis* Bacon (93) p. 84, figs. 1–3, California.
1914. *Tullbergia collis* Bacon (94) p. 172, California.
1917. *Tullbergia collis* Folsom (788) p. 652, figs. 11, 95, 99, 101, California.
1933. *Tullbergia collis* Mills and Rolfes (1431) p. 79, Washington.
1934. *Tullbergia collis* Mills (1417) p. 36, Iowa.
1942. *Tullbergia collis* Scott (1796) p. 178, West U.S.A.
1943. *Tullbergia collis* Denis (670) p. 41. List of References.
1950. *Tullbergia collis* Wray (2203) p. 91, Utah.
1952. *Tullbergia collis* Hammer (971) p. 413, Greenland.
1953. *Tullbergia collis* Hammer (972) p. 46, N. Canada, Alaska.
1954. *Mesaphorura collis* Bellinger (174) p. 17, Connecticut.
1956. *Tullbergia collis* Wray and Knowlton (2214) p. 2, Idaho.
1959. *Tullbergia collis* Wilkey (2350) p. 223, California.

Mesaphorura foveata Bonet, 1944

1944. *Mesaphorura foveata* Bonet (215) p. 66, figs. 19–21, Mexico.

Mesaphorura granulata* (Mills), 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois, U.S.A.

† I have examined Bagnall's type material, comprising seven specimens (two from Sewerby and five from Tor Bay), and I am satisfied that these are identical with Denis' species *duboscqui* which, incidentally, was the species under which Bagnall identified his specimens in the first place.

* The structure of the sensory organ of Ant. III as described by Mills requires that this species be moved to the genus *Mesaphorura*.

1934. *Tullbergia granulata* Mills (1417) p. 37, Iowa.
1942. *Tullbergia granulata* Mills (1423) p. 4, Nth. Carolina.
1952. *Tullbergia granulata* Cassagnau (428) p. 305, fig. 1, France.
1953. *Tullbergia granulata* Hammer (972) p. 46, Nth. Canada.
1954. *Mesaphorura granulata* Bellinger (174) p. 17, Connecticut.
1956. *Tullbergia granulata* Wray and Knowlton (2214) p. 2, Idaho.

Mesaphorura incisa Bonet, 1944

1944. *Mesaphorura incisa* Bonet (215) p. 58, figs. 5–11, Mexico.

Mesaphorura kilimanjarica Del. Deb., 1953

COTYPES: Brit. Mus. Nat. Hist., London.
1953. *Mesaphorura kilimanjarica* Del. Deb. (585) p. 818, figs. 1 a–h. Kilimanjaro.
1954. *Mesaphorura kilimanjarica* Salt (1723) p. 418, Ecology, Kilimanjaro.
1959. *Mesaphorura kilimanjarica* Paclt (2316) p. 38, Sth. Africa.

Mesaphorura knowltoni (Wray) 1950, nov. comb.

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina, U.S.A.
1950. *Tullbergia* (*Mesaphorura*) *knowltoni* Wray (2201) p. 97, figs. 1–9, Utah.
1956. *Tullbergia knowltoni* Wray and Knowlton (2214) p. 2, Idaho.

Mesaphorura krausbaueri Börner, 1901

LECTOTYPE: Brit. Mus. Nat. Hist., London.
1901. *Mesaphorura krausbaueri* Börner (232) p. 2, Europe.
1901. *Stenaphorura krausbaueri* Börner (234) p. 24, figs. 10–11, Pl. I, fig. 1, Pl. II, figs. 2, 3, Germany.
1902. *Stenaphorura krausbaueri* Börner (235) pp. 96, 104, fig. 4, Germany.
1902. *Tullbergia krausbaueri* Börner (238) p. 127, Europe.
1904. *Tullbergia krausbaueri* Axelson (79) p. 68, Norway.
1905. *Tullbergia krausbaueri* Axelson (81) p. 28, Tvärminne, Finland.
1906. *Tullbergia krausbaueri* Axelson (82) p. 10, Russia.
1906. *Tullbergia krausbaueri* Wahlgren (2080) p. 249, fig. 19, Sweden.
1907. *Tullbergia krausbaueri* Axelson (83) p. 129, Finland.
1910. *Tullbergia krausbaueri* Collinge & Shoebotham (472) p. 103, England.
1911. *Tullbergia krausbaueri* Axelson (1291) p. 10, Norway.
1912. *Tullbergia krausbaueri* Axelson (1292) p. 93, Finland.
1914. *Tullbergia krausbaueri* Shoebotham (1820) p. 60, Ireland.
1917. *Tullbergia krausbaueri* Shoebotham (1823) p. 221, England.
1919. *Tullbergia krausbaueri* Brown (297) p. 64, England.
1920. *Tullbergia krausbaueri* Stach (1859) p. 155, Scandinavia, Finland, Estonia, Galicia, Hungary, Germany, England.
1922. *Tullbergia krausbaueri* Stach (1860) p. 10, figs. 7-8, Hungary.
1923. *Tullbergia krausbaueri* Brown (302) p. 262, England.
1924. *Tullbergia krausbaueri* Handschin (981) p. 107, Switzerland.
1926. *Tullbergia krausbaueri* Brown (307) p. 334, England.
1926. *Tullbergia krausbaueri* Handschin (995) p. 135, in caves, Europe.
1926. *Tullbergia krausbaueri* Womersley (2153) p. 218, S.W. England.
1928. *Tullbergia krausbaueri* Handschin (1003) p. 126, East Prussia.
1929. *Tullbergia krausbaueri* Bonet (200) p. 798, Spain.
1929. *Tullbergia krausbaueri* Handschin (1008) p. 51, Central and Nth. Europe.
1930. *Tullbergia krausbaueri* Stach (1869) p. 286, Europe, England.
1930. *Tullbergia krausbaueri* Womersley (2168) p. 173, Ireland.
1931. *Tullbergia krausbaueri* Bonet (205) p. 379, in caves, Switzerland.
1932. *Tullbergia krausbaueri* Durkop (706) p. 235, Germany.
1932. *Tullbergia iowensis* Mills (1416) p. 264, Iowa.
TYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois, U.S.A.
1933. *Tullbergia iowensis* Mills and Rolfes (1431) p. 79, Washington, D.C.
1933. *Tullbergia krausbaueri* Turk (2007) p. 93, Britain.
1934. *Tullbergia krausbaueri* Agrell (37) p. 221, Ecology, Sweden.
1934. *Tullbergia krausbaueri* Davies (522) p. 119, Wales.
1934. *Tullbergia krausbaueri* Durkop (707) p. 496, Scandinavia, Germany.
1934. *Tullbergia iowensis* Mills (1417) p. 37, Nth. America.
1934. *Tullbergia krausbaueri* Volz (2009) p. 171, Ecology.
1934. *Tullbergia krausbaueri* Womersley (2177) pp. 453, 468, Europe, Sth. Africa.
1935. *Mesaphorura krausbaueri* Bagnall (112) p. 236, England.
1935. *Mesaphorura krausbaueri* Womersley (2181) p. 212, Australia.
1936. *Paratullbergia macdougalli* Bagnall (115) p. 37, figs. 18–19, Britain.
1936. *Tullbergia krausbaueri* Stammer (1900) p, 211, in caves, Europe.
1936. *Tullbergia krausbaueri* Tarsia in Curia (1951), p. 22, Italy.
1936. *Tullbergia krausboueri* Womersley (2183) p. 320, New Zealand.
1937. *Mesaphorura iowensis* Bagnall (116) p. 150, Britain, Hungary, Poland, U.S.A.
1937. *Paratullbergia macdougalli* Bagnall (116) p. 150, Britain.
1937. *Tullbergia krausbaueri* Frenzel (828) p. 296, Ecology.
1937. *Tullbergia krausbaueri* Kseneman (1217) p. 469, Carpathians.
1938. *Tullbergia iowensis* Brimley (275) p. 15, Nth. Carolina.
1938. *Tullbergia krausbaueri* Hammer (968) p. 16, East Greenland.
1938. *Tullbergia krausbaueri* Kseneman (1219) p. 108, Czechoslovakia.
1938. *Tullbergia krausbaueri* Kseneman (1220) p. 11, Europe.
1938. *Tullbergia iowensis* Mills (1421) p. 15, North Carolina.
1938. *Tullbergia krausbaueri* Strebel (1917) p. 123, Ecology, Germany.
1939. *Mesaphorura iowensis* Bagnall (117) p. 23, Britain.

1939. *Paratullbergia macdougalli* Bagnall (120) p. 197, Britain.
1939. *Mesaphorura krausbaueri* Womersley (2190) p. 133, fig. 50-A, Australia.
1941. *Tullbergia krausbaueri* Agrell (46) p. 19, Swedish Lapland.
1941. *Mesaphorura krausbaueri* Salmon (1676) p. 311, figs. 137–138, New Zealand.
1942. *Tullbergia krausbaueri* Haarlon (954) p. 44, Greenland.
1942. *Tullbergia iowensis* Scott (1796) p. 178, Pacific Coast, U.S.A.
1943. *Tullbergia krausbaueri* Agrell (47) p. 125, Sweden.
1943. *Tullbergia krausbaueri* Denis (670) p. 32 = *T. iowensis*, Synonymy.
1943. *Tullbergia* (*Mesaphorura*) *krausbaueri* Gisin (853) p. 153, Switzerland.
1944. *Mesaphorura iowensis* Bonet (214) p. 17, figs. 1–3, Cuba.
1944. *Mesaphorura iowensis* Bonet (215) p. 55, Mexico.
1944. *Tullbergia krausbaueri* Hammer (969) p. 61, Greenland, Jan Mayen I., Lapland, Finland, Europe.
1944. *Tullbergia krausbaueri* Tuxen (2010) p. 143, Iceland.
1945. *Tullbergia krausbaueri* Agrell (50) p. 10, habitat Sweden.
1947. *Mesaphorura baconae* Bagnall (124) p. 443, Calif. TYPE: Brit. Mus. Nat. Hist., London.
1947. *Mesaphorura iowensis* Bagnall (124) p. 444, Britain, U.S.A.
1947. *Tullbergia krausbaueri* Gisin (866) p. 79, Switzerland.
1948. *Tullbergia krausbaueri* Gisin (867) p. 81, Switzerland.
1948. *Tullbergia macdougalli* Gisin (867) p. 83, Switzerland.
1948. *Mesaphorura krausbaueri* Salt (1724) p. 145, Ecology.
1948. *Tullbergia krausbaueri* Weis-Fogh (2109) p. 200, Tab. 8, Denmark.
1949. *Tullbergia krausbaueri* Schaller (1742) p. 268, Ecology, Germany.
1949. *Tullbergia krausbaueri* Strenzke (1922) p. 206, Ecology, Germany.
1950. *Tullbergia krausbaueri* Del. Deb. (570) p. 45, France.
1951. *Tullbergia krausbaueri* Gisin (877) p. 85, Switzerland.
1951. *Tullbergia krausbaueri* Praport (1610) p. 141, Poland.
1951. *Tullbergia krausbaueri* Schaller (1746) p. 463, Ecology, Germany.
1952. *Tullbergia krausbaueri* Haarlon (956) p. 425, Denmark.
1952. *Tullbergia krausbaueri* MacFadyen (1337) p. 94, Ecology of a Fen, England.
1952. *Tullbergia krausbaueri* Mihelcic (1406) p. 96, Ecology.
1953. *Tullbergia krausbaueri* Cassagnau (415) p. 66, France.
1953. *Mesaphorura iowensis* Del. Deb. (585) p. 818, Kilimanjaro.
1953. *Tullbergia krausbaueri* Del. Deb. (584) p. 300, France, Italy, Algeria.
1953. *Tullbergia krausbaueri* Del. Deb. (587) p. 492, Algeria.
1953. *Tullbergia krausbaueri* Gisin (885) p. 231, Jan Mayen I.
1953. *Tullbergia iowensis* Hammer (972) p. 45, North Canada.
1954. *Mesaphorura iowensis* Bellinger (174) p. 17, Connecticut.
1954. *Tullbergia krausbaueri* Del. Deb. (589) pp. 435, 451, France.
1954. *Tullbergia krausbaueri* MacFadyen (1339) p. 290, Jan Mayen I.
1954. *Mesaphorura iowensis* Salt (1723) p. 418, Ecology, Kilimanjaro.
1954. *Tullbergia iowensis* Stach (1891) p. 198, Synonymy.
1954. *Mesaphorura krausbaueri* Stach (1891) p. 198, Pl. XXVI, figs. 3-11, Poland.
1954. *Tullbergia krausbaueri* Strenzke (1925) p. 51, Germany, Finland
1955. *Tullbergia* (*Mesaphorura*) *krausbaueri* Goto (918) p. 31, British Isles.
1955. *Tullbergia krausbaueri* Goto (921) p. 267, Britain.
1955. *Tullbergia krausbaueri* Haarløn (958) p. 174, Ecology.
1955. *Tullbergia krausbaueri* Kühnelt (1223) p. 14, fig. 2, Ecology.
1955. *Tullbergia krausbaueri* Palissa (1545) p. 482, Ecology.
1955. *Mesaphorura krausbaueri* Stach (1893) p. 61, figs. 124–127, Europe.
1955. *Tullbergia krausbaueri* Strenzke (1926) p. 30, Nth. Europe, Algeria.
1956. *Tullbergia* (*Mesaphorura*) *Krausbaueri* Bockemuhl (193) p. 136, Spitzbergen.
1956. *Tullbergia krausbaueri* Gisin (895) p. 12, Geneva.
1956. *Tullbergia krausbaueri* Gisin (896) p. 8.
1956. *Tullbergia krausbaueri* Goto (926) p. 7, Outer Hebrides.
1956. *Tullbergia krausbaueri* Loksa (1310) p. 380, Ecology.
1956. *Tullbergia iowensis* Wray & Knowlton (2214) p. 2, Idaho.
1957. *Tullbergia krausbaueri* Bödvarsson (2252) p. 17, Iceland.
1957. *Tullbergia krausbaueri* Gisin (898) p. 110, Switzerland.
1957. *Tullbergia krausbaueri* Gunhold (2280) p. 474, Ecology.
1957. *Tullbergia krausbaueri* Haarløn (2281) p. 16, habitat Denmark.
1957. *Tullbergia krausbaueri* Kühnelt (1224) p. 87, Ecology.
1957. *Tullbergia krausbaueri* Strebel (1920) p. 470, Europe.
1958. *T.* (*Tullbergia*) *krausbaueri* Grindbergs (2277) p. 194, Latvia.
1958. *Tullbergia krausbaueri* Holler-Land (2283) p. 110, Ecology.
1958. *Mesaphorura krausbaueri* Salmon (1718) p. 707, New Zealand.
1958. *Tullbergia krausbaueri* von Torne (1993) p. 664, Austria.
1959. *Mesaphorura krausbaueri* Da Gama (494), p. 20, Madeira.
1959. *Mesaphorura krausbaueri* Da Gama (2266) p. 14, Portugal.
1959. *Tullbergia krausbaueri* Franz & Gunhold (2369) p. 50, Ecology.
1959. *Tullbergia krausbaueri* Haybach (2375) Tab. VIII, Ecology.
1959. *Tullbergia krausbaueri* Holler-Land (2284) p. 426, Ecology, Germany.
1959. *Tullbergia krausbaueri* Lawrence (2294) p. 118, England.

1959. *Tullbergia krausbaueri* Muller (2309) p. 244, Ecology.
1959. *Tullbergia krausbaueri* Paclt (2316) p. 38, South Africa.
1959. *Tullbergia (Mesaphorura) krausbaueri* Paclt (2317) p. 339, Europe.
1959. *Tullbergia krausbaueri* Palissa (2319) p. 278, Ecology.
1959. *Tullbergia krausbaueri* Poole (1604) p. 75, Food of Collembola.
1959. *Mesaphorura krausbaueri* Stach (1896) p. 8, Poland.
1959. *Tullbergia (T.) krausbaueri* Steiner (2343) p. 459, Spain.
1959. *Tullbergia krausbaueri* Wilkey (2350) p. 223, California.
1960. *Tullbergia krausbaueri* Bödvarsson (2412) p. 174, Färoes.
1960. *Tullbergia krausbaueri* Gisin (2271) p. 152, fig. 289, Europe, North America, Greenland.
1960. *Tullbergia macdougalli* Gisin (2271) p. 153, Britain, Switzerland.
1960. *T. (Tullbergia) krausbaueri* Grindbergs (2373) p. 36, U.S.S.R.
1960. *Tullbergia krausbaueri* Milne (2384) p. 134, on life history.
1960. *Tullbergia krausbaueri* Palissa (2319) p. 363, Systematics, Ecology.

Mesaphorura krausbaueri atypica (Denis) 1924 nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1924. *Tullbergia krausbaueri atypica* Denis (616) p. 225, figs. 37–38, France.
1925. *Tullbergia krausbaueri atypica* Denis (618) p. 584, France.

Mesaphorura krausbaueri bonariensis Rapoport, 1959

1959. *Mesaphorura krausbaueri bonariensis* Rapoport (2323) p. 6, figs. 1, 43–55, Argentina.

Mesaphorura krausbaueri inermis (Axelson) 1905, nov. comb.

1905. *Tullbergia krausbaueri inermis* Axelson (80) p. 790, Finland.
1907. *Tullbergia krausbaueri inermis* Axelson (83) p. 129.
1912. *Tullbergia krausbaueri inermis* Axelson (1292) p. 94, Finland.

Mesaphorura mexicana (Handschin), 1928

1928. *Tullbergia collis mexicana* Handschin (1002) p. 538, figs. 12–16, Mexico.
1944. *Mesaphorura mexicana* Bonet (215) p. 61, figs. 12–14, Mexico.

Mesaphorura minutissima Salmon, 1944

TYPE and PARATYPES: Dominion Mus., Wellington, N.Z.
1944. *Mesaphorura minutissima* Salmon (1683) p. 141, Pl. 57, figs. 65–69, New Zealand.
1948. *Mesaphorura minutissima* Salmon (1687) p. 291, Three Kings Is., New Zealand.

Mesaphorura salti Delamare Deboutteville, 1953

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1953. *Mesaphorura salti* Del. Deb. (585) p. 820, figs. 2 a-h, Kilimanjaro.
1954. *Mesaphorura salti* Salt (1723) p. 418, Kilimanjaro.

Mesaphorura silvicola (Folsom), 1932

TYPE: Illinois State Nat. His. Surv., Urbana, U.S.A.
1932. *Tullbergia silvicola* Folsom (801) p. 57, Pl. 4, figs. 37–41, Hawaii.
1948. *Tullbergia silvicola* Zimmerman (2237) p. 51, figs. 17 a-e, Hawaii.
1954. *Mesaphorura silvicola* Stach (1891) p. 197, nov. comb.

Mesaphorura thalassophila Bagnall, 1937

TYPE: Brit. Mus. Nat. Hist., London.
1937. *Mesaphorura thalassophila* Bagnall (116) p. 150, Scotland.

Mesaphorura tuberosa Bonet, 1944

1944. *Mesaphorura tuberosa* Bonet (215) p. 64, figs. 16–18, Mexico.

Genus: STENAPHORURA Absolon, 1900 (8) p. 411.

Type species fixed: *S. japygiformis* Absolon, by Bagnall, 1935 (112) p. 241 (monotype).

Stenaphorura japygiformis Absolon, 1900

1900. *Stenaphorura japygiformis* Absolon (8) p. 412, figs. 9–12, Czechoslovakia.
1901. *Stenaphorura japygiformis* Absolon (11) p. 38, Czechoslovakia.
1901. ***Stenaphorura japygiformis*** **Absolon (12) p. 102, figs. 12-15, Czechoslovakia.**
1901. ***Stenaphorura japygiformis*** **Absolon (13) pp. 104-109, Pl. 1, figs. 1-9, Czechoslovakia.**
1931. *Tullbergia japygiformis* Bonet (205) p. 379, in caves, Czechoslovakia.
1935. ***Stenaphorura iapygiformis*** **Bagnall (114) p. 171,** England.
1935. *Stenaphorura lubbocki* Bagnall (114) p. 173, figs. 10–11, Britain.
1936. *Stenaphorura lubbocki* Bagnall (115) p. 40, Dumbarton and Argyll, Britain.
1937. *Tullbergia japygiformis* Frenzel (828) p. 316, Ecology.
1937. *Stenaphorura lubbocki* Bagnall (116) p. 149, Britain.
1939. *Stenaphorura lubbocki* Bagnall (120) p. 197, Britain.
1960. *Tullbergia japygidiformis* Gisin (2271) p. 155, Czechoslovakia.

Stenaphorura parisii (Denis), 1943

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1943. *Tullbergia parisi* Denis (670) p. 29, figs. 1–4, France.
1954. *Stenaphorura parisii* Stach (1891) p. 187, nov. comb.
1960. *Tullbergia parisi* Gisin (2271) p. 156, France.

Stenaphorura quadrispina Börner, 1901

1901. *Stenaphorura quadrispina* Börner (229) p. 699, figs. 3 and 4, Germany.
1903. *Tullbergia quadrispina* (C.B.) Börner (238) p. 128, Europe.
1906. *Tullbergia quadrispina* Axelson (82), p. 10, figs. 1–4, Finland.
1910. *Tullbergia quadrispina* Collinge (464) p. 7, figs. 1 and 2, England.
1912. *Tullbergia quadrispina* Axelson (1292) p. 96, Pl. VIII, figs. 12, 13, Finland.
1919. *Tullbergia quadrispina* Brown (297) p. 64, England.
1922. *Tullbergia quadrispina* Morris (1456) p. 288, Ecology.
1922. *Tullbergia quadrispina* Stach (1860) p. 13, Pl. I, fig. 6; Pl. III, fig. 1, Hungary.
1924. *Tullbergia quadrispina* Thompson (1970) p. 361, Ecology.
1925. *Tullbergia quadrispinosa* Denis (619) p. 145, France.

1926. *Tullbergia quadrispina* Womersley (2153) p. 218, S.W. England.
1929. *Tullbergia quadrispina* Edwards (715) p. 311, Ecology.
1929. *Tullbergia quadrispina* Handschin (1008) p. 51, fig. 82, Middle Europe.
1929. *Tullbergia quadrispinosa* Stach (1869) p. 286, Poland.
1930. *Tullbergia quadrispina* Stach (1869) p. 286, Europe.
1930. *Tullbergia quadrispina* Womersley (2168) p. 174, Ireland.
1932. *Tullbergia quadrispina* Durkop (706) p. 234, Germany.
1933. *Tullbergia quadrispina* Turk (2007) p. 93, Britain.
1934. *Tullbergia quadrispina* Womersley (2180) p. 246, West Australia.
1935. *Stenaphorura axelsoni* Bagnall (114) p. 172, Britain.
1935. *Stenaphorura denisi* Bagnall (114) p. 172, figs. 6–9, Britain.
TYPE: Brit. Mus. Nat. Hist., London.
1935. *Stenaphorura lubbocki* Bagnall (115) p. 173, figs. 10 and 11, England, Scotland.
TYPE: Brit. Mus. Nat. Hist., London.
1935. *Stenaphorura quadrispina* Bagnall (114) p. 171, Britain.
1935. *Tullbergia quadrispina* Ford (809) p. 198, Ecology, Britain.
1935. *Tullbergia quadrispina* Kseneman (1213) p. 11, Czechoslovakia.
1936. *Stenaphorura absoloni* Bagnall (115) p. 40, Scotland.
TYPE: Brit. Mus. Nat. Hist., London.
1936. *Stenaphorura axelsoni* Bagnall (115) p. 39, Scotland.
1936. *Stenaphorura lubbocki* Bagnall (115) p. 40, Britain.
1936. *Tullbergia quadrispina* Bagnall (115) p. 39, Scotland.
1936. *Tullbergia quadrispina* Tarsia in Curia (1951) p. 21, Italy.
1937. *Stenaphorura absoloni* Bagnall (116) p. 149, Britain.
1937. *Stenaphorura axelsoni* Bagnall (116) p. 148, Britain.
1937. *Stenaphorura denisi* Bagnall (116) p. 149, Britain.
1937. *Stenaphorura quadrispina* Bagnall (116) p. 149, Britain.
1937. *Tullbergia quadrispina* Drenowski (695) p. 2, Bulgaria.
1937. *Tullbergia quadrispina* Frenzel (828) p. 296, Ecology.
1939. *Tullbergia quadrispina* Agrell (44) p. 161, Sweden, Finland, Middle Europe.
1939. *Stenaphorura absoloni* Bagnall (120) p. 197, Britain.
1939. *Stenaphorura axelsoni* Bagnall (120) p. 196, Britain.
1939. *Stenaphorura denisi* Bagnall (120) p. 197, Britain.
1939. *Stenaphorura axelsoni* Womersley (2190) p. 131, fig. 50, West Australia.
1943. *Tullbergia quadrispina* Agrell (47) p. 125, Sweden.
1943. *Tullbergia quadrispina* Denis (670) p. 43, Reference List.
1943. *Tullbergia* (*Stenaphorura*) *denisi* Gisin (853) p. 155, Switzerland.
1943. *Tullbergia* (*Stenaphorura*) *quadrispina* Gisin (853) p. 155, Switzerland.
1945. ***Tullbergia quadrispina*** **Agrell (50) p. 10, habitat,** Sweden.
1947. *Tullbergia quadrispina* Gisin (866) p. 79, Switzerland.
1948. *Tullbergia quadrispina* Gisin (867) p. 81, Switzerland.
1948. *Stenaphorura denisi* Salt (1724) p. 145, Ecology.
1949. *Tullbergia quadrispina* Schaller (1742), p. 268, Ecology, Germany.
1949. *Tullbergia quadrispina* Strenzke (1922) p. 206, Ecology, Germany.
1951. *Tullbergia quadrispina* Gisin (877) p. 85, Switzerland.
1951. *Tullbergia quadrispina* Stach (1889) p. 54, fig. 24.
1952. *Tullbergia quadrispina* Baudissin (152) p. 54, Ecology.
1952. *Tullbergia denisi* MacFadyen (1337) p. 94, Ecology, England.
1952. *Tullbergia quadrispina* Mihelcic (1406) p. 96, Ecology.
1954. *Stenaphorura quadrispina* Stach (1891) p. 188, Pl. XXV.
1955. *Tullbergia quadrispina* Murphy (1474) p. 158, Ecology.
1955. *Stenaphorura quadrispina* Stach (1893) p. 59, figs. 121–123, Europe.
1956. *Tullbergia* (*Stenaphorura*) *quadrispina* Bockemuhl (193) p. 137, Spitzbergen.
1956. *Tullbergia* (*Stenaphorura*) *denisi* Bockemuhl (193) p. 137, Spitzbergen.
1956. *T.* (*Stenaphorura*) *quadrispina* Paclt (1540) p. 355.
1956. *Tullbergia quadrispina* Paclt (1541) p. 35, fig. 46.
1956. *Tullbergia quadrispina* von Torne (1990) p. 500, Europe.
1957. *Tullbergia denisi* Gisin (899) p. 457.
1957. *Tullbergia quadrispina* Gisin (899) p. 459.
1957. ***Tullbergia quadrispina*** **Mayer (1390) p. 503,** Biology.
1958. *T.* (*Tullbergia*) *quadrispina* Grindbergs (2277) p. 194, Latvia.
1958. *Tullbergia quadrispina* Holler-Land (2283) p. 110, Ecology.
1958. *Tullbergia quadrispina* Schaller (2330) p. 202, Physiology.
1958. *Tullbergia quadrispina* von Torne (1993) p. 664, Austria
1959. *Stenaphorura quadrispina* Da Gama (2266) p. 156, Portugal.
1959. *Tullbergia quadrispina* Franz & Gunhold (2369) p. 50, Communities.
1959. *Tullbergia quadrispina* Muller (2309) p. 244, Ecology.
1959. *T.* (*Stenaphorura*) *quadrispina* Paclt (2317) p. 339, Europe.
1959. ***Stenaphorura quadrispina*** **Stach (1896) p. 8,** Poland.
1960. *Tullbergia denisi* Gisin (2271) p. 156, figs. 298, 299, Britain, Germany, Austria, Switzerland.
1960. *Tullbergia quadrispina* Gisin (2271) p. 156, Scotland, Finland, Lebanon.
1960. *Tullbergia* (*Stenaphorura*) *quadrispina* Grindbergs (2373) p. 36, U.S.S.R.

Stenaphorura quadrispina taurica Lebedinsky, 1904, **nov. comb.**

1904. *Aphorura 4-spina taurica* Lebedinsky (1257) p. 75, Russia.
1960. *Aphorura 4-spina taurica* Grindbergs (2373) p. 64, U.S.S.R.

Stenaphorura triacantha Börner, 1901

1901. *Stenaphorura triacantha* Börner (230) p. 424, figs. 3–5, Sicily.
1960. *Stenaphorura triacantha* Gisin (2271) p. 153, Sicily.

Sub-family: TETRODONTOPHORINAE Stach, 1954 (1891) p. 6.

Genus: TETRODONTOPHORA Reuter, 1882 (1633) p. 173 and 1892 (1642) p. 184
= *Homaloproctus** Börner, 1909 (246) pp. 101, 105

Type species fixed: *T. bielanensis* (Waga) Börner, 1909 (246) p. 101; *Achorutes bielanensis* Waga 1842 (2071) p. 264.

Tetrodontophora bielanensis (Waga), 1842

1842. *Achorutes bielanensis* Waga (2071) p. 264, Pl. II, figs. 5–10, Poland.
1844. *Achorutes bielanensis* Gervais (841) p. 438, Warsaw.
1845. *Achorutes bielanensis* Bourlet (266) p. 67, Europe.
1847. *Achorutes bielanensis* Nicolet (1496) p. 378, Poland.
1858. *Achorutes viaticus* Kolenati (1190) p. 131, Taxonomy.
1882. *Achorutes alpinus* Tomosvary (1983) p. 126, Pl. I, figs. 1–5, Carpathians.
1882. *Tetrodontophora gigas* Reuter (1633) p. 184, Carpathians.
1891. *Tetrodontophora gigas* Uzel (2050) p. 72, Czechoslovakia.
1895. *Tetrodontophora gigas* Dalla Torre (498) p. 15, Europe.
1901. *Tetrodontophora bielanensis* Absolon (14) p. 3, East Europe.
1901. *Tetrodontophora gigas* Absolon (15) p. 577, figs. 2 and 3, Europe.
1901. *Tetropontophora bielanensis* Börner (235) p. 94, figs. 1, 2, Europe.
1908. *Tetrodontophorao bielanensis* Börner (245) Pl. VI, fig. 7; Pl. VII, figs. 12-13.
1912. *Tetrodontophora bielanensis* Schille (1756) p. 7, Galicia.
1920. *Tetrodontophora bielanensis* Stach (1859) p. 145, Poland, Hungary.
1922. *Tetrodontophora gigas* Latzel (1250) p. 56, Central Europe.
1929. *Tetrodontophora bielanensis* Handschin (1008) p. 43, Europe.
1930. *Tetrodontophora bielanensis* Stach (1869) p. 283, Middle and South Europe.
1931. *Tetrodontophora bielanensis* Bonet (205) p. 252, Spain.
1931. *Tetrodontophora bielanensis* Denis (639) p. 208, List of References, Germany.
1933. *Tetrodontophora bielanensis* Schubert (1787) p. 184, Ecology.
1933. *Tetrodontophora bielanensis* Schubert (1789) p. 1, Germany.
1933. *Tetrodontophora bielanensis* Stammer (1898) p. 319, Germany.
1935. *Tetrodontophora bielanensis* Pax & Maschke (1573) p. 25, Europe.
1935. *Tetrodontophora bielanensis* Schubert (1790) p. 94, Europe.
1935. *Tetrodontophora bielanensis* Schubert (1791) pp. 198, 366, Germany, Poland, Czechoslovakia.
1936. *Tetrodontophora bielensis* Pax & Maschke (1574), p. 139, Europe.
1937. *Tetrodontophora bielanensis* Frenzel (828) p. 296, fig. 120, Ecology.
1937. *Tetrodontophora bielanensis* Kseneman (1217) p. 468, Carpathians.
1937. *Tetrodontophora bielanensis* Schubert (1792) p. 125, Central Europe.
1938. *Tetrodontophora bielanensis* Kseneman (1219) p. 108.
1938. *Tetrodontophora bielanensis* Szent-Ivany (1944) p. 91, East Europe.
1940. *Tetrodontophora bielanensis* Szent-Ivany (1945), p. 119, Hungary.
1941. *Tetrodontophora bielanensis* Szent-Ivany (1947) p. 21, Hungary.
1942. *Tetrodontophora bielanensis* Tòth (1997) p. 398, figs. 4, 8, 9, 12, 13, 19, 20, 23, 24, 25, 27, 30-35, Anatomy.
1943. *Tetrodontophora bielanensis* Strebel (1919) p. 117, Germany.
1951. *Tetrodontophora bielanensis* Paclt (1536) p. 164, Czechoslovakia.
1951. *Tetrodontophora bielanensis* Praport (1610) p. 141, Poland.
1951. *Tetrodontophora bielanensis* Stach (1889) p. 57, figs. 15, 23, 28, Poland, Moravia, Yugoslavia.
1953. *Tetrodontophora bielanensis* Uchida (2029) p. 3, fig. 1, Systematics.
1954. *Tetrodontophora bielanensis* Stach (1891) p. 11, Pl. I, Description.
1955. *Tetradontophora bielanensis* Stach (1893) p. 42, figs. 63-66, Poland.
1956. *Tetrodontophora bielanensis* Paclt (1541) p. 11, fig. 46, Biology.
1957. *Tetrodontophora bielanensis* Paclt (1543) p. 2, Europe.
1958. *Tetrodontophora bielanensis* Jura (2289) p. 85, Morphology, Cytology.
1958. *Tetrodontophora bielanensis* Nosek (1503) p. 357, Czechoslovakia.
1959. *Tetrodontophora bielanensis* Palissa (2320) p. 11, Germany.
1959. *Tetrodontophora bielanensis* Salmon (1719) p. 131, figs. 7-10, Systematics.
1959. *Tetrodontophora bielanensis* Schille (2394) p. 127, Poland.
1959. *Tetrodontophora bielanensis* Stach (1896) p. 5, Poland.
1960. *Tetrodontophora bielanensis* Gisin (2271) p. 109, fig. 23, Europe.
1960. *Tetrodontophora bielanensis* Grindbergs (2373) p. 33, U.S.S.R.

Tetrodontophora gigas Reuter, 1882

1842. *Achorutes bielanensis* Waga (2071) p. 264, Warsaw.
1856. *Achorutes viaticus* Kolenati (1190) p. ?, Classification.
1882. *Tetrodontophora gigas* Reuter (1633) p. 173, Finland.

* This genus was first synonymised with *Tetrodontophora* in my paper (1719) 1959, p. 129, but unfortunately I overlooked explaining this action. I am satisfied on the evidence of the sensory structures and of the legs and furcula that these two genera are identical. The differences in body form and segmental sutures are, I consider, only characters of specific rank.

1882. *Achorutes alpinus* Tomosvary (1983) p. 119, Carpathians.
1884. *Tetrodontophora gigas* Bertkau (182) p. 235, Europe.
1891. *Tetrodontophora gigas* Stummer-Traunfels (1935) p. 235, Morphology.
1891. *Tetrodontophora gigas* Uzel (2050) p. 72, Bohemia.
1896. *Tetrodontophora gigas* Heymons (1054) p. 1389, Europe.
1897. *Tetrodontophora gigas* Heymons (1055) p. 117, Anatomy.
1900. *Tetrodontophora gigas* Vellay (2056) p. 21, Hungary.
1901. *Tetrodontophora gigas* Absolon (11) p. 38, Czechoslovakia.
1901. *Tetrodontophora gigas* Absolon (12) p. 104, Systematics.
1901. *Tetrodontophora gigas* Absolon (14) p. 3, Eastern and Central Europe.
1901. *Tetrodontophora gigas* Absolon (15) p. 577, figs. 2, 3, Description.
1904. *Tetrodontophora gigas* Börner (241) p. 512, Systematics.
1908. *Tetrodontophora gigas* Schille (1755) p. 7, Poland.
1922. *Tetrodontophora gigas* Latzel (1250) p. 56, Austrian Alps.
1924. *Tetrodontophora gigas* Koncek (1192) p. 338, Physiology.
1926. *Tetrodontophora gigas* Handschin (988) p. 52, fig. 34, Biology.
1937. *Tetrodontophorus gigas* Hesse (1052) p. 531, Ecology.
1949. *Tetrodontophora gigas* Carpentier (406) p. 45, fig. 3, Morphology.

Tetrodontophora sauteri (Börner), 1909

1909. *Homaloproctus sauteri* Börner (246) p. 105, Japan.
1938. *Homaloproctus sauteri* Uchida (2015) p. 7, Japan.
1953. *Homaloproctus sauteri* Uchida (2029) p. 56, fig. 3, Systematics—Japan.
1954. *Homaloproctus sauteri* Yosii (2231) p. 800, Japan.
1957. *Homaloproctus sauteri* Uchida (2041) p. 22, Japan.
1958. *Homaloproctus sauteri* Yosii (2236) p. 685, Pl. LXV, figs. 21–29; Pl. LXVI, figs. 30–33; Japan.
1959. *Homaloproctus sauteri* Salmon (1719) p. 132, figs. 1–6, Systematics.

Genus: LOPHOGNATHELLA Börner, 1908 (245), p. 67.
Type species fixed: *L. choreutes* Börner, 1909 (246) p. 101; *L. choreutes* Börner, 1908 (245) p. 67.

Lophognathella choreutes Börner, 1908

1908. *Lophognathella choreutes* Börner (245) p. 67, Pl. VII, fig. 16, South Africa.
1932. *Lophognathella choreutes* Kinoshita (1178) p. 2120, Japan.
1938. *Lophognathella choreutes* Uchida (2015) p. 7, Japan.
1950. *Lophognathella choreutes* Kinoshita and Uchida (1179) p. 13 and figs., Japan.
1953. *Lophognathella choreutes* Uchida (2029) p. 56, fig. 2, Japan.
1954. *Lophognathella choreutes* Yosii (2231) p. 800, Japan.
1957. *Lophognathella choreutes* Uchida (2041) p. 22, Japan.
1958. *Lophognathella choreutes* Yosii (2236) p. 688, Text-fig, 1; Pl. LXVI, figs. 34-42, Japan.

Subfamily: ONYCHIURINAE Börner, 1906 (243) p. 159

Genus: KALAPHORURA* Absolon, 1901 (19) p. 389.
Type species fixed: *K. burmeisteri* (Lubbock).

Kalaphorura bearei (Bagnall) 1937

TYPE: Brit. Mus. Nat. Hist., London.
1937. *Onychiurus bearei* Bagnall (116) p. 148, Scotland.
1959. *Kalaphorura bearei* Salmon (1719) p. 151, figs. 72–77, Ad. description.

Kalaphorura burmeisteri (Lubbock) 1873

1873. *Lipura burmeisteri* Lubbock (1318) pp. 57, 190, Pl. XLIV, Pl. LXV, figs, 11, 16, England.
1891. *Lipura tuberculata* Moniez (1446) p. 66, figs. 1–3, France.
1891. *Lipura tuberculata* Moniez (1447) p. 71, France.
1891. *Lipura burmeisteri* Parfitt (1550), p. 348, England.
1900. *Aphorura paradoxa* Schaeffer (1739) p. 246, Germany.
1901. *Aphorura paradoxa* Absolon (18) p. 375, figs. 1–3, Central Europe.
1901. *Aphorura tuberculata* Börner (231) p. 335, fig. 3, Germany.
1901. *Aphorura tuberculata* Börner (234) p. 20, Germany.
1901. *Onychiurus tuberculatus* Börner (235) p. 97, fig. 6, Systematics.
1901. *Aphorura tuberculata* Krausbauer (1204) p. 95, Germany.
1902. *Aphorura tuberculata* Krausbauer (1205) p. 284, Germany.
1909. *Protaphorura* (*Kalaphorura*) *tuberculata* Börner (246) p. 99, Japan.
1910. *Onychiurus burmeisteri* Collinge (464) p. 7, England.
1910. *Onychiurus burmeisteri* Collinge & Shoebotham (472) pp. 95, 103, England.
1910. *Lipura burmeisteri* Theobald (1964) p. 184, Gen. economics.
1919. *Onychiurus tuberculatus* Handschin (977) p. 72, Switzerland.
1920. *Onychiurus tuberculatus* Stach (1859) p. 148, figs. 23–25, France, Germany, Finland, Scandinavia, Poland, South Europe.
1921. *Kalaphorura burmeisteri* Handschin (979) p. 27, figs. 60–64, England, France, Germany, Switzerland.
1922. *Kalaphorura burmeisteri* Denis (609) p. 111, Ile de Yeu, France.
1923. *Onychiurus burmeisteri* Womersley (2147) p. 31, S.W. England.
1924. *Kalaphorura burmeisteri* Denis (614) p. 258, France.
1924. *Kalaphorura burmeisteri* Handschin (981) p. 105, Switzerland.
1924. *Onychiurus burmeisteri* Thompson (1970) p. 349, Ecology.
1925. *Onychiurus tuberculatus* Handlirsch (976) p. 610, List of Species.

* The genus was erected in 1901 for the species ***A. tuberculata*** and *A. burmeisteri.* Börner in 1909 designated *O. tuberculatus* type species, while Stach, 1951 (1891) p. 117, suggests that *K. tuberculata* and ***K. burmeisteri*** are identical and that ***K. paradoxa*** Schaeffer is also a synonym. On the basis of these contentions the type species becomes ***K. burmeisteri*** by application of the Rule of Priority.

1925. *Kalaphorura burmeisteri* Handschin (995) p. 134, Poland, England, Germany.
1926. *Onychiurus burmeisteri* Brown (307) p. 333, England.
1926. *Kalaphorura burmeisteri* Handschin (988) p. 12, fig. 5, Biology.
1926. *Kalaphorura burmeisteri* Handschin (995) p. 134, Poland, England, Germany.
1926. *Kalaphorura burmeisteri* Paris (1551) p. 450, Côte d'Or, France.
1926. *Onychiurus burmeisteri* Womersley (2153) p. 218, S.W. England.
1929. *Kalaphorura burmeisteri* Brown (309) p. 422, Pl. 9, figs. 2 and 3, Britain.
1929. *Kalaphorura burmeisteri* Denis (635) p. 132, Italy.
1929. *Kalaphorura burmeisteri* Handschin (1008) p. 50, fig. 81, Swiss Alps.
1930. *Onychiurus burmeisteri* Mills (1414) p. 391, Agric. pest.
1930. *Onychiurus* (*Kalaphorura*) *burmeisteri* Stach (1869) p. 286, Europe.
1930. *Onychiurus tuberculatus* Stach (1869) p. 286, Europe.
1931. *Kalaphorura burmeisteri* Bonet (205) p. 252, caves, Spain.
1931. *Kalaphorura burmeisteri* Denis (639) p. 213, Germany.
1932. *Kalaphorura burmeisteri* Lengersdorf (1274) p. 63, caves, Switzerland.
1932. *Onychiurus tuberculatus* Lengersdorf (1274) p. 63, caves, Switzerland.
1933. *Kalaphorura burmeisteri* Denis (644) p. 211, Yugoslavia.
1933. *Onychiurus tuberculatus* Griepenberg (940) p. 29, Germany.
1933. *Onychiurus burmeisteri* Turk (2007) p. 93, Britain
1934. *Onychiurus tuberculatus* Stach (1876) p. 150, Pl. 31, European caves.
1935. *Kalaphorura burmeisteri* Denis (652) p. 330, Yugoslavia.
1935. *Onychiurus tuberculatus* Griepenberg (942) p. 22, Germany.
1937. *Kalaphorura burmeisteri* Bagnall (116) p. 87, Scotland.
1937. *Onychiurus tuberculatus* Drenowski (695) p. 2, Bulgaria.
1937. *Onychiurus tuberculatus* Kseneman (1217) p. 469, Carpathians.
1938. *Kalaphorura burmeisteri* Denis (640) p. 98, Italy.
1938. *Onychiurus tuberculatus* Kseneman (1220) p. 12, Europe.
1939. *Onychiurus tuberculatus* Griepenberg (943) p. 21, Germany.
1939. *Onychiurus tuberculatus* Griepenberg (944) p. 77. Germany.
1941. *Onychiurus tuberculatus* Griepenberg (945) p. 57, Germany.
1941. *Onychiurus tuberculatus* Griepenberg (946) p. 74, Germany.
1942. *Kalaphorura burmeisteri* Marlier (1375) p. 8, Belgium.
1942. *Kalaphorura burmeisteri* Muhlmann (1467) p. 194, Europe.
1943. *Onychiurus burmeisteri* Gisin (853) p. 150, Switzerland.
1943. *Kalaphorura burmeisteri* Strebel (1919) p. 117, Germany.
1943. *Onychiurus tuberculatus* Tarsia in Curia (1956) p. 49, fig. 3, Italy.
1944. *Onychiurus* (*Kalaphorura*) *burmeisteri* Gisin (855) p. 13, fig. 9, Morphology.
1947. *Onychiurus* (*Kalaphorura*) *burmeisteri* Gisin (866) p. 78, Switzerland.
1948. *Onychiurus burmeisteri* Gisin (867) p. 81, Switzerland.
1949. *Onychiurus burmeisteri* Schaller (1742) p. 268, Ecology, Germany.
1951. *Onychiurus tuberculatus* Del. Deb. & Gisin (597) p. 134, Italy.
1951. *Onychiurus burmeisteri* Gisin (877) p. 85, Switzerland.
1951. *Onychiurus tuberculatus* Stach (1889) p. 27, fig. 14 L.
1952. *Onychiurus tuberculatus* Del. Deb. (581) p. 75, Mediterranean.
1952. *Kalaphorura burmeisteri* Harvey (1025) p. 369, Physiology.
1954. *Onychiurus tuberculatus* Stach (1891) p. 113, Pl. X, Central Europe.
1955. *Kalaphorura burmeisteri* Chopard (434) p. 20, France.
1955. *Onychiurus burmeisteri* Murphy (1474) p. 158, Ecology.
1956. *Onychiurus burmeisteri* Gisin (895) p. 12, Geneva.
1957. *Onychiurus tuberculatus* Paclt (1543) p. 2, Europe.
1957. *Onychiurus tuberculatus* Paclt (1544) p. 270, Czechoslovakia.
1958. *Kalaphorura burmeisteri* Miles (1412) p. 638, Wales.
1959. *Onychiurus tuberculatus* Da Gama (494) p. 17, Madeira.
1959. *Onychiurus tuberculatus* Da Gama (2266) p. 11, Portugal.
1959. *Onychiurus burmeisteri* Franz & Gunhold, etc. (2369) p. 50, Ecology.
1959. *Onychiurus burmeisteri* Haybach (2375) Tab. VIII, Ecology.
1959. *Kalaphorura burmeisteri* Loksa (2297) p. 70, Hungary.
1959. *Onychiurus tuberculatus* Stach (1896) p. 61, Europe.
1959. *Onychiurus tuberculatus* Strebel (2344) p. 92, Germany.
1960. *Onychiurus burmeisteri* Gisin (2271) p. 113, figs. 26, 223, Europe.
1960. *Onychiurus* (*Protaphorura*) *burmeisteri* Grindbergs (2373) p. 33, U.S.S.R.

Kalaphorura burmeisteri clavipila (Stach), 1920 nov. comb.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1920. *Onychiurus tuberculatus clavipila* Stach (1859) p. 152, Central Europe.
1930. *Onychiurus* (*Kalaphorura*) *Burmeisteri clavipila* Stach (1869) p. 286, Piening.

Kalaphorua granulata (Börner) 1909

1909. *Protaphorura* (*Kalaphorura*) *granulata* Börner (246) p. 103, Japan.
1938. *Protaphorura granulata* Uchida (2015) p. 7, Japan.
1954. *Onychiurus granulatus* Stach (1891) p. 37.
1957. *Kalaphorura granulata* Uchida (2041) p. 21, Japan.

Genus: METONYCHIURUS Salmon, 1959 (1719) p. 130.

Type species fixed: *M. michelbacheri* comb. nov. (Bagnall), by Salmon, 1959 (1719) p. 145.

Metonychiurus michelbacheri (Bagnall) 1948

TYPE and PARATYPE: Brit. Mus. Nat. Hist., London.

1948. *Onychiuroides michelbacheri* Bagnall (125) p. 642, California.
1954. *Onychiurus michelbacheri* Stach (1891) p. 57, California.
1959. *Metonychiurus michelbacheri* Salmon (1719) p. 145, figs. 51–53, Taxonomy.

Metonychiurus minor (Carl) 1899, nov. comb.

TYPE ?: Mus. Hist. Natur., Geneva.
1899. *Aphorura minor* Carl (352) p. 281, figs. 1, 2, 3, Switzerland.

Genus: ARCHAPHORURA Bagnall, 1949 (128) p. 509.
= *Dimorphaphorura* Bagnall, 1949 (128) p. 510.
= *Micraphorura* Bagnall, 1949 (128) p. 509.
= *Oligaphorura* Bagnall, 1949 (128) p. 510.
= *Onychiurus* (ad partem) Stach, 1955 (1893) p. 42.
Type species fixed: *A. serratotuberculata* (Stach) by Bagnall, 1949 (128) p. 509.

Archaphorura absoloni (Börner) 1893

TYPE: Brit. Mus. Nat. Hist., London.
1899. *Aphorura minor* Carl (352) p. 281, figs. 1–3; Switzerland.
1901. *Aphorura Absoloni* Börner (230) p. 422, figs. 1 and 2, Germany.
1920. *Onychiurus absoloni** Handschin (979) p. 9, figs. 1–4, Systematics.
1924. *Onychiurus cirrigerus* Denis (614) p. 291, France.
1924. *Onychiurus absoloni* Handschin (981) p. 100, Switzerland.
1926. *Onychiurus absoloni* Handschin (988) p. 28, fig. 20, Biology.
1928. *Onychiurus absoloni* Remy (1624) p. 52, Greenland.
1929. *Onychiurus absoloni* Handschin (1008) p. 43, fig. 66, Nth. Germany, Mid. Europe.
1934. *Onychiurus absoloni* Ågrell (37) p. 220, Ecology, Sweden.
1935. *Onychiurus absoloni* Bagnall (110) p. 112, Scotland.
1935. *Onychiurus absoloni* Bagnall (113) p. 101, Britain.
1936. *Onychiurus absoloni* Tarsia in Curia (1951) p. 21, Italy.
1941. *Onychiurus absoloni* Ågrell (46) p. 19, Swedish Lapland.
1943. *Onychiurus absoloni* Ågrell (47) p. 124, Sweden.
1945. *Onychiurus absoloni* Ågrell (50) p. 10, habitat Sweden.
1947. *Onychiurus absoloni* Stach (1885) p. 6, Germany, Poland, Switzerland.
1949. *Micraphorura handschini* Bagnall (128) p. 510, Switzerland.
1949. *Onychiurus absoloni* Gisin (872) p. 398, Taxonomy.
1951. *Onychiurus absoloni* Gisin (877) p. 85, Switzerland.
1951. *Onychiurus absoloni* Schaller (1746) p. 492, Ecology.
1953. *Onychiurus absoloni* Gisin (886) p. 58, Systematics (pseudocelli formulae).
1954. *Onychiurus absoloni* Stach (1891) p. 28, Germany.
1954. *Onychiurus affinis* Stach (1891) p. 29, Synonymy.
1955. *Onychiurus absoloni* Murphy (1474) p. 159, Ecology.
1956. *Onychiurus absoloni* Bockemuhl (193) p. 134, Spitzbergen.
1956. *Onychiurus groenlandicus affinis* Bockemuhl (193), p. 134, Synonymy.
1957. *Onychiurus absoloni* Gisin (898) p. 110, Switzerland.
1958. *Onychiurus absoloni* Grindbergs (2277) p. 193, Latvia.
1958. *Onychiurus absoloni* von Torne (1993) p. 662, Austria.
1959. *Onychiurus absoloni* Haybach (2375) Tab. VIII, Ecology.
1959. *Arcaphorura absoloni* Salmon (1719) p. 144, figs. 44–46, Taxonomy.
1960. *Onychiurus absoloni* Gisin (2271) p. 111, figs. 216–220, Europe.
1960. *Onychiurus affinis* Gisin (2271) p. 111.
1960. *Onychiurus* (*Oligaphorura*) *absoloni* Grindbergs (2373) p. 33, U.S.S.R.

Archaphorura affinis (Ågren) 1903, nov. comb.

1903. *Onychiurus affinis* Ågren (54) p. 128, Sweden.
1905. *Onychiurus affinis* Axelson (81) p. 28, Tvarminne-Finland.
1906. *Onychiurus affinis* Axelson (82) p. 9, Russia.
1906. *Onychiurus affinis* Wahlgren (2080) p. 249, Sweden.
1907. *Onychiurus affinis* Axelson (83) p. 129, Finland.
1911. *Onychiurus affinis* Axelson (1291) p. 10, Norway.
1911. *Onychiurus affinis* Shoebotham (1819) p. 33, England.
1912. *Onychiurus affinis* Axelson (1292) p. 89, Pl. VIII, figs. 7-11, Finland.
1919. *Onychiurus affinis* Handschin (979) p. 12, Switzerland.
1920. *Onychiurus affinis* Stach (1859) p. 146, figs. 21 and 22, Poland.
1924. *Onychiurus groenlandicus affinis* Handschin (981) p. 101, Switzerland.
1928. *Onychiurus affinis* Remy (1624) p. 52, Greenland.
1928. *Onychiurus affinis* Remy (1625) p. 63, Greenland.
1931. *Onychiurus affinis* Denis (638) p. 104, Synonymy.
1931. *Onychiurus quadrituberculatus* C. B. Denis (638) p. 104.
1931. *Onychiurus schötti* L. P. Denis (638) p. 104.
1932. *Onychiurus affinis* Denis (641) p. 363, France.
1934. *Onychiurus affinis* Jorgensen (1145) p. 7, Greenland.
1942. *Onychiurus affinis* Muhlmann (1467) p. 224, Europe.
1947. *Onychiurus affinis* Gisin (866) p. 78, Switzerland.
1947. *Onychiurus affinis* Stach (1885) pp. 6–16, Central Europe.
1949. *Micraphorura affinis* Bagnall (128) p. 498, Taxonomy.
1951. *Onychiurus affinis* Praport (1610) p. 141, Poland.
1953. *Onychiurus affinis* Hammer (972) p. 34, North Canada.
1954. *Onychiurus affinis* Stach (1891) pp. 29, 85, Pl. II.
1955. *Onychiurus affinis* Stach (1893) p. 44, figs. 71-74, Europe.
1958. *Onychiurus affinis* Kholova (1169) p. 234, Bohemia.
1959. *Onychiurus affinis* Stach (1896) p. 6, Poland.

* On p. 9 of this paper Handschin suggests that *Lipura cirrigera* Moniez (1448) p. 85, 1893, may be identical with *A. absoloni*. However, Moniez' species is completely indeterminable from his description and Börner's species could not, on the information available, be determined as a synonym of *cirrigera* Moniez, 1893. I am, therefore, placing Moniez' species on the list of *species indeterminatae*.

Archaphorura canziana (Stach) 1934, nov. comb.

1934. *Onychiurus canzianus* Stach (1876) p. 200, Pl. XL, Yugoslavia.
1943. *Onychiurus canzianus* Tarsia in Curia (1956) p. 52, in caves, Italy.
1960. *Onychiurus canzianus* Gisin (2271) p. 145.

Archaphorura groenlandica (Tullberg) 1876, nov. comb.

1876. *Lipura groenlandica* Tullberg (2004) p. 41, Pl. XI, figs. 57 and 58, Arctic.
1891. *Lipura groenlandica* MacGillivray (1341) p. 275, Greenland, Spitzbergen.
1893. *Lipura groenlandica* Schött (1765) p. 88, Greenland.
1896. *Lipura schötti* Lie-Pettersen (1281) p. 1, Norway.
1898. *Lipura groenlandica* Lubbock (1324) p. 619, Spitzbergen.
1899. *Aphorura groenlandica* Scherbakow (1754) p. 47, Spitzbergen.
1899. *Aphorura groenlandica* Wahlgren (2075) p. 337, Spitzbergen.
1900. *Lipura groenlandica* Carpenter (368) p. 271, Franz Josef Land.
1900. *Onychiurus groenlandicus* Carpenter (368) p. 272, Franz Josef Land.
1900. *Aphorura groenlandica* Schaeffer (1738) p. 241, Norway, Greenland, Spitzbergen, Franz Josef Ld.
1900. *Aphorura groenlandica* Skorikow (1833) p. 201, Spitzbergen.
1900. *Aphorura groenlandica* Wahlgren (2077) pp. 358, 372, 375, Greenland, Spitzbergen, Jan Mayen I., Franz Josef Land.
1901. *Aphorura quadrituberculata* Börner (231) p. 423.
1902. *Aphorura groenlandica* Skorikow (1834) p. 95, Spitzbergen.
1903. *Onychiurus affinis* Ågren (54) p. 128, Sweden.
1903. *Onychiurus schötti* Ågren (56) p. 1, Lapland.
1906. *Onychiurus schötti* Wahlgren (2080) p. 233.
1918. *Aphorura groenlandica* Henricksen & Lundbeck (1044) p. 740, Greenland.
1918. *Lipura groenlandica* Henricksen & Lundbeck (1044) p. 740, Greenland.
1919. *Onychiurus groenlandicus* Folsom (790) p. 273, Pl. 17, fig. 14; Pl. 18, figs. 15–23; Arctic.
1921. *Onychiurus affinis* Handschin (979) p. 12, figs. 5–7, Switzerland.
1922. *Onychiurus groenlandicus* Carpenter & Phillips (404) p. 18, Scandinavia, Spitzbergen, Greenland, Franz Josef Land, Jan Mayen I.
1927. *Onychiurus groenlandicus* Carpenter (396) p. 197, Spitzbergen.
1928. *Onychiurus groenlandicus* Handschin (1003) p. 126, East Prussia.
1928. *Onychiurus affinis groenlandicus* Remy (1624) p. 52, Greenland.
1928. *Onychiurus affinis groenlandicus* Remy (1625) p. 63, Greenland.
1928. *Onychiurus groenlandicus* Summerhayes & Elton (1939) p. 208, Spitzbergen.
1929. *Onychiurus groenlandicus* Handschin (1008) p. 43, Norway, Mid. Europe.
1935. *Onychiurus groenlandicus* Axelson (1295) p. 139, Spitzbergen.
1936. *Onychiurus groenlandicus* Axelson (1297) p. 21, N.E. Greenland.
1937. *Onychiurus groenlandicus* Hammer (966) p. 10, East Greenland.
1938. *Onychiurus groenlandicus* Hammer (968) p. 13, East Greenland.
1938. *Onychiurus groenlandicus* James (1125) p. 153, Pl. 15, figs. 1–6, Ellesmere I., Canada.
1938. *Onychiurus groenlandicus* Kseneman (1220) p. 12, Europe.
1939. *Onychiurus groenlandicus* Mills (1422) p. 159, Nth. America.
1942. *Onychiurus groenlandicus* Haarlon (954) p. 44, Greenland.
1942. *Onychiurus groenlandicus* Muhlmann (1467) p. 203, Europe.
1943. *Onychiurus groenlandicus* Ågrell (47) p. 124, Sweden.
1944. *Onychiurus groenlandicus* Hammer (969) p. 61. Distribution. Finland, Europe, Greenland, Spitzbergen, Jan Mayen I., Franz Josef Land.
1947. *Onychiurus groenlandicus* Stach (1885) p. 15, Greenland, Arctic Islands.
1949. *Onychiurus groenlandicus* Strenzke (1922) p. 206, Germany, Europe.
1953. *Onychiurus groenlandicus* Cassagnau (415) p. 66, fig. 1, France.
1953. *Onychiurus groenlandicus* Gisin (885) p. 229, Jan Mayen I.
1953. *Onychiurus groenlandicus* Hammer (972) p. 35, North Canada, Alaska.
1953. *Onychiurus groenlandicus* Hammer (973) p. 4, Ellesmere I., Canada.
1954. *Onychiurus groenlandicus* Hammer (974) p. 11, North Greenland.
1954. *Onychiurus groenlandicus* MacFadyen (1339) p. 289, Jan Mayen I.
1955. *Onychiurus groenlandicus* Palissa (1545) p. 475, Ecology.
1957. *Onychiurus groenlandicus* Bodvarsson (2252) p. 14, Iceland.
1960. *Onychiurus groenlandicus* Gisin (2271) p. 111, fig. 221, Arctic.
1960. *Onychiurus* (*Oligaphorura*) *groenlandicus* Grindbergs (2373) p. 33, U.S.S.R.

Archaphorura groenlandica affinis (Ågren) 1903 nov. comb.

1903. *Onychiurus groenlandicus affinis* Ågren (54) p. 128, Sweden.
1935. *Onychiurus groenlandicus affinis* Bagnall (110) p. 112, Scotland.
1935. *Onychiurus groenlandicus affinis* Bagnall (113) p. 101, England.
1938. *Onychiurus groenlandicus affinis* Kseneman (1219) p. 108, Alps.
1942. *Onychiurus groenlandicus affinis* Haarlon (954) p. 44, Greenland.
1943. *Onychiurus groenlandicus affinis* Gisin (853) p. 150, Switzerland.
1957. *Onychiurus groenlandicus affinis* Bödvarsson (2252) p. 14, Iceland.

Archaphorura magnina* (Wray) 1950, nov. comb.

TYPE: Insect Survey Mus. N.C. Dept. Agric., Raleigh, North Carolina, U.S.A.

1950. *Onychiurus magninus* Wray (2203) p. 91, figs. 1–5, U.S.A.

Archaphorura quadrituberculata (Börner) 1901

1901. *Aphorura quadrituberculata* Börner (232) p. 4, Germany.

* In the description of this species no mention is made of any sense clubs. However, from the other aspects of its facies it would appear to be a species of *Arcaphorura*.

1901. *Aphorura quadrituberculata* Börner (234) p. 23, figs. 8 and 9, Germany.
1937. *Onychiurus quadrituberculata* Frenzel (828) p. 316, Ecology.
1947. *Onychiurus quadrituberculatus* Stach (1885) p 15, Pl. IV, Germany, Tyrol.
1949. *Dimorphaphorura differens* Bagnall (128) p. 511, Tyrol.
1949. *Onychiurus quadrioculatus* (Stach, 1947) Bagnall (128) p. 511, *lapsus calami* = *O. quadrituberculatus.*
1953. *Onychiurus quadrituberculatus* Gisin (886) p. 58, Systematics.
1955. *Onychiurus quadrituberculatus* Stach (1893) p. 44, fig. 75, Austria, Poland.
1959. *Arcaphorura quadrituberculatus* Salmon (1719) p. 154, reclassification.
1960. *Onychiurus quadrituberculata* Gisin (2271) p. 112, Germany, Austrian Alps.

Archaphorura schötti (Lie-Petersen) 1896, nov. comb.
1896. *Lipura schötti* Lie-Petersen (1281) p. 21, Pl. II, fig. II, Norway.
1901. *Aphorura quadrituberculata* Börner (232) p. 4, Germany.
1903. *Onychiurus schoetti* Ågren (55) p. 131, Sweden.
1906. *Onychiurus schötti* Wahlgren (2080) p. 249, Sweden.
1919. *Onychiurus grönlandicus* Folsom (790) p. 273, Pl. XVI, fig. 14; Pl. XVIII, figs. 15-23.
1921. *Onychiurus grönlandicus* Stach (1859) p. 146, Greenland.
1931. *Onychiurus schötti* Denis (639) p. 210, Synonymy.
1947. *Onychiurus schötti* Stach (1885) p. 2, Pls. I and II, Poland.
1949. *Oligaphorura schoetti* (L.P.) Bagnall (128) p. 511, Austria.
1954. *Onychiurus schoetti* Stach (1891) p. 90, Pls. III and IV, Austria.
1955. *Onychiurus schoetti* Stach (1893) p. 44, figs. 76 and 77, Poland, Scandinavia, Czechoslovakia.
1960. *Onychiurus schoetti* Gisin (2271) p. 111, Norway.
1960. *Onychiurus schoetti* Lawrence (2295) p. 36 and 13 figs, England.

Archaphorura serratotuberculata (Stach) 1933
1933. *Onychiurus serratotuberculatus* Stach (1873) p. 238, Pl. 16, Poland.
1936. *Onychiurus serratotuberculatus* Stammer (1900) p. 211, Austria.
1937. *Onychiurus serratotuberculatus* Frenzel (828) p. 316, Ecology.
1937. *Onychiurus serratotuberculatus* Kseneman (1217) p. 468, Carpathians.
1938. *Onychiurus serratotuberculatus* Kseneman (1220) p. 12, Europe.
1939. *Onychiurus serratotuberculatus* Stach (1881) p. 397, Czechoslovakia.
1949. *Archaphorura serratotuberculata* Bagnall (128) p. 509, Poland.
1951. *Onychiurus serratotuberculatus* Stach (1889) p. 18, figs. 9-b.
1954. *Onychiurus serratotuberculatus* Stach (1891) p. 93, Pl. V, Poland, Russia.
1955. *Onychiurus serratotuberculatus* Stach (1893) p. 43, figs. 67–70, Poland, Russia.
1958. *Onychiurus serratotuberculatus* Nosek (1503) p. 357, Czechoslovakia.
1959. *Arcaphorura* (*Onychiurus*) *serratotuberculatus* Salmon (1719) p. 127, Classification.
1959. *Onychiurus serratotuberculatus* Stach (1896) p. 61, Carpathians, European Alps.
1960. *Onychiurus serratotuberculatus* Gisin (2271) p. 110, fig. 219, Poland, Carpathians.
1960. *Onychiurus* (*Oligaphorura*) *serratotuberculatus* Grindbergs (2373) p. 33, U.S.S.R.

Genus: HYMENAPHORURA Bagnall, 1948 (125) p. 635.
= *Heteraphorura* Bagnall, 1948 (125) p. 640.
= *Hymenaphorurodes* Bagnall, 1949 (128) p. 506.
Type species fixed: *H. sibirica* (Tullberg) by Bagnall 1948 (125) p. 635.

Hymenaphorura alpina (Stach) 1946, nov. comb.
1946. *Onychiurus alpinus* Stach (1884) p. 8, Pl. III, figs. 1–7, Styrian Alps.

Hymenaphorura alticola (Bagnall) 1935
1935. *Onychiurus alticola* Bagnall (111) p. 63, Britain.
1921. *Onychiurus sibiricus* Handschin (979) p. 1.
1953. *Onychiurus sibiricus* Handschin, Gisin (886) p. 59, Swiss caves.
1954. *Onychiurus sibiricus* Handschin, Stach (1891) p. 32, Synonymy.
1958. *Onychiurus alticolus* von Torne (1993) p. 662, Austria.
1959. *Hymenaphorura alticola* Salmon (1719) p. 153, Taxonomy.
1960. *Onychiurus alticola* Gisin (2270) p. 95, Switzerland.
1960. *Onychiurus alticola* Gisin (2271) p. 127, figs. 243, 244.

Hymenaphorura californica (Coleman) 1941, nov. comb.
1941. *Onychiurus californicus* Coleman (458) p. 8, figs. 6–11, California.

Hymenaphorura cocklei (Folsom) 1908, nov. comb.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois, U.S.A. and U.S. Nat. Mus., Washington, D.C.
1908. *Aphorura cocklei* Folsom (784) p. 199, figs. 1–8, British Columbia.
1913. *Aphorura lutea* Bacon (92) p. 46, California.
1913. *Aphorura montis* Bacon (92) p. 44, California.
1913. *Aphorura lutea* Hilton (1060) p. 37, Physiology.
1913. *Aphorura montis* Hilton (1060) p. 37, Physiology.
1914. *Aphorura lutea* Bacon (94) p. 170, California.
1914. *Aphorura montis* Bacon (94) p. 171, California.
1917. *Onychiurus cocklei* Folsom (788) p. 640, Pl. 68, fig. 2; Pl. 70, figs. 19-20; Pl. 71, figs. 21-28; Nth. America.
1933. *Onychiurus cocklei* Mills and Rolfs (1431) p. 79, Washington.
1941. *Onychiurus cocklei* Coleman (458) p. 8, fig. 20, Sth. Carolina.
1942. *Onychiurus cocklei* Essig (733) p. 82, Canada, Alaska.
1942. *Onychiurus cocklei* Scott (1796) p. 178, West U.S.A.
1954. *Onychiurus cocklei* Stach (1891) p. 29, Synonymy, North America.
1956. *Onychiurus cocklei* Paclt (1541) p. 98, Biology.
1959. *Onychiurus cocklei* Wilkey (2350) p. 223, California.

Hymenaphorura irregularis (Chamberlain) 1943, nov. comb.
TYPE: Illinois State Nat. His. Surv., Urbana, U.S.A.
1943. *Onychiurus irregularis* Chamberlain (431) p. 43, Pl. 1, figs. 8–13, U.S.A.

Hymenaphorura montana (Handschin) 1921, nov. comb.
1921. *Onychiurus montanus* Handschin (979) p. 15, figs. 12–15, Switzerland.
1924. *Onychiurus montanus* Handschin (981) p. 101, Switzerland.

1926. *Onychiurus montanus* Handschin (988) p. 28, fig. 20, Biology.
1929. *Onychiurus montanus* Handschin (1008) p. 44, fig. 69, Switzerland.

Hymenaphorura pseudosibirica (Stach) 1954, nov. comb.

1954. *Onychiurus pseudosibiricus* Stach (1891) pp. 31, 101, Hungary.
1960. *Onychiurus pseudosibiricus* Gisin (2271) p. 129, Hungary.

Hymenaphorura sibirica (Tullberg) 1876, nov. comb.

1876. *Lipura sibirica* Tullberg (2004) p. 40, Pl. XI, figs. 54–56, Arctic.
1893. *Lipura sibirica* Schött (1765) p. 88, Siberia.
1900. *Aphorura sibirica* Absolon (8) p. 408, figs. 4 and 5, Siberia, Europe.
1900. *Aphorura siberica* Schaeffer (1738) p. 241, N.W. Siberia.
1900. *Aphorura sibirica* Wahlgren (2077) p. 373, Greenland.
1901. *Aphorura sibirica* Absolon (11) p. 38, Czechoslovakia.
1901. *Aphorura sibirica* Absolon (12) p. 101, figs. 8 and 9, Siberia, Europe.
1905. *Onychiurus sibiricus* Axelson (81) p. 28, Finland.
1907. *Onychiurus sibiricus* Axelson (83) p. 129, Finland.
1907. *Onychiurus sibiricus* Axelson (84) p. 14, North Finland.
1912. *Onychiurus sibiricus* Axelson (1292) p. 88, Pl. VIII, figs. 3–6, Finland.
1917. *Onychiurus sibiricus* Folsom (788) p. 640, Pl. 68, fig. 1; Pl. 70, figs. 12–18; North America.
1919. *Onychiurus sibiricus* Axelson (1293) p. 6, Arctic Urals.
1921. *Onychiurus montanus* Handschin (979) p. 15, Switzerland.
1921. *Onychiurus sibiricus* Handschin (979) p. 14, figs. 8–11, Synonymy, Switzerland.
1924. *Onychiurus sibiricus* Handschin (983) p. 101, Synonymy, Switzerland.
1924. *Onychiurus sibiricus* Schött (1776) p. 9, fig. 4, Russia.
1926. *Onychiurus sibiricus* Denis (625) p. 206, France.
1928. *Onychiurus sibiricus* Remy (1625) p. 63, Greenland.
1929. *Onychiurus sibiricus* Handschin (1008) p. 44, fig. 68, Switzerland.
1929. *Aphorura watanabei* Matsumoto and Saito (1385) p. 1, Japan.
1929. *Onychiurus sibiricus* Stach (1869) p. 284, Siberia, Poland, Switzerland.
1931. *Onychiurus sibiricus* Bonet (205) p. 252, Spain.
1931. *Onychiurus sibiricus* Denis (639) p. 213, Germany.
1931. ***Onychiurus watanabei*** Matsumura and Uchida (1386) p. 3, with figs., Japan.
1932. *Onychiurus watanabei* Kinoshita (1178) p. 2119, Japan.
1934. *Onychiurus sibiricus* Durkop (707) p. 495, Finland, Siberia, Greenland, Switzerland.
1934. *Onychiurus sibiricus* Jorgensen (1145) p. 7, Greenland.
1934. *Onychiurus sibiricus* Stach (1876) p. 138, Pl. 27 and 28, Europe.
1936. *Onychiurus sibiricus* Axelson (1297) p. 21, N.E. Greenland.
1936. *Onychiurus sibiricus* Madsen (1367) p. 20, Greenland.
1936. *Onychiurus sibiricus* Stammer (1900) p. 211, Austrian Alps.
1937. *Onychiurus sibiricus* Frenzel (828) p. 296, Ecology.
1937. *Onychiurus sibiricus* Hesse, etc. (1052) p. 537 Ecology.
1937. *Onychiurus sibiricus* Kseneman (1217) p. 468 Carpathians.
1938. *Onychiurus sibiricus* Hammer (968) p. 14, Eas Greenland.
1938. *Onychiurus sibiricus* Kseneman (1219) p. 109 Alps, Czechoslovakia.
1938. *Onychiurus watanabei* Uchida (2015) p. 7, Japan
1942. *Onychiurus sibiricus* Muhlmann (1467) p. 193 Europe.
1943. *Onychiurus sibiricus* Ågrell (47) p. 125, Sweden
1943. *Onychiurus sibiricus* Gisin (853) p. 150, Switzerland.
1943. *Onychiurus sibiricus* Strebel (1919) p. 117, Germany.
1943. *Onychiurus sibiricus* Tarsia in Curia (1956) p. 48, fig. 2, caves, Italy.
1944. *Onychiurus sibiricus* Hammer (969) p. 61, North America, Greenland, Finland, Europe, Arctic Siberia.
1946. *Onychiurus alpinus* Stach (1884) p. 8, European Alps.
1947. *Onychiurus sibiricus* Gisin (866) p. 78, Switzerland.
1948. *Hymenaphorura sibirica* Bagnall (125) p. 637, Arctic and Subarctic.
1948. *Hymenaphorura troglodytes* Bagnall (125) p. 637, Czechoslovakia, Hungary, Germany.
1950. *Onychiurus watanabei* Kinoshita and Uchida (1179) p. 13, with figs, Japan.
1951. ***Onychiurus sibiricus*** Stach (1889) p. 15, fig. 7-D.
1952. *Onychiurus sibiricus* Hammer (971) p. 413, Ecology, Greenland.
1952. *Onychiurus watanabei* Uchida (2027) p. 4, Japan.
1953. *Onychiurus sibiricus* Gisin (886) p. 59, Switzerland.
1953. *Onychiurus sibiricus* Hammer (972) p. 35, North Canada.
1954. *Onychiurus sibiricus* Bellinger (174) p. 17, Connecticut.
1954. *Onychiurus sibiricus* Stach (1891) p. 96, Pl. VI, Synonymy, Europe.
1954. *Onychiurus watanabei* Yosii (2230) p. 140, Japan.
1955. *Onychiurus sibiricus* Stach (1893) p. 47, figs. 78-80, Siberia, Europe, Greenland.
1955. *Onychiurus sibiricus* Strenzke (1926) p. 30.
1955. *Onychiurus watanabei* Uchida (2034) p. 198, Japan.
1955. *Onychiurus watanabei* Yosii (2232) p. 15, figs. 8–12, Japan.
1956. *Onychiurus sibiricus* Bockemuhl (193) p. 135, Spitzbergen.
1956. *Onychiurus sibiricus* Paclt (1540) p. 354, Europe.
1956. *Onychiurus sibiricus* Paclt (1541) pp. 35, 123, fig. 46, Biology.
1956. *Onychiurus sibiricus* von Torne (1990) p. 500, Switzerland.
1956. *Onychiurus* (*Hymenaphorura*) *sibiricus* Yosii (2235) p. 53, Pl. XXV, figs. 146–148, Japan.
1957. *Onychiurus watanabei* Uchida (2041) p. 19, Japan.
1958. *Onychiurus sibiricus* Kholova (1169) p. 234, Bohemia.
1958. *Onychiurus sibiricus* von Torne (1993) p. 663, Austria.
1959. *Onychiurus sibiricus* Haybach (2375) Tab. VIII, Ecology.
1959. *Onychiurus sibiricus* Paclt (2317) p. 338, Palearctic.

1959. *Hymenaphorura sibirica* Salmon (1719) p. 154, Taxonomy.
1959. *Onychiurus sibiricus* Stach (1896) p. 6, Poland.
1960. *Onychiurus sibiricus* Gisin (2271) p. 129, Europe, Arctic.
1960. *O. (Protaphorura) sibiricus* Grindbergs (2373) p. 34, U.S.S.R.

Hymenaphorura sibirica dentifera (Stach) 1934, nov. comb.

1934. *Onychiurus sibiricus dentifera* Stach (1876) p. 144, Poland.
1938. *Onychiurus sibiricus dentifera* Kseneman (1220) p. 12, Poland, Czechoslovakia.
1954. *Onychiurus sibiricus dentifera* Stach (1891) p. 97, Systematics.

Hymenaphorura similis (Folsom) 1917

COTYPE: U.S. Nat. Mus., Washington, D.C.
1917. *Onychiurus similis* Folsom (788) p. 640, Illinois.
1920. *Onychiurus sibiricus similis* Handschin (979) p. 15, Switzerland.
1924. *Onychiurus sibiricus similis* Handschin (979) p. 15, Switzerland.
1924. *Onychiurus sibiricus similis* Handschin (981) p. 101, Switzerland.
1948. *Hymenaphorura similis* Bagnall (125) p. 641, U.S.A.
1959. *Onychiurus similis* Wilkey (2350) p. 223, California.

Hymenaphorura strasseri (Stach) 1934, nov. comb.

1934. *Onychiurus strasseri* Stach (1876) p. 147, Pl. XXIX and XXX, Switzerland.
1938. *Onychiurus strasseri* Denis (665) p. 99, Italy.
1939. *Onychiurus strasseri* Kos (1196) p. 297, figs. 51–56, Alps, Yugoslavia.
1941. *Onychiurus strasseri* Kos (1198) p. 92, Yugoslavia.
1960. *Onychiurus strasseri Gisin* (2271) p. 127, Europe.

Hymenaphorura strasseri edentata (Kos) 1939, nov. comb.

TYPE: Nat. Mus., Ljubljana, Yugoslavia.
1939. *Onychiurus strasseri edentatus* Kos (1196) p. 300, figs. 57–69, Yugoslavia.
1941. *Onychiurus strasseri edentatus* Kos (1198) p. 93, Yugoslavia.
1956. *Onychiurus strasseri edentatus* Paclt (1541) p. 38, fig. 53, Biology.

Hymenaphorura submontana (Denis) 1926, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1926. *Onychiurus submontanus* Denis (626) p. 11, Italy.
1927. *Onychiurus submontanus* Denis (629) p. 187, figs. 34–39, Italy.
1960. *Onychiurus submontanus* Gisin (2271) p. 129, fig. 248, Italy.

Hymenaphorura subsimilis Bagnall, 1948

TYPE: Brit. Mus. Nat. Hist., London.
1948. *Hymenaphorura subsimilis* Bagnall (125) p. 637, Roumania.
1959. *Hymenaphorura subsimilis* Salmon (1719) p. 145, figs. 47–50, Ad. description.
1960. *Onychiurus subsimilis* Gisin (2271) p. 129, Roumania.

Hymenaphorura subtenuis (Folsom) 1917

COTYPES: U.S. Nat. Mus., Washington D.C. and Illinois State Nat. Hist. Surv., Urbana, Illinois, U.S.A.
1917. *Onychiurus subtenuis* Folsom (788) p. 642, Pl. 68, fig. 3, Pl. 72, figs. 29–38, U.S.A.
1927. *Onychiurus subtenuis* Blake (189) p. 75, Ecology.
1928. *Onychiurus subtenuis* Smith (1840) p. 490, Ecology.
1930. *Onychiurus subtenuis* Bird (187) pp. 520, 523, Ecology.
1933. *Onychiurus subtenuis* James (1124) p. 86, Canada.
1933. *Onychiurus subtenuis* Mills and Rolfs (1431) p. 79, Washington.
1934. *Onychiurus subtenuis* Mills (1417) p. 34, fig. 76, Iowa.
1938. *Onychiurus subtenuis* Brimley (275) p. 15, North Carolina.
1938. *Onychiurus subtenuis* Mills (1421) p. 15, North Carolina.
1939. *Onychiurus subtenuis* Bueker (332) p. 11, figs. 3–6, St. Louis, U.S.A.
1943. *Onychiurus subtenuis* Chamberlain (431) p. 39, North America.
1944. *Onychiurus subtenuis* Gisin (854) p. 30, North America.
1946. *Onychiurus subtenuis* Pearse (1575) p. 139, Ecology.
1948. *Hymenaphorura similis* Bagnall (125) p. 641, U.S.A.
1951. *Onychiurus subtenuis* Maynard (1393) p. 73, Pl. VIII, fig. 133, New York.
1953. *Onychiurus subtenuis* Hammer (972) p. 36, North Canada.
1954. *Onychiurus subtenuis* Bellinger (174) p. 17, Connecticut.
1956. *Onychiurus subtenuis* Wray and Knowlton (2215) p. 7, Utah.

Hymenaphorura valdegranulata (Stach) 1954, nov. comb.

1954. *Onychiurus valdegranulatus* Stach (1891) p. 103, Pl. VII, figs. 2–6, Carpathians.
1955. *Onychiurus valdegranulatus* Stach (1893) p. 47, figs. 81 and 82, Carpathians.
1960. *Onychiurus valdegranulatus* Gisin (2271) p. 128, Yugoslavia.
1960. *O. (Protaphorura) valdegranulatus* Grindbergs (2373) p. 34, U.S.S.R.

Hymenaphorura variotuberculata* (Stach) 1934, nov. comb.

1934. *Onychiurus variotuberculatus* Stach (1876) p. 161, Pl. XXXII, Europe.
1943. *Onychiurus variotuberculatus* Tarsia in Curia (1956) p. 50, Italy.
1947. *Heteraphorura variotuberculata* Bagnall (125) p. 640, Italy, Poland.
1951. *Onychiurus variotuberculatus* Stach (1889) p. 30, fig. 16-B.
1954. *Onychiurus variotuberculatus* Stach (1891) p. 110, Pl. IX, Poland.
1960. *Onychiurus variotuberculatus* Gisin (2271) p. 128, Yugoslavia.
1960. *O. (Protaphorura) variotuberculatus* Grindbergs (2373) p. 34, U.S.S.R.

* This species is difficult to place on account of the peculiar form of the postantennal organ which, however, from Stach's figures, does appear to me to come nearest to the genus *Hymenaphorura.*

Hymenaphorura variotuberculata terricola† (Kos) 1940, nov. comb.

TYPE: Nat. Mus., Ljubljana, Yugoslavia.

1940. *Onychiurus variotuberculatus terricolus* Kos (1197) p. 154, figs. 26–31, Yugoslavia, Slovakia.
1948. *Onychiurus setiventris* Butschek (341) p. 28, figs. 3 a-d, Alps, Europe.
1948. *Onychiurus setiventris* Gisin (867) p. 84, Switzerland.
1956. *Onychiurus setiventris* Gisin (897) p. 337, Italy.
1960. *Onychiurus terricola* Gisin (2271) p. 127, figs. 245–247, Austria, Switzerland, Italy, Yugoslavia.

Genus: HANDSCHINIELLA Bagnall, 1949 (128) p. 505.

Type species fixed: *H. zschokkei* (Handschin) by Bagnall, 1949 (128) p. 505 (monotype).

Handschiniella bagnalli (Bagnall), 1934

TYPE: Brit. Mus. Nat. Hist., London.

1934. *Onychiurus differens* Bagnall *nomen nudum*, unpublished collection.
1959. *Handschiniella bagnalli* Salmon (1719) p. 155, figs. 54–57, Scotland.

Handschiniella butrosi (Christiansen) 1956, nov. comb.

1956. *Onychiurus butrosi* Christiansen (443) p. 126, Pl. 7, figs. 9–11, Lebanon, Syria.
1960. *Onychiurus butrosi* Gisin (2271) p. 124, Lebanon, Syria.

Handschiniella caerulea (Börner) 1901, nov. comb.

1901. *Aphorura caerulea* Börner (230) p. 423, Sicily.
1960. *Onychiurus caeruleus* Gisin (2271) p. 115, Sicily.

Handschiniella cryptopyga (Denis) 1931, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.

1931. *Onychiurus cryptopygus* Denis (638) p. 101, figs. 74–77, Costa Rica.
1933. *Onychiurus cryptopygus* Denis (645) p. 232, Ad. description, Costa Rica.

Handschiniella debilis (Moniez) 1890, nov. comb.

1890. *Lipura debilis* Moniez (1441) p. 34, fig. 24, France.
1890. *Lipura debilis* Moniez (1445) p. 332, France.
1890. *Lipura debilis* Moniez (1447) p. 71, France.
1896. *Aphorura neglecta* Schaeffer (1735) p. 162, figs. 15–16, Germany.
1900. *Aphorura neglecta* Wahlgren (2076) p. 7, Arctic.
1900. *Aphorura neglecta* Wahlgren (2077) p. 367, Greenland.
1917. *Onychiurus litoreus* Folsom (788) p. 644, North America.
1922. *Onychiurus neglectus* Carpenter and Phillips (404) pp. 13, 18, Jan Mayen Is., Bear I., Germany.
1923. *Onychiurus debilis* Denis (611) p. 216, figs. 9–12, Synonymy.
1924. *Onychiurus debilis* Denis (614) p. 291, France.
1925. *Onychiurus debilis* Denis (618) p. 557, Ad. description, France.
1925. *Onychiurus debilis* Willem (2136) p. 279, fig. 3, France.
1929. *Onychiurus debilis* Stach (1869) p. 269, Hungary.
1931. *Onychiurus debilis* Denis (639) p. 209, Germany.
1935. *Onychiurus debilis* Bagnall (111) p. 62, Britain.
1935. *Onychiurus debilis* Bagnall (113) p. 102, *non debilis*.
1937. *Onychiurus debilis* Bagnall (116) p. 145, Scotland.
1937. *Onychiurus littoralis* Durkop (707) p. 133, Germany.
1943. *Onychiurus debilis* Strenzke (1923) p. 84, Germany.
1947. *Onychiurus debilis* Del. Deb. (550) p. 134, France.
1953. *Onychiurus debilis* Del. Deb. (584) p. 300, France.
1953. *Onychiurus debilis* Gisin (885) p. 231, Ad. description, Jan Mayen I.
1953. *Onychiurus debilis* Hammer (973) p. 4, Ellesmere I., Canada.
1954. *Onychiurus debilis* Strenzke (1925) p. 50, fig. 8-c, Germany.
1955. *Onychiurus debilis* Strenzke (1926) p. 28, fig. 10, Europe.
1960. *Onychiurus debilis* Gisin (2271) p. 125, Europe.
1960. *Onychiurus debilis* Murphy (2386) p. 51, Britain.

Handschiniella duplopunctata (Strenzke) 1954, nov. comb.

1953. *Onychiurus debilis* Gisin (885) p. 231, Jan Mayen Island.
1954. *Onychiurus duplopunctatus* Strenzke (1925) p. 51, Germany.
1960. *Onychiurus duplopunctatus* Gisin (2271) p. 126, Greenland, Jan. Mayen I.
1960. *Onychiurus duplopunctatus* Murphy (2386) p. 51, Britain.

Handschiniella eduardi (Denis) 1937, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.

1937. *Onychiurus eduardi* Denis (665) p. 107, Italy.
1960. *Onychiurus eduardi* Gisin (2271) p. 141, Italy.

Handschiniella handschini (Denis) 1924, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.

1924. *Onychiurus handschini* Denis (615) p. 197, France.
1925. *Onychiurus handschini* Denis (618) p. 558, fig. II, France.
1931. *Onychiurus handschini* Bonet (205) pp. 305, 378, fig. VI, Spain.
1953. *Onychiurus handschini* Gisin (886) p. 60, Swiss caves.
1960. *Onychiurus handschini* Gisin (2270) p. 90, Switzerland.
1960. *Onychiurus handschini* Gisin (2271) p. 133, figs. 256–257, Switzerland.

Handschiniella imperfecta (Denis) 1937, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.

1937. *Onychiurus imperfectus* Denis (665) p. 110, Italy.
1952. *Onychiurus imperfectus* Gisin (882) p. 18, Switzerland.
1955. *Onychiurus imperfectus* Gridelli (938) p. 36, Venice.
1959. *Onychiurus imperfectus* Lawrence (2294) p. 119, England.
1960. *Onychiurus imperfectus* Gisin (2271) p. 142, fig. 275, Switzerland.

Handschiniella parvicornis (Mills) 1934, nov. comb.

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.

1934. *Onychiurus parvicornis* Mills (1417) p. 33, figs. 71–73, Iowa.

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† Gisin, 1960 (2271) p. 127, recognises *terricola* as a distinct species, but, from a study of the excellent figures by Kos (1197) and Stach (1891), I consider *terricola* a subspecific form of *variotuberculata* Stach. The vesicles of the postantennal organ are more inclined to the axis of the organ than at right angles to it and, therefore, I consider the species best placed in the genus *Hymenaphorura*.

1954. *Onychiurus parvicornis* Bellinger (174) p. 17, Connecticut.
1960. *Onychiurus parvicornis* Murphy (2386) p. 51, Systematics.

Handschiniella uenoi (Yosii) 1954, nov. comb.

TYPE: Auth. Pers. Coll., Yoshida Coll., Kyoto Univ., Japan.
1954. *Onychiurus uenoi* Yosii (2232) p. 14, figs. 1–7, Japan.
1956. *Onychiurus (Supraphorura) uenoi* Yosii (2235) p. 52, Pl. XXIV, fig. 142; Pl. XXV, figs. 143–145; Japan.

Handschiniella zschokkei (Handschin) 1919, nov. comb.
1919. *Onychiurus zschokkei* Handschin (977) p. 71, Pl. 1, figs. 1–4, 9, 13, European Alps.
1920. *Onychiurus zschokkei* Handschin (979) p. 16, figs. 16–18, Switzerland.
1924. *Onychiurus zschokkei* Handschin (981) p. 102, Switzerland.
1926. *Onychiurus Zschokkei* Handschin (988) p. 28, fig. 20, Biology.
1929. *Onychiurus zschokkei* Handschin (1008) p. 46, fig. E73, Central and East Alps, Europe.
1943. *Onychiurus zschokkei* Gisin (853) p. 151, Switzerland.
1944. *Onychiurus zschokkei* Gisin (855) p. 14, fig. 10, Switzerland.
1947. *Onychiurus zschokkei* Gisin (868) p. 79, Switzerland.
1948. *Onychiurus zschokkei* Butschek (341) p. 31, North-East Alps, Europe.
1950. *Onychiurus zschokkei* Gisin (877) p. 85, Switzerland.
1955. *Onychiurus zschokkei* Murphy (1474) p. 158, Ecology.
1957. *Onychiurus zschokkei* Gisin (899) p. 454.
1958. *Onychiurus zschokkei* von Torne (1993)) p. 663, Austria.
1960. *Onychiurus zschokkei* Gisin (2271) p. 125, figs. 239 and 240, Switzerland.

Handschiniella zschokkei armata (Handschin) 1924, nov. comb.
1924. *Onychiurus zschokkei armata* Handschin (981) p. 102, Switzerland.

Genus: PROTAPHORURA Absolon, 1901 (19) p. 387.
= *Onychiuroides* Bagnall, 1935 (110) p. 111.
= *Protaphorurodes* Bagnall, 1949 (128) p. 507.
= *Heteronychiurus* Bagnall, 1949 (128) p. 505.
= *Stenonychiurus* Bagnall 1949 (128) p. 505.
= *Allaphorura* Bagnall, 1949 (128) p. 504.
Type species fixed: *P. armata* (Tullberg) by Börner, 1909 (246) p. 102.

Protaphorura albo-rufescens (Kolenati) 1858, nov. comb.
1858. *Anurophorus Kollarii* Kolenati (1191) p. 244, figs. 1–3, Austria.
1858. *Anurophorus Kollarii* Kolenati (1190) p. 131, Styria.
1859. *Anurophorus Kollarii* Muller (1468) p. 31, Styria.
1873. *Lipura Kollarii* Lubbock (1318) p. 195, Styrian Alps.
1895. *Anurophorus Kollarii* Vogler (2064) p. 31, swarming on snow.
1895. *Lipura alborufescens* Vogler (2064) p. 33, swarming on snow.
1896. *Lipura alborufescens* Vogler (2065) p. 150, figs. 4–6, Austria.
1899. *Aphorura albrufescens* Carl (352) p. 282, Switzerland.
1901. *Anurophorus kollarii* Absolon (17) p. 213, Czechoslovakia.
1901. *Aphorura alborufescens* Carl (354) p. 245, Switzerland.
1907. *Aphorura albo-rufescens* Latzel (1248) p. 159, Austria.
1919. *Onychiurus alborufescens* Handschin (977) p. 72, Switzerland.
1921. *Onychiurus alborufescens* Handschin (979) p. 21, figs. 35, 40, Switzerland.
1926. *Onychiurus alborufescens* Handschin (988) p. 28, fig. 20, Biology.
1929. *Onychiurus alborufescens* Handschin (1008) p. 45, fig. 70, Central European Alps.
1930. *Onychiurus alborufescens* Womersley (2165) p. 36, Scotland.
1934. *Onychiurus alborufescens* Davies (521) p. 91, Wales.
1934. *Onychiurus alborufescens* Davies (522) p. 118, Wales.
1935. *Onychiurus alborufescens* Bagnall (110) p. 117, Scotland.
1948. *Onychiurus alborufescens* Salt, etc. (1724) p. 145, Ecology.
1954. *Onychiurus alborufescens* Stach (1891) p. 36, Europe.
1956. *Onychiurus alborufescens* Paclt (1541) p. 98, Biology.
1957. *Onychiurus alborufescens* Gisin (899) p. 456, Systematics.
1960. *Onychiurus alborufescens* Gisin (2271) p. 124, Switzerland.
1960. *O. (Protaphorura) alborufescens* Grindbergs (2373) p. 34, U.S.S.R.

Protaphorura armata (Tullberg) 1869
1746. *Pediculus terrestris* Linné (1299) p. 342, Europe.
1758. *Podura ambulans* Linné (1300) p. 609 *ad partem.*
1761. *Podura ambulans* Linné (1301) p. 474 *ad partem.*
1778. *Podura terristris* De Geer (532) p. 33 *ad partem.*
1838. *Lipura ambulans* Burmeister (339) p. 447 *ad partem.*
1842. *Adicranus fimetarius* Bourlet (265) p. 39, Europe.
1844. *Lipura ambulans* Gervais (841) p. 441 *ad partem.*
partem)
1844. *Lipura volvator* Gervais (841) p. 441, France.
1859. *Anurophorus gracilis** Müller (1468) p. 30, fig. 4, Czechoslovakia.
1860. *Anurophorus gracilis* Wankel (2100) p. 202, Czechoslovakia.
1869. *Lipura armata* Tullberg (2001) p. 18, Scandinavia.
1871. *Lipura armata* Tullberg (2002) p. 154, Sweden.
1872. *Lipura armata* Tullberg (2003) p. 56, Sweden.
1873. *Lipura armata* Lubbock (1318) p. 194, Europe.

* This species was insufficiently described by Müller and although recognized by Absolon was also poorly described by him. From his figures, (8) p. 410, and accompanying description, however, the species would appear to be a variety of *Protaphorura armata* with which I accordingly include it as a primary synonym.

1873. *Lipura Burmeisteri* Lubbock (1318) pp. 57, 190, Pl. XLIV, England.
1876. *Lipura armata* Reuter (1630) p. 83, Finland.
1876. *Lipura arctica* Tullberg (2004) p. 39, Sweden, Greenland.
1876. *Lipura armata* Tullberg (2004) p. 39, Sweden, Greenland.
1880. *Lipura aurantiaca*† Ridley (1654) p. 1, England.
1882. *Aphorura gracilis* Joseph (1150) p. 30, Europe.
1890. *Lipura armata* Reuter (1638) p. 20, Finland.
1891. *Lipura armata* MacGillivray (1341) p. 275, Greenland.
1891. *Lipura armata* Moniez (1447) p. 70, France.
1891. *Lipura armata* Uzel (2050) p. 74, Bohemia.
1891. *Lipura armata* Uzel (2051) p. 920, Heligoland I.
1893. *Lipura incerta* Moniez (1448) p. 81, Europe.
1893. *Lipura arctica* Schött (1765) p. 87, Arctic.
1893. *Lipura armata* Schött (1765) p. 87, distribution, Sweden, Siberia.
1894. *Lipura incerta* Moniez (1452) p. 211, New Zealand.
1894. *Lipura arctica* Schaeffer (1733) p. 128, Spitzbergen.
1895. *Lipura armata* Reuter (1643) p. 33, Finland, North and Mid. Europe, Siberia, Greenland.
1896. *Lipura armata* Lie-Pettersen (1281) p. 20, Norway.
1896. *Lipura quadrispina* Lie-Pettersen (1281) p. 20, Pl. II, figs. 9–10, Norway.
1896. *Lipura ambulans* Meinart (1399) p. 167, Europe.
1897. *Aphorura armata* Poppe and Schaeffer (1607) p. 266, Germany.
1897. *Aphorura armata* Schaeffer (1735) p. 162, figs. 10, 11, 12, Germany.
1897. *Aphorura armata* Schaeffer (1736) p. 4, Europe, Siberia, Greenland, Chile.
1898. *Lipura arctica* Lie-Pettersen (1282) p. 14, Arctic.
1898. *Lipura armata* Lie-Pettersen (1282) p. 14, Norway.
1898. *Lipura arctica* Lubbock (1324) p. 619, Spitzbergen.
1898. *Aphorura armata* Scherbakow (1750) p. 58, Russia.
1899. *Aphorura armata* Carl (352) p. 282, Switzerland.
1899. *Onychiurus armatus* Carpenter and Evans (402) p. 257, Scotland.
1899. *Lipura armata* Lie-Pettersen (1283) p. 11, Norway.
1899. *Aphorura arctica* Scherbakow (1752) p. 3, Spitzbergen.
1899. *Aphorura arctica* Scherbakow (1754) p. 47, Spitzbergen.
1899. *Aphorura arctica* Wahlgren (2075) p. 337, Arctic.
1900. *Aphorura armata* Absolon (8) p. 406, Habitat.
1900. *Aphorura armata stalagmitorum* Absolon (8) p. 407, Germany.
1900. *Aphorura gracilis* Absolon (8) p. 409, fig. 6, Czechoslovakia.
1900. *Lipura gracilis* Absolon (3) p. 62, Czechoslovakia.
1900. *Aphorura arctica* Axelson (75) p. 107, Finland.
1900. *Aphorura arctica* Schaeffer (1738) p. 241, Arctic.
1900. *Aphorura armata* Schaeffer (1738) p. 241, N.W. Siberia, Greenland, North and Mid. Europe, Nth. America, Chile.
1900. *Aphorura armata* Schaeffer (1739) p. 246, Germany.
1900. *Aphorura arctica* Skorikow (1833) p. 190, Spitzbergen.
1900. *Aphorura arctica* Wahlgren (2076) p. 7, Bear I.
1900. *Aphorura arctica* Wahlgren (2077) p. 357, Greenland, Jan Mayen I., Novaya Zemlya.
1900. *Aphorura armata* Wahlgren (2076) p. 7, Bering Island.
1900. *Aphorura armata* Wahlgren (2077) p. 357, Greenland.
1900. *Lipura armata* Willem (2123) p. 24, Pl. V, figs. 1–3.
1901. *Aphorura armata* Absolon (12) p. 97, Systematics.
1901. *Aphorura armata stalagmitorum* Absolon (12) p. 98, Systematics.
1901. *Aphorura gracilis* Absolon (11) p. 38, Czechoslovakia.
1901. *Aphorura gracilis* Absolon (12) p. 100, fig. 7, Systematics.
1901. *Anurophorus gracilis* Absolon (17) p. 213, Czechoslovakia.
1901. *Aphorura stalagmitorum* Absolon (18) p. 377, fig. 4, Europe.
1901. *Onychiurus armatus* Absolon (11) p. 38, Czechoslovakia.
1901. *Onychiurus stalagmitorum* Absolon (12) p. 86, figs. 1–3, Czechoslovakia.
1901. *Aphorura armata* Börner (231) p. 339, Germany.
1901. *Aphorura armata* Börner (234) p. 21, figs. 1, 7, Germany.
1901. *Lipura armata* Boyd (268) p. 317, Scotland.
1901. *Aphorura armata* Carl (354) p. 246, Switzerland.
1901. *Lipura armata* Evans (739) p. 156, Scotland.
1901. *Lipura armata* Evans (740) p. 153, Scotland.
1901. *Aphorura armata* Folsom (779) p. 159, Eastern U.S.A.
1901. *Aphorura armata* Krausbauer (1204) p. 95, Germany.
1902. *Aphorura armata* Becker (158) p. 24, Russia.
1902. *Onychiurus armatus* Becker (158) p. 19, Russia.
1902. *Onychiurus armatus* Börner (235) pp. 97, 104, fig. 5, Europe.
1902. *Aphorura armata* Skorikow (1835) p. 92, Spitzbergen.
1902. *Onychiurus armatus* Voights (2067) p. 523, Germany.
1903. *Onychiurus armatus* Ågren (55) p. 128, Sweden.
1903. *Onychiurus arcticus* Axelson (78) p. 4, Siberia.
1903. *Onychiurus armatus* Axelson (78) p. 4, Siberia.
1903. *Aphorura ambulans* Guthrie (951) p. 1, Minnesota.
1904. *Onychiurus armatus* Ågren (56) p. 11, Ad. description, Lapland.
1904. *Onychiurus armatus* Axelson (79) p. 68, Norway.
1904. *Lipura incerta* Hutton (1085) p. 234, New Zealand.
1905. *Onychiurus armatus* Axelson (81) p. 28, Tvarminne, Finland.
1905. *Onychiurus armatus* Axelson (82) p. 9, Reval, Russia.
1906. *Onychiurus armatus* Lie-Pettersen (1284) p. 59, Norway.
1906. *Onychiurus armatus* Wahlgren (2080) p. 248, fig. 17, Sweden.
1907. *Onychiurus armatus* Axelson (83) p. 129, Finland.

† Ridley's original description of this species, though not sufficient in details of sensory organs to identify this species accurately today, is nevertheless sufficiently good to establish its probable identity. During 1951 I collected extensively in Great Britain for Collembola and on many occasions found specimens of an *Onychiurus* of a yellow colour which faded in spirit exactly as described by Ridley. These specimens identified to Bagnall's *O. flavescens* and *O. flavidulus*, which species I have since shown, (1719) p. 132, to be synonyms of *Protaphorura armata*.

1907. *Onychiurus armatus* Börner (246) p. 102, Japan.
1907. *Onychiurus armatus* Wahlgren (2082) p. 222, Norway, Lapland.
1908. *Onychiurus armatus* Schille (1755) p. 7, Poland.
1909. *Onychiurus armatus* Axelson (84) p. 15, North Finland.
1909. *Onychiurus armatus arctica* Axelson (84) p. 15, Finland.
1909. *Onychiurus armatus* Wahlgren (2087) p. 180, Iceland.
1910. *Onychiurus armatus* Collinge (464) p. 7, England.
1910. *Onychiurus armatus* Collinge and Shoebotham (472) p. 102, fig. 2, England.
1910. *Lipura armata* Theobald (1964) p. 184, Gen. Economics.
1911. *Onychiurus armatus* Axelson (1291) p. 9, Norway.
1912. *Onychiurus armatus* Axelson (1292) p. 86, Finland.
1912. *Onychiurus armatus arctica* Axelson (1292) p. 87, Finland.
1912. *Aphorura armata* Dahl (496) p. 427, Ecology.
1912. *Onychiurus armatus* Schille (1756) p. 7, Galicia.
1914. *Onychiurus armatus* Caroli (362) p. 6, Libya.
1914. *Onychiurus armatus* Shoebotham (1820) p. 60, Ireland.
1916. *Onychiurus armatus* Bartholin (149) p. 183, Denmark.
1917. *Onychiurus armatus* Folsom (788) p. 644, Pl. 68, fig. 5, Pl. 73, figs. 43–51.
1917. *Onychiurus armatus arctica* Folsom (788) p. 644, Pl. 68, fig. 5; Pl. 73, figs. 43–51; North America.
1917. *Onychiurus pseudarmatus* Folsom (788) p. 646, Pl. 68, fig. 6; Pl. 74, figs. 52–60, North America.
1917. *Protaphorura armata* Shoebotham (1823) p. 221, England.
1918. *Onychiurus armatus* Brown (296) p. 185, England.
1918. *Aphorura armata* Henriksen and Lundbeck (1044) p. 739, Greenland.
1918. *Lipura armata* Henricksen and Lundbeck (1044) p. 739, Greenland.
1918. *Onychiurus armatus* Stach (1858) p. 207, in caves, Poland.
1919. *Onychiurus armatus* Axelson (1293) p. 6.
1919. *Onychiurus armatus* Handschin (977) p. 71, Switzerland, Siberia, Iceland, North America, Chile.
1919. *Onychiurus armatus* Wahlgren (2089) p. 745, Sweden.
1920. *Onychiurus armatus* Morris (1454) p. 147, Ecology.
1920. *Onychiurus armatus* Stach (1859) p. 146, Poland.
1920. *Onychiurus armatus* Wahlgren (2090) p. 1, Arctic.
1921. *Onychiurus armatus* Brown (300) p. 130, swarming.
1921. *Onychiurus armatus* Denis (607) p. 124, France.
1921. *Onychiurus armatus* Handschin (979) p. 17, figs. 19–22, Synonymy, Switzerland.
1921. *Onychiurus armatus* Kreis (1207) p. 276, Systematics.
1922. *Onychiurus armatus* Bristowe (278) p. 42, Jan Mayen I.
1922. *Onychiurus armatus* Carpenter and Phillips (404) p. 13, Bear I., Jan Mayen I., North Siberia, Scandinavia, Ireland, Finland, North and South America, Germany, Switzerland, Great Britain.
1922. *Onychiurus armatus arcticus* Carpenter and Phillips (404) p. 13, Spitzbergen, Bear I.
1922. *Onychiurus armatus* Denis (609) p. 111, Ile de Yeu, France.
1922. *Onychiurus armatus* Latzel (1250 p. 56, Austria.
1922. *Onychiurus armatus* Stach (1860) p. 8, Hungary.
1923. *Onychiurus armatus* Denis (611) p. 209, figs. 1–4, Synonymizes *L. incerta* Moniez.
1923. *Onychiurus armatus* Ionesco (1108) p. 373, Carpathians.
1923. *Onychiurus armatus stalagmitorum* Ionesco (1108) p. 374, Carpathians.
1923. *Onychiurus armatus* Womersley (2147) p. 31. S.W. England.
1924. *Onychiurus armatus* Denis (614) p. 291, France.
1924. *Onychiurus armatus* Handschin (981), p. 102, Switzerland.
1924. *Onychiurus armatus* Schött (1776) p. 7, Novaya Zemlya.
1924. *Onychiurus armatus* Thompson (1970) p. 360, Ecology.
1925. *Onychiurus armatus* Denis (617) p. 205, Italy.
1925. *Onychiurus armatus* Handlirsch (975) p. 410, fig. 308.
1925. *Onychiurus armatus* Handlirsch (976) p. 614, List of species.
1925. *Onychiurus armatus* Handschin (986) p. 231, Germany.
1925. *Onychiurus armatus* Handschin (987) p. 164, Morocco, Palearctic, Nearctic.
1925. *Lipura incerta* Tillyard (1975) p. 301, New Zealand.
1925. *Onychiurus armatus* Womersley (2148) p. 169. S.W. England.
1926. *Onychiurus armatus* Brown (305) p. 205, Mesopotamia.
1926. *Onychiurus armatus* Handschin (988) p. 21, figs. 14, 17, 26, 27.
1926. *Onychiurus armatus* Handschin (995) p. 125, Subterranean; (p. 134 differs from Carl's description).
1926. *Onychiurus armatus* Womersley (2153) p. 218, S.W. England.
1927. *Onychiurus armatus* Blake (189) p. 83, Ecology.
1927. *Onychiurus armatus arcticus* Carpenter (396) p. 197, Spitzbergen.
1927. *Onychiurus armatus* Denis (629) p. 187, Italy.
1927. *Onychiurus armatus* Handschin (999) p. 298, Westfalian peat bogs.
1927. *Onychiurus armatus* Morris (1457) p. 446, Ecology.
1927. *Onychiurus armatus* Womersley (2155) p. 39, Savenake Forest.
1928. *Onychiurus armatus* Handschin (1003) p. 126, East Prussia.
1928. *Onychiurus armatus* Jackson (1121) p. 301, England.
1928. *Onychiurus armatus* Krausse (1206) p. 118, Ecology.
1928. *Onychiurus armatus* Remy (1625) p. 62, Greenland.
1928. *Onychiurus armatus* Summerhayes & Elton (1939) p. 208, Spitzbergen.
1928. *Onychiurus armatus* Womersley (2154) p. 375, S.W. England.
1928. *Onychiurus armatus* Womersley (2159) p. 62, Lundy I., Devonshire.
1929. *Onychiurus armatus* Bonet (200) p. 798, Spain.
1929. *Onychiurus armatus* Buitendijk (333) p. 20, Cosmopolitan.
1929. *Onychiurus armatus* Edwards (715) p. 310, Ecology.
1929. *Onychiurus armatus* Handschin (1008) p. 46, Finland, Switzerland.
1929. *Onychiurus armatus* Spencer & Stracener (1855) p. 642, Economics.

1930. *Onychiurus armatus* Buitendijk (334) p. 56, Holland.
1930. *Onychiurus armatus* Mills (1414) p. 391, Agric. pest.
1930. *Onychiurus armatus* Spencer & Stracener (1856) p. 681, Economics.
1930. *Onychiurus armatus* Stach (1869) p. 284; probably cosmopolitan.
1930. *Onychiurus armatus* Womersley (2165) p. 33, Lake District, England.
1930. *Onychiurus armatus* Womersley (2168) p. 172, Ireland.
1931. *Onychiurus armatus* Bonet (205) p. 252, in caves, Spain.
1931. *Onychiurus gracilis* Bonet (205) p. 379, Czechoslovakia.
1931. *Onychiurus stalagmitorum* Bonet (205) p. 379, Czechoslovakia, Carpathians.
1931. *Onychiurus armatus* Denis (637) p. 10, in caves, Italy.
1931. *Onychiurus armatus* Denis (639) p. 208, Reference List, Germany.
1931. *Onychiurus armatus* Lindroth (1286) p. 128, Iceland.
1931. *Onychiurus armatus* Schött (1780) p. 70, Scandinavia.
1932. *Onychiurus armatus* Krogerus (1210) p. 93, Finland.
1932. *Onychiurus armatus* Lengersdorf (1273) p. 52, in caves, Switzerland.
1932. *Onychiurus armatus* Lengersdorf (1274) p. 63, in caves in Switzerland.
1932. *Onychiurus armatus* Turk (2006) p. 830, habits, England.
1933. *Onychiurus armatus* Denis (644) p. 211, Yugoslavia.
1933. *Onychiurus armatus* Folsom (802) p. 937, Agric. pest.
1933. *Onychiurus armatus* James (1124) p. 86, Canada.
1933. *Onychiurus armatus* Mills & Rolfs (1431) p. 79, Washington, D.C.
1933. *Onychiurus armatus* Schubert (1787) p. 181, Ecology.
1933. *Onychiurus armatus* Schubert (1789) p. 1, Ecology, Germany.
1933. *Onychiurus aurantiaca* Turk (2007) p. 97, Britain.
1933. *Onychiurus armatus* Womersley (2176) p. 66, fig. 8, Australia.
1934. *Onychiurus armatus* Ågrell (37) p. 221, Ecology, Sweden.
1934. *Onychiurus armatus* Davies (522) p. 119, Wales.
1934. *Onychiurus octopunctatus edenticulata* Davies (521) p. 92, Scotland.
1934. *Onychiurus armatus* Davis (526) p. 100, Britain.
1934. *Onychiurus armatus* Durkop (707) p. 496, Cosmopolitan.
1934. *Onychiurus armatus* Griepenburg (941) p. 37.
1934. *Onychiurus armatus* Jorgensen (1145) p. 7, Greenland.
1934. *Onychiurus armatus* Mills (1417) p. 32, Iowa, U.S.A., Europe.
1934. *Lipura armata* Perrier (1576) p. 34, France.
1934. *Onychiurus armatus* Speyer (2396), Agric. pest.
1934. *Onychiurus armatus* Stach (1876) p. 122, Pl. 25, European caves, Poland, Italy, Germany, Hungary.
1934. *Onychiurus armatus stalagmitorum* Stach (1876) p. 127.
1934. *Onychiurus armatus* Volz (2069) p. 170, Ecology.
1934. *Onychiurus armatus* Womersley (2177) p. 468, Cosmopolitan, Europe, South Africa, Zanzibar, Morocco.
1935. *Onychiurus armatus* Axelson (1295) p. 139, Spitzbergen.
1935. *Onychiurus daviesi* Bagnall (110) p. 113, Scotland.
1935. *Onychiurus flavescens* Bagnall (110) p. 115, Scotland.
TYPE: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus flavescens* Bagnall (113) p. 101, Britain.
1935. *Onychiurus armatus* Denis (652) pp. 330, 336, Yugoslavia.
1936. *Onychiurus armatus* Ford (809) p. 198, Ecology.
1935. *Onychiurus armatus* Griepenburg (942) p. 23, Germany.
1935. *Onychiurus armatus* Pax & Maschke (1573) p. 12, Europe.
1935. *Onychiurus armatus* Schubert (1790) p. 94, Ecology, Europe.
1935. *Onychiurus armatus* Schubert (1791) pp. 107, 198, 233, 367, Ecology, Germany, Czechoslovakia.
1935. *Onychiurus armatus* Volz (2070) p. 143, Microscope Techniques.
1936. *Onychiurus armatus* Axelson (1297) p. 21, N.E. Greenland.
1936. *Onychiurus armatus* Bornebusch (227) p. 39, Denmark.
1936. *Onychiurus armatus* Heidt (1039) p. 100, Physiology (bioluminescence).
1936. *Onychiurus armatus* Pax & Maschke (1574), p. 142, Ecology.
1936. *Onychiurus armatus* Stammer (1900) p. 211, Schneebergholen, fauna.
1936. *Onychiurus armatus* Tarsia in Curia (1951) p. 21, Italy.
1937. *Onychiurus armatus* Bagnall (116) p. 87, Scotland.
1937. *Onychiurus daviesi* Bagnall (116) p. 90, Scotland.
TYPE: Brit. Mus. Nat. Hist., London.
1937. *Onychiurus waterstoni* Bagnall (116) p. 145, Scotland.
TYPE: Brit. Mus. Nat. Hist., London.
1937. *Onychiurus armatus* Brown (316) p. 516, Iceland.
1937. *Onychiurus armatus* Drenowski (695) p. 2, Bulgaria.
1937. *Onychiurus armatus* Frenzel (828) p. 296, fig. 119, Ecology.
1937. *Onychiurus gracilis* Frenzel (828) p. 316, Ecology.
1937. *Onychiurus stalagmitorum* Frenzel (828) p. 316, Ecology.
1937. *Onychiurus armatus* Hammer (966) p. 10, East Greenland.
1937. *Onychiurus armatus* Henriksen (1043) p. 2, distribution, Faroes.
1937. *Onychiurus armatus* Kseneman (1217) p. 468, Carpathians.
1937. *Onychiurus makarensis* Salmon (1674) p. 352, New Zealand.
TYPE: Dom. Mus., Wellington, N.Z.
1937. *Onychiurus armatus* Schubert (1792) p. 125, Cosmopolitan.
1938. *Onychiurus armatus* Denis (665) p. 99, Italy.
1938. *Onychiurus armatus* Hammer (968) p. 15, East Greenland.
1938. *Onychiurus armatus* Kseneman (1220) p. 11, Cosmopolitan.
1938. *Onychiurus armatus* Strebel (1917) p. 123, Germany. Ecology.
1939. *Onychiurus flavidulus* Bagnall (119) p. 94, Britain.
TYPE and PARATYPES: Brit. Mus. Nat. Hist., London.
1939. *Onychiurus flavidulus* Bagnall (120), p. 197, Britain.

1939. *Onychiurus armatus* Bueker (332) p. 1, St. Louis.
1939. *Onychiurus armatus* Griepenburg (943) p. 21, Germany.
1939. *Onychiurus armatus* Griepenburg (944) p. 77, cave Collemb.
1939. *Onychiurus armatus* Kos (1196) p. 266, figs. 1–9, distribution, Yugoslavian Alps.
1939. *Onychiurus armatus* Mills (1422) p. 159, North America.
1939. *Onychiurus armatus* Stach (1881) p. 398, Glatzer Schneeberg, hölen-fauna.
1939. *Onychiurus armatus* Strouhal (1931) p. 262, Ecology.
1939. *Onychiurus armatus* Womersley (2190) p. 125, fig. 49, Australia.
1940. *Onychiurus armatus* Harvey (2374) p. 1, Physiology (bioluminescence).
1940. *Onychiurus armatus* Strouhal (1932) p. 398, Ecology.
1941. *Onychiurus armatus* Ågrell (46) p. 19, Swedish Lapland.
1941. *Onychiurus armatus* Buitendijk (336) p. 27, fig. 6, distribution, Netherlands.
1941. *Onychiurus armatus* Griepenburg (945) p. 57, cave Collemb.
1941. *Onychiurus armatus* Griepenburg (946) p. 75, cave Collemb.
1941. *Onychiurus armatus* Kos (1198) p. 92, Yugoslavia.
1941. *Onychiurus armatus* Salmon (1676) p. 309, figs. 122–126, New Zealand.
1942. *Onychiurus* (*Lipura*) *armatus* Caspers (408) p. 150, Heligoland I.
1942. *Onychiurus armatus* Handschin (1012) p. 445, Mesopotamia, Palestine, North Africa.
1942. *Onychiurus armatus* Marlier (1375) p. 8, Belgium.
1942. *Onychiurus armatus* Muhlmann (1467) p. 195, Europe.
1942. *Onychiurus armatus* Scott (1796) p. 178, West U.S.A.
1942. *Onychiurus armatus* Womersley (2193) p. 24, New Zealand.
1943. *Onychiurus armatus* Ågrell (47) p. 125, Sweden.
1943. *Onychiurus armatus* Gisin (853) p. 151, Switzerland.
1943. *Onychiurus armatus* Strebel (1919) p. 117, Germany.
1943. *Onychiurus armatus* Tarsia in Curia (1956) p. 49, in caves, Italy.
1944. *Onychiurus armatus* Hammer (969) p. 61, North America, Iceland, Greenland, Spitzbergen, Lapland, Finland, Europe.
1944. *Onychiurus armatus* Tuxen (2010) p. 143, Iceland.
1945. *Onychiurus armatus* Ågrell (50) p. 10, habits, Sweden, Norway.
1947. *Onychiurus armatus* Del. Deb. (550) p. 134, France.
1947. *Onychiurus armatus armatus* Gisin (866) p. 78, Switzerland.
1948. *Onychiurus armatus* Franz & Beier (821) p. 448, Ecology, Austria.
1948. *Onychiurus armatus* Gisin (867) p. 81, Switzerland.
1948. *Onychiurus armatus* Leleup (1270) p. 10, Belgium.
1948. *Protaphorura armata* Salt, etc. (1724) p. 145, Ecology.
1948. *Onychiurus armatus* Weis-Fogh (2109) p. 200, Table 8, Denmark.
1949. *Onychiurus armatus* Janetschek (1127) pp. 41, 135–143. Ecology.
1949. *Onychiurus armatus* Schaller (1742) p. 268.
1949. *Onychiurus armatus* Strenzke (1922) p. 206, Ecology, Germany.
1950. *Onychiurus armatus* Brown (320) p. 88, Collemb. as food.
1950. *Onychiurus armatus* Del. Deb. (570) pp. 44, 238, 281, France.
1950. *Onychiurus armatus* Gisin (876) p. 94, in caves, Italy.
1950. *Onychiurus armatus* Schindler (1758) p. 525, Ecology.
1950. *Onychiurus armatus* Wray (2216) p. 61, Utah.
1951. *Onychiurus armatus* Del. Deb. & Cass. (593) p. 400, France.
1951. *Onychiurus armatus* Del. Deb. & Gisin (597) p. 134, in caves, Italy.
1951. *Onychiurus armatus* Gisin (877) p. 85, Switzerland.
1951. *Onychiurus armatus* Maynard (1393) p. 74, Pl. VIII, New York.
1951. *Onychiurus armatus* Paclt (1536) p. 164, Czechoslovakia.
1951. *Onychiurus armatus* Praport (1610) p. 140, Poland.
1951. *Onychiurus armatus* Schaller (1746) p. 463, Ecology.
1951. *Onychiurus armatus* Stach (1889) p. 60, figs. 9-H, 17, 29, Poland.
1951. *Onychiurus armatus* Van der Drift (2055) p. 92, Ecology.
1951. *Onychiurus armatus* Wilkey (2120) p. 79, Colorado.
1952. *Onychiurus armatus* Aellen (31) p. 145, Switzerland.
1952. *Onychiurus armatus* Baudissin (152) p. 54, Ecology.
1952. *Onychiurus armatus* Gisin (882) p. 7, figs. 2–5, Morphology.
1952. *Onychiurus armatus* Hammer (971) p. 413, soil fauna, Greenland.
1952. *Lipura armata* Harvey (1025) p. 367, Physiology (bioluminescence).
1952. *Onychiurus armatus* Harvey (1025) p. 368, Physiology.
1952. *Onychiurus armatus* MacFadyen (1337) p. 94, Ecology, England.
1952. *Onychiurus armatus* Massera (1382) p. 29, in caves, Italy.
1952. *Onychiurus armatus* Mihelcic (1406) p. 96, Ecology.
1953. *Onychiurus armatus* Cassagnau (415) p. 65, France.
1953. *Onychiurus armatus* Del. Deb. (584) p. 300, East Pyrénées.
1953. *Onychiurus armatus* Franz (819) p. 456, Gen. Economics.
1953. *Onychiurus armatus* Hammer (972) p. 40, fig. 16, North Canada, Alaska.
1953. *Onychiurus armatus* Mills & Richards (1430) p. 54, North Canada.
1953. *Onychiurus armatus* Ruppel (1670) p. 432, Physiology.
1953. *Onychiurus armatus* Weidner (2108) p. 32, Central Europe.
1954. *Onychiurus armatus* Bellinger (174) p. 17, Connecticut.
1954. *Onychiurus armatus* Cassagnau (415) p. 66, Pyrénées.
1954. *Onychiurus armatus* Del. Deb. (589) pp. 435, 451, France.
1954. *Onychiurus armatus* Stach (1891) p. 123, Poland.

1954. *Onychiurus armata stalagmitorum* Stach (1891) p. 130, abnormal form = *O. armatus.*
1954. *Onychiurus flavidus* Stach (1891), p. 36, diagnosed as *O. flavescens.*
1955. *Onychiurus armatus* Cassagnau (420) p. 35, France.
1955. *Onychiurus armatus* Cassagnau & Del. Deb. (428) p. 367, Lebanon.
1955. *Onychiurus armatus* Chopard (434) p. 19, France.
1955. *Onychiurus armatus* Ehrehardt & Schneider (717) p. 358, Physiology, Insecticides.
1955. *Onychiurus armatus* Gridelli (938) p. 36, Venice.
1955. *Onychiurus armatus* Pistor (1594) p. 513, Physiology.
1955. *Onychiurus armatus* Strenzke (1926) p. 30, Europe.
1955. *Onychiurus daviesi* Strenzke (1926) p. 29, Germany, Sweden, Jan Mayen I.
1956. *Onychiurus armatus* Bockemuhl (193) p. 135, Spitzbergen.
1956. *Onychiurus armatus* Christiansen (443) p. 126, Lebanon.
1956. *Onychiurus armatus* Gisin (897), p. 338, Europe.
1956. *Onychiurus armatus* Grindbergs (2274) p. 134, Latvia.
1956. *Onychiurus armatus* Goto (926) p. 7, Outer Hebrides.
1956. *Onychiurus* (*Onychiurus*) *armatus* Husmann (1084) p. 145, Germany.
1956. *Onychiurus armatus* Paclt (1540) p. 354, Europe.
1956. *Onychiurus armatus* Paclt (1541) pp. 35, 84, 109, fig. 46.
1956. *Onychiurus armatus* van Rossem (1667) p. 95, Agric. pest.
1956. *Onychiurus armatus* Stevanovic (1903) p. 4, Yugoslavia.
1956. *Onychiurus armatus* Wray & Knowlton (2214) p. 2, Idaho.
1957. *Onychiurus armatus* Bödvarsson (224) p. 15, Iceland.
1957. *Onychiurus armatus* Bornemissza (228) p. 9, West Australia.
1957. *Onychiurus armatus* Gisin (898) p. 110, Switzerland.
1957. *Onychiurus armatus* Gunhold (2280) p. 467, Ecology.
1957. *Onychiurus armatus* Haarlon (2281) p. 14, habitat, Denmark.
1957. *Onychiurus armatus* Mayer (1390), p. 503, *et seq.*, Biology.
1957. *Onychiurus armatus* Paclt (1543) p. 2, Europe.
1957. *Onychiurus armatus* Paclt (1544) p. 270, Czechoslovakia.
1957. *Onychiurus armatus* Selga (1805) p. 114, Galicia.
1957. *Onychiurus armatus* Strebel (1920) p. 470, Ecology.
1958. *Onychiurus armatus* Grindbergs (2275) p. 11, Latvia.
1958. *Onychiurus armatus* Grindbergs (2277) p. 193, Latvia.
1958. *Onychiurus armatus* Holler-Land (2283) p. 110, Ecology.
1958. *Onychiurus armatus* Kholova (1169) p. 234, Bohemia.
1958. *Onychiurus armatus* Nosek (1503) p. 357, Czechoslovakia.
1958. *Onychiurus armatus* Palissa (2318) p. 467, Germany.
1958. *Onychiurus armatus* Schaller (2330) p. 202, Physiology.
1959. *Onychiurus armatus* Bödvarsson (2253) p. 225, fig. 1, Systematics.
1959. *Onychiurus armatus* Da Gama (2266) p. 12, Portugal.
1959. *Onychiurus armatus* Franz, Gunhold, etc. (2369) p. 50, Ecology (communities).
1959. *Onychiurus armatus* Haybach (2375) Tab. VIII, Ecology.
1959. *Onychiurus armatus* Holler-Land (2284) p. 426, Ecology, Germany.
1959. *Onychiurus armatus* Muller (2309) p. 249, Ecology.
1959. *Onychiurus armatus* Paclt (2317) p. 338, Cosmopolitan.
1959. *Onychiurus armatus* Poole (1604) p. 72, Food of Collembola.
1959. *Protaphorura armata* Salmon (1719) p. 132, fig. 11, redescription.
1959. *Onychiurus armatus* Stach (1896) p. 7, Poland.
1959. *Onychiurus armatus* Steiner (2343) p. 459, Spain.
1959. *Onychiurus armatus* Tuxen (2011) p. 390, figs. 8–11, 16, 19, Morphology.
1959. *Onychiurus armatus* Wilkey (2350) p. 223, California.
1960. *Onychiurus armatus* Bödvarsson (2412) p. 174, Faroes.
1960. *Onychiurus armatus* Gisin (2271) p. 119, figs. 233, 234, Europe.
1960. *Aphorura gracilis* Grindbergs (2373) p. 64, U.S.S.R.
1960. *Onychiurus* (*Protaphorura*) *armatus* Grindbergs (2373) p. 64, U.S.S.R.
1960. *Onychiurus armatus* Loksa (1310) p. 380, Ecology.
1960. *Onychiurus armatus* Paclt (2391) p. 156, Hungary.

Protaphorura armata arctica (Tullberg) 1876, nov. comb.

1876. *Lipura arctica* Tullberg (2004) p. 39, Pl. XI, figs. 47–50; Novaya Zemlya.
1893. *Lipura incerta* Moniez (1452) p. 211, New Zealand.
1894. *Lipura arctica* Schaeffer (1733) p. 129–, Spitzbergen.
1894. *Lipura arctica* Schött (1765) p. 87, Siberia.
1898. *Lipura arctica* Lie-Pettersen (1282) p. 14, Norway.
1898. *Lipura arctica* Lubbock (1324) p. 619, Spitzbergen.
1899. *Aphorura arctica* Scherbakow (1754) p. 47, Spitzbergen.
1899. *Aphorura arctica* Wahlgren (2075) p. 337, Bear I, Spitzbergen.
1900. *Aphorura arctica* Axelson (75) p. 108, Finland.
1900. *Aphorura arctica* Schaeffer (1735) p, 241, Siberia, Spitzbergen.
1900. *Aphorura arctica* Skorikow (1833) p. 200, Spitzbergen.
1900. *Aphorura arctica* Wahlgren (2076) p. 7, Bering Island.
1900. *Aphorura arctica* Wahlgren (2077) p. 357, Greenland.
1902. *Aphorura arctica* Skorikow (1835) p. 94, Spitzbergen.
1904. *Onychiurus armatus arcticus* Ågren (56) p. 12, Lapland.
1904. *Onychiurus arcticus* Axelson (78) p. 4, Siberia.
1907. *Onychiurus armatus arcticus* Axelson (83) p. 129, Finland.
1912. *Onychiurus armatus arcticus* Axelson (1292) p. 87, Finland.

1917. *Onychiurus pseudarmatus* Folsom (788) p. 637, North America.
1922. *Onychiurus armatus arcticus* Carpenter & Phillips (404) p. 13, Spitzbergen, Bear I.
1924. *Onychiurus armatus arcticus* Denis (616) p. 224, Sassenbay.
1924. *Onychiurus armata arctica* Schött (1776) p. 8, Novaya Zemlya.
1927. *Onychiurus armatus arcticus* Carpenter (396) p. 197, Spitzbergen.
1928. *Onychiurus armatus arcticus* Summerhayes & Elton (1939) p. 216, Spitzbergen.
1931. *Onychiurus armatus arcticus* Denis (638) p. 106, Costa Rica.
1934. *Onychiurus armatus arctica* Stach (1876) p. 127, Systematics.
1936. *Onychiurus armatus arcticus* Brown (313) p. 63, West Spitzbergen.
1936. *Onychiurus armatus arcticus* Brown (314) p. 612, Lapland.
1936. *Onychiurus armatus arcticus* Davies (525) p. 88, Nth. Iceland.
1937. *Onychiurus armatus arcticus* Brown (316) p. 516, West Greenland.
1944. *Onychiurus armatus arcticus* Ågrell (46) p. 19, Swedish Lapland.
1944. *Onychiurus armatus arcticus* Hammer (593) p. 61, North America, Greenland, Iceland, Lapland, Finland, Arctic Siberia.
1953. *Onychiurus arcticus* Gisin (885) p. 231, Ad. description, Jan Mayen I.
1954. *Onychiurus arcticus* MacFadyen (1339) p. 290, Jan Mayen I.
1959. *Onychiurus arcticus* Stach (1896) p. 71, Spitzbergen.
1960. *Onychiurus arcticus* Gisin (2271) p. 124, Arctic.
1960. *Onychiurus* (*Protaphorura*) *arcticus* Grindbergs (2373) p. 34, U.S.S.R.

Protaphorura armata crassa (Kos) 1940, nov. comb.

1940. *Onychiurus armatus crassus* Kos (1197) p. 150, figs. 19–25, Yugoslavia.

Protaphorura armata denticulata (Handschin) 1924.

1924. *Onychiurus armatus denticulatus* Handschin (981) p. 104, Switzerland.
1932. *Onychiurus armatus denticulata* Kseneman (1211) p. 14, fig. 12, Europe.
1934. *Onychiurus armatus denticulata* Stach (1876) p. 127.
1937. *Onychiurus subaequalis* Bagnall (116) p. 88, Scotland.
1937. *Onychiurus armatus denticulata* Frenzel (828) p. 296, Ecology.
1937. *Onychiurus armatus denticulata* Kseneman (1217) p. 468, Carpathians.
1938. *Onychiurus armatus denticulata* Kseneman (1219) p. 108, Czechoslovakia.
1938. *Onychiurus armatus denticulata* Kseneman (1220) p. 11, Czechoslovakia.
1938. *Onychiurus armatus denticulata* Strebel (1917) p. 123, Ecology, Germany.
1939. *Onychiurus armatus denticulata* Kos (1196) p. 272, figs. 10–14, Alps, Yugoslavia.
1941. *Onychiurus armatus denticulata* Kos (1198) p. 93, Yugoslavia.
1942. *Onychiurus armatus denticulata* Muhlmann (1467) p. 195, Europe.
1949. *Onychiurus armatus denticulata* Strenzke (1922) p. 206, Ecology, Germany.
1958. *Onychiurus armatus denticulata* Grindbergs (2277) p. 193, Latvia.
1959. *Protaphorura armata denticulata* Salmon (1719) p. 134, fig. 12, Ad. description.

Protaphorura armata furcifera (Schött) 1924 nov. comb.

1924. *Onychiurus armatus furcifera* Schött (1776) p. 8, Novaya Zemlya.
1934. *Onychiurus armatus furcifera* Stach (1876) p. 127.

Protaphorura armata inermis (Alexson) 1905.

1905. *Onychiurus armatus inermis* Axelson (80) p. 790, Finland.
1907. *Onychiurus armatus inermis* Axelson (83) p. 129, Finland.
1912. *Onychiurus armatus inermis* Axelson (1292) p. 88, Finland.
1919. *Onychiurus armatus inermis* Handschin (977) p. 71, Switzerland.
1920. *Onychiurus armatus inermis* Handschin (979) p. 19, Switzerland, Finland.
1924. *Onychiurus armatus inermis* Handschin (981) p. 104, Switzerland.
1926. *Onychiurus armatus inermis* Womersley (2153) p. 218, S.W. England.
1933. *Protaphorura armatus inermis* Turk (2007) p. 93, Britain.
1934. *Onychiurus armatus inermis* Durkop (707) p. 496, Finland, Germany.
1934. *Onychiurus armatus inermis* Stach (1876) p. 127.
1941. *Onychiurus armatus inermis* Salmon (1676) p. 309, New Zealand.
1942. *Onychiurus furcifer inermis* Muhlmann (1467) p. 200, *lapsus calami*.
1943. *Onychiurus armatus inermis* Tarsia in Curia (1956) p. 49, in caves, Italy.
1958. *Onychiurus armatus inermis* Grindbergs (2277) p. 193, Latvia.

Protaphorura armata islandica (Bodvarsson) 1959, nov. comb.

1959. *Onychiurus armatus islandica* Bodvarsson *in litt.*, Iceland.
1960. *Onychiurus islandicus* Gisin (2371) p. 313, Taxonomy.

Protaphorura armata multipunctata (Absolon) 1900, nov. comb.

1900. *Aphorura armata multipunctata* Absolon (8) p. 406, fig. 1, Europe.
1901. *Aphorura armata multipunctata* Absolon (12) p. 98, fig. 4.
1931. *Onychiurus armatus multipunctatus* Denis (638) p. 110.
1934. *Onychiurus armatus multipunctata* Stach (1876) p. 128, Czechoslovakia.
1937. *Onychiurus multipunctatus* Frenzel (828) p. 316, Ecology.

Protaphorura armata multituberculata (Stach) 1934, nov. comb.

1934. *Onychiurus armatus multituberculatus* Stach (1876) p. 127, Germany.
1935. *Onychiurus armatus multituberculata* Griepenberg (942) p. 22, Germany.
1954. *Onychiurus armatus multituberculatus* Stach (1891) p. 132, Pl. XII, figs. 7–8, Poland, Germany.
1957. *Onychiurus armatus multituberculatus* Paclt (1544) p. 273, Czechoslovakia.
1959. *Onychiurus armatus multituberculatus* Stach (1896) p. 7, Poland.
1960. *Onychiurus* (*Protaphorura*) *armatus multituberculatus* Grindbergs (2373) p. 34, U.S.S.R.

Protaphorura armata parumpunctata (Schaeffer) 1897, nov. comb.

1897. *Aphorura armata parumpunctata* Schaeffer (1735) p. 162, Germany.
1901. *Aphorura furcifer* Börner (231) p. 424, Sicily.
1931. *Onychiurus parumpunctatus* Denis (638) p. 106, Russia, Finland, Germany, England, France.
1931. *Onychiurus parumpunctatus* Denis (639) p. 209, Synonymy.
1934. *Onychiurus armatus parumpunctata* Stach (1876) p. 127, England, Sweden, Russia, France, Germany, Finland.
1943. *Onychiurus parumpunctatus* Gisin (853) p. 152, Switzerland.
1949. *Onychiurus parumpunctatus* Strenzke (1922) p. 206, Ecology, Germany.

Protaphorura armata quadriocellata (Gisin) 1947, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1947. *Onychiurus armatus quadriocellatus* Gisin (866) p. 78, Switzerland.

Protaphorura armata trispina (Axelson) 1935, nov. comb.

1935. *Onychiurus armatus trispina* Axelson (1295) p. 139, Spitzbergen.

Protaphorura asensitiva (Kos) 1939, nov. comb.

1939. *Onychiurus octopunctatus* Kos (1196) p. 263, Yugoslavia.
Cf. p. 76, Yugoslavia.
1960. *Onychiurus asensitivus* Gisin (2271) p. 122, Yugoslavia.

Protaphorura austriaca (Butschek) 1948, nov. comb.

1948. *Onychiurus austriacus* Butschek (341) p. 30, fig. 4 a-h, European Alps.
1952. *Onychiurus austriacus* Gisin (882) p. 12, Switzerland.
1959. *Onychiurus austriacus* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus austriacus* Gisin (2271) p. 117, Austria, Switzerland.

Protaphorura bicampata (Gisin) 1956, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus bicampatus* Gisin (897) p. 344, Scandinavia.
1959. *Onychiurus bicampatus* Bodvarsson (2253) p. 243, Scandinavia.
1960. *Onychiurus armatus bicampatus* Bodvarsson (2412) p. 174, Faroes.
1960. *Onychiurus bicampatus* Gisin (2271) p. 115, Scandinavia.

Protaphorura boldorii (Denis) 1937, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1937. *Onychiurus boldorii* Denis (663) p. 53, in caves, Italy.
1938. *Onychiurus boldorii* Denis (665) p. 102, fig. 1, Italy.
1960. *Onychiurus boldorii* Gisin (2271) p. 147, Yugoslavia.

Protaphorura caledonica (Bagnall) 1935.

TYPE and COTYPES: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus caledonicus* Bagnall (111) p. 61, Britain.
1935. *Onychiurus caledonicus* Bagnall (110) p. 113, Scotland.
1935. *Onychiurus caledonicus* Bagnall (113) p. 101, Britain.
1959. *Protaphorura caledonica* Salmon (1719) p. 136, figs. 13–16, Ad. description.

Protaphorura campata (Gisin) 1952, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus campatus* Gisin (882) p. 12, Switzerland.
1956. *Onychiurus campatus* Gisin (896) p. 8, Geneva.
1956. *Onychiurus campatus* Gisin (897) p. 342, Switzerland.
1958. *Onychiurus campatus* von Torne (1993) p. 662, Austria.
1959. *Onychiurus campatus* Bodvarsson (2253) p. 243.
1959. *Onychiurus campatus* Muller (2309) p. 249, Ecology.
1959. *Onychiurus campatus* Winner (2351) p. 67, Economics.
1960. *Onychiurus campatus* Gisin (2271) p. 116, fig. 229, Europe.

Protaphorura cancellata (Gisin) 1956, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus cancellatus* Gisin (897) p. 338, Copenhagen.
1957. *Onychiurus cancellatus* Haarlon (2281) p. 14, habitat, Denmark.
1960. *Onychiurus cancellatus* Gisin (2271) p. 117, Denmark.

Protaphorura carpatica (Kseneman) 1937, nov. comb.

1937. *Onychiurus carpaticus* Kseneman (1217) p. 464, Czechoslovakia.
1954. *Onychiurus carpaticus* Stach (1891) pp. 34, 106, Pl. VIII, Carpathians.
1958. *Onychiurus carpaticus* Nosek (1503) p. 357, Czechoslovakia.
1960. *Onychiurus carpaticus* Gisin (2271) p. 128, Carpathians.
1960. *Onychiurus* (*Protaphorura*) *carpaticus* Grindbergs (2373) p. 34, U.S.S.R.

Protaphorura carpenteri (Stach) 1920, nov. comb.

1920. *Onychiurus carpenteri* Stach (1859) p. 152, Pl. 6, figs. 26, 27, Poland.
1930. *Onychiurus carpenteri* Stach (1869) p. 286, Piening Mts.
1954. *Onychiurus carpenteri* Stach (1891) p. 120, Pl. XI, Poland.
1960. *Onychiurus carpenteri* Gisin (2271) p. 113, Poland.

Protaphorura churchilliana (Hammer) 1953, nov. comb.

TYPE: Author's Pers. Colln.
1953. *Onychiurus churchilliana* Hammer (972) p. 44, fig. 20, North Carolina.
1960. *Onychiurus churchilliana* Murphy (2386) p. 51, Systematics.

Protaphorura cribrosa (Gisin) 1957, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus cribrosus* Gisin (900) p. 483, fig. 7, Switzerland.
1960. *Onychiurus cribrosus* Gisin (2270) p. 92, Switzerland.
1960. *Onychiurus cribrosus* Gisin (2271) p. 134, Switzerland.

Protaphorura decempunctata (Kos) 1939, nov. comb.

TYPE: Nat. Mus., Ljubljana, Yugoslavia.
1939. *Onychiurus decempunctatus* Kos (1196) p. 292, figs. 42–50, Yugoslavia.
1941. *Onychiurus decempunctatus* Kos (1198) p. 92, Yugoslavia.
1960. *Onychiurus decempunctatus* Gisin (2271) p. 123, Yugoslavia.

Protaphorura discrepens (Handschin) 1920, nov. comb.
1920. *Onychiurus octopunctatus* Handschin (979) p. 20, figs. 27–34, Switzerland.
1930. *Onychiurus octopunctatus* Womersley (2168) p. 172, Ireland.
1935. *Onychiurus octopunctatus* Bagnall (110) p. 114, Scotland.
1948. *Protaphorura discrepans* Bagnall (125) p. 641, Scotland, Switzerland.
1959. *Protaphorura discrepens* Salmon (1719) p. 154, Ad. description.

Protaphorura duodecimpunctata (Folsom) 1919, nov. comb.
TYPE: Nat. Colln. Insects, Ottawa, Canada.
1919. *Onychiurus duodecimpunctatus* Folsom (791) p. 6A, Pl. 4, figs. 31, 32, N.W. Arctic Canada.
1922. *Onychiurus duodecimpunctatus* Bristowe (278) p. 42, Jan Mayen I.
1932. *Onychiurus duodecimpunctatus* Brown (312) p. 339, Arctic.
1953. *Onychiurus duodecimpunctatus* Hammer (972) p. 46 and figs; Ad. description, North Canada.
1953. *Onychiurus duodecimpunctatus* Mills & Richards (1430) p. 54, North Canada.

Protaphorura eichorni (Gisin) 1954, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1954. *Onychiurus eichorni* Gisin (887) p. 51, Luxembourg.
1960. *Onychiurus eichorni* Gisin (2271) p. 123, Europe.

Protaphorura encarpata (Denis) 1931, nov. comb.
TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1931. *Onychiurus encarpatus* Denis (638) p. 102, Costa Rica.
1933. *Onychiurus encarpatus* Denis (645) p. 232, Ad. description.
1934. *Onychiurus encarpatus* Mills (1417) p. 32, Iowa.
1942. *Onychiurus encarpatus* Mills (1423) p. 4, North Carolina.
1959. *Onychiurus encarpatus* Wilkey (2350) p. 223, California.

Protaphorura fimata (Gisin) 1952, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus fimatus* Gisin (882) p. 11, Switzerland.
1956. *Onychiurus fimatus* Gisin (895) p. 12, Geneva.
1956. *Onychiurus fimatus* Gisin (897) p. 342, Switzerland.
1958. *Onychiurus fimatus* Mrohs (1463) p. 325, Ecology.
1958. *Onychiurus fimatus* von Torne (1993) p. 663, Austria.
1960. *Onychiurus fimatus* Gisin (2271) p. 115, Europe.

Protaphorura franzi (Stach) 1946, nov. comb.
1946. *Onychiurus franzi* Stach (1884) p. 11, Pl. IV, figs. 1–3, Styrian Alps.
1960. *Onychiurus franzi* Gisin (2271) p. 125, Austria.

Protaphorura furcifera (Börner) 1901
TYPE: Brit. Mus. Nat. Hist., London.
1901. *Aphorura furcifera* Börner (232) p. 3, Germany.
1901. *Aphorura furcifera* Börner (234) p. 22, Pl. II, fig. 1, Germany.
1901. *Aphorura furcifera* Krausbauer (1204) p. 95, Germany.
1905. *Onychiurus furcifer* Axelson (81) p. 27, Tvarminne, Finland.
1905. *Onychiurus furcifer* Axelson (82) p. 9, Revals. Russia.
1907. *Onychiurus furcifer* Axelson (83) p. 129, Finland.
1911. *Onychiurus furciferus* Shoebotham (1819) p. 33, England.
1912. *Onychiurus furcifer* Axelson (1292) p. 85, Finland.
1923. *Onychiurus armatus furcifera* Schött (1776) p. 1, Arctic.
1925. *Onychiurus furcifer* Denis (619) p. 145, France.
1925. *Onychiurus furcifer* Handschin (981) p. 231, Germany, Finland, England, Switzerland, Novaya Zemlya.
1929. *Onychiurus furcifer* Handschin (1008) p. 45, fig. 71, Russia, England, Mid-Europe.
1931. *Onychiurus parumpunctatus* Denis (639) p. 197, Europe.
1934. *Onychiurus parumpunctatus* Durkop (707) p. 496, Finland.
1935. *Onychiurus scoticus* Bag. (110) p. 112, Scotland.
TYPE: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus scoticus* Bagnall (111) p. 63, Scotland.
1935. *Onychiurus scoticus* Bagnall (113) p. 101, Britain.
1936. *Onychiurus furcifer* Nordberg (1500) p. 34, Ecology.
1936. *Onychiurus furcifer* Tarsia in Curia (1951) p. 21, Italy.
1937. *Onychiurus celticus* Bagnall (116) p. 89, Scotland.
PARATYPES ?: Brit. Mus. Nat. Hist., London.
1939. *Onychiurus furcifer* Ågrell (44) p. 161, Sweden, Finland, Russia, Germany, Switzerland.
1943. *Onychiurus furcifer* Ågrell (47) p. 125, Sweden.
1945. *Onychiurus furcifer* Ågrell (50) p. 11, habitat, Finland.
1952. *Onychiurus furcifer* Harvey (1025) p. 370, Physiology (Bioluminescence).
1952. *Onychiurus furcifer* MacFadyen (1337) p. 94, Ecology, England.
1953. *Onychiurus furcifer* Gisin (886) p. 58, Switzerland.
1954. *Onychiurus furciferus* Stach (1891) pp. 40, 134, Pl. XIII, Poland.
1955. *Onychiurus furciferus* Goto (918) p. 31, British Isles.
1955. *Onychiurus celticus* Strenzke (1926) p. 30, Europe.
1955. *Onychiurus furcifer* Strenzke (1926) p. 30, Europe.
1956. *Onychiurus furcifer* Bockemuhl (193) p. 135, Spitzbergen.
1956. *Onychiurus furcifer* von Torne (1990) p. 500, Switzerland.
1958. *Onychiurus furciferus* Kholova (1169) p. 234, Bohemia.
1958. *Onychiurus furciferus* von Torne (1993) p. 663, Austria.
1959. *Protaphorura furcifera* Salmon (1719) p. 138, figs. 26–28, Taxonomy.
1960. *Onychiurus furcifer* Gisin (2271) p. 112, fig. 222, Europe.
1960. *Onychiurus* (*Protaphorura*) *furcifer* Grindbergs (2373) p. 33, U.S.S.R.
1960. *Onychiurus furcifer* Milne (2384) p. 134, Biology.

Protaphorura gridelli (Denis) 1938, nov. comb.
TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1938. *Onychiurus gridelli* Denis (665) p. 107, figs. 3 and 4, Italy.
1938. *Onychiurus justi-provisorius* Denis (665) p. 105, Italy.
1939. *Onychiurus stachianus* Bagnall (116) p. 89, Scotland.
1949. *Onychiurus gridelli* Gisin (872) p. 401, fig. 7, Switzerland.
1952. *Onychiurus stachianus* Gisin (882) p. 19, Italy.
1960. *Onychiurus gridelli* Gisin (2271) p. 137, Italy.

Protaphorura halophila (Bagnall) 1935, nov. comb.
TYPE and PARATYPE: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus littoralis* Bagnall (110) p. 114, Scotland.
1937. *Onychiurus halophilus* Bagnall (116) p. 89, Scotland.
1939. *Onychiurus halophilus* Bagnall (119) p. 94, Britain.
1959. *Protaphorura halophila* Salmon (1719) p. 140, figs. 32–36, Ad. description.
1960. *Onychiurus halophilus* Gisin (2271) p. 123, Britain.
1960. *Onychiurus halophilus* Murphy (2386) p. 49, figs. 17–24.

Protaphorura hortensis (Gisin) 1949, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1949. *Onychiurus hortensis* Gisin (872) p. 399, fig. 6, Switzerland.
1955. *Onychiurus hortensis* Gisin (890) p. 142, Switzerland.
1956. *Onychiurus hortensis* Gisin (896) p. 8, Geneva.
1959. *Onychiurus hortensis* Da Gama (494) p. 18, Madeira.
1960. *Onychiurus hortensis* Gisin (2271) p. 125, figs. 241, 242, England, East Africa.

Protaphorura humata (Gisin) 1952, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus humatus* Gisin (882) p. 12, Switzerland.
1960. *Onychiurus humatus* Gisin (2271) p. 120, Austrian Alps.

Protaphorura illaborata (Gisin) 1952, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus illaboratus* Gisin (882) p. 13, Switzerland.
1957. *Onychiurus illaboratus* Gisin (898) p. 110, Switzerland.
1958. *Onychiurus illaboratus* von Torne (1993) p. 663, Austria.
1960. *Onychiurus illaboratus* Gisin (2271) p. 119, Switzerland.

Protaphorura ishikawai (Yosii) 1956, nov. comb.
TYPE: Author's Pers. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Onychiurus* (*Protaphorura*) *ishikawai* Yosii (2235) p. 55, Pl. XXIX, figs. 169–174, Pl. XXX, figs. 175–176, Pl. XXXI, fig. 177, Japan.

Protaphorura kultia (Baijal) 1956, nov. comb.
TYPE: Zoo. Surv. India, Calcutta, India.
1956. *Onychiurus kultia* Baijal (1828) p. 373, figs. 1–5, N.W. Himalayas.

Protaphorura lata (Gisin) 1956, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus latus* Gisin (897) p. 341, England.
1960. *Onychiurus latus* Gisin (2271) p. 118, fig. 230, Scotland.
1960. *Onychiurus latus* Milne (2384) p. 135, on Life History.

Protaphorura levantina (Christiansen) 1956, nov. comb.
TYPE: Author's Pers. Colln.
1956. *Onychiurus levantinus* Christiansen (443) p. 123, Pl. 7, figs. 5–8, Syria, Lebanon.
1960. *Onychiurus levantinus* Gisin (2271) p. 114, Lebanon.

Protaphorura litorea (Folsom) 1917, nov. comb.
1917. *Onychiurus litoreus* Folsom (788) p. 644, Pl. 68, fig. 4; Pl. 73, figs. 39–42.
1931. *Onychiurus litoreus* Denis (638) p. 106, Synonymy.

Protaphorura litoralis (Durkop) 1935, nov. comb.
1935. *Onychiurus littoralis* Durkop (708) p. 133 and figs., Germany.
1951. *Onychiurus littoralis* Strenzke (1923) p. 84, Germany.

Protaphorura macfadyeni (Gisin) 1953, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1953. *Onychiurus macfadyeni* Gisin (885) p. 230, Jan Mayen I.
1954. *Onychiurus macfadyeni* MacFadyen (1339) p. 290, Jan Mayen I.
1954. *Onychiurus macfadyeni* Strenzke (1925) p. 51, Germany, Jan Mayen I.
1956. *Onychiurus macfadyeni* Brinck, Dahl and Wieser (277) p. 125, East Scania.
1959. *Onychiurus macfadyeni* Bodvarsson (2253) p. 243.
1960. *Onychiurus macfadyeni* Gisin (2271) p. 122, Sweden, Germany, Jan Mayen I.

Protaphorura macrodentata (Hammer) 1953, nov. comb.
TYPE: Author's Pers. Colln.
1953. *Onychiurus macrodentatus* Hammer (972) p. 43, fig. 19, North Canada.

Protaphorura macrotuberculata (Kos) 1939, nov. comb.
TYPE: Nat. Mus., Ljubljana, Yugoslavia.
1939. *Onychiurus macrotuberculatus* Kos (1196) p. 309, figs. 70–77, Yugoslavia.
1941. *Onychiurus macrotuberculatus* Kos (1198) p. 93.
1960. *Onychiurus macrotuberculatus* Gisin (2271) p. 126, Yugoslavia.

Protaphorura magnicornis (Bagnall) 1937
TYPE and PARATYPE: Brit. Mus. Nat. Hist., London.
1937. *Onychiurus magnicornis* Bagnall (116) p. 88, Scotland.
1959. *Protaphorura magnicornis* Salmon (1719) p. 139, figs. 29–31, Ad. description.

Protaphorura meridiata (Gisin) 1952, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus meridiatus* Gisin (882) p. 13, Switzerland.
1960. *Onychiurus meridiatus* Gisin (2271) p. 117, Switzerland.

Protaphorura moniezi (Bagnall) 1935
TYPE: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus moniezi* Bagnall (113) p. 102, North England.
1935. *Onychiurus evansi* Bagnall (111) p. 62, Britain.
TYPE: Brit. Mus. Nat. Hist., London.
1937. *Onychiurus evansi* Bagnall (116) p. 145, Justification.
1959. *Protaphorura moniezi* Salmon (1719) p. 138, figs. 21–25, Ad. description.

Protaphorura neglecta (Schaeffer) 1897, nov. comb.
1897. *Aphorura neglecta* Schaeffer (1735) p. 162, figs. 15, 16, Germany.
1899. *Aphorura neglecta* Wahlgren (2075) p. 337, Bear I.
1900. *Aphorura neglecta* Lécaillon (1258) p. 70, France.
1900. *Aphorura neglecta* Schaeffer (1738) p. 241, Bear I., Arctic.
1900. *Aphorura neglecta* Skorikow (1833) p. 194, Spitzbergen.
1900. *Aphorura neglecta* Wahlgren (2076) p. 7, Bear I.

1900. *Aphorura neglecta* Wahlgren (2077) p. 357, Bear I., Jan Mayen I.
1902. *Aphorura neglecta* Skorikow (1835) p. 89, Spitzbergen.
1920. *Onychiurus neglectus* Wahlgren (2090) p. 5, "Eurasia".
1922. *Onychiurus neglectus* Carpenter & Evans (404) p. 18, Bear I., Jan Mayen I., Germany.
1931. *Aphorura neglecta* Denis (638) p. 106, Synonymy.
1954. *Onychiurus neglectus* Stach (1891) p. 44, Germany.

Protaphorura nemorata (Gisin) 1952, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus nemoratus* Gisin (882) p. 12, Switzerland.
1953. *Onychiurus nemoratus* Goto (916) p. 181, British Isles.
1954. *Onychiurus nemoratus* Brown (295) p. 87, Agric. pest, England.
1958. *Onychiurus nemoratus* von Torne (1993) p. 663, Austria.
1960. *Onychiurus nemoratus* Gisin (2271) p. 116, Europe.

Protaphorura normalis (Gisin) 1949, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1949. *Onychiurus normalis* Gisin (872) p. 400, Switzerland.
1960. *Onychiurus normalis* Gisin (2271) p. 150, fig. 288, Switzerland.

Protaphorura octopunctata (Tullberg) 1876, nov. comb.

1876. *Lipura octopunctata* Tullberg (2004) p. 40, Pl. XI, figs. 51–53, Arctic.
1893. *Lipura octo-punctata* Schött (1765) p. 88, Siberia.
1894. *Lipura disjuncta* Moniez (1452) p. 211, Collemb. as food, Switzerland, Italy, Arctic.
1900. *Aphorura octopunctata* Schaeffer (1738) p. 241, North Siberia.
1900. *Aphorura octopunctata* Wahlgren (2077) p. 375, Jan Mayen I.
1900. *Aphorura octopunctata edenticulata* Wahlgren (2077) p. 357, Arctic.
1900. *Aphorura octopunctata edenticulata* Wahlgren (2077) p. 357, Arctic.
1902. *Aphorura octopunctata* Folsom (781) p. 90, Pl. VII, figs. 25–28, Alaska.
1917. *Onychiurus octopunctatus* Folsom (788) p. 647, Pl. 75, figs. 61–64, Alaska.
1920. *Onychiurus octopunctatus* Handschin (979) p. 20, figs. 27–34, Switzerland.
1920. *Onychiurus octopunctatus* Wahlgren (2090) p. 5, Eurasia.
1923. *Onychiurus octopunctatus* Denis (611) p. 211, figs. 5–8, = *L. disjuncta* Mon.
1923. *Onychiurus octopunctatus disjuncta* Denis (611) p. 213, France.
1925. *Onychiurus octopunctatus* Denis (617) p. 204, Italy.
1926. *Onychiurus octopunctatus* Handschin (988) p. 23, fig. 15, Biology.
1926. *Onychiurus octopunctatus* Handschin (995) p. 134, Switzerland.
1929. *Onychiurus octopunctatus* Handschin (1008) p. 47, Switzerland.
1930. *Onychiurus octopunctatus* Womersley (2168) p. 172, Ireland.
1931. *Onychiurus octopunctatus* Bonet (205) p. 248, Spain.
1932. *Onychiurus octopunctatus* Brown (312) p. 339, Arctic.
1932. *Onychiurus octopunctatus* Maynard (1391) p. 218, New York.
1934. *Onychiurus octopunctatus* Stach (1876) p. 134, Pl. 26, Europe.
1935. *Onychiurus daviesi* Bagnall (110) p. 114, Scotland.
1935. *Onychiurus octopunctatus* Bagnall (110) p. 114, Scotland.
1937. *Onychiurus octopunctatus* Frenzel (828) p. 296, Ecology.
1937. *Onychiurus octopunctatus* Kseneman (1217) p. 468, Carpathians.
1938. *Onychiurus octopunctatus* Kseneman (1220) p. 12, Europe.
1939. *Onychiurus octopunctatus* Kos (1196) p. 281, figs. 23–29, Alps, Yugoslavia.
1941. *Onychiurus octopunctatus* Kos (1198) p. 92, Yugoslavia.
1942. *Onychiurus octopunctatus* Marlier (1375) p. 8, Belgium.
1943. *Onychiurus octopunctatus* Chamberlain (431) p. 39- U.S.A.
1943. *Onychiurus octopunctatus* Gisin (853) p. 151, Ecology, Switzerland.
1944. *Onychiurus octopunctatus* Gisin (854) p. 33, Europe, North America.
1951. *Onychiurus octopunctatus* Maynard (1393) p, 74, Pl. VIII, figs. 134–136, New York.
1952. *Onychiurus armatus quadriocellatus* Gisin (882) p. 7, Switzerland.
1953. *Onychiurus octopunctatus* Hammer (972) p. 38, fig. 15, Ad. description, Alaska, North Canada.
1954. *Onychiurus discrepans* Stach (1891) p. 47, Europe.
1954. *Onychiurus octopunctatus* Stach (1891) p. 137, Pl. XIV, East Europe.
1955. *Onychiurus octopunctatus* Cassagnau & Del. Deb. (428) p. 367, Lebanon.
1956. *Onychiurus octopunctatus* Christiansen (443) p. 126, Lebanon.
1960. *Onychiurus octopunctatus* Gisin (2271) p. 122, fig. 238, Caucasus.
1960. *Onychiurus* (*Protaphorura*) *octopunctatus* Grindbergs (2373) p. 34, U.S.S.R.

Protaphorura octopunctata ssp. **edenticulata** (Wahlgren) 1900, nov. comb.

1900. *Aphorura octopunctata edenticulata* Wahlgren (2077) p. 357, Arctic.
1921. *Onychiurus octopunctata edenticulata* Handschin (979) p. 21, Switzerland.
1939. *Onychiurus octopunctatus edenticulata* Kos (1196) p. 285, figs. 30–41, Alps, Yugoslavia.
1941. *Onychiurus octopunctatus edenticulata* Kos (1198) p. 92, Alps, Yugoslavia.

Protaphorura okaënsis (Becker) 1905, nov. comb.

1905. *Onychiurus okaënsis* Becker (160) p. 87, figs. 9–11, Russia.
1960. *Onychiurus okaënsis* Gisin (2271) p. 112, Russia.
1960. *Onychiurus* (*Protaphorura*) *okaënsis* Grindbergs (2373) p. 33, U.S.S.R.

Protaphorura orthacantha (Handschin) 1921, nov. comb.

1921. *Onychiurus orthacanthus* Handschin (979) p. 19, figs. 23–26, Switzerland.
1924. *Onychiurus orthacanthus* Handschin (981) p. 104, Switzerland.
1929. *Onychiurus orthacanthus* Handschin (1008) p. 46, fig. 72, Central Alps.
1931. *Onychiurus orthacanthus* Bonet (205) p. 378, Hungary.

1931. *Onychiurus orthacanthus* Denis (639) p. 210, Hungary.
1948. *Onychiurus orthacanthus* Leleup (1270) p. 10, Belgium.
1949. *Onychiurus orthacanthus* Schaller (1742) p. 268, Ecology, Germany.

Protaphorura orthacantha ssp. **edentata** (Kos) 1939, nov. comb.

1939. *Onychiurus orthacanthus edentatus* Kos (1196) p. 276, figs. 15–22, Yugoslavia.
1941. *Onychiurus orthacanthus edentatus* Kos (1198) p. 92, Yugoslavia.

Protaphorura parallata (Gisin) 1952, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus parallatus* Gisin (882) p. 12, Europe.
1960. *Onychiurus parallatus* Gisin (2271) p. 118, Austrian Alps.

Protaphorura parthenogenetica (Choudhuri) 1958, nov. comb.

TYPE: Brit. Mus. Nat. Hist., London.
1958. *Onychiurus parthenogeneticus* Choudhuri (436) p. 155, figs. 1–9, Britain.
1960. *Onychiurus parthenogeneticus* Goto (2372) p. 958, Systematics.

Protaphorura procampata (Gisin) 1956, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus procampatus* Gisin (897) p. 343, Denmark, Switzerland, England.
1960. *Onychiurus procampatus* Gisin (2271) p. 117, Europe.
1960. *Onychiurus procampatus* Milne (2384) p. 136, on Life History.

Protaphorura prolata (Gisin) 1956, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus prolatus* Gisin (897) p. 340, Switzerland.
1960. *Onychiurus prolatus* Gisin (2270) p. 87, Switzerland, France.
1960. *Onychiurus prolatus* Gisin (2271) p. 118, figs. 24, 217, 224, France, Switzerland.

Protaphorura prolata conlatus (Gisin) 1962

HOLOTYPE, PARATYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus prolatus conlatus* Gisin (2472) p. 3, figs. 3–4; Swiss Juras.

Protaphorura pseudarmata (Folsom) 1917, nov. comb.

COTYPES: U.S. Nat. Mus., Washington, D.C.
1917. *Onychiurus pseudarmatus* Folsom (788) p. 646, Pl. 68, fig. 6; Pl. 74, figs. 52–60; Alaska.
1932. *Onychiurus pseudarmatus* Maynard (1391) p. 218, New York.
1933. *Onychiurus pseudarmatus* Folsom (802) p. 937, Agric. pest.
1934. *Onychiurus pseudarmatus* Lack (1229) p. 602, Greenland.
1938. *Onychiurus pseudarmatus* Hammer (968) p. 16, East Greenland.
1944. *Onychiurus pseudarmatus* Hammer (969) p. 61, Greenland, North America.
1951. *Onychiurus pseudarmatus* Maynard (1393) p. 76, New York, Alaska.
1953. *Onychiurus pseudarmatus* Hammer (972) p. 41, fig. 17, North Canada, Alaska.
1953. *Onychiurus pseudarmatus* Mills & Richards (1430) p. 54, North Canada.
1956. *Onychiurus pseudarmatus* Paclt (1541) p. 123.
1956. *Onychiurus pseudarmatus* Wray & Knowlton (2215) p. 7, Utah.
1959 *Onychiurus pseudarmatus* Wilkey (2350) p. 223, California.

Protaphorura pseudarmata yagii (Miyoshi) 1923, nov. comb.

1923. *Onychiurus yagii* Miyoshi (1436) p. 44, Japan.
1923. *Onychiurus yagii* Kinoshita (1176) p. 75, Japan.
1925. *Onychiurus yagii* Kinoshita (1177) p. 107, Japan.
1932. *Onychiurus yagii* Kinoshita (1178) p. 2119, Japan.
1938. *Onychiurus yagii* Uchida (2015) p. 7, Japan.
1950. *Onychiurus yagii* Kinoshita & Uchida (1179) p. 12 and figs., Japan.
1952. *Onychiurus yagii* Mochizuki (1437) p. 168, Physiology.
1954. *Onychiurus yagii* Yosii (2230) p. 138, figs. 22–28, Japan.
1955. *Onychiurus yagii* Uchida (2034) p. 198, Japan
1956. *Onychiurus yagii* Paclt (1541) p. 123, Biology.
1956. *Onychiurus* (*Protaphorura*) *pseudarmatus yagii* Yosii (2235) p. 55, Japan.
1957. *Onychiurus yagii* Uchida (2041) p. 20, Japan.
1959. *Onychiurus pseudarmatus yagii* Yosii (2402) p. 145, Economics, Japan.

Protaphorura pseudarmata teres (Yosii) 1956, nov. comb.

TYPE: Author's Pers. Coll., Yoshido Coll., Kyoto Univ., Japan.
1956. *Onychiurus* (*Protaphorura*) *pseudarmatus teres* Yosii (2235) p. 53, Pl. XXVI, figs. 149–155; Pl. XXVII, figs. 156–158, Japan.

Protaphorura pseudovanderdrifti (Gisin) 1957, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus pseudovanderdrifti* Gisin (900) p. 482, Austria, Germany.
1959. *Onychiurus pseudovanderdrifti* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus pseudovanderdrifti* Gisin (2271) p. 121, Holland.

Protaphorura pulvinata (Gisin) 1954, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1954. *Onychiurus pulvinatus* Gisin (887) p. 51, Switzerland.
1959. *Onychiurus pulvinatus* Lawrence (2294) p. 118, England.
1960. *Onychiurus pulvinatus* Gisin (2271) p. 114, Switzerland.

Protaphorura quadriocellata (Gisin) 1943, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1943. *Onychiurus quadriocellatus* Gisin (853) p. 151, Switzerland.
1943. *Onychiurus octopunctatus daviesi* Gisin (853) p. 151, Switzerland.
1947. *Onychiurus armatus quadriocellatus* Gisin (866) p. 87, Switzerland.
1952. *Onychiurus quadriocellatus* Gisin (882) p. 11, Switzerland.
1956. *Onychiurus 4-ocellatus* Bockemuhl (193) p. 135, Spitzbergen.
1959. *Onychiurus 4-ocellatus* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus quadriocellatus* Gisin (2271) p. 122, fig. 237, Switzerland.

Protaphorura saccardyi (Denis) 1935, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1935. *Onychiurus Saccardyi* Denis (655) p. 230, North Africa.
1937. *Onychiurus saccardyi* Denis (665) p. 85, North Africa.
1960. *Onychiurus saccardyi* Gisin (2271) p. 124, Algeria.

Protaphorura severini (Willem) 1902, nov. comb.
1902. *Aphorura severini* Willem (2133) p. 277, Belgium.
1931. *Onychiurus severini* Bonet (205) p. 378, Bulgaria.
1942. *Onychiurus severini* Marlier (1375) p. 8, Belgium.
1954. *Onychiurus severini* Stach (1891) p. 61, Belgium.

Protaphorura spinoidea (Steiner) 1955, nov. comb.
TYPE: Inst. Edafologia, Madrid, Spain.
1955. *Onychiurus spinoideus* Steiner (1906) p. 333, fig. 7, Spain.
1960. *Onychiurus spinoideus* Gisin (2271) p. 116, Spain.

Protaphorura stachi (Bagnall) 1935, nov. comb.
TYPE and PARATYPE: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus stachi* Bagnall (113) p. 102, England.
1937. *Onychiurus stachi* Bagnall (116) p. 89, Scotland.
1937. *Onychiurus stachi* Denis (663) p. 53, in caves, Italy.
1938. *Onychiurus stachi* Denis (665) p. 106, fig. 2, Italy.
1939. *Onychiurus stachianus* Bagnall (119) p. 101, Systematics.
1949. *Onychiurus gridellini* Gisin (872) p. 401, Italy.
1953. *Onychiurus stachianus* Goto (916) p. 181, British Isles.
1953. *Onychiurus paucisetosus* Hammer (972) p. 42, fig. 18, North Canada.
1954. *Onychiurus stachianus* Brown (295) p. 87, Agric. pest, England.
1959. *Protaphorura stachi* Salmon (1719) p. 136, figs. 17–20, Ad. description.
1960. *Onychiurus stachianus* Gisin (2271) p. 139, Yugoslavia.
1960. *Onychiurus paucisetosus* Murphy (2386) p. 51, Synonymy.
1960. *Onychiurus stachi* Murphy (2386) p. 51, figs. 25–28, Britain.

Protaphorura stiriaca (Stach) 1946, nov. comb.
1946. *Onychiurus stiriacus* Stach (1884) p. 13, Pl. V, figs. 1–14, Styria.
1948. *Onychiurus stiriacus* Butschek (341) p. 33, N.E. Alps.
1959. *Onychiurus stiriacus* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus stiriacus* Gisin (2271) p. 114, figs. 226, 227, Europe.

Protaphorura subarmata (Gisin) 1957, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus subarmatus* Gisin (900) p. 479, Germany.
1959. *Onychiurus subarmatus* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus subarmatus* Gisin (2271) p. 119, Germany.

Protaphorura sublata (Gisin) 1957, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus sublatus* Gisin (900) p. 479, Austria, England.
1960. *Onychiurus sublatus* Gisin (2271) p. 118, Austria, England.

Protaphorura subnemorata (Gisin) 1957, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus subnemoratus* Gisin (900) p. 478, Austria.
1959. *Onychiurus subnemoratus* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus subnemoratus* Gisin (2271) p. 116, Austria.

Protaphorura subuliginata (Gisin) 1956, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus subuliginatus* Gisin (897) p. 339, Switzerland.
1957. *Onychiurus subuliginatus* Gisin (898) p. 110, Switzerland.
1959. *Onychiurus subuliginatus* Haybach (2375) Tab. VIII, Ecology.
1959. *Onychiurus subuliginatus* Rusek (2326) p. 95, Yugoslavia.

Protaphorura s-vontörnei (Gisin) 1957, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus s-vontörnei* Gisin (900) p. 481, Austria.
1959. *Onychiurus s-vontornei* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus s-vontörnei* Gisin (2271) p. 121, fig. 225, Austria.

Protaphorura tomuraushensis (Yosii) 1940, nov. comb.
1940. *Tullbergia tomuraushensis* Yosii (2226) p. 185, fig. 1; Japan.
1944. *Tullbergia tomuraushensis* Bonet (215) p. 71, Japan.
1954. *Onychiurus tomuraushensis* Stach (1891) p. 43, nov. comb.
1957. *Onychiurus tomuraushensis* Uchida (2041) p. 22, Japan.

Protaphorura tricampata (Gisin) 1956, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus tricampatus* Gisin (897) p. 343, Denmark, Germany, Switzerland.
1957. *Onychiurus tricampatus* Haarlon (2281) p. 14, habitat, Denmark.
1960. *Onychiurus tricampatus* Gisin (2271) p. 119, fig. 232.

Protaphorura triparallata (Gisin) 1960, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1960. *Onychiurus triparallatus* Gisin (2270) p. 92, fig. 4, Switzerland.

Protaphorura trivontörnei (Gisin) 1957, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus trivontörnei* Gisin (900) p. 481, fig. 6, Austria.
1959. *Onychiurus trivontörnei* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus trivontörnei* Gisin (2271) p. 121, fig. 236, Austria.

Protaphorura tullbergi (Bagnall) 1935.
PARATYPES: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus tullbergi* Bagnall (110) p. 115, Scotland.
1959. *Protaphorura tullbergi* Salmon (1719) p. 142, figs. 37–43, Ad. description.
1960. *Onychiurus tullbergi* Gisin (2271) p. 115, Scotland.

Protaphorura uliginata (Gisin) 1952, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus uliginatus* Gisin (882) p. 13, Swiss Alps, Juras.
1956. *Onychiurus uliginatus* Gisin (897) p. 339, Great Britain, Juras.
1958. *Onychiurus uliginatus* von Torne (1993) p. 663, Austria.
1959. *Onychiurus uliginatus* Haybach (2375) Tab. VIII, Ecology.
1960. *Onychiurus uliginatus* Gisin (2271) p. 120, fig. 235, Europe.

Protaphorura vanderdrifti (Gisin) 1952, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus vanderdrifti* Gisin (883) p. 61, Switzerland.

1959. *Onychiurus vanderdrifti* Bodvarsson (2253) p. 243.
1959. *Onychiurus vanderdrifti* Rusek (2326) p. 95, Yugoslavia.
1960. *Onychiurus vanderdrifti* Gisin (2271) p. 121, Holland.

Protaphorura vontörnei (Gisin) 1957, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus vontörnei* Gisin (900) p. 480, Austria.
1959. *Onychiurus vontörnei* Haybach (2375), Tab. VIII, Ecology.
1960. *Onychiurus vontörnei* Gisin (2271) p. 120, Austria.

Genus SPELAPHORURA Bagnall, 1948 (125) p. 639
= *Thalassaphorura* Bagnall, 1949 (128) p. 503
Type species fixed: *S. glenniei* Bagnall, 1948 (125) p. 639.

Spelaphorura clayae Salmon, 1958.

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1958. *Spelaphorura clayae* Salmon (1717) p. 145, figs. 1–6, India.

Spelaphorura glenniei Bagnall, 1948.

TYPE AND PARATYPES: Brit. Mus. Nat. Hist., London.
1948. *Spelaphorura glenniei* Bagnall (125) p. 639, Himalayas.
1959. *Spelaphorura glenniei* Salmon (1719) p. 147, figs. 58–62, Ad. description.

Spelaphorura petallata Salmon, 1958.

HOLOTYPE: Auth. Pers. Colln., Vict. Univ., Wellington, N.Z.
1958. *Spelaphorura petallata* Salmon (1718) p. 709, figs. 1–7, New Zealand.

Spelaphorura thalassophila (Bagnall) 1937.

TYPE AND PARATYPES: Brit. Mus. Nat. Hist., London.
1937. *Onychiurus thalassophilus* Bagnall (116) p. 146, Scotland.
1937. *Onychiurus imminutus* Bagnall (116) p. 146, Scotland.
1949. *Onychiurus thalassophila* Bagnall (128) p. 504, ostensible genotype of *Thalassaphorura, gen. nov.*
1959. *Spelaphorura thalassophilus* Salmon (1719) p. 149, figs. 63–65, comb. nov.
1960. *Onychiurus thalassophila* Gisin (2271) p. 123, Britain.

Genus: ONYCHIURUS Gervais, 1841 (839) pp. 372, 440.
= *Lipura* Burmeister, 1838 (339).
= *Anurophorus* Nicolet, 1841 (1492).
= *Adicranus* Bourlet, 1843 (261).
= *Augenius* Gistel, 1848 (904).
= **Aphorura* MacGillivray, 1893 (1342).
= *Deuteraphorura* Absolon, 1901 (19).
= *Euaphorura* Börner, 1901 (232).
= *Micronychiurus* Bagnall, 1949 (128).
Type species fixed: *O. ambulans* (De Geer) by Gervais, 1841 (839) p. 372.
Onychiurus Gervais, 1841 (839) p. 372, placed on Official List of Generic Names, *Int. Comm.* 1958 (2377) p. 93, as Proposed by Gisin, *Opinion* 291, 1954 (1100) p. 104.

Onychiurus acicindelius Salmon, 1958.

TYPE: Author's Pers. Colln., Vict. Univ., Wellington, N.Z.
1958. *Onychiurus acicindelius* Salmon (1718) p. 710, figs. 8–12, New Zealand.

Onychiurus afghanistanensis Stach, 1960

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1960. *Onychiurus afghanistanensis* Stach (2586) p. 512, Pl. LXVI, figs. 7–8; Afghanistan.

Onychiurus ambulans (Linné) 1758.

1746. *Pediculus terrestris niveus* Linné (1299) *ad partem.*
1758. *Podura ambulans* Linné (1300) p. 609.
1761. *Podura ambulans* Linné (1301) p. 474.
1764. *Podura ambulans* Muller, O.F. (1469) p. 89, Europe.
1775. *Podura ambulans* Muller, P.L.S. (1471) p. 1021, Europe.
1776. *Podura ambulans* Muller, O.F. (1470) p. 183, Denmark.
1776. *Podura ambulans* Sulzer (1938) p. 238, Entomology.
1778. *Podura ambulans* De Geer (532) p. 33, Pl. 3, fig. 5 *ad partem.*
1793. *Podura ambulans* Fabricius (749) p. 68, Europe.
1793. *Podura ambulans* Gmelin (910) p. 2910, Europe.
1802. *Podura ambulans* Latreille (1241) pp. 74, 78, Europe.
1823. *Podura ambulans* Wiedmann (2118) p. 545, Europe.
1827. *Podura ambulans* Brébisson (272) p. 273, France.
1835. *Podura ambulans* Boisduval & Lacordaire (196) p. 115, Europe.
1838. *Lipura ambulans* Burmeister (339) p. 447 *ad partem.*
1840. *Podura ambulans* Lucas (1326) p. 565, Reference List.
1841. *Onychiurus ambulans* Gervais (839) p. 372, Taxonomy.
1842. *Adicranus fimetarius* Bourlet (265) p. 39, Europe.
1842. *Anurophorus fimetarius* Nicolet (1493) p. 53, Pl. 1, fig. 2, Europe.
1844. *Lipura ambulans* Gervais (841) p. 442, Pl. 50, fig. 2.
1844. *Lipura volvator* Gervais (841) p. 442, *ad partem.*
1844. *Lipura ambulans* Lucas (1327) p. 296, Ref. List.
1847. *Anurophorus ambulans* Nicolet (1496) p. 384, Pl. 6, fig. 14a.
1847. *Anurophorus fimetarius* Nicolet (1496) p. 385, Pl. 6, fig. 15a.
1858. *Anurophorus ambulans* Kolenati (1190) p. 131, Europe.
1859. *Anurophorus ambulans* Muller (1468) p. 31, Europe.
1862. *Lipura ambulans* Lubbock (1315) p. 600, Europe.
1869. *Lipura ambulans* Tullberg (2001) p. 17, Scandinavia.
1871. *Lipura ambulans* Tullberg (2002) p. 154, Sweden.
1872. *Lipura ambulans* Tullberg (2003) p. 55, Pl. XI, figs. 16–29, Scandinavia.
1873. *Lipura ambulans* Lubbock (1318) p. 189, Pl. XLIII, Systematics.
1873. *Lipura ambulans* Packard (1521) p. 29, Washington, Massachusetts.
1882. *Lipura ambulans* Tomosvary (1983) p. 119, Hungary.
1882. *Anurophorus ambulans* Joseph (1150) p. 30, Austria.
1887. *Lipura ambulans* Nasanova (1482) pp. 44–, Morphology.
1887. *Lipura ambulans* Oudemans (1510) p. 98, Holland.
1888. *Lipura ambulans* Parona (1562) p. 78–, Italy.
1888. *Lipura ambulans* Parona (1563) p. 144, Italy.
1891. *Lipura ambulans* MacGillivray (1341) p. 275, New York, Ohio, Washington D.C.
1891. *Lipura ambulans* Parfitt (1550) p. 348, England.
1893. *Lipura ambulans* Schott (1765) p. 86, distribution —Sweden.
1893. *Aphorura ambulans* MacGillivray (1342) pp. 127, 313, North America.

* Bacon, 1914 (94) p. 170, describes a species of *Aphorura* without giving it a name.

1895. *Lipura ambulans* Reuter (1643) p. 33, Finland.
1896. *Lipura noctiluca* Dubois (700) p. 418, Pl. XXIII, fig. 2, Physiology.
1896. *Lipura ambulans* Lie-Pettersen (1281) p. 20, Norway.
1896. *Lipura ambulans* Meinart (1399) p. 172, distribution—Greenland.
1897. *Lipura ambulans* Willem & Sabbe (2138) p. 131, Physiology.
1898. *Aphorura ambulans* Scherbakow (1750) p. 58, Russia.
1899. *Aphorura ambulans* Carl (351), p. 1, Europe.
1899. *Lipura ambulans* Carpenter & Evans (402) p. 258, Scotland.
1900. *Aphorura willemi* Börner (231) p. 333, Germany.
1900. *Aphorura ambulans* Kieffer (1170) p. 113, Germany.
1900. *Aphorura ambulans* Vellay (2056) p. 21, Hungary.
1900. *Aphorura ambulans* Wahlgren (2077), p. 375, Greenland.
1901. *Lipura ambulans* Boyd (268) p. 317, Scotland.
1901. *Aphorura ambulans* Carl (354) p. 246, Switzerland.
1901. *Lipura ambulans* Evans (740) p. 153, Scotland.
1902. *Aphorura ambulans* Willem (2133) p. 277, Belg'm.
1903. *Onychiurus ambulans* Agren (55) p. 130, Sweden.
1903. *Aphorura ambulans* Guthrie (951) p. 97, Pl. XII, figs. 3–7, Minnesota.
1904. *Lipura ambulans* Carpenter (2360) p. 251, Agric. pest, Ireland.
1905. *Lipura ambulans* Carpenter (2361) pp. 293, 298, Pl. XXVI, Agric. pest, Ireland.
1906. *Onychiurus ambulans* Lie-Pettersen (1284) p. 59, Norway.
1906. *Onychiurus ambulans* Wahlgren (2080) p. 249, Sweden.
1907. *Onychiurus ambulans* Axelson (83) p. 129, Finl'nd.
1907. *Lipura ambulans* Carpenter (2362) p. 442, Agric. pest, Ireland.
1909. *Lipura ambulans* Dow & Smith (692) p. 36, New Jersey.
1909. *Lipura ambulans* Nielson (1498) p. 409, Greenl'd.
1909. *Lipura ambulans* Shoebotham (1818) p. 58, Gen. Economics.
1910. *Onychiurus ambulans* Collinge (464) p. 7, Engl'nd.
1910. *Onychiurus ambulans* Collinge & Shoebotham (472) p. 102, Hertfordshire, England.
1910. *Lipura ambulans* Theobald (1964) p. 184, Gen. Economics.
1911. *Onychiurus ambulans* Collinge (466) p. 266, England.
1912. *Onychiurus ambulans* Axelson (1292) p. 91, Finland.
1913. *Onychiurus ambulans* Cameron (345) pp. 172, 175, Ecology.
1913. *Lipura ambulans* Carpenter (388) p. 10, Clare I, Ireland.
1914. *Onychiurus ambulans* Shoebotham (1820) p. 60, Ireland.
1916. *Onychiurus ambulans* Bartholin (149) p. 155-, Denmark.
1916. *Onychiurus ambulans* Carr (407), p. 64, England.
1917. *Onychiurus armatus* Cameron (346) p. 50, Cheshire.
1917. *Onychiurus ambulans* Shoebotham (1823) p. 220, England.
1917. *Lipura ambulans* Walton (2098), p. 12, Agric. pest, Aberystwyth, Wales.
1918. *Onychiurus ambulans* Brown (296) p. 186, England.
1918. *Lipura ambulans* Henriksen & Lundbeck (1044) p. 739, Greenland.
1919. *Onychiurus ambulans* Handschin (977) p. 72, Switzerland, N. America, S. and Mid. Europe.
1921. *Onychiurus ambulans* Denis (607) p. 124, France.
1921. *Onychiurus ambulans* Handschin (979) p. 23, fig. 48, Switzerland.
1922. *Onychiurus ambulans* Morris (1456), p. 288, Ecology.
1923. *Onychiurus ambulans* Womersley (2147) p. 31, S.W. England.
1924. *Onychiurus ambulans* Denis (614) p. 291, France.
1924. *Onychiurus ambulans* Thompson 1970) p. 360, Ecology.
1925. *Onychiurus ambulans* Denis (617) p. 210, Italy.
1926. *Onychiurus ambulans* Handschin (988) p. 44, fig. 30, Biology.
1927. *Onychiurus ambulans* Morris (1457) p. 447, Ecology.
1928. *Onychiurus ambulans* Womersley (2154) p. 375, S.W. England.
1929. *Onychiurus ambulans* Handschin (1008) p. 49, Mid. Europe.
1930. *Onychiurus ambulans* Buitendijk (334) p. 56, Holland.
1930. *Aphorura ambulans* Kel'shtein (1161) p. 76, Russia.
1930. *Onychiurus ambulans* Mills (1414) p. 391, Agric. pest.
1930. *Onychiurus ambulans* Womersley (2168) p. 173, Ireland.
1931. *Onychiurus ambulans* Bonet (205) p. 378, Belgium, Germany.
1933. *Onychiurus ambulans* Folsom (802) p. 937, Agric. pest.
1933. *Onychiurus ambulans* Turk (2007) p. 93, Britain.
1933. *Onychiurus ambulans* Womersley (2176) p. 66, figs. 8 d-g, Australia.
1934. *Lipura ambulans* Perrier (1576) p. 34, France.
1934. *Onychiurus ambulans* Stach (1876) p. 174, Pls. 34 and 35, European caves.
1934. *Onychiurus ambulans* Volz (2069) p. 170, Ecology.
1935. *Onychiurus ambulans* Denis (656), p. 31, France.
1935. *Onychiurus ambulans* Griepenburg (942) p. 22, Germany.
1937. *Onychiurus ambulans* Bagnall (116) p. 147, Edinburgh, Scotland, England.
1937. *Onychiurus laminatipes* Bagnall (116) p. 148, Scotland.
1938. *Onychiurus ambulans* Brown (317) p. 306, Engl'd.
1938. *Onychiurus helveticus* Denis (665) p. 115, Italy.
1939. *Onychiurus laminatipes* Bagnall (119) p. 94, Britain.
1939. *Onychiurus ambulans* Griepenburg (944) p. 74, Germany.
1939. *Onychiurus ambulans* Thomas (1969) p. 19, Ecology.
1939. *Onychiurus ambulans* Womersley (2190) p. 127, figs. 49 H-J.
1941. *Onychiurus ambulans* Buitendijk (336) p. 28, Holland, Europe, N. America.
1942. *Onychiurus ambulans* Marlier (1375) p. 8, Belgium.
1942. *Onychiurus ambulans* Muhlmann (1467) p. 225, Europe.
1943. *Onychiurus ambulans* Agrell (47) p. 125, Sweden.
1943. *Onychiurus ambulans* Gisin (853) p. 152, Switzerland.
1946. *Onychiurus ambulans* van Herwijnen (1051) p. 254–, Holland.

1948. *Onychiurus ambulans* Gisin (867) p. 81, Switzerland.
1949. *Onychiurus ambulans* Strenzke (1922) p. 206, Ecology.
1951. *Podura ambulans* Gisin (878) p. 57, Taxonomy.
1952. *Onychiurus ambulans* Baudissin (152) p. 54, Ecology.
1952. *Onychiurus ambulans* Gisin (882), p. 13, Systematics.
1953. *Onychiurus ambulans* Hazelton and Glennie (1037) p. 273, Britain.
1954. *Podura* (*Onychiurus*) *ambulans* Int. Comm. (1100) p. 105, Official List of Specific Names.
1955. *Anurophorus ambulans* Bonet (222) p. 71.
1955. *Onychiurus ambulans* Chopard (434) p. 19, France.
1956. *Onychiurus ambulans* Grindbergs (2274) p. 135, Latvia.
1956. *Onychiurus ambulans* Paclt (1541) pp. 111, 123, Biology.
1958. *Onychiurus ambulans* Grindbergs (2277) p. 193, Latvia.
1958. *Podura* (*Onychiurus*) *ambulans* Int. Comm. (2378) p. 25, Official List of Specific Names.
1959. *Onychiurus ambulans* Lawrence (2294), p. 119–, England.
1959. *Onychiurus ambulans* Rusek (2326) p. 95, Yugoslavia.
1959. *Onychiurus ambulans* Salmon (1719) p. 153, Ad. description.
1960. *Onychiurus ambulans* Gisin (2271) p. 148, Europe.
1960. *Onychiurus* (*Onychiurus*) *ambulans* Grindbergs (2373), p. 36, U.S.S.R.

Onychiurus ambulans inermis Agren, 1903.

1903. *Onychiurus ambulans inermis* Agren (55) p. 130, Sweden.
1921. *Onychiurus ambulans inermis* Handschin (979) p. 24, figs. 45–47, Switzerland.
1924. *Onychiurus ambulans inermis* Handschin (981) p. 105, Systematics.
1942. *Onychiurus ambulans inermis* Womersley (2193) p. 24, New Zealand.
1949. *Onychiurus ambulans inermis* Strenzke (1922) p. 206, Ecology, Germany.

Onychiurus ambulans-inermis oregonensis Denis, 1929.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1929. *Onychiurus ambulans-inermis oregonensis* Denis (632) p. 176, Oregon, U.S.A.
1931. *Onychiurus ambulans-inermis oregonensis* Bonet (205) p. 378, U.S.A.

Onychiurus ambulans intercedens Latzel, 1917.

1917. *Onychiurus ambulans intercedens* Latzel (1249) p. 237, Austria.
1922. *Onychiurus ambulans intercedens* Latzel (1250) p. 56, Sth. Sweden, Austria.

Onychiurus ambulans rectospinatus (Stach) 1922.

1922. *Onychiurus rectospinatus* Stach (1860) p. 8, Hungary.
1934. *Onychiurus ambulans rectospinatus* Stach (1876) p. 183, Pls. 34 and 35, Spain.
1943. *Onychiurus ambulans rectospinatus* Tarsia in Curia (1956), p. 51, fig. 4, Italy.
1958. *Onychiurus ambulans rectospinatus* Grindbergs (2275) p. 11, Latvia.

Onychiurus arans Gisin, 1952.

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus arans* Gisin (882) p. 14, Switzerland.
1960. *Onychiurus arans* Gisin (2271) p. 149, Switzerland.

Onychiurus archivari Christiansen, 1956.

PARATYPE: Author's Pers. Colln.
1956. *Onychiurus archivari* Christiansen (443), p. 128, Pl. 8, figs. 16–25, Lebanon.
1960. *Onychiurus archivari* Gisin (2271) p. 147, L'banon.

Onychiurus arminiarius Gisin, 1961

HOLOTYPE, PARATYPE: Deutsch. Ent. Inst., Berlin.
1961. *Onychiurus arminiarius* Gisin (2468) p. 343, figs. 15–16; Austria.

Onychiurus austriarius Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus austriarius* Gisin (2472) p. 14, fig. 16; Austria.

Onychiurus boneti (Bonet) 1931.

1931. *Onychiurus handschini* Bonet (205) p. 305, fig. VI, Spain.
1960. *Onychiurus boneti* Gisin (2271) p. 132, Spain.

Onychiurus cadaverinus Handschin, 1921.

1921. *Onychiurus cadaverinus* Handschin (979) p. 26, figs. 53–59, Switzerland.
1926. *Onychiurus cadaverinus* Handschin (995) p. 130, Switzerland.
1929. *Onychiurus cadaverinus* Handschin (1008) p. 49, fig. 80, Switzerland.
1931. *Onychiurus cadaverinus* Bonet (205) p. 379, Switzerland.
1940. *Onychiurus cadaverinus* Kos (1197) p. 159, Yugoslavia.
1948. *Onychiurus cadaverinus* Franz & Beier (821), p. 452, Ecology, Austria.
1960. *Onychiurus cadaverinus* Gisin (2271) p. 136, Switzerland.

Onychiurus camerunensis Schött, 1926.

1926. *Onychiurus camerunensis* Schött (1779) p. 7, Pl. I, figs. 9–10, Cameroons.
1934. *Onychiurus camerunensis* Womersley (2177), Cameroons.

Onychiurus cantabricus Steiner, 1958.

TYPE: Inst. Edafologia, Madrid, Spain.
1958. *Onychiurus cantabricus* Steiner (2342) p. 79, fig. 7, Spain.
1960. *Onychiurus cantabricus* Gisin (2271) p. 135, Spain.

Onychiurus circulans Gisin, 1952.

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus circulans* Gisin (882) p. 14, Switzerland, France.
1954. *Onychiurus circulans* Gisin (888) p. 129, France.
1956. *Onychiurus circulans* Bockemuhl (193) p. 136, Spitzbergen.
1956. *Onychiurus circulans* Gisin (897) p. 346, Switzerland, France, Germany.
1957. *Onychiurus circulans* Gisin (901) p. 476, Madeira.
1958. *Onychiurus circulans* Holler-Land (2283) p. 110, Ecology.
1958. *Onychiurus circulans* von Torne (1993) p. 663, Austria.
1959. *Onychiurus circulans* Da Gama (494) p. 18, Madeira.
1960. *Onychiurus circulans* Gisin (2271) p. 148, figs. 282–285, Europe.

Onychiurus confugiens Da Gama, 1962

HOLOTYPE, PARATYPES: Mus. Zool., Univ. Coimbra, Portugal.
1962. *Onychiurus confugiens* Da Gama (2455) p. 103, figs. I–V; Portugal.

Onychiurus dissimulans Gisin, 1952.

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus dissimulans* Gisin (884) p. 79, France.
1960. *Onychiurus dissimulans* Gisin (2271) p. 130, figs. 249–251, in caves, France.

Onychiurus dunarius Gisin, 1956.

TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus dunarius* Gisin (897) p. 349, Germany.
1960. *Onychiurus dunarius* Gisin (2271), p. 143, Germany, Switzerland.

Onychiurus fimetarius (Linné) 1758.

1758. *Podura fimetaria* Linné (1300) p. 609, Europe.
1767. *Podura fimetaria* Linné (1302) p. 1014, Europe.
1775. *Podura fimetaria* Muller (1471), p. 1021, Europe.
1776. *Podura fimetaria* Schrank (1783) p. 497, Europe.
1776. *Podura fimetaria* Sulzer (1938), p. 238, "A Short History of the Insects".
1781. *Podura monura* Shranck (1784) p. 497, *sp. dub.*
1793. *Podura fimetaria* Fabricius (749) p. 67, Europe.
1793. *Podura fimetaria* Gmelin (910) p. 2909, Europe.
1793. *Podura monura* Gmelin (910), p. 2910, *sp. dub.*
1802. *Podura fimetaria* Latreille (1241), p. 77, Europe.
1827. *Podura fimetaria* Brébisson (272) p. 273, France.
1835. *Adicranus fimetarius* Boisduval & Lacordaire (196) p. 115, Paris.
1838. *Lipura fimetaria* Burmeister (339) p. 447, Europe.
1840. *Podura fimetaria* Lucas (1326) p. 565. Reference List.
1841. *Adicranus fimetarius* Bourlet (261) p. 127, fig. 13, Systematics.
1842. *Anurophorus fimetarius* Nicolet (1493) p. 53, Pl. 1, fig. 2, Europe.
1843. *Adicranus fimetarius* Bourlet (265) p. 37, France.
1844. *Lipura volvator* Gervais (841) p. 442, France.
1844. *Lipura fimetaria* Lucas (1327) p. 296, Reference List.
1847. *Adicranus fimetaria* Nicolet (1496) p. 385, Europe.
1847. *Anurophorus fimetarius* Nicolet (1496) p. 385, Pl. 6, fig. 15, Europe.
1849. *Anurophorus stillicidi* Schiödte (1759) p. 20, Pl. 2, Poland.
1857. *Anurophorus stillicidii* Wright (2217) Cave Collembola.
1857. *Anurophorus stillicidii* Halliday (964), Cave Collembola.
1868. *Lipura fimetaria* Lubbock (1316) p. 303, Pl. XXII, figs. 27 & 28, England.
1869. *Lipura inermis* Tullberg (2001) p. 18, Scandinavia.
1871. *Lipura fimetaria* Packard (1518) p. 106, U.S.A.
1871. *Lipura inermis* Tullberg (2002) p. 154, Sweden.
1872. *Lipura inermis* Tullberg (2003) p, 55, Sweden.
1873. *Lipura fimetaria* Lubbock (1318) p. 191, Pl. 46, Pl. 56, figs. 24–26, Switzerland, France, England, Sweden.
1873. *Podura monura* Lubbock (1318) p. 9, *sp. dub.*
1873. *Lipura fimetaria* Packard (1521) p. 28, Massachusetts.
1878. *Lipura fimetaria* Parona (1557) p. 609, Italy.
1883. *Lipura fimetaria* Parona (1558) p. 464, Italy.
1885. *Onychiurus fimetarius* Lintner (1305) p. 208, New York.
1887. *Lipura inermis* Oudemans (1510) p. 98, Holland.
1888. *Lipura fimetaria* Parona (1563) p. 144, Italy.
1889. *Lipura bipunctata* Moniez (1441) p. 31, Santa Maria Island.
1890. *Lipura inermis* Reuter (1638), p. 20, Finland.
1890. *Lipura fimetaria* Oudemans (1512), p. 90, Indian Archipelago, Sumatra.
1891. *Lipura fimetaria* MacGillivray (1341) p. 275, Massachusetts, Washington, Ohio, New York.
1891. *Lipura fimentaria* Parfitt (1550) p. 349, England.
1891. *Lipura inermis* Schött (1762) p. 24, California.
1891. *Lipura fimetaria* Uzel (2050) p. 75, Bohemia.
1891. *Lipura fimetaria* Uzel (2051), p. 920, Helgoland.
1893. *Aphorura inermis* MacGillivray (1342) p. 313, North America.
1893. *Lipura inermis* Schött (1765), p. 89, Sweden, Palearctic.
1894. *Lipura inermis* Lonnberg (1311) p. 165, Florida, Sweden, Finland, Sumatra, California, Germany, Italy.
1894. *Lipura inermis* Schött (1767) p. 128, Florida.
1895. *Lipura Wrightii* Carpenter (364), p. 31, Pl. 2, fig. 10, Ireland.
1895. *Lipura inermis* Reuter (1643) p. 33, Finland, Sweden, Germany, Bohemia, Sumatra, Florida, California.
1896. *Lipura inermis* Lie-Pettersen (1281) p. 21, Norway.
1896. *Lipura inermis* Schött (1769) p. 187, California, Florida.
1897. *Lipura wrightii* Carpenter (365) p. 230, Ireland.
1897. *Lipura inermis* Lie-Pettersen (1281), p. 21, Norway.
1897. *Aphorura inermis* Schäffer (1735) pp. 161, 163, Pl. 2, figs. 17–21, Germany.
1899. *Aphorura fimetaria* Carl (352) p. 281, Switzerland.
1899. *Aphorura inermis* Carl (352) p. 281, Switzerland.
1899. *Lipura fimetaria* Carpenter & Evans (402) p. 258, Pl. VIII, fig. 24, Scotland.
1899. *Aphorura inermis* Folsom (775) p. 262, Pl. I, figs. 1–5, Japan.
1900. *Aphorura inermis* Absolon (8), p. 410, European Alps.
1900. *Aphorura folsomi* Schaeffer (1739) p. 249, Germany.
1900. *Aphorura inermis* Schaeffer (1739) p. 249, Germany.
1901. *Aphorura inermis* Absolon (11) p. 38, Czechoslovakia.
1901. *Aphorura inermis* Absolon (14) p. 4, Czechoslovakia.
1901. *Aphorura inermis* Absolon (16) p. 83, figs. 1 & 2a, Yugoslavia.
1901. *Aphorura inermis* Absolon (18), p. 378, European caves.
1901. *Lipura fimetaria* Boyd (268) p. 317, Scotland.
1901. *Aphorura inermis* Krausbauer (1204) p. 95, Germany.
1901. *Aphorura inermis* Viré (2061) p. 171, Czechoslovakia.
1901. *Aphorura inermis* Viré (2062) p. 107, France.
1902. *Aphorura inermis* Becker (158) p. 24, Russia.
1902. *Onychiurus inermis* Borner (235) p. 97, Germany.
1902. *Lipura inermis* Carpenter (371) p. 657, Ireland, caves.
1902. *Aphorura inermis* Krausbauer (1204) p. 95, 2 Pls. Germany.
1902. *Aphorura inermis* Schött (1772) p. 5, Norway.
1902. *Onychiurus inermis* Voights (2067) p. 523, Germany.
1903. *Onychiurus fimetarius* Agren (55) p. 129, Sweden.
1903. *Onychiurus pseudinermis* Borner (239) p. 132, Italy.
1903. *Aphorura inermis* Guthrie (951) p. 96, Minnesota.
1904. *Onychiurus fimetarius* Agren (56) p. 13, Lapland.
1905. *Onychiurus fimetarius* Axelson (81) p. 28, Tvärminne, Finland.
1906. *Onychiurus fimetarius* Axelson (82) p. 9, Russia.

1906. *Onychiurus inermis* Borner (243) p. 154 = *Onychiurus fimetarius* L.
1906. *Onychiurus funetarius* Lie-Pettersen (1284) p. 59, Norway, *lapsus calami.*
1906. *Aphorura fimetarius* Navas (1483) p. 162, Spain.
1906. *Onychiurus fimentarius* Wahlgren (2080) p. 249, Sweden.
1907. *Onychiurus fimetarius* Axelson (83) p. 129, Finland.
1909. *Lipura fimetaria* Dow & Smith (692) p. 36, New Jersey.
1910. *Onychiurus fimetarius* Collinge (464) p. 7, England.
1910. *Onychiurus fimetarius* Collinge & Shoebotham (472) p. 101, England.
1910. *Lipura fimetarius* Theobald (1964) p. 184, Gen. Economics.
1912. *Onychiurus fimetarius* Axelson (1292) p. 91, Finland.
1912. *Aphorura inermis* Dahl (496) p. 427, Ecology.
1913. *Onychiurus fimetarius* Cameron (346) p. 126, Ecology, England.
1914. *Onychiurus fimetarius* Caroli (362) p. 6, Italian Libya.
1916. *Onychiurus inermis* Carr (407) p. 64, England.
1917. *Onychiurus fimetarius* Folsom (788) p. 649, Pl. 69, fig. 9; Pl. 77, figs 83-86; Pl. 78, figs. 87-89, Morphology, North America.
1917. *Onychiurus pseudofimetarius* Folsom (788) p. 650, Pl. 69, fig. 10; Pl. 78, figs. 89-94, North America.
1917. *Onychiurus inermis* Shoebotham (1823) p. 220, England.
1918. *Onychiurus fimetarius* Brown (296) p. 185, England.
1919. *Onychiurus fimentarius* Axelson (1293) p. 6, Arctic Urals.
1919. *Onychiurus fimentarius* Brown (297) p. 64, England.
1919. *Onychiurus fimentarius* Wahlgren (2089) p. 750, Sweden.
1920. *Onychiurus pseudofimetarius* Handschin (979) p. 25, figs. 50–52, Switzerland.
1920. *Onychiurus fimetarius* Stach (1859) p. 155, Poland, Europe, Sumatra, North America.
1921. *Onychiurus fimetarius* Denis (607)p. 125, France.
1921. *Onychiurus fimetarius* Stach (1859) p. 155, Poland.
1921. *Onychiurus fimetarius* Zimmerman (2237) p. 51, figs. 16 a-f, Hawaii.
1922. *Onychiurus fimetarius* Latzel (1250) p. 55, Austrian Alps.
1922. *Onychiurus fimetarius* Morris (1456), p. 288, Ecology.
1922. *Onychiurus fimetarius* Stach (1860) p. 10, Hungary.
1923. *Onychiurus fimetarius* Brown (302) p. 262, England.
1923. *Onychiurus fimetarius* Denis (611) p. 219, Taxonomy.
1923. *Onychiurus fimetarius* Denis (613) p. 57, Systematics.
1923. *Onychiurus fimetarius* Womersley (2147) p. 31, S.W. England.
1924. *Onychiurus fimetarius* Denis (614) p. 257, France.
1924. *Onychiurus fimetarius* Denis (616) p. 224, Algeria.
1924. *Onychiurus fimetarius* Handschin (983) p. 105, Switzerland.
1924. *Onychiurus fimetarius* Thompson (1970) p. 360, Ecology.
1925. *Onychiurus pseudinermis* Denis (617) p. 210, Italy.
1925. *Onychiurus fimetarius* Denis (618) p. 584, Synonymy.
1925. *Onychiurus fimetarius* Teodoro (1959) p. 125, Italy.
1925. *Onychiurus fimetarius* Womersley (2148) p. 169, S.W. England.
1926. *Onychiurus fimetarius* Handschin (988) p. 28, figs. 20, 26, Biology.
1926. *Onychiurus camerunensis* Schött (1779) p. 7, Pl. I, figs. 9–10.
1926. *Onychiurus fimetarius* Zwalwenburg (2240) p. 18, Agric. pest, Hawaii.
1927. *Onychiurus fimetarius* Blake (189), p. 83, Pl. XV, Ecology.
1927. *Onychiurus fimetarius* Morris (1457), p. 447, Ecology.
1928. *Onychiurus fimetarius* Carpenter (397) p. 114, Samoa.
1928. *Onychiurus fimetarius* Handschin (1001) p. 266, Sumatra.
1928. *Onychiurus fimetarius* Womersley (2154) p. 375, S.W. England.
1929. *Onychiurus fimetarius* Denis (632) p. 167. New variety, *denticulata.*
1929. *Onychiurus fimetarius* Denis (633) p. 307, China.
1929. *Onychiurus fimetarius* Edwards (715) p. 310, Ecology.
1929. *Onychiurus fimetarius* Handschin (1006) p. 236, South India.
1929. *Onychiurus fimetarius* Handschin (1008) p. 50, Europe, North America.
1929. *Onychiurus subterraneus* Stach (1869) p. 285, Cosmopolitan.
1930. *Onychiurus fimetarius* Buitendijk (334) p. 56, Holland.
1930. *Onychiurus fimetarius* Mills (1414) p. 391, Agric. pest.
1930. *Onychiurus fimetarius* Womersley (2168) p. 173, Ireland.
1931. *Onychiurus fimetarius* Bonet (205) pp. 303, 379, in caves—France, Spain, Czechoslovakia, Ireland, North America, Africa, Sumatra.
1931. *Onychiurus subterraneus* Bonet (205) p. 379, Hungary.
1931. *Onychiurus fimetarius* Denis (637) p. 10, Italian caves.
1931. *Onychiurus fimetarius* Denis (639) p. 209, Reference List, Germany.
1931. *Onychiurus fimetarius* Lindroth (1286) p. 129, Iceland.
1932. *Onychiurus fimetarius* Folsom (801) p. 57, Hawaii.
1932. *Onychiurus fimetarius* Handschin (1010) p. 477, Java.
1932. *Onychiurus fimetarius* Lengersdorf (1273) p. 63, Switzerland, caves.
1932. *Onychiurus fimetarius* Mukerji (1465) p. 131, India.
1932. *Onychiurus fimetarius* Stammer (1897) p. 610, Ecology.
1933. *Onychiurus fimetarius* Denis (644) p. 211, Yugoslavia.
1933. *Onychiurus fimetarius* Folsom (802) p. 937, Agric. pest.
1933. *Onychiurus fimetarius* Gripenburg (940) p. 29, Germany.
1933. *Onychiurus fimetarius* Schubert (1787) p. 184, Ecology.
1933. *Onychiurus fimetarius* Turk (2007) p. 93, Britain.
1933. *Onychiurus fimetarius* Womersley (2176) p. 66, Australia.

1934. *Onychiurus fimetarius* Durkop (707) p. 496, Scandinavia, Germany.
1934. *Lipura fimetaria* Perrier (1576) p. 34, France.
1934. *Lipura inermis* Perrier (1576) p. 34, France.
1934. *Onychiurus fimetarius* Stach (1876) p. 164, Pl. 33, European caves.
1934. *Onychiurus fimetarius* Volz (2069) p. 175, Ecology.
1934. *Onychiurus fimetarius* Womersley (2177) pp. 452, 468. Europe, Libya, Algeria, South Africa; Cosmopolitan.
1935. *Onychiurus fimetarius* Denis (652) pp. 330, 336, Systematics, Yugoslavia.
1935. *Onychiurus fimetaria* Griepenburg (942) p. 42, Germany.
1935. *Onychiurus fimetarius* Pax & Maschke (1573) p. 12, Europe.
1935. *Onychiurus fimetarius* Schubert (1791) p. 124, p. 219, p. 367, Germany.
1935. *Onychiurus funetarius* Schubert (1790) p. 94, *lapsus calami.*
1935. *Onychiurus fimetarius* Sgonina (1810) p. 13, Physiology.
1936. *Onychiurus fimetarius* Nordberg (1500), p. 34, Ecology.
1936. *Onychiurus fimetaria* Tarsia in Curia (1951) p. 21, Italy.
1936. *Onychiurus fimetarius* Womersley (2183), p. 320, New Zealand.
1937. *Onychiurus fimetarius* Bagnall (116) p. 146, Scotland.
1937. *Onychiurus pygmaeus* Bagnall (116) p. 146, Scotland.
TYPE: Brit. Mus. Nat. Hist., London.
1937. *Onychiurus fimetarius* Denis (665) p. 111, Systematics, Italy.
1937. *Onychiurus fimetarius* Drenowski (695) p. 2, Bulgaria.
1937. *Onychiurus fimetarius* Frenzel (828) p. 296, Ecology.
1937. *Onychiurus fimetarius* Kseneman (1217) p. 468, Carpathians.
1937. *Onychiurus fimetarius* Schubert (1792) p. 125, Palearctic-Nearctic.
1937. *Onychiurus fimetarius* Scott (1795) p. 133, California.
1938. *Onychiurus fimetarius* Brimley (275) p. 15, North Carolina.
1938. *Onychiurus fimetarius* Brown (317) p. 306, England.
1938. *Onychiurus fimetarius* Kseneman (1220) p. 12, Cosmopolitan.
1938. *Onychiurus fimetarius* Mills (1421) p. 15, North Carolina.
1939. *Onychiurus fimentarius* Imms (1095) p. 291, Morphology.
1939. *Onychiurus fimetarius* Strenzke (1931) p. 263, Ecology.
1939. *Onychiurus fimetarius* Womersley (2190) p. 127, Pl. II, figs. 7–10, Australia.
1940. *Onychiurus fimetarius* Strouhal (1932) p. 398, Ecology.
1941. *Onychiurus fimetarius* Agrell (46) p. 19, Swedish Lapland.
1941. *Onychiurus fimetarius* Bornebusch (226) p. 29, Systematics, Nth. America, Holland, Europe.
1941. *Onychiurus fimetarius* Coleman (458) p. 9, fig. 5, Synonymy.
1941. *Onychiurus fimetarius* Salmon (1676) p. 310, figs. 127–130, New Zealand.
1942. *Onychiurus fimetarius* Handschin (1012) p. 404, Mesopotamia, Palestine, North Africa.
1942. *Onychiurus fimetarius* Marlier (1375) p. 8, Belgium.
1942. *Onychiurus fimetarius* Miles (1409) p. 16, Oxford, England.
1942. *Onychiurus fimetarius* Muhlmann (1467) p. 193, Europe.
1942. *Onychiurus fimetarius* Scott (1796) p. 178, West U.S.A.
1943. *Onychiurus fimetarius* Agrell (47) p. 125, Sweden.
1943. *Onychiurus fimetarius* Chamberlain (431) p. 39, U.S.A.
1943. *Onychiurus fimetarius* Gisin (853) p. 153, Switzerland.
1943. *Onychiurus fimetarius* Strebel (1919) p. 117, Germany.
1943. *Onychiurus fimetarius* Tarsia in Curia (1956) p. 50, Italy, caves.
1945. *Onychiurus fimetarius* Agrell (50) p. 11, habitat, Finland.
1948. *Onychiurus fimetarius* Denis (677) p. 1, Corsica.
1948. *Onychiurus fimetarius* Gisin (867) p. 81, Switzerland.
1948. *Onychiurus fimetarius* Salt, etc. (1724) p. 145, Ecology.
1949. *Onychiurus fimetarius* Schaller (1742) p. 270, Germany, Ecology.
1950. *Onychiurus fimetarius* Del. Deb. (570) p. 281, Europe.
1950. *Onychiurus fimetarius* Gisin (876) p. 94, Italy, caves.
1951. *Onychiurus fimetarius* Del. Deb. & Cassagnau (593) p. 1, Middle France.
1951. *Onychiurus fimetarius* Del. Deb. & Gisin (596) p. 85, Italian caves.
1951. *Onychiurus fimetarius* Del. Deb. & Gisin (597) p. 134, Italian caves.
1951. *Onychiurus fimetarius* Del. Deb. & Gisin (598) p. 4, Italian caves.
1951. *Onychiurus fimetarius* Maynard (1393) p. 72, Pl. VIII, figs. 128–132, New York.
1951. *Onychiurus fimetarius* Stach (1889) p. 18, fig. 9-E.
1952. *Onychiurus fimetarius* Baudissin (152) p. 56, Ecology.
1952. *Onychiurus fimetarius* Del. Deb. (581) p. 575, Mediterranean region.
1952. *Onychiurus fimetarius* Gisin (882) p. 16, fig. 7, Taxonomy.
1952. *Onychiurus insubrarius* Gisin (882) p. 17, Switzerland.
1952. *Onychiurus fimentarius* Harvey (1025) p. 369, Bioluminescence.
1952. *Onychiurus fimetarius* Massera (1382) p. 29, Italy, caves.
1953. *Onychiurus fimetarius* Hazelton & Glennie (1037) p. 273, Britain.
1954. *Onychiurus fimetarius* Bellinger (174) p. 17, Connecticut.
1954. *Onychiurus fimetarius* Stach (1891) p. 173, Pl. XXIV, Systematics, Synonymy.
1955. *Onychiurus fimetarius* Cassagnau (420) p. 35, France.
1955. *Onychiurus fimetarius* Cassagnau & Del. Deb. (428) p. 367, Lebanon.
1955. *Onychiurus fimetarius* Chopard (434) p. 19, France.
1955. *Onychiurus fimetarius* Goto (921) p. 267, Britain.
1955. *Onychiurus fimetarius* Strenzke (1926) p. 30.

1955. *Onychiurus fimetarius* Uchida (2034) p. 199, China.
1956. *Onychiurus fimetarius* Christiansen (443) p. 127.
1956. *Onychiurus fimetarius* Grindbergs (2274) p. 135, Latvia.
1956. *Onychiurus fimetarius* Paclt (1541), p. 123, Biology.
1956. *Onychiurus pseudinermis* Paclt (1541) pp. 57, 111, 123, fig. 84, Biology.
1956. *Onychiurus fimetarius* Wray & Knowlton (2215) p. 7, Utah.
1957. *Onychiurus fimetarius* Bödvarsson (2252) p. 17, Iceland.
1957. *Onychiurus* (cf) *fimetarius* Bornemissza (227) p. 9, West Australia.
1957. *Onychiurus fimetarius* Gunhold (2280) p. 467, Ecology.
1957. *Onychiurus pseudinermis* Paclt (1543) p. 5, Europe.
1957. *Onychiurus pseudinermis* Paclt (1544) p. 270, fig. 1, Czechoslovakia.
1957. *Onychiurus fimetarius* Uchida (2041) p. 19, Japan.
1958. *Onychiurus fimetarius* Grindbergs (2275) p. 11, Latvia.
1958. *Onychiurus fimetarius* Grindbergs (2277), p. 194, Latvia.
1958. *Onychiurus fimetarius* Miles (1412) p. 638, Wales.
1958. *Onychiurus fimetarius* von Torne (1993) p. 663, Austria.
1959. *Onychiurus fimetarius* Da Gama (494) p. 18, Madeira.
1959. *Onychiurus fimetarius* Da Gama (2266) p. 12, Portugal.
1959. *Onychiurus fimetarius* Franz & Gunhold, etc. (2369) p. 50, Communities.
1959. *Onychiurus fimatarius* Lawrence (2294) p. 118, England.
1959. *Onychiurus pseudinermis* Paclt (2316) p. 37, South Africa.
1959. *Onychiurus fimetarius* Salmon (1719) p. 153, Ad. descr.
1959. *Onychiurus fimetarius* Stach (1896) p. 8, Poland.
1959. *Onychiurus fimetarius* Strebel (2344), p. 92, Germany.
1959. *Onychiurus fimetarius* Wilkey (2350) p. 223, California.
1960. *Onychiurus fimetarius* Gisin (2271) p. 140, Italy.
1960. *Onychiurus insubrarius* Gisin (2271) p. 141, Switzerland.
1960. *O.* (*Onychiurus*) *fimetarius* Grindbergs (2373) p. 35, U.S.S.R.
1960. *Onychiurus fimetarius* Yosii (2408) p. 15, New Caledonia.

Onychiurus fimetarius denticulata Denis, 1929

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1929. *Onychiurus fimetaria denticulata* Denis (632) p. 167; Pekin, China.

Onychiurus fimetarius dentiferus Kos, 1939

TYPE: Nat. Mus. Ljubljana, Yugoslavia.
1939. *Onychiurus fimetarius dentiferus* Kos (1196) p. 316, figs. 78–93, Yugoslavia.
1941. *Onychiurus fimetarius dentiferus* Kos (1198) p. 93, Yugoslavia.
1956. *Onychiurus pseudinermis dentiferus* Paclt (1541) p. 111, fig. 127, Biology.

Onychiurus folsomi (Schaeffer) 1900

COTYPE: U.S. Nat. Mus., Washington, D.C. and Mus. Comp. Zool., Harvard, U.S.A.
1899. *Aphorura inermis* Folsom (775) p. 261, Japan.
1900. *Aphorura folsomi* Schaeffer (1739) p. 249, Systematics.
1916. *Onychiurus folsomi* Kinoshita (1172) p. 458, Japan.
1931. *Onychiurus folsomi* Matsumara & Uchida (1386) p. 2 and figs, Japan.
1938. *Onychiurus folsomi* Uchida (2015) p. 7, Japan.
1953. *Onychiurus folsomi* Yosii (2229) p. 71, figs. 14-17, Ad. description, Japan.
1954. *Onychiurus folsomi* Yosii (2230) p. 138, Japan.
1956. *Onychiurus folsomi* Paclt (1541) p. 123, Biology.
1956. *Onychiurus folsomi* Yosii (2235), p. 50, Pl. XXVII, fig. 162, Pl. XXVIII, figs. 163–164, Pl. XXIX, fig. 165, Japan.
1957. *Onychiurus folsomi* Nomura (1499) p. 68, Japan.

Onychiurus franconianus Gisin, 1961

HOLOTYPE, PARATYPE: Deutsch. Ent. Inst., Berlin.
1961. *Onychiurus franconianus* Gisin (2468) p. 339; Switzerland.

Onychiurus ghidinii Denis, 1937

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1937. *Onychiurus ghidinii* Denis (665) p. 112, Italy.
1951. *Onychiurus ghidinii* Del. Deb. (576) p. 43, fig. 1, Italy.
1951. *Onychiurus ghidinii* Gisin (881) p. 56, Moroccan caves.
1952. *Onychiurus ghidinii* Gisin (882) p. 20, Venice, Morocco, Switzerland.
1955. *Onychiurus ghidini* Gridelli (938) p. 37, Venice.
1956. *Onychiurus ghidinii* Gisin (897) p. 348, Italy, France, Switzerland.
1957. *Onychiurus ghidinii* Gisin (901) p. 476, Madeira.
1960. *Onychiurus ghidinii* Gisin (2271) p. 140, figs. 269, 270, Europe.

Onychiurus ghidinii varians Denis, 1937

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1937. *Onychiurus ghidinii varians* Denis (665) p. 114, Italy.

Onychiurus gigoni Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus gigoni* Gisin (2472) p. 6, figs. 6–9; Swiss Juras.

Onychiurus glebatus Gisin, 1952

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus glebatus* Gisin (882) p. 11, Switzerland, France.
1956. *Onychiurus glebatus* Gisin (897) p. 341, Switzerland.
1960. *Onychiurus glebatus* Gisin (2271) p. 115, fig. 228, Switzerland.

Onychiurus gotoi Choudhuri, 1958

TYPE: Brit. Mus. Nat. Hist., London.
1958. *Onychiurus gotoi* Choudhuri (436) p. 157, figs. 10–14, England.
1960. *Onychiurus gotoi* Gisin (2271) p. 138, England.

Onychiurus haybachae Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus haybachae* Gisin (2472) p. 8, fig. 10; Austria.

Onychiurus hussoni Denis, 1935

TYPE: Lab. Zool. Fac. Sci., Dijon, France
1935. *Onychiurus hussoni* Denis (656) p. 34, figs. 4–8, France.
1960. *Onychiurus hussoni* Gisin (2271) p. 133, Europe.

Onychiurus inferni Gisin, 1956

TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus inferni* Gisin (897) p. 351, Switzerland.
1957. *Onychiurus inferni* Gisin (900) p. 485, Switzerland.
1960. *Onychiurus inferni* Gisin (2270) p. 92, Switzerland.
1960. *Onychiurus inferni* Gisin (2271) p. 132, figs. 253-255, Switzerland.

Onychiurus insinuans Gisin, 1952

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus insinuans* Gisin (884) p. 80, France.
1960. *Onychiurus insinuans* Gisin (2271) p. 149, France.

Onychiurus izuruensis (Yosii), 1956

TYPE: Auth. Pers. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Onychiurus* (*Deuteraphorura*) *izuruensis* Yosii (2235) p. 51, Pl. XXVII, figs. 159–161, Pl. XXIX, figs. 166–168, Japan.

Onychiurus jubilarius Gisin, 1957

TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus jubilarius* Gisin (899) p. 455, Germany, Switzerland.
1960. *Onychiurus jubilarius* Gisin (2271) p. 137, figs. 261–263, Switzerland, Germany, Austria.

Onychiurus justi (Denis), 1938

1917. *Onychiurus fimetarius* Folsom (788) p. 649, Pl. 69, fig. 9, Pl. 77, figs 83–86, Pl. 78, figs. 87–88, North America.
1938. *Onychiurus Justi* Denis (665) p. 104, *n. nov. pro fimetarius* Folsom, Italy.
1943. *Onychiurus justi* Tarsia in Curia (1956) p. 51, caves, Italy.
1954. *Onychiurus justi* Stach (1891) p. 63, Systematics.

Onychiurus justi-provisorius Denis, 1938.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1938. *Onychiurus Justi-provisorius* Denis (665) p. 105, Italy.

Onychiurus lenticularis Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus lenticularis* Gisin (2472) p. 5, fig. 5; North Italy.

Onychiurus microchaetosus Loska, 1959

SYNTYPES: Zool. Inst. Loránd Eotvos Univ., Budapest.
1959. *Onychiurus microchaetosus* Loksa (2297) p. 75, fig. 5, Hungary.

Onychiurus minutus Denis, 1932

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1932. *Onychiurus minutus* Denis (641) p. 363, fig. III, 1–8, France.
1939. *Onychiurus minutus* Bagnall (117) p. 23, Britain.
1960. *Onychiurus minutus* Gisin (2271) p. 150, figs. 286 and 287, France, Britain.

Onychiurus musae Selga, 1962

1962. *Onychiurus musae* Selga (2554) p. 61, figs. 1–3; Tenerife, Canary Is.

Onychiurus naglitschi Gisin, 1960

TYPE: Mus. Hist. Natur., Geneva.
1960. *Onychiurus naglitschi* Gisin (2371) p. 315, figs. 4–7, Germany.

Onychiurus nervosus Stach, 1954

1954. *Onychiurus nervosus* Stach (1891) pp. 65, 167, Pl. XXII, Carpathians.
1955. *Onychiurus nervosus* Stach (1893) p. 58, figs. 119-120, Carpathians.
1960. *Onychiurus nervosus* Gisin (2271) p. 137, Carpathians.
1960. *O.* (*Onychiurus*) *nervosus* Grindbergs (2373) p. 35, U.S.S.R.

Onychiurus novae-zealandiae Salmon, 1942

TYPE, PARATYPES: Dom. Mus., Wellington, N.Z.
1942. *Onychiurus novae-zealandiae* Salmon (1678) p. 158, Pl. 12, figs. 1–7, New Zealand.

Onychiurus novus Stach, 1960

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1960. *Onychiurus novus* Stach (2586) p. 511, Pl. LXV, figs. 8–9; Afghanistan.

Onychiurus ombrophilus Stach, 1960

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1960. *Onychiurus ombrophilus* Stach (2586) p. 509, Pl. LXV, figs. 1–7; Afghanistan.

Onychiurus ortus Denis, 1935

TYPE: Lab. Zool. Fac. Sci., Dijon, France
1935. *Onychiurus ortus* Denis (656) p. 36, figs. 9–13, France.
1952. *Onychiurus ortus* Del. Deb. (581) p. 75, Mediterranean.
1960. *Onychiurus ortus* Gisin (2271) p. 130, France.

Onychiurus paranemoratus Selga, 1962

1962. *Onychiurus paranemoratus* Selga (2582) p. 43, fig. 1; Catalonia.

Onychiurus paxi Stach, 1936

1936. *Onychiurus paxi* Stach *in litt.*
1936. *Onychiurus paxi* Stammer (1900) p. 211, European Alps.
1937. *Onychiurus paxi* Frenzel (828) p. 316, Ecology.
1939. *Onychiurus paxi* Stach (1881) p. 413, fig. 174, Poland.
1954. *Onychiurus paxi* Stach (1891) p. 161, Pl. XV, figs. 1–5, Poland.
1960. *Onychiurus paxi* Gisin (2271) p. 150, Europe.

Onychiurus penetrans Gisin, 1952

TYPE: Mus. Hist. Natur., Geneva.
PARATYPES: Brit. Mus. Nat. Hist., London.
1952. *Onychiurus penetrans* Gisin (884) p. 79, in caves, France.
1960. *Onychiurus penetrans* Gisin (2271) p. 150, France.

Onychiurus pseudofimetarius (Absolon), 1901

TYPE: Illinois State Nat. His. Surv., Urbana, U.S.A.
1901. *Aphorura spelaea* Absolon (12) p. 101, Czechoslovakia.
1903. *Onychiurus pseudinermis* Börner (239) p. 132, Systematics.
1903. *Aphorura inermis* Guthrie (951) p. 1, Minnesota.
1917. *Onychiurus pseudofimetarius* Folsom (788) p. 650, Pl. 69, fig. 10; Pl. 78, figs. 89-94; Illinois, Minnesota.
1921. *Onychiurus pseudofimeratus* Handschin (979) p. 25, figs. 50–52, *lapsus calami* = *pseudofimetarius.*
1924. *Onychiurus pseudofimetarius* Handschin (981) p. 105, Switzerland.
1929. *Onychiurus pseudofimetarius* Bonet (199) p. 11, Spain.
1929. *Onychiurus pseudofimetarius* Bonet (200) p. 798, Spain.
1931. *Onychiurus pseudofimetarius* Denis (638) p. 109, Synonymy.
1934. *Onychiurus pseudofimetarius* Mills (1417) p. 34, Iowa.

1938. *Onychiurus fimetarioides** Denis (665) p. 108, *n. nov. pro O. pseudofimetarius.*
1939. *Onychiurus fimetarioides* Bagnall (119) p. 94, Synonymy, Britain.
1954. *Onychiurus fimetarioides* Stach (1891) p. 67, Europe.
1956. *Onychiurus pseudofimetarius* Wray & Knowlton (2215) p. 7, Utah.
1959. *Onychiurus pseudofimetarius* Wilkey (2350) p. 223, California.
1960. *Onychiurus fimetarioides* Gisin (2271) p. 151, *sp. dub.*

Onychiurus pseudostachianus Gisin, 1956.

1956. *Onychiurus pseudostachianus* Gisin (897) p. 346, Italy, Switzerland.
1960. *Onychiurus pseudostachianus* Gisin (2271) p. 139, figs. 265-267, Europe.

Onychiurus quadrisilvarius Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus quadrisilvarius* Gisin (2472) p. 16, fig. 19; Styria.

Onychiurus raxensis Gisin, 1961

HOLOTYPE, PARATYPE: Deutsch. Ent. Inst., Berlin.
1961. *Onychiurus raxensis* Gisin (2468) p. 336, figs. 10, 11; Alps, Austria.

Onychiurus rectopapillatus Stach, 1933.

1933. *Onychiurus rectopapillatus* Stach (1873) p. 236, Pl. 15, Poland.
1937. *Onychiurus rectopapillatus* Drenowski (695) p. 2, Bulgaria.
1954. *Onychiurus rectopapillatus* Stach (1891) p. 170, Pl. XXIII, Poland, Russia.
1955. *Onychiurus rectopapillatus* Stach (1893) p. 56, Pl. 117 and 118; Poland, Czechoslovakia.
1960. *Onychiurus rectopapillatus* Gisin (2271) p. 139, Europe.
1960. *O.* (*Onychiurus*) *rectopapillatus* Grindbergs (2373) p. 35; U.S.S.R.

Onychiurus rectospinatus Stach, 1922

1922. *Onychiurus rectospinatus* Stach (1860) p. 8, Pl. I, figs. 1–5; Poland, Hungary, Scotland, Spain.
1931. *Onychiurus rectospinatus* Bonet (205) pp. 302, 378, fig. II; Spain.
1932. *Onychiurus rectospinatus* Lengersdorf (1273) p. 52; in caves, Switzerland.
1933. *Onychiurus rectospinatus* Denis (644) p. 211, Yugoslavia.
1935. *Onychiurus rectospinatus* Denis (652) pp. 330, 337; Greece, Yugoslavia.
1937. *Onychiurus rectospinatus* Bagnall (116) p. 147; Scotland, England.
1939. *Onychiurus ambulans rectospinatus* Strouhal (1931), p. 263; Ecology.
1940. *Onychiurus ambulans rectospinatus* Strouhal (1932) p. 398; Ecology.
1954. *Onychiurus rectospinatus* Stach (1891) p. 154, Pl. XIX; Italy, Poland, Czechoslovakia.
1959. *Onychiurus rectospinatus* Lawrence (2294) p. 119; England.
1960. *Onychiurus rectospinatus* Gisin (2271) p. 148; Slovakia, Italy.

Onychiurus reluctus Christiansen, 1961

1961. *Onychiurus reluctus* Christiansen (2448) p. 61, fig. 2; Iowa.

Onychiurus scotarius Gisin, 1954

TYPE: Mus. Hist. Natur., Geneva.
1954. *Onychiurus scotarius* Gisin (887) p. 52; Scotland.
1956. *Onychiurus scotarius* Gisin (897) p. 348; Scotland, England.
1960. *Onychiurus scotarius* Gisin (2271) p. 140; Scotland, England.

Onychiurus silvarius Gisin, 1952

TYPE: Mus. Hist. Natur., Geneva.
1952. *Onychiurus silvarius* Gisin (882) p. 19; Switzerland.
1956. *Onychiurus silvarius* Gisin (897) p. 348; Switzerland, France, Austria, Luxembourg.
1959. *Onychiurus silvarius* Da Gama (2266) p. 13; Portugal.
1959. *Onychiurus silvarius* Haybach (2375) Tab. VIII; Ecology.
1960. *Onychiurus silvarius* Gisin (2271) p. 141, figs. 21, 271–274; Europe.

Onychiurus sinensis Stach, 1954

1954. *Onychiurus sinensis* Stach (1891) pp. 65, 166; China.

Onychiurus spipolae Massera, 1949

1949. *Onychiurus spipolae* Massera *Comment. pontif. Acad. Sci.*, 13, p. 519; Italy.
1954. *Onychiurus spipolae* Stach (1891) p. 67; Italy.
1960. *Onychiurus spipolae* Gisin (2271) p. 140; Italy.

Onychiurus stillicidii (Schiodte), 1849

1849. *Anurophorus stillicidii* Schiodte (1759) p. 20, Pl. II, fig. 2; Europe.
1873. *Lipura stillicidii* Lubbock (1318) p. 196, *ad partem*; Yugoslavia.
1896. *Lipura stillicidii* Hamann (965) p. 146; Europe.
1900. *Aphorura stillicidii* Absolon (8) p. 407, figs. 2 and 3; Yugoslavia, Czechoslovakia.
1900. *Lipura stillicidii* Absolon (3) p. 62; Czechoslovakia.
1900. *Aphorura hamanni* Schaeffer (1739) p. 248; Czechoslovakia.
1900. *Anurophorus stillicidii* Vellay (2056) p. 21; Hungary.
1901. *Anurophorus stillicidii* Absolon (17) p. 213; Alps, Europe.
1901. *Aphorura stillicidii* Absolon (11) p. 38; Czechoslovakia.
1901. *Aphorura stillicidii* Absolon (12) p. 98, figs. 5 and 6; Yugoslavia, Czechoslovakia.
1901. *Aphorura stillicidii* Absolon (16) p. 84, fig. 2; Alps, Europe.

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* Both Denis (665) p. 108, and Stach (1891) p. 67, assert that *O. pseudofimetarius* Folsom as identified by Handschin 1920 (979) p. 25, is not the same species as *O. pseudofimetarius*, as described by Folsom 1917 (788) p. 650.
From examination of the relevant literature I found the species identical in structure except for slight differences in the numbers of pseudocelli on the body tergites. As stated in my paper in 1959 (1719) I do not consider minute variations of this nature of specific value, and hence I now place Denis' species *O. fimetarioides* as a synonym of Folsom's species *O. pseudofimetarius.*

1922. *Onychiurus stillicidii* Latzel (1250) p. 56; Austrian Alps.
1931. *Onychiurus stillicidii* Bonet (205) p. 379; Czechoslovakian caves.
1934. *Onychiurus stillicidii* Stach (1876) p. 184, Pl. 36, European caves.
1937. *Onychiurus stillicidi* Frenzel (828) p. 316; Ecology.
1937. *Aphorura stillicidii* Hesse, etc. (1052) p. 528; Ecology.
1951. *Onychiurus stillicidii* Stach (1889) p. 30; fig. 16-A.
1954. *Onychiurus stillicidii* Stach (1891) p. 62; Yugoslavia, Czechoslovakia.
1960. *Onychiurus stillicidii* Gisin (2271)p. 147; Yugoslavia.

Onychiurus subambulans Denis, 1935

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1935. *Onychiurus subambulans* Denis (656) p. 32, figs. 1–3; France.
1937. *Onychiurus subambulans* Bagnall (116) p. 147; Ad. description, Scotland.
1960. *Onychiurus subambulans* Gisin (2271) p. 147, fig. 281; France, Britain.

Onychiurus subantarcticus Salmon, 1949

TYPE, PARATYPES: Dom. Mus., Wellington, N.Z.
1949. *Onychiurus subantarcticus* Salmon (1689) p. 15, figs. 40–43; Campbell Island.

Onychiurus subcadaverinus Denis, 1931

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1931. *Onychiurus subcadaverinus* Denis (638) p. 102, Costa Rica.
1933. *Onychiurus subcadaverinus* Denis (645) p. 233; Costa Rica.

Onychiurus subcirculans Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus subcirculans* Gisin (2472) p. 17, fig. 20; South Italy.

Onychiurus subcribrosus Gisin, 1957

TYPE: Mus. Hist. Natur., Geneva.
1957. *Onychiurus subcribrosus* Gisin (900) p. 484; Switzerland.
1960. *Onychiurus subcribrosus* Gisin (2270) p. 92; Switzerland.
1960. *Onychiurus subcribrosus* Gisin (2271) p. 134; Switzerland.

Onychiurus sublegans Gisin, 1960

TYPE: Mus. Hist. Natur., Geneva.
1960. *Onychiurus sublegans* Gisin (2371) p. 317, figs. 8–11; Germany.

Onychiurus subparallatus Selga, 1962

1962. *Onychiurus subparallatus* Selga (2583) p. 32, fig. 1; Spain.

Onychiurus trinotatus Gisin, 1961

HOLOTYPE, PARATYPE: Deutsch. Ent. Inst., Berlin.
1961. *Onychiurus trinotatus* Gisin (2468) p. 340, fig. 13; Germany.

Onychiurus trisilvarius Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Onychiurus trisilvarius* Gisin (2472) p. 15, figs. 17–18; Austria.

Onychiurus variabilis Stach, 1954

1954. *Onychiurus variabilis* Stach (1891) pp. 63, 164, Pl. XXI; Poland.
1955. *Onychiurus variabilis* Stach (1893) p. 56, figs. 114-116, Poland.
1960. *Onychiurus variabilis* Gisin (2271) p. 141; Poland, Russia.
1960. *O. (Onychiurus) variabilis* Grindbergs (2373) p. 35; U.S.S.R.

Onychiurus wilchi Wray, 1950

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina; and COTYPE: Illinois State Nat. His. Surv., Urbana, Illinois.
1950. *Onychiurus wilchi* Wray (2201) p. 98; figs. 18–25; U.S.A.

Onychiurus willemi (Börner) 1901

PARATYPES: Brit. Mus. Nat. Hist., London.
1901. *Aphorura Willemi* Börner (231) p. 333; figs. 1 and 2; Germany.
1954. *Onychiurus willemi* Stach (1891) p. 58; Germany.

Genus: PARONYCHIURUS Bagnall, 1948 (125) p. 633.
= *Argonychiurus* Bagnall, 1949 (128) p. 502.
Type species fixed: *P. ramosus* (Folsom) by Bagnall. 1948 (125) p. 633.

Paronychiurus agilis (Moniez) 1889, nov. comb.

1889. *Lipura agilis* Moniez (1441) p. 30; France.
1891. *Lipura agilis* Moniez (1447) p. 70; France.
1923. *Onychiurus agilis* Denis (611) p. 218; Systematics.
1924. *Onychiurus agilis* Denis (614) p. 291; France.
1955. *Onychiurus agilis* Chopard (434) p. 19; France.

Paronychiurus anellii (Denis) 1937, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France
1937. *Onychiurus anelli* Denis (663) p. 53; Italy.
1938. *Onychiurus anellii* Denis (665) p. 100; Italy.
1960. *Onychiurus anellii* Gisin (2271) p. 145; Italy.

Paronychiurus antheuli (Denis) 1936, nov. comb.

TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1936. *Onychiurus antheuli* Denis (658) p. 82; France.
1949. *Onychiurus antheuli* Gisin (872) p. 401; Taxonomy; Switzerland.
1952. *Onychiurus antheuli* Gisin (882) p. 18; Switzerland.
1956. *Onychiurus antheuli* Bockemuhl (193) p. 136; Spitzbergen.
1960. *Onychiurus antheuli* Gisin (2270) p. 87, fig. 1; Switzerland.
1960. *Onychiurus antheuli* Gisin (2271) pp. 137–138; France.

Paronychiurus antheuli aellenii (Gisin) 1960, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1960. *Onychiurus antheuli aellenii* Gisin (2270) p. 88, fig. 3; Switzerland.

Paronychiurus antheuli thesauri (Gisin) 1960, nov. comb.

TYPE: Mus. Hist. Natur., Geneva.
1960. *Onychiurus antheuli thesauri* Gisin (2270) p. 88, fig. 2; France.

Paronychiurus argus (Willem) 1902, nov. comb.

1902. *Aphorura severini* Willem (2133) p. 277; Europe.
1924. *Onychiurus argus* Denis (615) p. 197; France.
1925. *Onychiurus argus* Denis (618) p. 560, fig. III; France.
1931. *Onychiurus argus* Bonet (205) pp. 306, 378; in caves; France, Spain.
1942. *Onychiurus argus* Marlier (1375) p. 8; Belgium.
1945. *Onychiurus argus* Del. Deb. (600) p. 16; cave in Pyrenees.
1954. *Onychiurus argus* Gisin (888) p. 129; France.
1954. *Onychiurus argus* Stach (1891) p. 54.
1960. *Onychiurus argus* Gisin (2271) p. 136; Pyrenees, France, Spain, Belgium.

Paronychiurus bergamarius (Gisin) 1956, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus bergamarius* Gisin (897) p. 350; Italy.
1960. *Onychiurus bergamarius* Gisin (2271) p. 143, fig. 276; Italy.

Paronychiurus bertrandi (Denis) 1936, nov. comb.
TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1936. *Onychiurus bertrandi* Denis (657) p. 142; France.
1960. *Onychiurus bertrandi* Gisin (2271) p. 135; France.

Paronychiurus bureschi (Handschin) 1928, nov. comb.
1928. *Onychiurus bureschi* Handschin (1004) p. 23; figs. 7–10; incaves, Bulgaria.
1929. *Onychiurus bureschi* Handschin (1008) p. 48, fig. 76; Bulgaria.
1931. *Onychiurus bureschi* Bonet (205) p. 378, Bulgaria.
1938. *Onychiurus bureschi* Kseneman (1220) p. 12; Bulgaria.
1938. *Onychiurus bureschi* Drenowski (696) p. 111; Bulgaria.
1946. *Onychiurus bureschi* Stach (1884) p. 17; Bulgaria.
1954. *Onychiurus bureschi* Stach (1891) p. 142; Pl. XV, figs. 6-10; East Europe.
1960. *Onychiurus bureschi* Gisin (2271) p. 143; Europe.
1960. *O. (Onychiurus) bureschi* Grindbergs (2373) p. 35; U.S.S.R.

Paronychiurus cavernicolus (Stach) 1934, nov. comb.
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1934. *Onychiurus cavernicolus* Stach (1876) p. 212, Pl. XLIII, Austria.
1954. *Onychiurus cavernicolus* Cassagnau (420) p. 35; France.
1960. *Onychiurus cavernicolus* Gisin (2271) p. 132; Austrian Alps.

Paronychiurus cebannarius (Gisin) 1956, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus cebennarius* Gisin (897) p. 348; France.
1960. *Onychiurus cebennarius* Gisin (2271) p. 143; France.

Paronychiurus conjungens (Börner) 1909.
TYPE: Brit. Mus. Nat. Hist., London.
1909. *Protaphorura conjungens* Börner (246) p. 104; Japan.
1929. *Onychiurus conjungens* Denis (632) p. 167; Systematics.
1938. *Protaphorura conjungens* Uchida (2015) p. 7; Japan.
1955. *Onychiurus conjungens* Uchida (2034) p. 201; China.
1957. *Onychiurus conjungens* Uchida (2041) p. 19; Japan.
1959. *Paronychiurus conjungens* Salmon (1719) p. 151; figs. 69-71; Ad. description.

Paronychiurus denisi (Stach) 1934, nov. comb.
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1934. *Onychiurus denisi* Stach (1876) p. 191, Pl. XXXVII; Poland.
1936. *Onychiurus denisi* Stammer (1900) p. 211; European Alps.
1937. *Onychiurus denisi* Frenzel (828) p. 296; Ecology.
1939. *Onychiurus denisi* Stach (1881) p. 398; European Alps.
1954. *Onychiurus denisi* Stach (1891) p. 151, Pl. XVIII; Poland.
1955. *Onychiurus denisi* Palissa (1545) p. 482; Ecology.
1959. *Onychiurus denisi* Stach (1896) p. 8; Poland.
1960. *Onychiurus denisi* Gisin (2271) p. 135; Poland.

Paronychiurus edinensis (Bagnall) 1935, nov. comb.
TYPE AND PARATYPES: Brit. Mus. Nat. Hist., London.
1935. *Onychiurus edinensis* Bagnall (110) p. 117; Scotland.
1939. *Onychiurus edinensis* Bagnall (117) p. 23; Britain.
1952. *Onychiurus spinularius* Gisin (882) p. 15; Switzerland.
1959. *Paronychiurus edinensis* Salmon (1719) p. 151 figs. 82–84; Ad. description.
1960. *Onychiurus edinensis* Gisin (2271) p. 146; Scotland.
1960. *Onychiurus spinularius* Gisin (2271) p. 146; fig. 280; Switzerland, Scotland.
1960. *Onychiurus edinensis* Murphy (2386) p. 51; Synonymy.
1960. *Onychiurus spinularius* Murphy (2386) p. 51; Synonymy.

Paronychiurus fazii (Christiansen) 1956, nov. comb.
HOLOTYPE and PARATYPES: Auth. Pers. Colln.
1956. *Onychiurus fazii* Christiansen (443) p. 130, Pl. 7, figs. 12-15; Lebanon, Syria.
1960. *Onychiurus fazii* Gisin (2271) p. 141; Lebanon, Syria.

Paronychiurus fistulosus (Gisin) 1956, nov. comb.
TYPE: Mus. Hist. Natur., Geneva.
1956. *Onychiurus fistulosus* Gisin (897) p. 345, fig. 1; Switzerland.
1960. *Onychiurus fistulosus* Gisin (2270) p. 90; France, Switzerland.
1960. *Onychiurus fistulosus* Gisin (2271) p. 134, fig. 259; Switzerland.

Paronychiurus flavescens (Kinoshita) 1916, nov. comb.
1916. *Onychiurus flavescens* Kinoshita (1172) p. 458; Japan.
1938. *Onychiurus flavescens* Uchida (2015) p. 7; Japan.
1954. *Onychiurus flavescens* Yosii (2231) p. 799, fig. 18; Japan.
1956. *Onychiurus (Paronychiurus) flavescens* Yosii (2235) p. 57; Pl. XXXIV, figs. 192-193; Japan.
1957. *Onychiurus flavescens* Uchida (2041) p. 20; Japan.

Paronychiurus formosanus (Denis) 1929, nov. comb.
TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1929. *Onychiurus formosanus* Denis (633) p. 307; fig. II; Formosa.
1938. *Onychiurus formosanus* Uchida (2015) p. 7; Japan.
1957. *Onychiurus formosanus* Uchida (2041) p. 20; Formosa.

Paronychiurus formosanus japonica (Yosii) 1956, nov. comb.
TYPE: Auth. Pers. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Onychiurus (Paronychiurus) formosanus japonica* Yosii (2235) p. 57, Pl. XXXI, figs. 178–182; Pl. XXXII, fig. 183; Japan.

Paronychiurus granulosus (Stach) 1930, nov comb.
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Onychiurus granulosus* Stach (1869) p. 285; Alps, Italy, Poland, Hungary, Bulgaria.
1934. *Onychiurus granulosus* Stach (1876) p. 196; Pl. 39; European caves.
1937. *Onychiurus granulosus* Drenowski (695) p. 2; Bulgaria.
1937. *Onychiurus granulosus* Kseneman (1217) p. 468; Carpathians.

1938. *Onychiurus granulosus* Kseneman (1219) p. 108; Alpine.
1938. *Onychiurus granulosus* Kseneman (1220) p. 12; Europe.
1939. *Onychiurus granulosus* Stach (1881) p. 398; Alpine caves.
1943. *Onychiurus granulosus* Gisin (853) p. 152, Switzerland.
1951. *Onychiurus pseudogranulosus* Del. Deb. & Gisin (598) p. 3; Italy.
1951. *Onychiurus granulosus* Praport (1610) p. 140; Poland.
1954. *Onychiurus granulosus* Stach (1891) p. 146, Pl. XVII; Europe.
1955. *Onychiurus pseudogranulosus* Gisin (890) p. 142; Switzerland.
1956. *Onychiurus pseudogranulosus* Gisin (897) p. 346; Switzerland, Italy, France.
1956. *Proisotoma granulosa* Loksa (1310) p. 387; Ecology.
1956. *Onychiurus granulosus* Paclt (1540) p. 354; Europe.
1957. *Onychiurus granulosa* Gunhold (2280) p. 470; Ecology.
1958. *Onychiurus granulosus* Nosek (1503) p. 358; Czechoslovakia.
1959. *Onychiurus granulosus* Da Gama (2266) p. 12; Portugal.
1959. *Onychiurus pseudogranulosus* Franz & Gunhold (2369) p. 50; Communities.
1959. *Onychiurus pseudogranulosus* Haybach (2375) Tab. VIII; Ecology.
1959. *Onychiurus granulosus* Paclt (2317) p. 338; Czechoslovakia.
1959. *Onychiurus granulosus* Stach (1896) p. 7; Poland.
1960. *Onychiurus granulosus* Gisin (2271) p. 145; Europe.
1960. *Onychiurus pseudogranulosus* Gisin (2271) p. 145; figs. 277 and 278; Europe.
1960. *O.* (*Onychiurus*) *granulosus* Grindbergs (2373) p. 35; U.S.S.R.

Paronychiurus granulosus denticulatus (Stach) 1934, nov. comb.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1934. *Onychiurus granulosus denticulata* Stach (1876) p. 198; Poland.
1938. *Onychiurus granulosus denticulata* Kseneman (1220) p. 12; Europe.
1954. *Onychiurus granulosus denticulata* Stach (1891) p. 147; Poland.

Paronychiurus imadatei (Yosii) 1956, nov. comb.

TYPE: Auth. Pers. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Onychiurus* (*Paronychiurus*) *imadatei* Yosii (2235) p. 58, Pl. XXXII, figs. 184–189; Pl. XXXIII, figs. 190–191; Japan.

Paronychiurus longisetosus (Stach) 1954, nov. comb.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1954. *Onychiurus longisetosus* Stach (1891) pp. 51, 145, Pl. XVI; Carpathians.
1960. *Onychiurus longisetus* Gisin (2271) p. 144, fig. 279; Carpathians.
1960. *O.* (*Onychiurus*) *longisetosus* Grindbergs (2373) p. 35; U.S.S.R.

Paronychiurus millsi (Salmon) 1959

TYPE AND PARATYPES: Brit. Mus. Nat. Hist., London.
1959. *Paronychiurus millsi* Salmon (1719) p. 155; figs. 78–81; Iowa.

Paronychiurus papillaeferus (Stach) 1946, nov. comb.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1946. *Onychiurus papillaeferus* Stach (1884) p. 20, Pl. VI, figs. 1–7; Austria.
1950. *Onychiurus papillaeferus* Gisin (876) p. 94; Italy, caves.
1951. *Onychiurus papillaeferus* Del. Deb. & Gisin (597) p. 134; Italy.
1960. *Onychiurus papillaeferus* Gisin (2271) p. 131; Italy, Austria.

Paronychiurus paucituberculatus (Stach) 1930, nov. comb.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Onychiurus paucituberculatus* Stach (1869) p. 285; Yugoslavia.
1931. *Onychiurus paucituberculatus* Bonet (205) p. 378; Hungary.
1934. *Onychiurus paucituberculatus* Stach (1876) p. 194; European caves.
1960. *Onychiurus paucituberculatus* Gisin (2271) p. 131; Yugoslavia.

Paronychiurus postumicus (Bonet) 1931, nov. comb.

TYPE: Museum of Madrid.
1931. *Onychiurus postumicus* Bonet (206) p. 95, fig. 1; Italy.
1901. *Aphorura inermis** Absolon (8) p. 410.
1901. *Aphorura spelaea*‡ Absolon (12) p. 101.
1901. *Aphorura inermis* Börner (235) p. 97.
1931. *Onychiurus postumicus* Bonet (205) p. 378; Carso, in caves.
1934. *Onychiurus postumicus* Stach (1876) p. 202, Pl. 41; European caves.
1951. *Onychiurus postumicus* Stach (1889) p. 30, fig. 16-C.
1954. *Onychiurus postumicus* Stach (1891) p. 51; Yugoslavia.
1956. *Onychiurus postumicus* Paclt (1541) p. 14, fig. 9; Biology.
1960. *Onychiurus postumicus* Gisin (2271) p. 145; Yugoslavia.

Paronychiurus ramosus (Folsom) 1917, nov. comb.

COTYPES: U.S. Nat. Mus., Washington, D.C.
1917. *Onychiurus ramosus* Folsom (788) p. 648, Pl. 69, fig. 8; Pl. 76, figs. 76-77; Pl. 77, figs. 78-82; Illinois.
1933. *Onychiurus ramosus* Folsom (802) p. 937; U.S.A.
1933. *Onychiurus ramosus* James (1124) p. 86; Canada.
1934. *Onychiurus ramosus* Mills (1417) p. 34, fig. 75; Iowa.
1938. *Onychiurus ramosus* Brimley (275) p. 15; North Carolina.
1938. *Onychiurus ramosus* Mills (1421) p. 15; North Carolina.
1953. *Onychiurus ramosus* Hammer (972) p. 45; North Canada.

* This synonymy is given by Stach (1891) but Absolon (16) is speaking of *A. inermis* Tullb. and Stach's synonymy is therefore incorrect.

‡ Another synonymy given by Stach (1891) but after careful comparison of Absolon's description of *A. spelaea* with Bonet's description of *O. postumicus* I cannot agree with Stach's contention.

Paronychiurus sensitivus (Handschin) 1928, nov. comb.

1928. *Onychiurus sensitivus* Handschin (1004) p. 22; figs. 1–6; Bulgarian caves.
1929. *Onychiurus sensitivus* Handschin (1008) p. 49, figs. 77–79; Bulgaria.
1931. *Onychiurus sensitivus* Bonet (205) p. 378; Bulgaria.
1938. *Onychiurus sensitivus* Drenowski (696) p. 111; Bulgaria.
1960. *Onychiurus sensitivus* Gisin (2271) p. 151; Bulgaria.

Paronychiurus spinosus (Bagnall) 1949

1949. *Onychiuroides spinosus* Bagnall (130) p. 51, Nth. Ireland.
1954. *Onychiurus spinosus* Stach (1891) p. 57; North
1959. *Paronychiurus spinosus* Salmon (1719) p. 154; Ad. description.
1960. *Onychiurus spinosus* Gisin (2271) p. 146; North Ireland.

Paronychiurus vandeli (Cassagnau) 1960, nov. comb.

TYPE: Auth. Pers. Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1960. *Onychiurus Vandeli* Cassagnau (2414) p. 405, fig. 1; Pyrenees.

Paronychiurus vornatscheri (Stach) 1946, nov. comb.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1946. *Onychiurus vornatscheri* Stach (1884) p. 23, Pl. VII, figs. 1–9; Styria, Austria.
1960. *Onychiurus vornatscheri* Gisin (2271) p. 132; Austrian Alps.

Genus: ABSOLONIA Börner, 1901 (231) p. 337.

Type species fixed: *A. gigantea* (Absolon) by Börner, 1901 (231); p. 337.

Absolonia gigantea (Absolon) 1901

LECTOTYPE: Brit. Mus. Nat. Hist., London.
1901. *Aphorura gigantea* Absolon (16) p. 85; figs. 3–5; Central Europe.
1901. *Absolonia gigantea* Börner (231) p. 337; Yugoslavia.
1901. *Aphorura gigantea* Viré (2061) p. 171; Czechoslovakia.
1901. *Aphorura gigantea* Viré (2062) p. 107, figs. 1–2, 8, 10; France.
1912. *Onychiurus giganteus* Axelson (1292) p. 1; Finland.
1922. *Onychiurus giganteus* Latzel (1250) p. 56; Austrian Alps.
1929. *Onychiurus giganteus* Handschin (1008) p. 47; Austria.
1931. *Onychiurus giganteus* Bonet (205) p. 378, Carso.
1934. *Onychiurus giganteus* Stach (1876) p. 207, Pl. 42; European caves.
1937. *Onychiurus giganteus* Denis (663) p. 53, Italy.
1937. *Aphorura gigantea* Hesse, etc. (1052) p. 531; Ecology.
1938. *Onychiurus giganteus* Denis (665) p. 99; Italy.
1943. *Onychiurus giganteus* Tarsia in Curia (1956) p. 52; Italy.
1954. *Onychiurus giganteus* Stach (1891) p. 51; Yugoslavia.
1959. *Absolonia gigantea* Salmon (1719) p. 149; figs. 66–68; Ad. description.
1960. *Onychiurus giganteus* Gisin (2271) p. 171; Czechoslovakia.

Genus: PSYLLAPHORURA Bagnall 1948 (125) p. 640.

Type species fixed: *P. obesa* (Mills) by Bagnall, 1948 (125) p. 640.

Psyllaphorura millsi (Chamberlain) 1943, nov. comb.

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1943. *Onychiurus millsi* Chamberlain (431) p. 42, pl. 1, figs. 1–7; U.S.A.

Psyllaphorura obesa (Mills) 1934, nov. comb.

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Onychiurus obesus* Mills (1417) p. 35, figs. 2, 77–81; Iowa.
1948. *Psyllaphorura obesus* Bagnall (125) p. 640; Taxonomy.
1960. *Onychiurus obesus* Christiansen (2364) p. 43; North American caves.

Genus: PSEUDONYCHIURUS Bagnall, 1948 (125) pp. 633, 634.
= *Neonychiurus* Bagnall 1949 (128) p. 501; Salmon 1959 (1719) p. 128.

Type species fixed: *P. dentatus* (Folsom) by Bagnall, 1948 (125) p. 633.

Pseudonychiurus dentatus (Folsom) 1902

COTYPES: Illinois State Nat. Hist. Surv., Urbana, U.S.A.; and U.S. Nat. Mus., Washington, D.C.
1902. *Aphorura dentata* Folsom (781) p. 91, Pl. VII, figs. 29–36; Alaska.
1917. *Onychiurus dentatus* Folsom (788) p. 647, Pl. 69, fig. 7; Pl. 75, figs. 65–68; Pl. 76, figs. 69–75; Alaska.
1923. *Aphorura dentata* McAtee (1336) p. 139; North America.
1932. *Onychiurus dentatus* Brown (312) p. 339; Arctic.
1939. *Onychiurus dentatus* Mills (1422) p. 159; Pribylov Islands.
1948. *Pseudonychiurus dentatus* Bagnall (125) p. 634; Taxonomy.
1954. *Onychiurus dentatus* Stach (1891) p. 55; North America.
1959. *Pseudonychiurus dentatus* Salmon (1719) p. 128; Taxonomy.

Pseudonychiurus oreadis (Mills) 1935, nov. comb.

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1935. *Onychiurus oreadis* Mills (1418) p. 133; North America.
1950. *Onychiurus mai* Wray (2203) p. 91, figs. 6–11; Utah.
1953. *Onychiurus oreadis* Hammer (972) p. 45; North Canada.
1954. *Onychiurus oreadis* Stach (1891) p. 77.
1959. *Onychiurus oreadis* Wilkey (2350) p. 223; California.

Pseudonychiurus perforatus (Handschin) 1921, nov. comb.

1921. *Onychiurus perforatus* Handschin (979) p. 22, figs. 41–44; Switzerland.
1924. *Onychiurus perforatus* Handschin (981) p. 104; Switzerland.
1926. *Onychiurus perforatus* Handschin (988) p. 23, figs. 15, 20.
1929. *Onychiurus perforatus* Handschin (1008) p. 48, figs. 74 and 75; Switzerland.
1943. *Onychiurus perforatus* Gisin (853) p. 152; Switzerland.
1952. *Onychiurus perforatus* Aellen (31) p. 145; Switzerland.
1960. *Onychiurus perforatus* Gisin (2271) p. 135; Swiss Alps.
1960. *O.* (*Onychiurus*) *perforatus* Grindbergs (2373) p. 35; U.S.S.R.

Pseudonychiurus spelaeus (Absolon) 1900, nov. comb.

1900. *Aphorura spelaea* Absolon (8) p. 411, figs. 7 and 8; Czechoslovakia.
1901. *Aphorura spelaea* Absolon (11) p. 38; Czechoslovakia.
1901. *Aphorura spelaea* Absolon (12) p. 102, figs. 10 and 11; Systematics.
1901. *Aphorura spelaea* Absolon (16) p. 84, fig. 2C; European Alps.
1902. *Aphorura spelaea* Willem (2133) p. 278; Belgium.
1923. *Onychiurus spelaeus* Ionesco (1108) p. 374; Carpathians.
1937. *Onychiurus spelaeus* Frenzel (828) p. 316; Ecology.

Pseudonychiurus spelaeus multipunctatus (Absolon) 1901, nov. comb.

1901. *Aphorura spelaea multipunctata* Absolon (11) p. 38; Czechoslovakia.

Species indeterminatae in Fam. Onychiuridae

Aphorura sexpunctata Schaeffer, 1897 (1736) p. 6, figs. 3 and 4; Chile.
Aphorura troglocarpathica Absolon, 1901 (18) p. 381; Europe.
Lipura alba Joseph, 1881 (1149) p. 254; caves, South Austria.
1889. *Lipura bipunctata* Moniez (1441) p. 31; France.
1891. *Lipura bipunctata* Moniez (1447) p. 71; France.
1924. *Onychiurus bipunctatus* Denis (614) p. 291; France.
Lipura cirragera Moniez, 1893 (1448) p. 85; France.
1896. *Lipura cirrigera* Hamann (965) pp. xiii, 296; European var.
Lipura longipes von Olfers, 1907 (1506) p. 26, fig. 70; Germany.
Lipura noctiluca Dubois, 1896 (700) p. 418; luminous collemb., Europe.
1913. *Lipura noctiluca* Barber (142) p. 48; luminous collemb.
1956. *Lipura noctiluca* Paclt (1541) p. 83; Biology.
Onychiurus matsumotoi Kinoshita, 1923, *in litt.*
1931. *Onychiurus matsumotoi* Matsumura & Uchida (1386) p. 2, with figs; Japan.
1938. *Onychiurus matsumotoi* Uchida (2015) p. 7; Japan.
1954. *Onychiurus matsumotoi* Yosii (2230) p. 140; Japan.
1955. *Onychiurus matsumotoi* Uchida (2034) p. 198; Japan.
1956. *Onychiurus matsumotoi* Paclt (1541) p. 123; Gen. Economics?
1957. *Onychiurus matsumotoi* Uchida (2041) p. 20; Japan.
1959. *Onychiurus matsumotoi* Paclt (2316) p. 36; South Africa.
* *Onychiurus stachianus* Rusek, 1959 (2326) p. 95; Yugoslavia.

Family: HYPOGASTRURIDAE Börner, 1913 (249) p. 319

Genus: ACHERONTIDES Bonet, 1945 (216), p. 27.
Cf. *Acherontides* Del. Deb. 1948 (558), p. 52.

Type species fixed: *A. atoyacense* Bonet, 1945 (216), p. 28.

Acherontides aspinatus Stach, 1959

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1959. *Acherontides aspinatus* Stach (2340) p. 426, Pl. 1, figs. 1–7; Afghanistan.

Acherontides atoyacense Bonet, 1945

PARATYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1945. *Acherontides atoyacense* Bonet (216) p. 28, Pl. III, figs. 24–31; Mexico.
1948. *Acherontides atoyacense* Del. Deb. (558) p. 55; Mexico.
1959. *Acherontides atoyacense* Stach (2340) p. 435; Mexico.

Acherontides bisetosus Stach, 1959

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1959. *Acherontides bisetosus* Stach (2340) p. 428, Pl. II, figs. 1-6; Afghanistan.

Acherontides crassus Stach, 1959

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1959. *Acherontides crassus* Stach (2340) p. 431, Pl. III, figs. 1–3; Afghanistan.

Acherontides potosinus Bonet, 1946

1946. *Acherontides potosinus* Bonet (218) p. 53, figs. 1–2; Mexico.
1948. *Acherontides potosinus* Del. Deb. (558) p. 55; Mexico.
1959. *Acherontides potosinus* Stach (2340) p. 434; Mexico.

Acherontides spelaea (Ionesco) 1923

1923. *Beckerella spelaea* Ionesco (1108) p. 236, 4 figs; Roumania.
1948. *Acherontides spelaea* Del. Deb. (558) p. 55; Synonymy.

Acherontides vivax Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Acherontides vivax* Yosii (2234) p. 610, fig. 1; Japan.
1956. *Acherontides vivax* Yosii (2235) p. 19, Pl. V, figs. 49–50; Japan.
1959. *Acherontides vivax* Stach (2340) p. 436; Systematics.

Genus: BISCOIA Salmon, 1962 (2503) p. 147

Type species fixed: *B. sudpolaris* Salmon, 1962 (2503) p. 147.

Biscoia sudpolaris Salmon, 1962

HOLOTYPE, PARATYPE: Dominion Mus., Wellington, New Zealand.
PARATYPES: Author's Pers. Colln.; Bishop Mus., Honolulu; U.S. Nat. Mus., Washington, D.C.; Brit. Mus. Nat. Hist. London.
1962. *Biscoia sudpolaris* Salmon (2503) p. 147, figs. 1–13; Mt. Harcourt, Antarctic Continent.

Genus: XENYLLA Tullberg, 1869 (2001) p. 11.

Type species fixed: *X. maritima* Tullberg, by Stach, 1949 (1887) p. 11.

Xenylla acauda Gisin, 1947

TYPE: Mus. Hist. Natur., Geneva.
1947. *Xenylla acauda* Gisin (865) p. 344; Switzerland.
1949. *Xenylla acauda* Stach (1887) p. 202; Switzerland; Systematics.

* The name *stachianus* under this genus has also been used by Bagnall.

1957. *Xenylla acauda* Gisin (898) p. 110; Switzerland.
1958. *Xenylla acauda* von Torne (1993) p. 660; Austria.
1960. *Xenylla acauda* Gisin (2271) p. 61; Europe.
1960. *Xenylla acauda* Grindbergs (2373) p. 27; U.S.S.R.

Xenylla affiniformis Stach, 1930

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1930. *Xenylla affiniformis* Stach (1869) p. 280; Hungary.
1949. *Xenylla affiniformis* Stach (1887) p. 204; Yugoslavia.
1959. *Xenylla affiniformis* Stach (2340) p. 437; Europe.
1960. *Xenylla affiniformis* Gisin (2271) p. 64; Yugoslavia; Systematics.

Xenylla affinis Schaeffer, 1897

1897. *Xenylla affinis* Schaeffer (1736) p. 10, fig. 17; North Coast of Magellan Straits; Subantarctic America.
1949. *Xenylla affinis* Stach (1887) p. 204; Subantarctic America; Systematics.

Xenylla alba Folsom, 1932

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Xenylla alba* Folsom (801) p. 54, Pl. 2, figs. 14–20; Honolulu.
1938. *Xenylla alba* Handschin (1011) p. 139; Hawaiian Islands.
1948. *Xenylla alba* Zimmerman (2237) p. 48, figs. 12 a-g; Honolulu.
1949. *Xenylla alba* Stach (1887) p. 205; Hawaii; Systematics.

Xenylla baconae Folsom, 1916

COTYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1916. *Xenylla baconae* Folsom (787) p. 496, Pl. 18, figs. 143–149; California.
1933. *Xenylla baconae* Mills and Rolfs (1431) p. 78; Washington.
1939. *Xenylla baconae* Coleman (457) p. 3; Sth. Calif.
1941. *Xenylla baconae* Coleman (458) p. 5, fig. 19; Sth. California.
1949. *Xenylla baconae* Stach (1887) p. 207; California.
1950. *Xenylla baconae* Wray (2216) p. 61; Utah.
1956. *Xenylla baconae* Wray and Knowlton (2214) p. 2; Idaho.
1959. *Xenylla baconae* Wilkey (2350) p. 222; California.

Xenylla biroi Stach, 1926

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1926. *Xenylla birói* Stach (1867) p. 81, Pl. II, figs. 1–7; Hungary.
1949. *Xenylla birói* Stach (1887) p. 211; Hungary.
1954. *Xenylla birói* Cassagnau (415) p. 72; France.
1960. *Xenylla birói* Gisin (2271) p. 62, fig. 132; Europe.

Xenylla boerneri Axelson, 1905

1905. *Xenylla börneri* Axelson (80) p. 789; Finland.
1905. *Xenylla börneri* Axelson (81) p. 26; Tvärminne; Finland.
1907. *Xenylla börneri* Axelson (83) p. 128; Finland.
1912. *Xenylla börneri* Axelson (1292) p. 52, Pl. I, fig. 2; Pl. V, figs. 19–21; Finland.
1924. *Xenylla börneri* Handschin (981) p. 94, figs. 29-32; Switzerland; amended descr.
1926. *Xenylla börneri* Brown (307) p. 333; England.
1929. *Xenylla börneri* Brown (309) p. 420; England; Descr.
1929. *Xenylla börneri* Handschin (1008) p. 30; Germany; Finland.
1930. *Xenylla börneri* Womersley (2164) p. 166; Lake District, England.
1932. *Xenylla börneri* Durkop (706) p. 234; Germany.
1936. *Xenylla börneri* Tarsia in Curia (1951) p. 19; Italy.
1937. *Xenylla börneri* Frenzel (828) p. 302; Ecology.
1938. *Xenylla börneri* Kseneman (1220) p. 8; Europe.
1939. *Xenylla börneri* Agrell (44) p. 159; Sweden; Finland; Switzerland.
1941. *Xenylla börneri* Agrell (46) p. 19; Swedish Lapland.
1943. *Xenylla börneri* Agrell (47) p. 124; Sweden.
1943. *Xenylla börneri* Gisin (853) p. 142; Switzerland.
1944. *Xenylla börneri* Gisin (855) p. 8; figs. 4 a-b; Switzerland.
1948. *Xenylla börneri* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Xenylla börneri* Stach (1887) p. 239, Pl. XXV; Poland; West Ukraine; Revised descr.
1949. *Xenylla börneri* Strenzke (1922) p. 250; Germany.
1955. *Xenylla börneri* Goto (921) p. 267; Britain.
1955. *Xenylla börneri* Stach (1896) p. 86, figs. 212, 213; Europe.
1957. *Xenylla börneri* Gisin (898) p. 110; Switzerland.
1957. *Xenylla börneri* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Xenylla börneri* Grindbergs (2277) p. 191; Latvia.
1958. *Xenylla börneri* von Torne (1993) p. 660; Austria.
1960. *Xenylla börneri* Gisin (2271) p. 61, fig. 130; Europe.
1960. *Xenylla boerneri* Grindbergs (2373) p. 27 U.S.S.R.

Xenylla brevicauda Tullberg, 1869

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1869. *Xenylla brevicauda* Tullberg (2001) p. 12; Scandinavia.
1871. *Xenylla brevicauda* Tullberg (2002) p. 154; Sweden.
1872. *Xenylla brevicauda* Tullberg (2003) p. 53; Pl. XI, figs. 9–14; Scandinavia.
1873. *Xenylla brevicauda* Lubbock (1318) p. 188; Europe.
1893. *Xenylla brevicauda* Schott (1765) p. 86; Sweden.
1895. *Xenylla brevicauda* Reuter (1643) p. 32, Pl. II, fig. 12; Finland; Sweden; Hungary.
1898. *Xenylla brevicauda* Scherbakow (1750) p. 58, Kiev, Russia.
1898. *Xenylla brevicauda* Scherbakow (1751) p. 4; Kiev.
1899. *Xenylla brevicauda* Carl (352) p. 286; Switzerland.
1900. *Xenylla brevicauda* Vellay (2056) p. 21; Hungary.
1901. *Xenylla brevicauda* Börner (229) p. 697; fig. 2.
1901. *Xenylla brevicauda* Carl (354) p. 249; Switzerland.
1901. *Xenylla brevicauda* Krausbauer (1204) p. 91; Germany.
1903. *Xenylla brevicauda* Agren (55) p. 126, fig. 9; Sweden; Ad. descrip.
1903. *Xenylla brevicauda* Börner (239) p. 182 = *X. tullbergi.*
1904. *Xenylla brevicauda* Axelson (79) p. 67; Norway.
1904. *Xenylla brevicauda* Carpenter (373) p. 198; Pl. 10A, figs. 1–4; Ireland.
1905. *Xenylla brevicauda* Axelson (81) p. 26; Tvärminne; Finland.
1906. *Xenylla brevicauda* Wahlgren (2080) p. 246; Sweden.
1907. *Xenylla brevicauda* Axelson (83) p. 128; Finland.
1907. *Xenylla brevicauda* Axelson (84) p. 16; N. Finland.
1908. *Xenylla brevicauda* Bagnall (100) p. 83; Britain.

1910. *Xenylla brevicauda* Bagnall (102) p. 499; Britain.
1911. *Xenylla brevicauda* Axelson (1291) p. 7; Norway.
1912. *Xenylla brevicauda* Axelson (1292) p. 51, Pl. V, 15–18; Finland; Scandinavia; Russia; Great Britain; Germany; Ad. descr.
1923. *Xenylla brevicauda* Brown (302) p. 261; England.
1926. *Xenylla brevicauda* Brown (307) p. 333; England.
1927. *Xenylla brevicauda* Denis (629) p. 178; Italy; Taxonomy.
1928. *Xenylla brevicauda* Jackson (1121) p. 301; England.
1929. *Xenylla brevicauda* Edwards (715) p. 312; Ecology.
1929. *Xenylla brevicauda* Handschin (1008) p. 30; Germany; Switzerland; North and Mid. Europe.
1929. *Xenylla brevicauda* Stach (1869) p. 281; Hungary.
1930. *Xenylla brevicauda* Kel'shtein (1161) p. 76; Russia.
1930. *Xenylla brevicauda* Womersley (2168) p. 167; Ireland.
1931. *Xenylla brevicauda* Denis (639) p. 204; Switzerland.
1933. *Xenylla brevicauda* Turk (2007) p. 93; Britain.
1934. *Xenylla brevicauda* Agrell (37) p. 215; Sweden; Ecology.
1937. *Xenylla brevicauda* Henriksen (1043) p. 2; Faroes; Distribution.
1938. *Xenylla brevicauda* Kseneman (1220) p. 8; Europe.
1941. *Xenylla brevicauda* Agrell (46) p. 19; Swedish Lapland.
1943. *Xenylla brevicauda* Agrell (47) p. 124; Sweden.
1943. *Xenylla brevicauda* Delamare-Deboutteville (534) p. 149; France; Taxonomy.
1944. *Xenylla brevicauda* Gisin (855) p. 6; Taxonomy.
1946. *Xenylla brevicauda* Gisin (857) p. 218; Switzerland; Brief descr.
1948. *Xenilla brevicauda* Franz and Beier (821) p. 474; Ecology.
1949. *Xenylla brevicauda* Stach (1887) p. 217, Pl. XXI; Poland; Styria; Revised descr.
1949. *Xenylla brevicauda* Strenzke (1922) p. 205; Germany; Ecology.
1951. *Xenylla brevicauda* Praport (1610) p. 139; Poland.
1951. *Xenylla brevicauda* Schaller (1746) p. 492; Ecology.
1953. *Xenylla brevicauda* Cassagnau (415) p. 72; France.
1955. *Xenylla brevicauda* Stach (1893) p. 86, figs. 210, 211; Europe.
1956. *Xenylla brevicauda* Goto (926) p. 6; Outer Hebrides.
1958. *Xenylla brevicauda* von Torne (1993) p. 660; Austria.
1959. *Xenylla brevicauda* Stach (1896) p. 61; Europe.
1959. *Xenylla brevicauda* Stach (2340) p. 437; Taxonomy.
1960. *Xenylla brevicauda* Bödvarsson (2412) p. 174; The Färoes.
1960. *Xenylla brevicauda* Gisin (2271) p. 62, fig. 131; Europe.
1960. *Xenylla brevicauda* Grindbergs (2279) p. 52; Latvia; Ecology.
1960. *Xenylla brevicauda* Grindbergs (2373) p. 27; U.S.S.R.

Xenylla brevicauda atypica No. 1. Denis, 1927

1927. *Xenylla brevicauda* Tullb. *atypica* No. 1 Denis (629) p. 178; Italy.

Xenylla brevicauda atypica No. 2 Denis, 1927

1927. *Xenylla brevicauda* Tullb. *atypica* No. 2. Denis (629) p. 178; Italy.

Xenylla brevisimilis Stach, 1949

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1949. *Xenylla brevisimilis* Stach (1887) p. 232, Pl. XXIV; Poland.
1951. *Xenylla brevisimilis* Stach (1889) p. 27, fig. 14-J.
1955. *Xenylla brevisimilis* Cassagnau and Del. Deb. (428) p. 370; Lebanon.
1955. *Xenylla brevisimilis* Stach (1893) p. 86, fig. 209; Ad descr.
1958. *Xenylla brevisimilis* von Torne (1993) p. 660; Austria.
1959. *Xenylla brevisimilis* Da Gama (2266) p. 5; Portugal.
1960. *Xenylla brevisimilis* Gisin (2271) p. 64; Europe.

Xenylla brevispina Kinoshita, 1916

1916. *Xenylla brevispina* Kinoshita (1173) p. 494; Yapan.
1938. *Xenylla brevispina* Uchida (2015) p. 6; Japan.
1954. *Xenylla brevispina* Yosii (2231) p. 779, fig. 1; Japan; Systematics.
1956. *Xenylla brevispina* Uchida (2036) p. 27; Japan.

Xenylla canadensis Hammer, 1953

TYPE: Auth. Pers. Colln., Roland, Fredensborg, Denmark.
1953. *Xenylla canadensis* Hammer (972) p. 20, fig. 6; North Canada.

Xenylla carolinensis Wray, 1946

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1946. *Xenylla carolinensis* Wray (2198) p. 80, figs. 8–16; North Carolina.
1950. *Xenylla carolinensis* Wray (2202) p. 6; North Carolina.

Xenylla cavarai Caroli, 1914

1914. *Xenylla cavarai* Caroli (362) p. 3, figs. 2, 3; Italian Libya.
1934. *Xenylla cavarai* Womersley (2177) p. 467; Italian Libya.
1949. *Xenylla cavarai* Stach (1887) p. 210; Systematics.
1960. *Xenylla cavarai* Gisin (2271) p. 63; Tripoli; Systematics.

Xenylla cavernarum Jackson, 1927

TYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1927. *Xenylla cavernarum* Jackson (1120) p. 486, figs. 8–12; Trinidad.
1931. *Xenylla cavernarum* Bonet (205) p. 252; Trinidad.
1949. *Xenylla cavernarum* Stach (1887) p. 210; Trinidad; Systematics.

Xenylla collis Bacon, 1914

1914. *Xenylla collis* Bacon (94) p. 167; Pl. V, figs. 6-8; California.
1939. *Xenylla collis* Coleman (457) p. 3; S. California.
1941. *Xenylla collis* Coleman (458) p. 6; S. California.

Xenylla constricta von Olfers, 1907

1907. *Xenylla constricta* von Olfers (1506) p. 28, fig. 80; Germany.

Xenylla corticalis Börner, 1901

1901. *Xenylla corticalis* Börner (229) p. 696, fig. 1; Germany.
1903. *Xenylla pallida* Agren (54) p. 126; Sweden; Cf. Axelson (1292).
1905. *Xenylla corticalis* Becker (160) p. 91; Russia.

1906. *Xenylla pallida* Wahlgren (2080) p. 246; Cf. Axelson (1292).
1907. *Xenylla corticalis* Axelson (83) p. 128; Finland.
1911. *Xenylla corticalis* Axelson (1291) p. 7; Norway.
1912. *Xenylla corticalis* Axelson (1292) p. 49, Pl. V, figs. 12–14; Finland; Scandinavia; Russia; Germany; Systematics.
1929. *Xenylla corticalis* Handschin (1008) p. 30, fig. 37; Germany; Nth. Europe.
1941. *Xenylla corticalis* Buitendijk (336) p. 21, fig. 4; Netherlands; Marburg; North Europe.
1949. *Xenylla corticalis* Stach (1887) p. 209; Europe.
1951. *Xenylla corticalis* Schaller (1746) p. 463; Ecology.
1958. *Xenylla corticalis* Grindbergs (2277) p. 191; Latvia.
1960. *Xenylla corticalis* Gisin (2271) p. 63; Germany; Systematics.
1960. *Xenylla corticalis* Grindbergs (2373) p. 27; U.S.S.R.

Xenylla duchesnea Wray, 1958

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1958. *Xenylla duchesnea* Wray (2212) p. 10, fig. 2; Utah.

Xenylla franzi Steiner, 1955

1955. *Xenylla franzi* Steiner (1906) p. 332; fig. 6; Spain.
1960. *Xenylla franzi* Gisin (2271) p. 65, fig. 138; Spain.

Xenylla gracilis Guthrie, 1903

1903. *Xenylla gracilis* Guthrie (951) p. 95, Pl. XI, figs. 12–15; Minnesota.
1916. *Xenylla gracilis* Folsom (787) p. 497, Pl. 19, figs. 198–161; Mississippi; Orig. descr.

Xenylla grisea Axelson, 1900

COTYPE: Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1900. *Xenylla grisea* Axelson (75) p. 108; Finland.
1903. *Xenylla gracilis* Guthrie (951) p. 1; Minnesota; Cf. Gisin (855).
1905. *Xenylla grisea* Axelson (81) p. 26; Tvärminne, Finland.
1905. *Xenylla grisea* Axelson (82) p. 7; Revals, Russia.
1907. *Xenylla grisea* Axelson (83) p. 128; Finland.
1910. *Xenylla grisea* Collinge and Shoebotham (472) p. 101; England.
1911. *Xenylla grisea* Axelson (1291) p. 7; Norway.
1912. *Xenylla grisea* Axelson (1292) p. 48, Pl. I, fig. 1; Pl. V, figs. 7-11; Finland; Systematics.
1914. *Xenylla cavarai* Caroli (362) pp. 1–10; Libya; *Syn. nov.* Gisin (855).
1918. *Xenylla grisea* Brown (296) p. 185; England.
1919. *Xenylla grisea* Brown (297) p. 64; England.
1923. *Xenylla grisea* Womersley (2147) p. 30; S.W. England.
1925. *Xenylla grisea* Womersley (2148) p. 168; S.W. England.
1926. *Xenylla grisea* Stirnimann (1907) p. 251; Ecology.
1926. *Xenylla grisea* Womersley (2153) p. 218; S.W. England.
1927. *Xenylla cavernarum* Jackson (1120) p. 485; Trinidad; *Syn. nov.* Cf. Gisin (855).
1929. *Xenylla grisea* Handschin (1008) p. 31, fig. 39; Germany; Norway; Finland; England.
1930. *Xenylla grisea* Womersley (2168) p. 169; Ireland.
1931. *Xenylla grisea* Denis (638) pp. 75, 162; Costa Rica; Europe; Taxonomy.
1933. *Xenylla grisea* Denis (646) p. 184; Italy; Taxonomy.
1933. *Xenylla grisea* Turk (2007) p. 93; Britain.
1933. *Xenylla grisea* Womersley (2176) p. 53, Text-fig. 1, i-k; Australia.
1934. *Xenylla grisea* Agrell (37) p. 217; Sweden; Ecology.
1934. *Xenylla grisea* Mills (1417) p. 15, fig. 23; Iowa.
1939. *Xenylla grisea* Agrell (44) p. 167; Sweden.
1939. *Xenylla grisea* Womersley (2190) p. 94, figs. 41, j-k; South Australia.
1943. *Xenylla grisea* Agrell (47) p. 124; Sweden.
1943. *Xenylla grisea* Gisin (853) p. 144; Switzerland.
1944. *Xenylla grisea* Gisin (855) p. 10, fig. 5 f; Taxonomy; Synonymy.
1949. *Xenylla grisea* Stach (1887) p. 223, Pl. XXII; Poland; West Ukraine; Revised descr.
1951. *Xenylla grisea* Schaller (1746) p. 492; Ecology.
1954. *Xenylla grisea* Bellinger (174) p. 18; Connecticut.
1955. *Xenylla grisea* Gridelli (938) p. 40; Venice.
1955. *Xenylla grisea* Stach (1893) p. 84; figs. 205, 206; Cosmopolitan.
1956. *Xenylla grisea* Bockemuhl (193) p. 130; Spitzbergen.
1956. *Xenylla grisea* Husmann (1084) p. 144; Germany.
1957. *Xenylla grisea* Paclt (1543) p. 2; Europe.
1959. *Xenylla grisea* Da Gama (2266) p. 5; Portugal.
1959. *Xenylla grisea* Stach (2340) p. 437; Taxonomy.
1959. *Xenylla grisea* Wilkey (2350) p. 222; California.
1960. *Xenylla grisea* Gisin (2271) p. 63, fig. 135; Europe; Systematics.
1960. *Xenylla grisea* Grindbergs (2373) p. 27; U.S.S.R.

Xenylla grisea bidentata Denis, 1931

1927. *Xenylla brevicauda atyp.* Denis (629) p. 178, *ad partem.*
1931. *Xenylla grisea bidentata* Denis (638) p. 75; Costa Rica.

Xenylla grisea brevifurcata Denis, 1931

1931. *Xenylla grisea brevifurcata* Denis (638) p. 75; Costa Rica.

Xenylla grisea decolor Axelson, 1904

1904. *Xenylla grisea decolor* Axelson (79) p. 69; Norway.
1907. *Xenylla grisea decolor* Axelson (83) p. 128; Finland.
1912. *Xenylla grisea decolor* Axelson (1292) p. 49; Finland.

Xenylla grisea principalis Denis, 1931

1927. *Xenylla brevicauda atyp.* Denis (629) p. 178, *ad partem.*
1931. *Xenylla grisea principalis* Denis (638) p. 75; Costa Rica.

Xenylla hadialii Baijal, 1955

COTYPES: Zool. Surv. India, Calcutta.
1955. *Xenylla hadialii* Baijal (132) p. 532, 5 figs; Himalayas.

Xenylla helena Scott (D.B.), 1937

1937. *Xenylla helena* Scott (1795) p. 133, figs. 1–5; California.

Xenylla humicola (Fabricius), 1780

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1780. *Podura humicola* Fabricius (751) p. 213; Norway; Greenland.
1783. "Jordpoduren" (= *P. humicola*) Fabricius (752) p. 296, fig. 1 A-D; Europe.
1793. *Podura humicola* Gmelin (910) p. 2911; Europe.

1841. *Podura humicola* Bourlet (261) p. 54; Europe.
1843. *Podura humicola* Bourlet (265) p. 60; Europe.
1872. *Achorutes viaticus* Tullberg (2003) p. 50; Pl. 6 X, figs. 7–20; Scandinavia; Cf. Meinert (1399).
1873. *Achorutes humicola* Lubbock (1318) p. 183; Norway; Greenland.
1873. *Achorutes murorum* Lubbock (1318) p. 182; Cf. Meinert (1399).
1873. *Isotoma humicola* Packard (1521) p. 35; Cf. MacGillivray (1341).
1876. *Xenylla humicola* Reuter (1643) p. 32, Pl. II, fig. 10; Finland; Greenland; Bear I.; Novaya Zemlya.
1876. *Xenylla humicola* Tullberg (2004) pp. 39, 42; Pl. X, figs. 44–46; Greenland; Bear I.; Novaya Zemlya.
1889. *Xenylla humicola* Moniez (1441) p. 29; France.
1891. *Xenylla humicola* Macgillivray (1341) p. 274; Norway; Sweden; Greenland; Synonymy.
1895. *Xenylla maritima* Reuter (1643) p. 32, ***pro parte;*** Finland; Cf. Axelson (1292).
1896. *Xenylla humicola* Meinert (1399) p. 171; Greenland.
1896. *Achorutes maritima* Meinert (1399) p. 170; Greenland; Cf. Folsom (787).
1896. *Xenylla humicola* Schaeffer (1735) p. 170; Pl. II, fig. 43; Germany.
1898. *Xenylla humicola* Jacobson ? Cf. Axelson (1292).
1899. *Xenylla humicola* Carpenter and Evans (402) p. 253, Pl. VIII, figs. 11–14; Scotland.
1899. *Xenylla humicola* Wahlgren (2073) p. 186; Sweden.
1900. *Xenylla humicola* Schaeffer (1738) p. 242; Greenland; Jan Mayen I.; Bear I.; Novaya Zemlya.
1900. *Xenylla humicola* Skorikow (1833) p. 202; Bear Island; Greenland; Novaya Zemlya; Sweden; Jan Mayen I.; Finland; Germany; Spitzbergen.
1900. *Xenylla humicola* Wahlgren (2076) p. 5; Bear I.
1900. *Xenylla humicola* Wahlgren (2077) pp. 357, 375; Jan Mayen I.; Greenland; Bear I.; Novaya Zemlya.
1901. *Xenylla humicola* Krausbauer (1204) p. 91; Germany.
1902. *Xenylla humicola* **Skorikow (1835) p. 96, Pl. V,** figs. 1, 2; Spitzbergen.
1903. *Xenylla humicola* Agren (55) p. 124, figs. 6, 7; Sweden; Added descr.
1903. *Xenylla humicola* Davenport (500) p. 5, figs. 3, 5, 6, 8.
1905. *Xenylla humicola* Axelson (81) p. 26; Tvärminne, Finland.
1906. *Xenylla humicola* Axelson (82) p. 6; Revals, Russia.
1906. *Xenylla humicola* Wahlgren (2079) p. 1; South Georgia.
1906. *Xenylla humicola* Wahlgren (2080) p. 245; fig. 12; Sweden.
1907. *Xenylla humicola* Axelson (83) p. 128; Finland.
1907. *Xenylla humicola* Axelson (84) p. 16; N. Finland.
1907. *Xenylla humicola* Carpenter (378) p. 55; Lambay I.; Ireland.
1909. *Xenylla humicola* Enderlein (724) p. 461; South Georgia.
1909. *Achorutes humicola* Nielson (1498) p. 409; Greenland.
1910. *Xenylla humicola* Bagnall (102) p. 498; Britain.
1911. *Xenylla humicola* Linnaniemi (1291) p. 5; Norway.
1912. *Xenylla humicola* Enderlein (725) pp. 125, 138; South Georgia.
1912. *Xenylla humicola* Linnaniemi (1292) p. 42, Pl. IV, figs. 23–25; Finland; Synonymy.
1916. *Xenylla humicola* Bartholin (149) p. 182; Denmark.
1916. *Xenylla humicola* Folsom (787) p. 496, Pl. 17, figs. 137–142; North America; Synonymy.
1918. *Xenylla humicola* Brown (296) p. 185; England.
1918. *Xenylla humicola* Henriksen and Lundbeck (1044) p. 740; Greenland; Nomenclature.
1921. *Xenylla humicola* Denis (607) p. 124; France.
1922. *Xenylla humicola* Bristowe (278) p. 42; Jan Mayen I.
1922. *Xenylla humicola* Carpenter and Phillips (404) pp. 12, 18; Spitzbergen; Bear I.; Greenland; Novaya Zemlya; North America; Iceland; Britain; Jan Mayen I.; North Siberia; Scandinavia; Germany.
1923. *Xenylla humicola* Schott (1776) p. 7; Novaya Zemlya.
1923. *Xenylla humicola* Womersley (2148) p. 168; S.W. England.
1924. *Xenylla humicola* Denis (614) p. 253; France.
1924. *Xenylla humicola* Handschin (981) pp. 93, 124; Switzerland.
1925. *Xenylla humicola* Brown (304) p. 159; England; littoral.
1927. *Xenylla humicola* Carpenter (396) p. 196; Spitzbergen.
1928. *Xenylla humicola* Remy (1624) p. 52; Greenland.
1928. *Xenylla humicola* Remy (1625) p. 62; Greenland.
1928. *Xenylla humicola* Summerhayes and Elton (1939) p. 208; Spitzbergen.
1929. *Xenylla humicola* Handschin (1008) p. 29, fig. 33; North and Middle Europe; Azores; N. America.
1930. *Xenylla humicola* Womersley (2168) p. 168; Ireland.
1931. *Xenylla humicola* Denis (639) p. 204; Germany.
1931. *Xenylla humicola* Lindroth (1286) p. 127; Iceland.
1933. *Xenylla humicola* Folsom (802) p. 938; U.S.A.
1933. *Xenylla humicola* James (1124) p. 87; Canada.
1933. *Xenylla humicola* Mills and Rolfs (1431) p. 78; Washington.
1933. *Xenylla humicola* Turk (2007) p. 93; Britain.
1934. *Xenylla humicola* Durkop (707) p. 493; Europe; Azores; North America.
1934. *Zenylla humicola* Jorgensen (1145) p. 7; Greenland.
1935. *Xenylla humicola* Axelson (1295) p. 138; Spitzbergen.
1935. *Xenylla humicola* Axelson (1296) p. 380; Jan Mayen I.
1935. *Xenylla humicola* Schubert (1791) p. 211; Germany.
1936. *Xenylla humicola* Brown (314) p. 612; Lapland.
1937. *Xenylla humicola* Brown (316) p. 516; West Greenland.
1937. *Xenylla humicola* Frenzel (828) p. 296; Ecology.
1937. *Xenylla humicola* Hammer (966) p. 10; East Greenland.
1938. *Xenylla humicola* Hammer (968) p. 10; East Greenland.
1939. *Xenylla humicola* Mills (1422) p. 159; North America.
1939. *Xenylla humicola* Thomas (1969) p. 20; Ecology.
1942. *Xenylla humicola* Caspers (408) p. 149; Helgoland I.
1942. *Xenylla maritima* Caspers (408) p. 149.
1943. *Xenylla humicola* Agrell (47) p. 124; Sweden.
1943. *Xenylla humicola* Del. Deb. (534) p. 149; France.

1944. *Xenylla humicola* Hammer (969) p. 61; North America; Greenland; Iceland; Jan Mayen I.; Bear I.; Spitzbergen; Lapland; Novaya Zemlya; Arctic Siberia; Finland; Switzerland.
1948. *Xenylla humicola* Palmen (1546) p. 170; Ecology.
1948. *Xenylla humicola* Spencer (1851) p. 22; Canada.
1948. *Xenylla humicola* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Xenylla humicola* Stach (1887) p. 204; Arctic; Azores; S. America; Central Europe.
1949. *Xenylla humicola* Strenzke (1922) p. 205; Germany; Ecology.
1951. *Xenylla humicola* Maynard (1393) p. 52; New York.
1953. *Xenylla humicola* Del. Deb. (584) p. 296; Algeria.
1953. *Xenylla humicola* Del. Deb. (587) p. 478; Algeria; Ecoolgy.
1953. *Xenylla humicola* Gisin (885) p. 229; Jan Mayen Island.
1953. *Xenylla humicola* Hammer (972) p. 20; Northern Canada.
1954. *Xenylla humicola* Bellinger (174) p. 17; Connecticut.
1954. *Xenylla humicola* Macfadyen (1339) p. 289; Jan Mayen I.
1954. *Xenylla humicola* Strenzke (1925) p. 49; Germany.
1954. *Xenylla humicola* Uchida (2030), p. 3; Japan.
1955. *Xenylla humicola* Lengersdorf (1277) p. 168; Cave Collemb.
1955. *Xenylla humicola* Strenzke (1926) p. 20, fig. 4; Europe; Azores; South America.
1956. *Xenylla humicola* Paclt (1541) p. 123; Biology.
1957. *Xenylla humicola* Bodvarsson (2252) p. 10; Iceland.
1958. *Xenylla humicola* Grindbergs (2275) p. 11; Latvia.
1958. *Xenylla humicola* Grindbergs (2277) p. 191; Latvia.
1959. *Xenylla humicola* Stach (2340) p. 437; Taxonomy.
1959. *Xenylla humicola* Strebel (2344) p. 92; Germany.
1959. *Xenylla humicola* Wilkey (2350) p. 222; California.
1960. *Xenylla humicola* Gisin (2271) p. 64, fig. 137; Europe; Azores; Algeria; North America.
1960. *Xenylla humicola* Grindbergs (2373) p. 27; U.S.S.R.

Xenylla humicola olivacea Axelson, 1905

1905. *Xenylla humicola olivacea* Axelson (80) p. 789; Finland.
1907. *Xenylla humicola olivacea* Axelson (83) p. 128; Finland.
1912. *Xenylla humicola olivacea* Axelson (1292) p. 44; Finland.

Xenylla inermis Olfers, 1907

1907. *Xenylla inermis* Olfers (1506) p. 28, fig. 81; Germany.

Xenylla lesnei Denis, 1935

1935. *Xenylla lesnei* Denis (651) p. 1, figs. 1–7; Mozambique.
1949. *Xenylla lesnei* Stach (1887) p. 206; Africa.
1959. *Xenylla lesnei* Paclt (2316) p. 29; South Africa.

Xenylla littoralis Womersley, 1933

PARATYPES, COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Xenylla littoralis* Womersley (2176) p. 53, fig. 2 a-f; Australia.
1939. *Xenylla littoralis* Womersley (2190) p. 94, fig. 41 A-F; South Australia.
1949. *Xenylla littoralis* Stach (1887) p. 203; West and South Australia.

Xenylla longicauda Folsom, 1898

COTYPES: Mus. Comp. Zool., Harvard.
1898. *Xenylla longicauda* Folsom (774) p. 53, figs. 10-14; Japan.
1931. *Xenylla longicauda* Matsumura and Uchida (1386) p. 3 and fig; Japan.
1932. *Xenylla longicauda* Kinoshita (1178) p. 2118; Japan.
1938. *Xenylla longicauda* Uchida (2015) p. 6; Japan.
1949. *Xenylla longicauda* Stach (1887) p. 204; Japan.
1950. *Xenylla longicauda* Kinoshita and Uchida (1179) p. 9 and fig; Japan.
1956. *Xenylla longicauda* Uchida (2036) p. 27; Japan.

Xenylla longispina Uzel, 1890

1890. *Xenylla longispina* Uzel (2050) p. 71, Pl. II, figs. 25–27; Czechoslovakia.
1899. *Xenylla longispina* Carl (352) p. 286; Switzerland.
1912. *Xenylla longispina* Schille (1756) p. 7; Galicia.
1929. *Xenylla longispina* Handschin (1008) p. 29; Germany.
1930. *Xenylla longispina* Womersley (2168) p. 168; Ireland.
1935. *Xenylla longispina* Bagnall (113) p. 99; Britain.
1937. *Xenylla longispina* Kseneman (1217) p. 465; Carpathians.
1949. *Xenylla longispina* Stach (1887) p. 207; Bohemia; Switzerland.
1960. *Xenylla longispina* Gisin (2271) p. 65; Europe.

Xenylla malayana Salmon, 1951

TYPE: Author's Coll., Victoria University of Wellington, New Zealand.
PARATYPES: Raffles Mus., Singapore.
1951. *Xenylla malayana* Salmon (1694) p. 131; figs. 1–4; Malaya.

Xenylla maritima Tullberg, 1869

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1780. *Achorutes maritimus* Fabricius (751) p. 212; Greenland; Cf. Lubbock (1318).
1793. *Podura maritima* Gmelin (910) p. 2911; Greenland.
1869. *Xenylla maritima* Tullberg (2001) p. 11; Scandinavia.
1871. *Xenylla maritima* Tullberg (2002) p. 154; Sweden.
1872. *Xenylla maritima* Tullberg (2003) p. 53, Pl. XI, figs. 7, 8; Sweden.
1873. *Xenylla maritima* Lubbock (1318) p. 187; Greenland; Sweden.
1883. *Xenylla maritima* Brook (291) p. 20, Pl. 1, figs. 6–10; Jersey; Systematics.
1890. *Xenylla maritima* Moniez (1443) p. 433; Croisie, France.
1891. *Xenylla maritima* MacGillivray (1341) p. 275; Greenland; Sweden.
1891. *Xenylla maritima* Moniez (1447) p. 70; France.
1891. *Xenylla maritima* Schott (1762) p. 24; California.
1891. *Xenylla maritima* Uzel (2051) p. 920; Helgoland.
1893. *Xenylla maritima* Schott (1765) p. 85; Sweden; Finland; Germany; England; California.
1895. *Xenylla maritima* Reuter (1643) p. 32, Pl. II, fig. 11; Finland; Sweden; Heligoland; Germany; England; California.
1896. *Xenylla maritima* Meinert (1399), p. 171; Greenland; Finland; England; California.
1896. *Xenylla maritima* Schaeffer (1735) p. 170, Pl. II, figs. 41, 42; Germany.
1897. *Xenylla maritima* Poppe and Schaeffer (1607), p. 266; Germany.

1898. *Xenylla maritima* Lie-Pettersen (1282) p. 14; Norway.
1898. *Xenylla maritima* Scherbakow (1750) p. 58; Kiev.
1898. *Xenylla maritima* Scherbakow (1751) p. 5; Russia.
1899. *Xenylla maritima* Carl (352) p. 286; Switzerland.
1899. *Xenylla maritima* Wahlgren (2073) p. 186; Sweden.
1899. *Xenylla maritima* Wahlgren (2074) p. 850; South Russia.
1900. *Xenylla maritima* Carpenter (368) p. 277; Greenland.
1900. *Xenylla maritima* Schaeffer (1739) p. 249; Germany.
1900. *Xenylla maritima* Skorikow (1833) p. 198; Spitzbergen.
1900. *Xenylla maritima* Wahlgren (2077) p. 375; Greenland.
1901. *Xenylla maritima* Börner (234) p. 32, fig. 2.
1901. *Xenylla maritima* Krausbauer (1204) p. 91; Germany.
1902. *Xenylla maritima* Skorikow (1835) p. 92; Spitzbergen.
1903. *Xenylla maritima* Agren (55) p. 125, fig. 8; Sweden; Added descr.
1904. *Xenylla maritima* Carpenter and Evans (403) p. 218; Britain.
1905. *Xenylla maritima* Axelson (81) p. 26; Tvärminne, Finland.
1905. *Xenylla maritima* Becker (160) p. 91; Moscow.
1906. *Xenylla maritima* Axelson (82) p. 7; Revals, Russia.
1906. *Xenylla maritima* Lie-Pettersen (1284) p. 57; Norway.
1906. *Xenylla maritima* Wahlgren (2080) p. 246, fig. 12; Sweden.
1907. *Xenylla maritima* Axelson (83) p. 128; Finland.
1909. *Xenylla maritima* Nielsen (1498) p. 377; Greenland.
1911. *Xenylla maritima* Axelson (1291) p. 6; Norway.
1912. *Xenylla maritima* Axelson (1292) p. 46, Pl. IV, fig. 29, Pl. V, fig. 2; Finland.
1913. *Xenylla maritima* Carpenter (388) p. 6; Clare I.; Ireland.
1914. *Xenylla maritima* Caroli (362) p. 4; Italian Libya.
1916. *Xenylla maritima* Folsom (787) p. 498, Pl. 19, figs. 162–166; North America.
1918. *Xenylla maritima* Brown (296) p. 185; England.
1918. *Xenylla maritima* Henriksen and Lundbeck (1044) p. 742; Greenland.
1919. *Xenylla maritima* Wahlgren (2089) p. 744; Sweden.
1921. *Xenylla maritima* Denis (609) p. 110; Ile de Yeu, France.
1922. *Xenylla maritima* Latzel (1250) p. 53; Austria.
1924. *Xenylla maritima* Denis (614) p. 254; France.
1925. *Xenylla maritima* Brown (304) p. 159; Clare I; Ireland; Scotland; Littoral.
1925. *Xenylla maritima* Denis (616) p. 203; Italy.
1926. *Xenylla maritima* Handschin (990) p. 119, figs. 2–6; Algeria.
1927. *Xenylla maritima* Denis (629) p. 178; Italy.
1928. *Xenylla maritima* Jackson (1121) p. 301; Britain.
1929. *Xenylla maritima* Bonet (200) p. 795; Spain.
1929. *Xenylla maritima* Handschin (1008) p. 31, fig. 38; Germany; Europe; North Africa; North America.
1930. *Xenylla maritima* Stach (1869) p. 281; Europe; North Africa; California.
1930. *Xenylla maritima* Stach (1870) p. 56, Pl. 14, fig. 1; Spain.
1930. *Xenylla maritima* Womersley (2168) p. 168; Ireland.
1932. *Xenylla maritima* Krogerus (1210) p. 93; Finland.
1932. *Xenylla maritima* Stammer (1897) p. 610; Ecology.
1933. *Xenylla maritima* Bonet (209) p. 128; Argentina.
1933. *Xenylla maritima* Mills and Rolfs (1431) p. 78; Washington.
1933. *Xenilla maritima* Schubert (1787) p. 262; Ecology.
1933. *Xenylla maritima* Turk (2007) p. 93; Britain.
1933. *Xenylla maritima* Womersley (2176) p. 53, text-fig. 1 g-h; Australia.
1934. *Xenylla maritima* Agrell (37) p. 216; Sweden Ecology.
1934. *Xenylla maritima* Durkop (707) p. 494; Europe; North Africa; North America.
1934. *Xenylla maritima* Ferrier (1576) p. 34; France.
1934. *Xenylla maritima* Mills (1417) p. 16, fig. 21; Iowa, U.S.A.; Canada; Europe.
1934. *Xenylla maritima* Womersley (2177) p. 467; Europe; Algeria; Italian Libya; South Africa; Cosmopolitan.
1935. *Xenylla maritima* Schubert (1790) p. 94; Europe.
1935. *Xenylla maritima* Schubert (1791) pp. 110, 379; Germany.
1936. *Xenylla maritima* Nordberg (1500) p. 34; Ecology.
1938. *Xenylla maritima* Denis (665) p. 124; Italy.
1938. *Xenylla maritima* Kseneman (1220) p. 8; Europe; Africa; America.
1939. *Xenylla maritima* Coleman (457) p. 3; South California.
1941. *Xenylla maritima* Agrell (46) p. 19; Swedish Lapland.
1941. *Xenylla maritima* Coleman (458) p. 5; California.
1941. *Xenylla maritima* Salmon (1676) p. 287, Pl. 40, figs. 14–18; New Zealand.
1942. *Xenylla maritima* Essig (733) p. 82; Habitat.
1942. *Xenylla maritima* Handschin (1012) p. 403; Palestine; North Africa.
1942. *Xenylla maritima* Womersley (2193) p. 23; Australia; New Zealand.
1943. *Xenylla maritima* Agrell (47) p. 124; Sweden.
1943. *Xenylla maritima* Del. Deb. (534) p. 149; France.
1943. *Xenylla maritima* Gisin (853) p. 143; Switzerland.
1944. *Xenylla maritima* Gisin (855) p. 9, fig. 5 A-E; Switzerland.
1945. *Xenylla maritima* Agrell (50) p. 10; Sweden; Finland; Norway; Habitats.
1948. *Xenylla maritima* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Xenylla maritima* Stach (1887) p. 227, Pl. XXIII; Poland; West Ukraine; Spain; Malta; Hungary; Slovakia; Yugoslavia; Corsica; France; Revised descr.
1949. *Xenylla maritima* Strenzke (1922) p. 205; Germany; Ecology.
1950. *Xenylla maritima* Del. Deb. (570) p. 120; France
1951. *Xenylla schillei* Del. Deb. and Cassagnau (593) p. 400; *lapsus calami;* France.
1951. *Xenylla maritima* Maynard (1393) p. 51, Pl. VI, figs. 97–100; New York district.
1951. *Xenylla maritima* Schaller (1746) p. 463; Ecology.
1952. *Xenylla maritima* Baudissin (152) p. 54; Ecology.
1953. *Xenylla maritima* Cassagnau (415) p. 72; France.
1953. *Xenylla maritima* Hicks (1059) p. 15; Ecology.
1954. *Xenylla maritima* Strenzke (1925) p. 60; Germany.
1955. *Xenylla maritima* Chopard (434) p. 18; France.
1955. *Xenylla maritima* Goto (921) p. 267; Britain.
1955. *Xenylla maritima* Gridelli (938) p. 40; Venice.

1955. *Xenylla maritima* Stach (1893) p. 84, figs. 203, 204; Cosmopolitan.
1955. *Xenylla maritima* Strenzke (1926) p. 21; North Europe .
1955. *Xenylla maritima* Tischler (2399) p. 130; Ecology.
1956. *Xenylla maritima* Bockemuhl (193) p. 131; Spitzbergen.
1956. *Xenylla maritima* Husmann (1084) p. 144; Germany.
1956. *Xenylla maritima* Wray and Knowlton (2215) p. 7; Utah.
1957. *Xenylla maritima* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Xenylla maritima* Grindbergs (2277) p. 191; Latvia.
1959. *Xenylla maritima* Da Gama (494) p. 7, fig. II; Madeira.
1959. *Xenylla maritima* Da Gama (2266) p. 5; Portugal.
1959. *Xenylla maritima* Paclt (2316) p. 29; Sth. Africa.
1959. *Xenylla maritima* Stach (1896) p. 21; Poland.
1959. *Xenylla maritima* Wilkey (2350) p. 222; California.
1960. *Xenylla maritima* Gisin (2271) p. 63, fig. 134; Europe.
1960. *Xenylla maritima* Grindbergs (2373) p. 27; U.S.S.R.

Xenylla mucronata Axelson, 1903

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1903. *Xenylla mucronata* Axelson (77) p. 5; Finland.
1903. *Xenylla schillei* Börner (239) p. 130, fig. 1; Cf. Denis (638).
1905. *Xenylla mucronata* Becker (160) p. 85; Russia.
1907. *Xenylla mucronata* Axelson (83) p. 128; Finland.
1912. *Xenylla mucronata* Axelson (1292) p. 44, Pl. IV, figs. 26–28, Pl. V, figs. 1, 3; Finland.
1929. *Xenylla mucronata* Handschin (1008) p. 29, fig. 34; Germany; Russia; Finland; Galicia.
1931. *Xenylla mucronata* Denis (638) p. 76; Costa Rica.
1931. *Xenylla schillei* Denis (638) p. 78; Costa Rica.
1933. *Xenylla mucronata* Womersley (2176) p. 56, fig. 3a; Australia.
1939. *Xenylla mucronata* Agrell (44) p. 159; Sweden; Finland; Russia; Poland.
1939. *Xenylla mucronata* Thomas (1969) p. 20; Ecology.
1941. *Xenylla mucronata* Agrell (46) p. 19; Swedish Lapland.
1943. *Xenylla mucronata* Agrell (47) p. 124; Sweden.
1949. *Xenylla mucronata* Stach (1887) p. 207; Finland; Russia; Costa Rica; Australia.
1959. *Xenylla mucronata* Stach (1896) p. 69; Cosmopolite.
1960. *Xenylla mucronata* Gisin (2271) p. 66; fig. 140; Finland.
1960. *Xenylla mucronata* Grindbergs (2373) p. 28; U.S.S.R.
1960. *Xenylla mucronata* Yosii (2408) p. 9, fig. 1; Solomon Islands.

Xenylla nitida Tullberg, 1871

1871. *Xenylla nitida* Tullberg (2002) p. 154; Sweden.
1872. *Xenylla nitida* Tullberg (2003) p. 53, Pl. XI, fig. 15; Sweden.
1893. *Xenylla nitida* Schott (1765) p. 86; Sweden.
1896. *Xenylla nitida* Lie-Pettersen (1281) p. 19; Norway.
1899. *Xenylla nitida* Carl (352) p. 285; Switzerland.
1901. *Xenylla nitida* Carl (354) p. 249; Switzerland.
1905. *Xenylla nitida* Axelson (81) p. 26; Tvärminne, Finalnd.
1906. *Xenylla nitida* Wahlgren (2080) p. 246; Sweden.
1907. *Xenylla nitida* Axelson (83) p. 128; Finland.
1908. *Xenylla nitida* Schille (1755) p. 7; Poland.
1912. *Xenylla nitida* Axelson (1292) p. 47, Pl. V, fig. 6; Finland; Scandinavia; Switzerland.
1912. *Xenylla nitida* Schille (1756) p. 7; Galicia.
1912. *Xenylla nitida* Schille (2394) p. 127; Poland.
1924. *Xenylla nitida* Denis (614) p. 254; France.
1928. *Xenylla nitida* Handschin (1002) p. 537; Mexico.
1929. *Xenylla nitida* Handschin (1008) p. 31; Germany; Distribution.
1934. *Xenylla nitida* Durkop (707) p. 494; Scandinavia; Switzerland.
1943. *Xenylla nitida* Agrell (47) p. 124; Sweden.
1949. *Xenylla nitida* Uchida (2023) p. 40; New Guinea.

Xenylla nova-zealandia Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Odontella minutadentata* Salmon (1676) p. 297, Pl. 43, figs. 61–65; New Zealand.
1941. *Xenylla nova-zealandia* Salmon (1676) p. 287, Pl. 39, figs. 8–12; New Zealand.
1942. *Zealandella* (*Odontella*) *minutadentata* Salmon (1679) p. 55; Taxonomy.
1949. *Xenylla nova-zealandia* Salmon (1689) p. 5; Campbell I.; Auckland I.; Added descr.

Xenylla obscura Imms, 1912

TYPE: Indian Mus., Calcutta.
PARATYPE: Brit. Mus. Nat. Hist., London.
1912. *Xenylla obscura* Imms (1090) p. 84, Pl. VI, figs. 5–9, India.
1949. *Xenylla obscura* Stach (1887) p. 203; India.
1955. *Xenylla obscura* Mani, Singh, Gupta and Baijal (1369) p. 510; N.W. Himalayas.
1956. *Xenylla obscura* Salmon (1714) p. 171, figs. 1–6; India.
1959. *Xenylla obscura* Stach (2340) p. 437; Taxonomy.

Xenylla occidentalis Womersley, 1933

PARATYPE, COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Xenylla occidentalis* Womersley (2176) p. 56, fig. 36; Australia.
1939. *Xenylla occidentalis* Womersley (2190) p. 95, fig. 41; Australia.
1956. *Xenylla occidentalis* Paclt (1541) p. 123; Biology.

Xenylla oceanica Yosii, 1960

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1960. *Xenylla oceanica* Yosii (2408) p. 10, figs. 1 H-J; New Caledonia.

Xenylla octo-oculata Carpenter, 1928

1928. *Xenylla octo-oculata* Carpenter (397) p. 112, figs. 26–32; Samoa.
1938. *Xenylla octo-oculata* Handschin (1011) p. 139; Samoa.
1949. *Xenylla octo-oculata* Stach (1887) p. 202; Samoa.

Xenylla orientalis Handschin, 1932

1932. *Xenylla orientalis* Handschin (1010) p. 476, figs. 1–3; Java.

Xenylla pallida Ågren, 1903

1903. *Xenylla pallida* Ågren (54) p. 126; Sweden.
1906. *Xenylla pallida* Wahlgren (2080) p. 246; Sweden.
1943. *Xenylla pallida* Agrell (47) p. 124; Sweden.

Xenylla paludis Bacon, 1914

1914. *Xenylla paludis* Bacon (95) p. 168; California.
1939. *Xenylla paludis* Coleman (457) p. 3; S. California.

Xenylla planipila Stach, 1949

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.

1949. *Xenylla planipila* Stach (1887) p. 235, Pl. XXV; Poland; Styria.
1952. *Xenylla planipila* Baudissin (152) p. 56; Ecology.
1955. *Xenylla planipila* Stach (1893) p. 86, figs. 207, 208; Added descr.
1959. *Xenylla planipila* Stach (1896) p. 61; Europe.
1959. *Xenylla planipila* Stach (2340) p. 437; Taxonomic note.
1960. *Xenylla planipila* Gisin (2271) p. 64, fig. 136: Poland.

Xenylla proxima Denis, 1931

1931. *Xenylla proxima* Denis (638) pp. 76, 162, figs. 17–20; Costa Rica.
1949. *Xenylla proxima* Stach (1887) p. 210; Costa Rica; Systematics.

Xenylla pseudobrevicauda Ritter, 1911

1911. *Xenylla pseudobrevicauda* Ritter (1661) p. 396, figs. 52–54; India.
1959. *Xenylla pseudobrevicaudata* Yosii (2355) p. 2, fig. 2; Malaya.

Xenylla pseudomaritima James, 1933

1933. *Xenylla pseudomaritima* James (1124) p. 87, Pl. III, figs. 3–10; Toronto.
1959. *Xenylla pseudomaritima* Stach (2340) p. 437; Taxonomic note.

Xenylla pyrenaica Cassagnau, 1959

TYPE: Author's Coll. Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Xenylla pyrenaica* Cassagnau (2262) p. 73, fig. 3; France.

Xenylla rhodesiensis Womersey, 1926

COTYPES: Brit. Mus. Nat. Hist., London.
1926. *Xenylla rhodesiensis* Womersley (2162) p. 153, figs. 1–3; Southern Rhodesia.
1934. *Xenylla rhodesiensis* Womersley (2177) p. 467; Sth. Rhodesia.
1949. *Xenylla rhodesiensis* Stach (1887) p. 204; South Rhodesia.
1959. *Xenylla rhodesiensis* Paclt (2316) p. 28; S. Africa.

Xenylla schillei Börner, 1903

COTYPES: Brit. Mus. Nat. Hist., London.
1903. *Xenylla schillei* Borner (239) p. 130, fig. 1; Europe.
1908. *Xenylla schillei* Schille (1755) p. 7; Poland.
1912. *Xenylla schillei* Schille (1756) p. 7; Galicia.
1949. *Xenylla schillei* Stach (1887) p. 214; Pl. XXI; Poland; Slovakia; Revised descr.
1951. *Xenylla schillei* Del. Deb. and Cassagnau (593) p. 400; France.
1951. *Xenylla schillei* Stach (1889) p. 68, fig. 33; Poland, Slovakia.
1953. *Xenylla schillei* Cassagnau (415) p. 72; France.
1955. *Xenylla schillei* Gisin (890) p. 142; Switzerland.
1955. *Xenylla schillei* Goto (920) p. 239; Austria.
1955. *Xenylla schillei* Goto (922) p. 239; Austria.
1955. *Xenylla schillei* Stach (1893) p. 84, figs. 201, 202; Poland; Slovakia.
1957. *Xenylla schillei* Selga (1805) p. 114; Galicia.
1958. *Xenylla schillei* von Torne (1993) p. 660; Austria.
1959. *Xenylla schillei* Da Gama (2266) p. 4, fig. 1; Portugal.
1959. *Xenylla schillei* Paclt (2316) p. 29; South Africa.
1959. *Xenylla schillei* Stach (1896) p. 21; Poland.
1960. *Xenylla schillei* Gisin (2271) p. 65, fig. 139; Europe, Alps.
1960. *Xenylla schillei* Grindbergs (2373) p. 28; U.S.S.R.

Xenylla sensilis Folsom, 1932

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Xenylla sensilis* Folsom (778) p. 54, Pl. 1, figs. 5–13; Honolulu.
1938. *Xenylla sensilis* Handschin (1011) p. 139; Hawiian Islands.
1948. *Xenylla sensilis* Zimmerman (2237) p. 48, figs. 13 a-i; Honolulu.
1949. *Xenylla sensilis* Stach (1887) p. 205; Hawaii.

Xenylla similata Denis, 1948

1948. *Xenylla similata* Denis (676) p. 187, fig. 1; Indochina.
1959. *Xenylla similata* Yosii (2355) p. 2, fig. 1; Malaya.

Xenylla sincta Baijal, 1956

TYPE: Zoological Survey of India, Calcutta.
1956. *Xenylla sincta* Baijal (1828) p. 374, 5 figs; N.W. Himalayas.

Xenylla subwelchi Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Xenylla subwelchi* Denis (616) p. 216, figs. 17–25; Monaco.
1928. *Xenylla subwelchi* Poisson (1601) p. 60; Systematics.
1929. *Xenylla subwelchi* Bonet (200) p. 795; Spain.
1931. *Xenylla subwelchi* Denis (638) p. 76; San Jose, Costa Rica.
1933. *Xenylla subwelchi* Denis (645) p. 225; Costa Rica.
1934. *Xenylla subwelchi* Mills (1417) p. 15, = *X. welchi.*
1949. *Xenylla subwelchi* Stach (1887) p. 206; France; Costa Rica.

Xenylla tullbergi Börner, 1903

TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Xenylla tullbergi* Börner (239) p. 182; Germany.
1906. *Xenylla tullbergi* Axelson (82) p. 7; Revals, Russia.
1943. *Xenylla tullbergi* Gisin (853) p. 143; Switzerland.
1944. *Xenylla tullbergi* Gisin (855) p. 8, fig. 4 E; Switzerland.
1949. *Xenylla tullbergi* Schaller (1742) p. 268; Germany; Ecology.
1949. *Xenylla tullbergi* Stach (1887) p. 211; Germany.
1956. *Xenylla tullbergi* Bockemuhl (193) p. 130; Spitzbergen.
1958. *Xenylla tullbergi* von Torne (1993) p. 660; Austria.
1960. *Xenylla tullbergi* Gisin (2271) p. 62, fig. 133; Europe.
1960. *Xenylla tullbergi* Grindbergs (2373) p. 27; U.S.S.R.

Xenylla welchi Folsom, 1916

COTYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1916. *Xenylla welchi* Folsom (787) p. 497, Pl. 18, figs. 150–157; U.S.A.
1924. *Xenylla subwelchi* Denis (616) p. 216, figs. 17–25; France; Costa Rica; Cf. Mills (1417).
1934. *Xenylla welchi* Mills (1417) p. 15, fig. 22; Iowa; Costa Rica; Europe.
1939. *Xenylla welchi* Thomas (1969) p. 20; Ecology.
1942. *Xenylla welchi* Scott (1796) p. 177; West U.S.A.
1946. *Xenilla welchi* Pearse (1575) p. 139; Ecology.
1948. *Xenylla welchi* Del. Deb. (552) p. 133, figs. 1-8; Belgium.
1948. *Xenylla welchi* Gisin (867) p. 83; Switzerland.
1948. *Xenylla welchi* Wolcott (2145) p. 34; Puerto Rico.

1949. *Xenylla welchi* Stach (1887) p. 206; U.S.A.
1951. *Xenylla welchi* Maynard (1393) p. 52; New York; U.S.A.; Costa Rica; Europe.
1952. *Xenylla welchi* Razet (1622) p. 2566; Physiology.
1956. *Xenylla welchi* Wray & Knowlton (2214) p. 2; Idaho.
1957. *Xenylla welchi* von Torne (2348) p. 30; Germany.
1960. *Xenylla welchi* Gisin (2271) p. 66, fig. 141; Europe; America.
1960. *Xenylla welchi* Grindbergs (2373) p. 28; U.S.S.R.

Xenylla xavieri Da Gama, 1959

1959. *Xenylla xavieri* Da Gama (494) p. 7, fig. III; Madeira.

Xenylla yucatana Mills, 1938

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1938. *Xenylla yucatana* Mills (1420) p. 183, figs. 1–6; Yucatan.
1949. *Xenylla yucatana* Stach (1887) p. 202; Yucatan.

Xenylla zavattarii Tarsia in Curia, 1939

1939. *Xenilla zavattarii* Tarsia in Curia (1953), p. 269, fig. 1; Kenya, Africa.

Genus: PROPEXENYLLA Salmon, 1944 (1683) p. 125.

Type species fixed: *P. atrata* Salmon, 1944 (1683) p. 125; monotype.

Propexenylla atrata Salmon, 1944

TYPE: Dominion Mus., Wellington, New Zealand.
1944. *Propexenylla atrata* Salmon (1683) p. 125, Pl. 54, figs. 1–4; New Zealand.

Genus: XENYLLINA* Delamare Deboutteville, 1952 (2267) p. 62.

Type species fixed: *X. candida* Del. Deb., 1952 (2267) p. 62.

Xenyllina candida Delamare Deboutteville, 1952

TYPES: Lab. Entom. Mus., Paris.
1948. *Xenyllina candida* Del. Deb. (558) p. 55; Ivory Coast.
1952. *Xenyllina candida* Del. Deb. (2267) p. 63, fig. 4; Ivory Coast.

Genus: ACHERONTIELLA Absolon, 1913 (25) p. 1.
Cf. *Acherontiellina* Del. Deb. 1948 (558) p. 52.

Type species fixed: *A. onychiuriformis* Absolon, by Bonet 1945 (216) p. 31.

Acherontiella bougisi Cassagnau and Delamare Deboutteville, 1955.

TYPE: Lab. Zool. Fac. Sci., Toulouse, France.
1955. *Acherontiella Bougisi* Cass. and Del. Deb. (428) p. 370, fig. 3; Lebanon.
1959. *Acherontiella bougisi* Stach (2340) p. 435; Algeria; Lebanon.
1960. *Willemia bougisi* Gisin (2271) p. 68; Lebanon.

Acherontiella epigea Bonet, 1945

1945. *Acherontiella epigea* Bonet (216) p. 35, Pl. V, fig. 37; Mexico.
1959. *Acherontiella epigea* Stach (2340) p. 437; Mexico.

Acherontiella onychiuriformis Absolon, 1913

1913. *Acherontiella onychiuriformis* Absolon (25) p. 1, figs. 1–2; Algiers.
1931. *Acherontiella onychiuriformis* Bonet (205) p. 376; Algeria.
1948. *Acherontiella onychiuriformis* Del. Deb. (558) p. 56; = *Acherontiellina.*
1959. *Acherontiella onychiuriformis* Stach (2340) p. 435; Algeria.
1960. *Willemia onychiuriformis* Gisin (2271) p. 68; Algeria.

Acherontiella sabina Bonet, 1945

1945. *Acherontiella sabina* Bonet (216) p. 31, Pl. V, figs. 32–36; Mexico.
1946. *Acherontiella sabina* Bonet (218) p. 57; Mexico.
1959. *Acherontiella sabina* Stach (2340) p. 436; Mexico.

Acherontiella variabilis Delamore Deboutteville, 1948

TYPE: Author's Pers. Colln.
1948. *Acherontiella variabilis* Del. Deb. (558) p. 49, figs. 1-18; France.
1950. *Acherontiella variabilis* Del. Deb. (570) p. 311; Europe.
1951. *Acherontiella variabilis* Del. Deb. (573) p. 116; France.
1959. *Acherontiella variabilis* Stach (2340) p. 436; France.
1960. *Willemia* (*Acherontiella*) *variabilis* Gisin (2270) p. 87; France.
1960. *Willemia variabilis* Gisin (2271) p. 69, figs. 145–146; France.

Genus: ACHERONTIELLINA Delamare Deboutteville, 1948 (558) p. 56.

Type species fixed: *A. sabina* Del. Deb., 1948 (558) p. 56.

Acherontiellina epigea Delamare Deboutteville, 1948

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Acherontiella epigea* Bonet (216) p. 35, Pl. V, fig. 37; Mexico.
1948. *Acherontiellina epigea* Del. Deb. (558) p. 56; Mexico.

Acherontiellina sabina Delamare Deboutteville, 1948

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Acherontiella sabina* Bonet (216) p. 31, Pl. V, figs. 32–36.
1948. *Acherontiellina sabina* Del. Deb. (558) p. 56; Mexico.

Genus: ANACHORUTES Bagnall, 1949 (129) p. 184.

Type species fixed: *A. tigrina* (Harvey) by Bagnall, 1949 (129) p. 184.

Anachorutes tigrina (Harvey) 1900

1900. *Achorutes tigrina* Harvey (1036) p. 552; Maine.
1916. *Achorutes tigrina* Folsom (787) p. 480, Pl. 8, figs. 7-9; North America.
1932. *Achorutes tigrina* Maynard (1391) p. 217; New York.

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* This genus was first named in Del. Deb. 1948 (558) p. 55, but the description with citation of type species did not appear until 1952 (2267) p. 62. Although technically speaking this procedure was irregular and not strictly in conformity with the rules of zoological nomenclature I can see no advantage in disallowing the name *Xenyllina* and proposing another name in its place. Therefore I accept *Xenyllina* as a valid genus.

1941. *Achorutes tigrina* Coleman (458) p. 3, fig. 12; South California.
1944. *Hypogastrura tigrina* Gisin (854) p. 8; North America.
1949. *Anachorutes tigrina* Bagnall (129) p. 184, figs. 1–3; North America.
1951. *Hypogastrura tigrina* Maynard (1393) p. 32; New York; Maine.

Genus: GOMPHIOCEPHALUS Carpenter, 1908 (381) p. 3.

Type species fixed: *G. hodgsoni* Carpenter, by Stach, 1949 (1887) p. 11.

Gomphiocephalus hodgsoni Carpenter, 1908

LECTOTYPE and SYNTYPE: Manchester Museum, Manchester. Syntypes: Brit. Mus. Nat. Hist., London.
1908. *Comphiocephalus hodgsoni* Carpenter (381) p. 3, figs. 1–12; South Victoria Land.
1919. *Comphiocephalus hodgsoni* McNamara (1360) p. 242; Antarctic.
1921. *Comphiocephalus hodgsoni* Carpenter (393) p. 260, figs. 1–4; Antarctic.
1949. *Comphiocephalus hodgsoni* Stach (1887) p. 11; South Victoria Land.
1959. *Comphiocephalus hodgsoni* Gressitt and Weber (2273) p. 445; Antarctic.

Genus: BIACANTHELLA Scott, 1961 (2543) p. 93.

Type species fixed: *B. neomexicana* Scott, 1961 (2543) p. 93.

Biacanthella neomexicana Scott, 1961

TYPES: Acad. Nat. Sci., Philadelphia, Pennsylvania.
1961. *Biacanthella neomexicana* Scott (2543) p. 93, figs. 1–8; New Mexico.

Genus: NEOBECKERELLA Wray, 1952 (2204) p. 97.

Type species fixed: *N. allusa* Wray, 1952 (2204) p. 97.

Neobeckerella allusa Wray, 1952

TYPE: Nth. Carolina Div. Ent., Raleigh, M.C.
1952. *Neibeckerella allusa* Wray (2204) p. 97, figs. 11–12; Illinois.

Genus: CHOREUTINULA Paclt, 1944 (1531) p. 92.
= *Beckerella* Axelson, 1912 (1292) p. 40.
= *Beckerellodes* Salmon, 1945 (1684) p. 68.

Type species fixed: *C. inermis* (Tullberg) by Salmon, 1945 (1684) p. 68.

Choreutinula edaphica Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Choreutinula edaphica* Rapoport (2533) p. 8, figs. 43–50; Argentina.

Choreutinula inermis (Tullberg) 1871

1871. *Achorutes inermis* Tullberg (2002) p. 153; Sweden.
1872. *Achorutes inermis* Tullberg (2003), p. 52, Pl. XI, fig. 6; Sweden.
1891. *Achorutes inermis* Moniez (1447) p. 70; France.
1891. *Achorutes inermis* Uzel (2050) p. 71; Germany; Czechoslovakia.
1893. *Achorutes inermis* Schott (1765) p. 85; Arctic.
1900. *Schottella inermis* Axelson (75), p. 111, Finland.
1902. *Achorutes* (*Schottella*) *sensibilis* Schott (1772) p. 11, Pl. II, figs. 13–20; Norway.
1903. *Achorutes inermis* Agren (55) p. 124; S. Sweden.
1905. *A.* (*Schottella*) *inermis* Axelson (81) p. 26; Russia.
1906. *Achorutes inermis* Wahlgren (2079) p. 12, Antarctic exp.
1907. *Achorutes inermis* Axelson (83) p. 1; Finland.
1907. *Achorutes inermis* Wahl. (2082) p. 221; Lapland.
1911. *Hypogastrura inermis* (Axelson) Linnamiemi (1291) p. 1; Norway.
1912. *Beckerella inermis* (Axelson) Linnaniemi (1292) p. 40, Pl. IV, figs. 13–17; Finland.
1919. *Beckerella inermis* Wahlgren (2089) p. 750; Sweden.
1922. *Beckerella inermis* Latzel (1250) p. 54; Austria.
1924. *Beckerella inermis* Denis (614) p. 290; France.
1924. *Beckerella inermis* Handschin (981) p. 94, figs. 33–34; Switzerland.
1926. *Beckerella inermis* Handschin (988) p. 12, fig. 5; Biology.
1928. *Beckerella inermis* Krausse (1206) p. 117; Ecology.
1929. *Beckerella inermis* Handschin (1008) p. 29, fig. 32; Germany; Middle Europe.
1929. *Schottella inermis* Stach (1868) p. 363; Taxonomy.
1931. *Beckerella inermis* Schott (1780) p. 70; Scandinavia.
1935. *Beckerella inermis* Schubert (1791), pp. 105, 203, 371; Germany.
1937. *Beckerella inermis* Frenzel (828) p. 296; Ecology.
1938. *Beckerella inermis* Kseneman (1220) p. 8; Europe.
1941. *Beckerella inermis* Agrell (46) p. 19; Lapland.
1943. *Beckerella inermis* Agrell (47) p. 124; Sweden.
1944. *Beckerella inermis* Agrell (48), p. 3; Swedish Lapland.
1945. *Beckerellodes* (*Beckerella*) *inermis* Salmon (1684) p. 68; Nomenclature.
1949. *Beckerellodes inermis* Stach (1887) p. 171, Pl. XVIII; Poland; Lithuania; Slowakia.
1951. *Beckerella inermis* Praport (1610) p. 139; Poland.
1952. *Beckerellodes inermis* Massera (1382) p. 29; Italy; caves.
1952. *Beckerellodes inermis* Strenzke (1924) p. 5; Middle Europe; Germany.
1955. *Beckerella inermis* Chopard (434) p. 18; France.
1955. *Choreutinula inermis* Stach (1893) p. 102, figs. 274–276; Europe.
1956. *Beckerella inermis* Loksa (1310) p. 386; Ecology.
1958. *Beckerellodes inermis* Grindbergs (2277) p. 190; Latvia.
1959. *Hypogastrura inermis* Gisin (2271) p. 53; Synonymy.

Choreutinula libyca (Caroli) 1914

1914. *Beckerella libyca* Caroli (362) p. 2, fig. 1; Italian Libya.
1934. *Beckerella libyca* Womersley (2177) p. 467; Italian Libya.
1949. *Beckerellodes libycus* Stach (1887) p. 167; Tripoli.
1950. *Beckerellodes libycus* Denis (680) p. 1, fig. 1; Italy.
1951. *Beckerellodes libycus* Del. Deb. and Gisin (596) p. 85; in caves, Italy.
1951. *Beckerellodes libycus* Del. Deb. and Gisin (597) p. 133; in caves, Italy.
1951. *Choreutinula libya* Goto (913) p. 133; Nomenclature.
1951. *Mesachorutes libyca* Goto (912) p. 28; Nomenclature; England.
1952. *Choreutinula libyca* Goto (914) p. 56, figs. 1–5; England; Tripoli.
1959. *Choreutinula libyca* Paclt (2316) p. 28; S. Africa.
1960. *Mesachorutes libycus* Gisin (2271) p. 57; France; England; Libya; Italy.

Choreutinula lobata Yosii, 1959

TYPE: Yoshida College, Kyoto University, Japan.
1959. *Choreutinula lobata* Yosii (2353) p. 3, fig. 1; S. Africa.

Choreutinula spelaea (Ionesco) 1923

1923. *Beckerella spelaea* Ionesco (1108) p. 379, figs. 3 and 4; Meridional Carpathians.
1923. *Hypogastrura* (*Mesogastrura*) *spelaea* Bonet (205) p. 375; Carpathians.
1959. *Acherontides spelaeus* Stach (2340) p. 434; Carpathians.
1960. *Mesachorutes spelaeus* Gisin (2271) p. 58; Roumania.

Choreutinula yanoi (Kinoshita) 1932

1932. *Beckerella yanoi* Kinoshita (1178) p. 2117; Japan.
1938. *Beckerella yanoi* Uchida (2015) p. 6; Japan.
1950. *Beckerella yanoi* Kinoshita and Uchida (1179) p. 10, Pl. 15, figs. 1-3; Japan.
1956. *Beckerella yanoi* Uchida (2036) p. 28; Japan.

Genus: SCHOETTELLA Schaeffer, 1896 (1735) p. 175. Type species fixed: *S. ununguiculata* (Tullberg), by Stach, 1949 (1887) p. 10.

Schoettella africana (Delamare Deboutteville), 1945

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Ceratrimeria africana* Del. Deb. (538) p. 166, fig. 9; East Africa.

Schoettella africana nigra (Delamare Deboutteville), 1945

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Ceratrimeria africana nigra* Del. Deb. (538) p. 170, figs. 10, 12; East Africa.

Schoettella alba Folsom, 1932

TYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Schöttella alba* Folsom (801) p. 54, Pl. 1, figs. 1–4; Honolulu.
1938. *Schöttella alba* Handschin (1011) p. 138; Hawaiian Islands.

Schoettella banksi Maynard, 1951

COTYPES: Author's Colln., University of Rochester, U.S.A.
1951. *Hypogastrura* (*Schöttella*) *banksi* Maynard (1393) p. 50, Pl. V, figs. 89–92; New York.

Schoettella bicolor (Delamare Deboutteville), 1945

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Ceratrimeria bicolor* Del. Deb. (538) p. 163, figs. 6–8; East Africa.

Schoettella caeca Folsom, 1927

COTYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1927. *Achorutes* (*Schöttella*) *caecus* Folsom (799) p. 4, Pl. 4, figs. 31–38; Central America.
1931. *Hypogastrura* (*Schöttella*) *caecua* Denis (638) p. 162; Costa Rica; *lapsus calami.*

Schoettella clavigera Schaeffer, 1898

1898. *Schöttella clavigera* Schaeffer (1737) p. 400, figs. 42–46; Bismark Archipelago.
1926. *Brachystomella clavigera* Stach (1867) p. 81.
1929. *Schöttella clavigera* Stach (1868) p. 363; Synonymy.
1938. *Schöttella clavigera* Handschin (1011) p. 138; Bismark Archipelago.

Schoettella corticicola Schaeffer, 1897

1897. *Schöttella corticicola* Schaeffer (1735) p. 176, figs. 34, 62.
1901. *Pseudachorutes corticicola* Krausbauer (1204) p. 93; Germany.
1929. *Schöttella corticicola* Stach (1868) p. 363; Hungary; Synonymy.

Schoettella dahlii Schaeffer, 1898

1898. *Schöttella dahlii* Schaeffer (1737) p. 400, figs. 1–3, 40, 41; Bismark Archipelago.
1901. *Pseudachorutes dahlii* Börner (234) p. 1.
1901. *Schöttella dahlii* Schött (1771) p. 318; Dutch New Guinea.
1929. *Schöttella dahlii* Stach (1868) p. 363; Synonymy.

Schoettella distincta (Denis) 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Beckerella distincta* Denis (638) pp. 70, 162, figs. 9-16; Costa Rica.
1949. *Schoettella distincta* Stach (1887) p. 178; Costa Rica.

Schoettella glascowi Folsom, 1916

COTYPES: Mus. Comp. Zool., Harvard.
1916. *Achorutes* (*Schöttella*) *glascowi* Folsom (787) p. 494; Pl. 16, figs. 118–126; New York.
1933. *Achorutes* (*Schöttella*) *glascowi* James (1124) p. 90; Canada.
1934. *Achorutes* (*Schöttella*) *glascowi* Mills (1417) p. 14, fig. 20; Iowa, U.S.A.
1944. *Hypogastrura glascowi* Gisin (854) p. 12; Europe; Nth. America.
1949. *Schoettella glascowi* Stach (1887) p. 178; U.S.A.
1951. *Hypogastrura glascowi* Maynard (1393) p. 47; New York.
1954. *Schoettella glascowi* Bellinger (174) p. 18; Connecticut.

Schoettella inermis (Tullberg) 1871

1871. *Achorutes inermis* Tullberg (2002) p. 143; Sweden.
1900. *Schöttella inermis* Axelson (75) p. 111; Finland; Sweden; Germany.
1908. *Schöttella inermis* Schille (1755) p. 7; Poland.
1912. *Beckerella inermis* Axelson (1292) p. 40; Finland.
1912. *Schoettella inermis* Dahl (496) p. 426; Ecology.
1912. *Schöttella inermis* Schille (1756) p. 3; Galicia.
1929. *Schöttella inermis* Stach (1868) p. 363; Synonymy.
1943. *Hypogastrura* (*Schoettella*) *inermis* Gisin (853) p. 142; Switzerland.
1949. *Schoettella inermis* Stach (1887) pp. 166, 171, 179; Cf. *Beckerellodes inermis.*
1956. *Hypogastrura* (*Schötella*) *inermis* Bockemuhl (193) p. 130; Spitzbergen.
1960. *Hypogastrura inermis* Gisin (2271) p. 53; Synonymy.
1960. *H.* (*Schoettella*) *inermis* Grindbergs (2373) p. 26; U.S.S.R.

Schoettella media Axelson, 1900

1900. *Schöttella media* Axelson (75) p. 110; Finland.
1919. *Schöttella media* Axelson (1293) p. 5, = *Hypogastrura parvula.*
1926. *Schoettella media* Stach (1867) p. 81; Taxonomy, = *Brachystomella parvula* (Axels.).
1929. *Schoettella media* Stach (1868) p. 364; Poland, Styria; Hungary; Synonymy.
1949. *Schoettella media* Stach (1887) p. 310; Poland; Styria; Hungary; Systematics.

Schoettella minor Scherbakow, 1899

1899. *Schoettella minor* Scherbakow (1753) p. 79, figs. 1 and 2; Russia.
1926. *Schoettella minor* Stach (1867) p. 81; Hungary; Synonymy.
1929. *Schoettella minor* Stach (1868) p. 364; Poland; Styria; Hungary; Synonymy.
1949. *Schoettella minor* Stach (1887) pp. 180, 310, 312, = *Brachystomella parvula* ?

Schoettella nodiseta Handschin, 1928

1928. *Schöttella nodiseta* Handschin (1002) p. 536, figs. 6–9; Mexico.
1949. *Schöttella nodiseta* Stach (1887) p. 179; Systematics.

Schoettella poppei Schaeffer, 1897

1897. *Schöttella poppei* Schaeffer (1735) p. 176, figs. 36, 63, 64; Germany.
1897. *Schoettella poppei* Poppe and Schaeffer (1607) p. 267; Germany.
1900. *Schoettella poppei* Schaeffer (1739) p. 252, figs. 8 and 9; Germany.
1901. *Achorutes poppei* Borner (234) p. 32; Germany.
1912. *Pseudachorutes dubius* Axelson (1292) p. 62; Finland; Cf. Stach (1868).
1929. *Schöttella poppei* Handschin (1009) p. 28; Germany.
1929. *Schoettella poppei* Stach (1868) p. 363; Synonymy.
1934. *Schöttella poppei* Volz (2069) p. 172; Ecology.
1949. *Schoettella poppei* Stach (1887) p. 179; = ***Pseudachorutes dubius.***

Schoettella rhaetica Carl, 1899

1899. *Schöttella rhätica* Carl (352) p. 298, Pl. 8, figs. 20–24; Switzerland.
1949. *Schöttella rhaetica* Stach (1887) p. 180; = *Pseudachorutes rhaetica.*

Schoettella sensibilis Schott, 1902

1902. *Schöttella sensibilis* Schott (1772) p. 11, Pl. II, figs. 13–20; Arctic.
1908. *Schöttella sensibilis* Schille (1755) p. 6; Poland.
1912. *Beckerella inermis* (Tullb.) Axelson (1292) p. 40; Finland; Cf. Stach (1868).
1912. *Schoettella sensibilis* Schille (1756) p. 3; Czechoslovakia.
1929. *Schoettella sensibilis* Stach (1868) p. 364; Synonymy.
1949. *Schöttella sensibilis* Stach (1887) p. 180; = *Beckerella inermis.*

Schoettella subcorta Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Schöttella subcorta* Salmon (1676) p. 295, Pl. 42, figs. 50–52; New Zealand.
1949. *Schoettella subcorta* Stach (1887) p. 178; New Zealand.

Schoettella subcrassa Schaeffer, 1897.

1897. *Schöttella subcrassa* Schaeffer (1736) p. 13, figs. 18–31; Tierra del Fuego.
1949. *Schöttella subcrassa* Stach (1887) p. 180, *sp. dub.*

Schoettella travassosi Arlé, 1939

1939. *Schöttella travassosi* Arlé (61) p. 295, figs. 1–15; Brazil.
1949. *Schöttella travassosi* Stach (1887) p. 180.

Schoettella tristani (Denis), 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Beckerella tristani* Denis (638) pp. 69, 162, figs. 1–8; Costa Rica.
1949. *Schoettella tristani* Stach (1887) p. 178; Costa Rica.

Schoettella ununguiculata (Tullberg) 1869

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1869. *Achorutes ununguiculatus* Tullberg (2001) p. 11; Scandinavia.
1871. *Achorutes ununguiculatus* Tullberg (2002) p. 153; Sweden.
1872. *Achorutes ununguiculatus* Tullberg (2003) p. 52, Pl. XI, figs. 4 and 5.
1873. *Podura tullbergii* Lubbock (1318) p. 186; Scandinavia.
1891. *Achorutes ununguiculatus* Moniez (1447) p. 70; France.
1893. *Achorutes ununguiculatus* Schött (1765) p. 85; Sweden.
1895. *Achorutes ununguiculatus* Reuter (1643) p. 31; Finland.
1896. *Achorutes ununguiculatus* Meinert (1399) p. 171; Greenland; Sweden; Finland.
1898. *Achorutes ununguiculatus* Jacobson; Cf. Axelson (1292).
1898. *Schöttella ununguiculata* Scherbakow (1750) p. 58; Kiev.
1898. *Schöttella ununguiculata* Scherbakow (1751) p. 7, Kiev.
1900. *Schöttella ununguiculata* Schaeffer (1738) p. 244; Sweden; South Russia; South Germany; France; Greenland.
1900. *Schöttella ununguiculata* Schaeffer (1739) p. 253, Pl. VI, figs. 10–12.
1900. *Schöttella ununguiculata* Skorikow (1833) p. 198; Spitzbergen.
1900. *Schöttella ununguiculata* Wahlgren (2077) p. 375; Greenland.
1901. *Schöttella ununguiculata* Krausbauer (1204) p. 89, figs. 86–88; Germany; Ad. descr.
1902. *Achorutes* (*Schöttella*) *ununguiculatus* Becker (158) p. 25, figs. 9 and 10; Russia.
1902. *Schöttella ununguiculata* Skorikow (1835) p. 92; Spitzbergen.
1905. *Achorutes* (*Schöttella*) *ununguiculatus* Axelson (81) p. 25; Tvärminne.
1906. *Achorutes ununguiculatus* Wahlgren (2080) p. 244; Sweden.
1907. *Achorutes ununguiculatus Axelson* (83) p. 128; Finland.
1908. *Podura tullbergii* Foster (814) p. 23; England.
1909. *Achorutes ununguiculatus* Nielson (1498) p. 409; Greenland.
1912. *Hypogastrura* (*Schöttella*) *ununguiculata* Axelson (1292) p. 37, Pl. IV, figs. 8–12; Finland.
1916. *Achorutes* (*Schöttella*) *ununguiculatus* Folsom (787) p. 498, Pl. 17, figs. 127–136; North America.
1918. *Schöttella ununguiculata* Henriksen and Lundbeck (1044) p. 742; Greenland.
1921. *Schoettella ununguiculata* Denis (607) p. 123; France.
1922. *Hypogastrura ununguiculata* Latzel (1250) p. 53; Austria.
1923. *Hypogastrura ununguiculata* Womersley (2147) p. 30; S.W. England.
1924. *H.* (*Schöttella*) *ununguiculata* Denis (614) p. 290; France.
1928. *Hypogastrura* (*Schoettella*) *ununguiculata* Remy (1625) p. 61; Greenland.
1929. *Schöttella ununguiculata* Handschin (1008) p. 28; Nth. Europe; Germany; Greenland.

1930. *Achorutes ununguiculatus* Kel'shtein (1161) p. 76; Russia.
1930. *Schöettella ununguiculata* Stach (1869) p. 280; Russia; Europe.
1932. *Schöttella ununguiculata* Brown (312) p. 331; Nth. Canada.
1932. *Schöttella ununguiculata* Durkop (706) p. 234; Germany.
1933. *Hypogastrura ununguiculata* Turk (2007) p. 93; Britain.
1934. *Schöttella ununguiculata* Durkop (707) p. 493; Finland.
1934. *Hypogastrura (Schoettella) ununguiculata* Jorgensen (1145) p. 7; Greenland.
1934. *Podura ununguiculata* Perrier (1576) p. 34 and fig; France.
1936. *Schöttella ununguiculata* Tarsia in Curia (1951) p. 19; Italy.
1938. *Schöttella ununguiculata* Kseneman (1220) p. 8; Europe.
1939. *Achorutes (Schöttella) ununguiculata* Mills (1422) p. 159; North America.
1943. *Schoettella ununguiculata* Agrell (47) p. 124; Sweden.
1943. *Hypogastrura (Schoettella) ununguiculata* Gisin (853) p. 141; Switzerland.
1949. *Schoettella ununguiculata* Stach (1887) p. 181, Pl. XIX; West Ukraine; Hungary; Slovakia; Poland; Lithuania; Revised descr.
1951. *Hypogastrura ununguiculata* Schaller (1746) p. 493; Germany; Ecology.
1951. *Schöttella unguiculata* Schaller (1746) p. 492; *lapsus calami;* Germany; Ecology.
1954. *Schöttella ununguiculata* Bellinger (174) p. 18; Connecticut.
1955. *Hypogastrura ununguiculata* Chopard (434) p. 17; France.
1955. *Schöttella ununguiculata* Stach (1893) p. 88, figs. 226–229.
1955. *Schoettella ununguiculata* Strenzke (1926) p. 20; Europe; North America.
1956. *Hypogastrura (Schötella) ununguiculata* Bockemuhl (193) p. 129; Spitzbergen.
1958. *Schöttella ununguiculata* Grindbergs (2277) p. 190; Latvia.
1958. *Hypogastrura ununguiculata* von Torne (1993) p. 659; Austria.
1959. *Schöttella ununguiculata* Paclt (2317) p. 338; Czechoslovakia.
1959. *Schöttella ununguiculata* Stach (1896) p. 20; Poland.
1960. *Hypogastrura ununguiculata* Gisin (2271) p. 53; Europe.
1960. *H. (Schoettella) ununguiculata* Grindbergs (2373) p. 26; U.S.S.R.

Genus: DENIGASTRURA Stach, 1949 (1887) p. 47.

Type species fixed: *D. tetrophthalma* (Denis), by Stach, 1949 (1887) p. 47.

Denigastrura fukugakuchiana Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Hypogastrura (Denigastrura) fukugakuchiana* Yosii (2235) p. 13, Pl. 1, figs. 12–15; Pl. II, figs. 16–18; Japan.

Denigastrura quinqueoculata Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Hypogastrura (Denigastrura) quinqueoculata* Yosii (2235) p. 12, Pl. I, figs. 10 and 11; Japan.

Denigastrura tetrophthalma (Denis), 1928

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1928. *Hypogastrura tetrophthalma* Denis (631) p. 1, figs. 1–4; Somaliland.
1949. *Denigastrura tetrophthalma* Stach (1887) p. 47; Taxonomy.

Genus: MESOGASTRURA Bonet, 1930 (202) p. 132.

Type species fixed: *M. carpetana* Bonet, 1930 (202) p. 132.

Mesogastrura anthrohungarica Loksa, 1959

1959. *Mesogastrura anthrohungarica* Loksa (2297) p. 78, figs. 3 and 4; Hungary.

Mesogastrura boneti Tarsia in Curia, 1941

1941. *H. (Mesogastrura) boneti* Tarsia in Curia (1954) p. 1, fig. 1; Italy.
1943. *Hypogastrura (Mesogastrura) boneti* Tarsia in Curia (1956) p. 47; Italy, caves.
1950. *Mesogastrura Boneti* Del. Deb. (570) p. 311; Italy.
1951. *Mesachorutes boneti* Del. Deb. and Gisin (597) p. 133, figs. 1–5; Italy.
1960. *Mesachorutes boneti* Gisin (2271) p. 57; Italy.

Mesogastrura carpetana Bonet, 1930

1930. *Hypogastrura (Mesogastrura) carpetana* Bonet (202) p. 133, fig. III; Spain.
1931. *Hypogastrura (Mesogastrura) carpetana* Bonet (205) pp. 299, 375, fig. III; Spain; Systematics.
1949. *Mesogastrura carpetana* Stach (1887) p. 189; Spain; Systematics.
1960. *Mesachorutes carpetanus* Gisin (2271) p. 58; Spain; Taxonomy.

Mesogastrura coeca Cassagnau, 1959

TYPE: Author's Pers. Colln., Lab. Zoo. Fac. Sci., Toulouse, France.
1959. *Mesogastrura coeca* Cassagnau (2262) p. 70, fig. 18; France.

Mesogastrura intermedia Denis, 1931

1931. *Hypogastrura (Mesogastrura) intermedia* Denis (637) p. 9, figs. 9–12; Italy.
1931. *Mesogastrura intermedia* Denis (640) p. 81; Italy.
1949. *Mesogastrura intermedia* Stach (1887) p. 190; Italy.
1951. *Mesachorutes intermedia* Del. Deb. and Gisin (598) p. 1, figs. 1, 4, 5; Italian caves.
1960. *Mesachorutes intermedius* Gisin (2271) p. 59; Italy.

Mesogastrura kuzuuensis Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Mesogastrura kuzuuensis* Yosii (2235) p. 18, Pl. IV, figs. 41–45; Pl. V, figs. 46–48; Japan.
1959. *Mesogastrura kuzuuensis* Stach (2340) p. 440; Systematic affinities.

Mesogastrura levantina Bonet, 1930

1930. *Hypogastrura (Mesogastrura) levantina* Bonet (204) p. 443, fig. 1; Spain.
1931. *Hypogastrura (Mesogastrura) levantina* Bonet (205) pp. 299, 375, fig. IV; Spain.
1949. *Mesogastrura levantina* Stach (1887) p. 190; Spain.
1960. *Mesachorutes levantinus* Gisin (2271) p. 58; Spain.

Mesogastrura ojcoviensis (Stach), 1918

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1918. *Mesachorutes ojcoviensis* Stach (1858) p. 205, figs. 1–5; Poland.

1930. *Hypogastrura* (*Mesogastrura*) *ojcoviensis* Bonet (202) p. 135; Poland; Morphology.
1931. *Hypogastrura* (*Mesogastrura*) *ojcowiensis* Bonet (205) p. 375; Poland, in caves.
1949. *Mesogastrura ojcoviensis* Stach (1887) p. 191, Pl. XX; Poland; Revised descr.
1951. *Mesogastrura ojcoviensis* Stach (1889) p. 42; fig. 20.
1952. *Mesogastrura intermedia* Cassagnau (2262) p. 69; Synonymy.
1952. *Mesogastrura levantina* Cassagnau (2262) p. 69; Synonymy.
1952. *Mesogastrura ojcowiensis* Cassagnau (2262) p. 69, fig. 1A; France; Synonymy.
1955. *Mesogastrura ojcoviensis* Stach (1893) p. 88, figs. 220-225; Poland; Spain.
1959. *Mesachorutes ojcoviensis* Stach (2340) p. 441; Taxonomic affinities.
1960. *Hypogastrura* (*Mesogastrura*) *carpetana* Gisin (2270) p. 95; *syn. nov.*
1960. *Hypogastrura quadripunctata tiroliensis* Gisin (2270) p. 95, *syn. nov.*
1960. *Mesachorutes intermedius* Gisin (2270) p. 95; Synonymy.
1960. *Mesachorutes levantinus* Gisin (2270) p. 95; Synonymy.
1960. *Mesachorutes ojcoviensis* Gisin (2270) p. 95; Switzerland; France.
1960. *Mesachorutes ojcoviensis* Gisin (2271) p. 59, figs. 126–127; Poland.

Mesogastrura quadripunctata (Ionesco, 1923) Gisin, 1944.
TYPE: Mus. Hist. Natur., Geneva.
1923. *Beckerella quadriocellata* Ionesco (1108) p. 377, *nec.* Absolon. Cf. Gisin (854).
1944. *Mesogastrura quadripunctata* Gisin (854) p. 14; Switzerland; *nom. nov.*
1960. *Mesachorutes ionescoi* Gisin (2271) p. 58; *syn. nov.*
1960. *Mesachorutes quadripunctatus* Gisin (2271) p. 58; Carpathians; Roumania.

Genus: MITCHELLANIA Wray, 1953 (2205) p. 1.
Type species fixed: *M. hermosa* Wray, 1953 (2205) p. 1.

Mitchellania hermosa Wray, 1953
TYPE: Insect Surv. Mus., Nth. Carolina Dept. Agric., Raleigh, N.C., U.S.A.
1953. *Mitchellania hermosa* Wray (2205) p. 2, figs. 1 G-O; U.S.A.

Genus: OCTOACANTHELLA Martynova, 1961 (2506) p. 849.
= *Spinachorutes* Scott, 1962 (2580) p. 263.
Type species fixed: *O. aethiopica* Martynova, 1961 (2506) p. 849.

Octoacanthella aethiopica Martynova, 1961
1961. *Octoacanthella aethiopica* Martynova (2506) p. 849, figs. 1–6; Ethiopia.

Octoacanthella krafti (Scott) 1962
1962. *Spinachorutes krafti* Scott (2580) p. 238, fig. 1; Oregon.

Genus: HYPOGASTRURA Bourlet, 1839 (259) p. 404.
= *Podura* Linné, 1758 (1300) p. 608 *ad partem.*
= *Achorutes* Templeton, 1842 (1957) p. 96 *ad partem.*
= *Rathumoutes* Templeton, 1842 (1958) p. 306 *ad partem.*
= *Achorutes* Tullberg, 1872 (2003) p. 50.
= *Podurhippus* Megnin, 1878 (1396) p. CXIV.
= *Schoturus* MacGillivray, 1893 (1342) p. 316.
= *Podurhippus* Schaeffer, 1896 (1735) p. 168.
= *Ceratophysella* Börner, 1932 (255) p. 140.
= *Neohypogastrura* Paclt, 1944 (1530) p. 52.
= *Agreniella* Bagnall, 1949 (130) p. 53.
= *Lubbockiella* Bagnall, 1949 (130) p. 53.
= *Ancistracanthella* Gisin, 1949 (872) p. 394; Cf. Cassagnau (421).
= *Neogastrura* Stach, 1949 (1887) pp. 9, 19.
= *Cyclograna* Yosii, 1960 (2409) p. 263.
Type species fixed: *H. viaticus* (Tullberg) by Internat. Comm. Zool. Nomen. 1956 (1102).
Rathumoutes Templeton, 1843—Suppressed under the Plenary Powers; *Int. Comm.*, 1956 (1102) p. 429.
Rathumoutes Templeton, 1843—Invalidated for Law of Priority but not for Law of Homonymy; *Int. Comm.*, 1958 (2376) p. 79.
Neogastrura Stach, 1949—Placed on Official Index of Rejected and Invalid Generic Names; Opinion 435, 1956 (1102) p. 429 and *Int. Comm.*, 1958 (2376) p. 79.

Hypogastrura acanthospina Steiner, 1958
1958. *Hypogastrura* (*Ceratophysella*) *acanthospina* Steiner (2342) p. 71, fig. 2; Spain.
1960. *Hypogastrura acanthospina* Gisin (2271) p. 50; Spain.

Hypogastrura acuminata Cassagnau, 1952
TYPE: Author Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1952. *Hypogastrura acuminata* Cassagnau (411) p. 306, fig. 2; France.
1958. *Hypogastrura acuminata* Cassagnau (2260) p. 3379.
1959. *Ceratophysella acuminata* Cassagnau (2261) p. p. 491, fig. 8; France.
1960. *Hypogastrura acuminata* Gisin (2271) p. 44, fig. 97; France.

Hypogastrura aequepilosa (Stach) 1949
TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.
1949. *Neogastrura aequepilosa* Stach (1887) p. 96, Pl. X; Poland; Ukraine; Spitzbergen.
1955. *Hypogastrura aequepilosa* Stach (1893) p. 96, figs. 260–262; Europe.
1959. *Hypogastrura aequepilosa* Stach (1896) p. 18; Poland; Spitzbergen.

Hypogastrura aethiopica (Tarsia in Curia) 1939
1939. *Achorutes aethiopicus* Tarsia in Curia (1953) p. 271, fig. 2; Ethiopia.

Hypogastrura affinis (Lucas) 1846
1846. *Achorutes affinis* Lucas (1328) p. 256; N. Africa.
1847. *Achorutes affinis* Nicolet (1496) p. 379; Algeria.
1849. *Achorutes affinis* Lucas (1329) p. 376; Algeria.

Hypogastrura agaricina Bourlet, 1841
1841. *Hypogastrura agaricina* Bourlet (261) p. 125; Europe.
1843. *Hypogastrura agaricina* Bourlet (265) p. 37; Europe.

Hypogastrura agaricorum (Bourlet) 1841
1841. *Hypogastrura agaricina* Bourlet (261) p. 125; Europe.
1843. *Hypogastrura agaricina* Bourlet (265) p. 37; Europe.
1844. *Achorutes agaricorum* Gervais (841) p. 439; France.

1844. *Achorutes agaricinus* Lucas (1327) p. 295; Reference List.
1847. *Achorutes agoricorum* Nicolet (1496) p. 378; France.

Hypogastrura albella (Koch) 1840

1840. *Achoreutes Albellus* Koch (1187) p. 359; Germany.

Hypogastrura alpina (Waga) 1842

1842. *Achorutes bielanensis* Waga (2071) p. 264, Pl. XI, figs. 5–8; Poland.
1882. *Achorutes alpinus* Tomosvary (1983) p. 126, Pl. 1, figs. 1–5; Hungary.
1900. *Achorutes bielanensis* Vellay (2056) p. 21; Hungary.

Hypogastrura angularis (Bagnall) 1949

1949. *Agreniella angularis* Bagnall (130) p. 53; Britain.
1962. *Hypogastrura angularis* Lawrence (2482) p. 143; probably *H. bengtssoni.*

Hypogastrura antarctica Salmon, 1962

HOLOTYPE: Bishop Mus., Honolulu.
PARATYPES: Dominion Mus., Wellington, N.Z.; U.S. Nat. Mus., Washington, D.C.; Brit. Mus. Nat. Hist., London; Mus. Comp. Zool., Harvard.
1962. *Hypogastrura antarctica* Salmon (2539) p. 887, figs. 1–13; Antarctic.

Hypogastrura armata (Nicolet), 1841

1841. *Podura armata* Nicolet (1493) p. 57; Europe.
1843. *Hypogastrura fuscoviridis* Bourlet (265) p. 37; France, Switzerland.
1844. *Achorutes armatus* Gervais (841) p. 437; Europe; Cf. Stach (1887).
1844. *Podura armatus* Lucas (1327) p. 292; Reference List.
1845. *Podura armata* Bourlet (266), p. 67; Europe.
1847. *Achorutes armatus* Nicolet (1496) p. 378; France; Switzerland.
1868. *Achorutes armatus* Lubbock (1316) p. 301, Pl. XXII, fig. 23; England.
1869. *Podura armata* Porath (1608) p. 653; Scania.
1871. *Achorutes armatus* Tullberg (2002), p. 153; Sweden.
1872. *Achorutes armatus* Tullberg (2003), p. 51, Pl. X, figs. 23–25; Sweden.
1873. *Achorutes armatus* Lubbock (1318) p. 180, Pl. XL; Britain.
1873. *Achorutes boletivorus* Packard (1521) p. 23; Massachusetts; Cf. Stach (1887).
1873. *Achorutes marmoratus* Packard (1521) p. 30; Maine, U.S.A.; Cf. Stach (1887).
1873. *Achorutes pratorum* Packard (1521) p. 23; Massachusetts; Cf. Stach (1887).
1873. *Achorutes texensis* Packard (1521) p. 23; North America; Cf. Stach (1887).
1876. *Achorutes armatus* Tullberg (2004) pp. 38, 42, Pl. X, fig. 35; Greenland; Siberia; Sweden.
1878. *Achorutes armatus* Parona (1557) pp. 559, 605; Italy.
1882. *Achorutes armatus* Tomosvary (1983) p. 124; Hungary.
1883. *Achorutes armatus* Parona (1558) p. 463; Italy.
1884. *Achorutes armatus* Tomosvary (1985) p. 230; Systematics.
1887. *Achorutes armatus* Oudemans (1510) p. 98; Holland.
1887. *Achorutes armatus* Schaeffer (1736) p. 12; South America.
1888. *Achorutes armatus* Parona (1563) p. 143; Liguria, Italy.
1890. *Achorutes armata* Moniez (1443) p. 365; France, on mushrooms.
1890. *Achorutes armatus* Oudemans (1512) p. 89; Indian Archipelago.
1891. *Achorutes armatus* MacGillivray (1341) p. 274; Greenland; Siberia.
1891. *Achorutes boletivorus* MacGillivray (1341) p. 274; U.S.A.; Cf. Coleman (458).
1891. *Achorutes marmoratus* MacGillivray (1341) p. 274; Maine, U.S.A.; Cf. Coleman (458).
1891. *Achorutes pratorum* MacGillivray (1341) p. 274; Maine; New York; Cf. Coleman (458).
1891. *Achorutes texansis* MacGillivray (1341) p. 274; Texas; Cf. Coleman (458).
1891. *Achorutes armatus* Schött (1762) p. 23; California.
1891. *Achorutes armatus* Uzel (2050) p. 68; Bohemia.
1891. *Achorutes armatus* Uzel (2051) p. 920; Helgoland.
1893. *Achorutes marmoratus* Harvey (1028) p. 182; America; Cf. Coleman (458).
1893. *Achorutes armatus* Schött (1765) p. 83; Sweden, distribution.
1893. *Achorutes armatus* Wilson (2140) p. 202; Swarming.
1894. *Achorutes armatus* Lampa (1238) p. 60; Discussion.
1894. *Achorutes armatus* Moniez (1452) p. 210; New Zealand.
1894. *Achorutes armatus* Schøyen (1782) p. 7; Europe.
1895. *Achorutes boletivorus* Dalla Torre (498) p. 13; U.S.A.; Cf. Coleman (458).
1895. *Achorutes pratorum* Dalla Torre (498) p. 13; U.S.A.; Cf. Coleman (458).
1895. *Achorutes texansis* Dalla Torre (498) p. 13; U.S.A.; Cf. Coleman (458).
1895. *Achorutes armatus* Parona (1565) p. 699; Argentina.
1895. *Achorutes armatus* Reuter (1643) p. 29; Finland; Europe; North America; California; Sumatra.
1895. *Achorutes armatus* Smith (1841) p. 475; New Zealand.
1896. *Achorutes armatus* Lie-Pettersen (1281) p. 19; Norway.
1896. *Achorutes armatus* Meinert (1399) p. 171; Greenland; Siberia; Sumatra; North America.
1896. *Achorutes armatus* Schaeffer (1735) p. 173, Tab. II, figs. 31, 46; Germany.
1896. *Achorutes armatus* Schött (1769) p. 187; California.
1897. *Achorutes armatus* Carpenter (365) p. 229; Ireland.
1897. *Achorutes armatus* Poppe and Schaeffer (1607) p. 266; Germany.
1898. *Achorutes armatus* Dalla Torre (497) p. 157; Tyrol.
1898. *Achorutes armatus* Jacobson? Cf. Axelson (1292) p. 13.
1898. *Achorutes armatus* Lie-Pettersen (1282) p. 14; Norway.
1898. *Achorutes armatus* Scherbakow (1750) p. 58; Kiev.
1898. *Achorutes armatus* Scherbakow (1751) p. 6; Kiev.
1899. *Achorutes armatus* Carl (352) p. 295; Switzerland.
1899. *Achorutes armatus* Carpenter and Evans (402) p. 254; Scotland.
1899. *Achorutes armatus* Lie-Pettersen (1283) p. 11; Norway.
1899. *Achorutes armatus* Scherbakow (1752) p. 1; Spitzbergen.
1900. *Achorutes armatus* Schaeffer (1738) p. 243; Greenland; N.W. Siberia; Waigatsch.

1900. *Achorutes armatus* Schaeffer (1739) p. 249; Germany.
1900. *Achorutes armatus* Skorikow (1833) p. 198; Spitzbergen.
1900. *Achorutes armatus* Vellay (2056) p. 21; Hungary.
1900. *Achorutes armatus* Wahlgren (2077) pp. 356, 375; Siberia; Greenland; Jan Mayen I.
1900. *Achorutes armatus* Willem (2123) pp. 6, 22; Europe.
1901. *Achorutes armatus* Absolon (11) p. 38; Czechoslovakia.
1901. *Achorutes armatus* Absolon (12) p. 105; Krase, Czechoslovakia.
1901. *Achorutes armatus* Börner (234) p. 28, Figs. 4 and 12; Central Europe.
1901. *Achorutes armatus* Boyd (268) p. 317; Scotland.
1901. *Achorutes armatus* Carl (354) p. 251; Switzerland.
1901. *Achorutes armatus* Evans (739) p. 156; England.
1901. *Achorutes armatus* Evans (740) p. 153, Scotland.
1901. *Achorutes armatus* Krausbauer (1204) p. 88; Germany.
1902. *Achorutes armatus* Becker (158) p. 24, fig. 7; Russia.
1902. *Achorutes armatus* Schött (1772) p. 5, Pl. 1, figs. 1a, 1b, 1c; Arctic.
1902. *Achorutes armatus* Skorikow (1835) p. 92; Spitzbergen.
1902. *Achorutes armatus* Willem (2133) p. 278; Belgian cave.
1903. *Achorutes armatus* Ågren (55) p. 120; Sweden; ad. descr.
1903. *Achorutes armatus* Becker (159) p. 6, fig. 7; Russia.
1903. *Achorutes boletivorus* Guthrie (95) p. 1; Minnesota; Cf. Coleman (458).
1904. *Achorutes armatus* Ågren (56) p. 2; Lapland.
1904. *Achorutes armatus* Carpenter (2360) p. 251, fig. 2; Agric. pest.
1904. *Achorutes armatus* Hutton (1085) p. 354; New Zealand.
1905. *Achorutes armatus* Axelson (81) p. 24; Tvärminne, Finland.
1905. *Achorutes armatus* Axelson (82) p. 5; Revals, Russia.
1905. *Achorutes armatus* Becker (160) p. 86; Moscow.
1906. *Achorutes armatus* Lie-Pettersen (1284) p. 55; Norway.
1906. *Achorutes armatus* Navas (1483) p. 20; Spain.
1906. *Achorutes armatus* De Pitarque (1596) p. 99; Colombia.
1906. *Achorutes armatus* Wahlgren (2080) p. 242, fig. 7; Sweden.
1906. *Achorutes filiformis* Wahlgren (2080) p. 242; Sweden.
1907. *Achorutes armatus* Axelson (84) p. 17; North Finland.
1907. *Achorutes armatus* Latzel (1248) p. 153; Austria. Swarming.
1908. *Achorutes armata* Schille (1755) p. 6; Poland.
1909. *Achorutes armatus* Nielsen (1498) p. 409; Greenland.
1909. *Achorutes armatus* Shoebotham (1818) p. 58. Gen. Economics.
1910. *Achorutes armatus* Bagnall (102) p. 498; England.
1910. *Achorutes armatus* Collinge (464) p. 6; England.
1910. *Achorutes armatus* Collinge and Shoebotham (472) p. 100; England.
1910. *Achorutes armatus* Theobald (1964) p. 184. Gen. Economics.
1911. *Hypogastrura armata* Axelson (1291) p. 1; Norway; Cf. Stach (1887).
1911. *Achorutes armatus* Collinge (466) p. 266; England.
1912. *Achorutes armatus* Dahl (496) p. 426. Ecology.
1912. *Achorutes armatus* Imms (1090) p. 85; Ceylon.
1912. *Hypogastrura armata* Linnaniemi (1292) p. 13, Plate II, figs. 1-2; Finland.
1912. *Achoreutes armatum* Popenoe (1605) p. 6; U.S.A. (pest, mushrooms).
1912. *Achorutes armatus* Schille (1756) p. 3; Distribution.
1912. *Cysticeras (Achorutes) armatus* Schille (2394) p. 127; Poland.
1913. *Achorutes armatus* Carpenter (388) p. 32; Clare I.; Gt. Britain; Ireland.
1914. *Hypogastrura armata* Caroli (362) p. 2; Italian Libya.
1914. *Achorutes armatus* Shoebotham (1820) p. 60; Ireland.
1916. *Achorutes armatus* Bartholin (149) p. 180; Denmark.
1916. *Achorutes armatus* Carr (407) p. 64; England.
1916. *Achorutes armatus* Folsom (787) p. 491, pl. 7, fig. 2, Pl. 15, figs. 108-113, Pl. 16, figs. 114-117; North America; Synonymy.
1916. *Achoreutes armatum* Weiss (2110) p. 162; New Jersey.
1917. *Achorutes armatus* Latzel (1249) p. 233; Austria.
1917. *Hypogastrura armata* Schött (1659) p. 3; North Queensland; Distribution.
1917. *Hypogastrura armata* Shoebotham (1823) p. 220; England.
1918. *Achorutes armatus* Brown (296) p. 185; England.
1918. *Achorutes armatus* Henriksen and Lundbeck (1044) p. 741; Greenland.
1918. *Podura armata* Henriksen and Lundbeck (1044) p. 741; Greenland.
1919. *Hypogastrura armata* Axelson (1293) p. 4; Arctic Urals.
1919. *Achorutes armatus* Folsom (790) p. 272, Pl. 17, figs. 9-13; Greenland.
1919. *Achorutes armata* Folsom (791) p. 5, Pl. 3, figs. 21-25; Arctic.
1919. *Hypogastrura armata* Handschin (977) p. 68; Cosmopolitan; Switzerland.
1919. *Achorutes sigillatus* Liniger (1289) p. 148; Cf. Handschin (995).
1919. *Achorutes armatus* McNamara (1360) p. 241; Systematics.
1919. *Hypogastrura armata* Wahlgren (2089) p. 744; Sweden.
1920. *Achorutes armatus* Morris (1454) p. 147; Ecology.
1921. *Achorutes armatus* Denis (607) p. 123; France; Taxonomy.
1921. *Hypogastrura armata* Schött (1775) p. 34; Juan Fernandez Is.
1922. *Achorutes armatus* Denis (608) p. 284; North Africa; Taxonomy.
1922. *Achorutes armatus* Denis (609) p. 110; Ile de Yeu, France.
1922. *Hypogastrura armata* Grasse (934) p. 190; Physiology; Habits.
1922. *Hypogastrura armata* Latzel (1250) p. 51; Austrian Alps.
1922. *Hypogastrura armata* Stach (1860) p. 6; Hungary.
1923. *Hypogastrura armata* Womersley (2147) p. 30; S.W. England.
1924. *Hypogastrura armata* Denis (614) p. 290; France.
1924. *Hypogastrura armata* Folsom (796) p. 506, Pl. I, fig. 1; Sumatra; Java.
1924. *Hypogastrura armata* Grass (933) p. 334; Habits.

1924. *Hypogastrura armata* Handschin (981) p. 89, figs. 1, 14, 15, 16; Switzerland.
1924. *Hypogastrura armata* Handschin (984) p. 170; Hochmoore, Estland.
1924. *Achorutes armatus* Houlbert (1078) p. 74, Pl. II, fig. 10; Ile de Yeu, France.
1924. *Hypogastrura armata* Schött (1776) p. 4; Novaya Zemlya.
1924. *Achorutes armatus* Thompson (1970) p. 360; Ecology.
1925. *Achorutes longispinis* Carpenter (395) p. 2; New Zealand; Cf. Salmon (1676).
1925. *Achorutes armatus* Denis (617) p. 201; Italy.
1925. *Hypogastrura armata* Handschin (985) p. 267; Sumatra.
1925. *Hypogastrura armata* Handschin (986) p. 230; Germany.
1925. *Hypogastrura armata* Schött (1778) p. 1; East Siberia.
1926. *Hypogastrura armata* Handschin (988) p. 15, figs. 9, 18, 29; Biology.
1926. *Hypogastrura armata* Handschin (990) p. 117, fig. 1; Algeria.
1926. *Hypogastrura armata* Handschin (995) p. 119; Subterranean.
1926. *Hypogastrura armata* Stirnimann (1907) p. 251; Ecology.
1926. *Hypogastrura armata* Womersley (2153) p. 217; S.W. England.
1927. *Achorutes armatus* Denis (629) p. 171; Italy.
1927. *Hypogastrura armata* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Hypogastrura armata* Womersley (2154) p. 375; S.W. England.
1927. *Hypogastrura armata* Womersley (2155) p. 39; Savenake Forest; England.
1928. *Hypogastrura armata* Handschin (1001) p. 265; Sumatra, Java.
1928. *Hypogastrura armata* Handschin (1002), p. 534; Mexico.
1928. *Hypogastrura armata* Handschin (1003) p. 124; East Prussia.
1928. *Hypogastrura armata* Handschin (1005) p. 4; Algeria.
1928. *Hypogastrura armata* Jackson (1121), p. 300; England.
1928. *Hypogastrura armata* Remy (1625) p. 59; Greenland.
1929. *Hypogastrura armata* Bonet (200), p. 792; Spain; Ad. descr.
1929. *Hypogastrura armata* Denis (635) p. 131; Italy.
1929. *Achorutes armatus* Edwards (715) p. 310; Ecology.
1929. *Hypogastrura armata* Handschin (1006) p. 231; South India.
1929. *Hypogastrura armata* Handschin (1008) p. 22, figs. 22, 23; Germany; Cosmopolitan.
1929. *Hypogastrura armata* Hnatewytsch (1066) p. 255.
1929. *Achorutes armatus* Kel'schtein (1160) p. 247; Russia.
1929. *Hypogastrura armata* Stach (1869) p. 279; Hungary.
1929. *Achorutes armatus* Thomas (1966) p. 224; Economics.
1930. *Hypogastrura armata* Buitendijk (334), p. 54; Holland.
1930. *Achorutes armatus* Kel'schtein (1161) p. 76; Russia.
1930. *Achorutes armatus* Mills (1414), p. 391; Agric. pest.
1930. *Hypogastrura armata* Womersley (2168) p. 165; Ireland; Diagnostic characters.
1931. *Hypogastrura armata* Bonet (205) p. 373; Ireland and Belgium, in caves.
1931. *Hypogastrura armata* Brown (310) p. 132; Lapland.
1931. *Hypogastrura armata* Denis (637) p. 5; Italian caves.
1931. *Hypogastrura armata* Denis (638) p. 74; Costa Rica; Ad. descr.; Distribution.
1931. *Hypogastrura armata* Denis (639) p. 201; Reference List.
1931. *Hypogastrura armata* Lindroth (1286) p. 125; Iceland.
1931. *Achorutes armatus* Thomas (1967) p. 6, Pl. 5; mushroom pest.
1932. *Ceratophysella armata* Börner (255) p. 136; Germany.
1932. *Hypogastrura armata* Brown (312) p. 339; Arctic.
1932. *Hypogastrura armata* Handschin (1010) p. 475; Sumatra; Java, Bali.
1932. *Hypogastrura armata* Kseneman (1211) p. 5; Europe.
1932. *Hypogastrura armata* Stach (1871) p. 271; Germany.
1932. *Hypogastrura armata* Stammer (1897) p. 610; Ecology.
1933. *Hypogastrura armata* Bonet (209) p. 127; Argentina.
1933. *Hypogastrura armata* Denis (645) p. 222; Costa Rica.
1933. *Achorutes armatus* Folsom (802) p. 936; Agric. pest.
1933. *Achorutes armatus* James (1124) p. 90; Canada.
1933. *Achorutes armatus* Mills & Rolfs (1431) p. 77; Washington.
1933. *Hypogastrura armata* Schubert (1787) p. 181; Ecology.
1933. *Hypogastrura armata* Turk (2007) p. 93; Britain.
1933. *Hypogastrura armata* Womersley (2176) p. 50, fig. 1 a-c; Australia.
1934. *Hypogastrura armata* Durkop (707) p. 491; Cosmopolitan.
1934. *Hypogastrura armata* Jorgensen (1145) p. 7; Greenland.
1934. *Achorutes armatus* Mills (1417) p. 10; Iowa, U.S.A.; Distribution.
1934. *Podura armata* Perrier (1576) p. 34; France.
1934. *Hypogastrura armata* Volz (2069) p. 171; Ecology.
1934. *Hypogastrura armata* Womersley (2177) pp. 444, 467; South Africa.
1935. *Hypogastrura armata* Axelson (1295) p. 138; Spitzbergen.
1935. *Hypogastrura armata* Pax & Maschke (1573) p. 34; Europe.
1935. *Hypogastrura armata* Schubert (1790) p. 94; Europe.
1935. *Hypogastrura armata* Schubert (1791) pp. 104, 198, 364; Germany.
1936. *Hypogastrura armata* Axelson (1297) p. 21; N.E. Greenland.
1936. *Hypogastrura armata* Bornebusch (227) p. 39; Denmark.
1936. *Hypogastrura armata* Brown (314) p. 40; Lapland.
1936. *Achorutes armatus* Compton (474) p. 735; Economics.
1936. *Hypogastrura armata* Davies (525) p. 87; Grimsey Island; N. Iceland.

1936. *Hypogastrura armata* Denis (661) p. 261; North India.
1936. *Hypogastrura armata* Nordberg (1500) p. 342; Ecology.
1936. *Hypogastrura armata* Tarsia in Curia (1951) p. 19; Italy.
1936. *Hypogastrura armata* Womersley (2183) p. 317; New Zealand.
1937. *Hypogastrura armata* Brown (316) p. 515; E. Greenland.
1937. *Hypogastrura armata* Denis (663) p. 53; Italy, caves.
1937. *Hypogastrura armata* Frenzel (828) p. 295; Ecology.
1937. *Hypogastrura armata* Hammer (966) p. 10; East Greenland.
1937. *Hypogastrura armata* Schubert (1792) p. 124; Cosmopolitan.
1938. *Achorutes armatus* Brimley (275) p. 14; North Carolina.
1938. *Hypogastrura armata* Denis (665) p. 119; Italy; Add. descr.
1938. *Hypogastrura armata* Hammer (968) p. 6; East Greenland.
1938. *Hypogastrura armata* Handschin (1011) p. 138; Juan Fernandez Is.: Oceania.
1938. *Hypogastrura (Ceratophysella) armata* Kseneman (1219) p. 106; European Alps.
1938. *Hypogastrura (Ceratophysella) armata* Kseneman (1220) p. 8; Europe.
1938. *Achorutes armatus* Mills (1421) p. 14; North Carolina.
1938. *Hypogastrura armata* Strebel (1917) p. 123; Germany; Ecology.
1939. *Achorutes armatus* Bueker (332) p. 11, fig. 7; St. Louis, U.S.A.
1939. *Achorutes armatus* Mills (1422) p. 159; North America.
1939. *Hypogastrura armata* Strouhal (1931) p. 262; Ecology.
1939. *Achorutes (Hypogastrura) armatus* Thomas (1969) p. 18; on edible fungi.
1939. *Hypogastrura armata* Womersley (2190) p. 88, fig. 40 a–f; South Australia.
1940. *Hypogastrura armata* Strouhal (1932) p. 398; Ecology.
1940. *Hypogastrura armata* Yosii (2225) p. 114, figs. 1–6; Formosa; slight deviations noted.
1941. *Hypogastrura armata* Agrell (46) p. 19; Swedish Lapland.
1941. *Hypogastrura armata* Buitendijk (336) p. 17, fig. 3; Netherlands; Cosmopolitan.
1941. *Achorutes armatus* Coleman (458) p. 4, figs. 13, 14; South Carolina; Synonymy.
1941. *Achorutes armatus* Salmon (1676) p. 290, figs. 35–38; New Zealand.
1942. *Hypogastrura (Achorutes) armata* Caspers (408) p. 149; Helgoland I.
1942. *Achorutes armatus* Essig (733) p. 81, fig. 33; Anatomy.
1942. *Hypogastrura armata* Haarlon (954) p. 43; Greenland.
1942. *Hypogastrura armata* Handschin (1012) p. 403; Mesopotamia; Palestine; North Africa.
1942. *Hypogastrura armata* Marlier (1375) p. 8; Belgium.
1942. *Hypogastrura armata* Muhlmann (1467) p. 245; Europe.
1942. *Hypogastrura armata* Scott (1796) p. 177; West U.S.A.
1942. *Hypogastrura armata* Tiegs (1971) p. 153, figs. 1 and 2; Embryology.
1942. *Hypogastrura armata* Womersley (2193) p. 23; New Zealand.
1943. *Hypogastrura armata* Agrell (47) p. 124; Sweden.
1943. *Hypogastrura armata* Gisin (853) p. 140; Switzerland.
1943. *Achorutes armatus* Salmon (1680) p. 375; Auckland, N.Z.; Habitat.
1944. *Hypogastrura armata* Hammer (969) p. 61; Nth. America; Greenland; Iceland; Jan Mayen; Spitzbergen; Lapland; Novaya Zemlya; Arctic Siberia; Finland; Switzerland; Europe.
1944. *Hypogastrura armata* Tuxen (2010), p. 175; Iceland.
1944. *Hypogastrura armata* Uchida (2021) p. 2; Saipan I.; Marianas Is.; Micronesia.
1945. *Hypogastrura armata* Agrell (50) p. 10; Sweden; Norway; Finland; Habitats.
1945. *Hypogastrura armata* Marlier (1377) p. 253; Belgian Congo.
1945. *Achorutes armatus* Wray (2197) p. 347; North Carolina.
1946. *Achorutes armatus* Pearse (1575) p. 139; South Carolina; Ecology.
1947. *Hypogastrura armata* Delamare-Deboutteville (550) p. 127; France.
1947. *Hypogastrura (Ceratophysella) armata* Gisin (865) p. 342; Polymorphism in Swiss forms.
1948. *Hypogastrura armata* Denis (677) p. 1; Corsica.
1948. *Ceratophysella (Hypogastrura) armata* Franz and Beier (821) p. 459; Austria; Ecology.
1948. *Hypogastrura armata* Gisin (867) p. 80; Switzerland.
1948. *Hypogastrura armata* Palmen (1546) p. 175; Ecology.
1948. *Podurhippus armatus* Salmon (1687) p. 291; Three Kings Is., N.Z.
1948. *Achorutes armatus* Salt etc. (1724) p. 145; Ecology.
1948. *Achorutes armatus* Spencer (1851) p. 22; Canada.
1948. *Hypogastrura armata* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Hypogastrura armata* Gisin (872) p. 390; France.
1949. *Hypogastrura armata* Janetschek (1127) pp. 41, 135–143; Ecology.
1949. *Achorutes armatus* Palmer (1548) p. 382; America.
1949. *Podurhippus armatus* Salmon (1689) p. 10; Campbell I.
1949. *Ceratophysella armata* Stach (1887) p. 126, Pl. XII; Poland; Revised descr.; Synonymy.
1949. *Hypogastrura armata* Strenzke (1922) p. 205; Germany; Ecology.
1950. *Hypogastrura armata* Del. Deb. (570) pp. 44, 270; France.
1950. *Achorutes armatus* Knowlton (1185) p. 96; Utah; Agric. pest.
1950. *Hypogastrura armata* Wray (2216) p. 60; Utah.
1951. *Achorutes armatus* Britt (284) p. 119; Life history.
1951. *Hypogastrura armata* Del. Deb. and Cassagnau (593) p. 1; France.
1951. *Hypogastrura (Ceratophysella) armata* Maynard (1393) p. 45, Pl. V, figs. 82–86; New York.
1951. *Hypogastrura armata* Praport (1610) p. 139; Poland.
1951. *Hypogastrura armata* Roonwal etc. (1665) p. 6 (p. 503); India.
1951. *Hypogastrura armata* Schaller (1746) p. 463; Germany; Ecology.
1951. *Ceratophysella armata* Stach (1889) p. 67, figs. 1–A, 10, 14; Cosmopolitan.

1951. *Hypogastrura armata* Van Der Drift (2055) p. 91; Ecology.
1951. *Achorutes armatus* Wilkey (2120) p. 79; Colorado.
1952. *Hypogastrura armata* Baudissin (152) p. 54; Ecology.
1952. *Ceratophysella armata* Hammer (971) p. 412; West Greenland.
1952. *Hypogastrura armata* Mihelcic (1406) p. 96; Ecology.
1953. *Hypogastrura armata* Cassagnau (415) p. 67; France.
1953. *Hypogastrura armata* Del. Deb. (584) p. 295; Tunisia.
1953. *Ceratophysella armata* Hammer (972) p. 17; Alaska; North Canada.
1953. *Ceratophysella armata* Hammer (973) p. 4; Ellesmore I., Canada.
1953. *Achorutes armatus* Mills and Richards (1430) p. 53; North Canada.
1954. *Ceratophysella armata* Bellinger (174) p. 18; Connecticut.
1954. *Hypogastrura armata* Del. Deb. (589) p. 434; France.
1954. *Ceratophysella armata* Hammer (974) p. 9; Nth. Greenland.
1954. *Hypogastrura (Ceratophysella) armata* Strenzke (1925) p. 49; Germany.
1954. *Ceratophysella armata* Yosii (2231) p. 781; Japan.
1955. *Hypogastrura armata* Chopard (434) p. 17; France.
1955. *Hypogastrura armata* Kuhnelt (1223) p. 14, fig. 2(p.); Ecology.
1955. *Hypogastrura armata* Mani, Singh, Gupta and Baijal (1369) p. 510; N.W. Himalayas.
1955. *Ceratophysella armata* Stach (1893) p. 100; Cosmopolitan.
1955. *Hypogastrura (C.) armata* Strenzke (1926) p. 19; Europe.
1955. *Hypogastrura armata* Uchida (2034) p. 200; Japan.
1956. *Hypogastrura armata* Bockemuhl (193) p. 129; Spitzbergen.
1956. *H. (Ceratophysella) armata* sp. Brinck etc. (277) p. 124; Sweden.
1956. *Hypogastrura armata* Grindbergs (2274) p. 134; Latvia.
1956. *Hypogastrura armata* Loksa (1310) p. 380; Ecology.
1956. *Ceratophysella armata* Paviour-Smith (1570) p. 552; New Zealand.
1956. *Hypogastrura armata* Uchida (2036) p. 27; Japan.
1956. *Achorutes armatus* Wray & Knowlton (2214) p. 1; Idaho.
1957. *Ceratophysella armata* Bödvarsson (2252) p. 9; Iceland.
1957. *Hypogastrura armata* Gisin (898), p. 110; Switzerland.
1957. *Hypogastrura armata* Gunhold (2280) p. 467; Ecology.
1957. *Ceratophysella armata* Haarlon (2281) p. 10; Denmark; habitats.
1957. *Ceratophysella armata* Strebel (1920) p. 470.
1958. *Ceratophysella armata* Grindbergs (2275) p. 11; Latvia.
1958. *H. (Ceratophysella) armata* Grindbergs (2277) p. 190; Latvia.
1958. *Ceratophysella armata* Kholova (1169) p. 234; Bohemia.
1958. *Achorutes armatus* Miles (1412) p. 638; Wales.
1958. *Ceratophysella armata* Salmon (1718) p. 707; New Zealand.
1958. *Hypogastrura armata* von Torne (1993) p. 658; Austria.
1959. *Ceratophysella armata* Cassagnau (2261) p. 494, figs. 1 and 3; France.
1959. *Ceratophysella armata* Da Gama (2266) p. 4; Portugal.
1959. *Ceratophysella armata* Franz and Gunhold, etc. (2369) p. 50; Communities.
1959. *Hypogastrura armata* Haybach (2375), Tab. VIII; Ecology.
1959. *H. (Ceratophysella) armata* Lawrence (2294) p. 119; England.
1959. *Hypogastrura armata* Muller (2309) p. 249; Ecology.
1959. *H. (Ceratophysella) armata* Paclt (2316) p. 27; South Africa.
1959. *H. (Ceratophysella) armata* Paclt (2317) p. 337; Cosmopolitan.
1959. *H. (Ceratophysella) armata* Paclt (2390) p. 419; Egypt.
1959. *Achorutes (Hypogastrura) armata* Poole (1604) p. 72; food of Collembola.
1959. *Ceratophysella armata* Stach (1896) p. 19; Poland.
1959. *Hypogastrura armata* Wilkey (2350) p. 222; California.
1960. *Hypogastrura armata* Bödvarsson (2412), p. 174; The Faeroes.
1960. *Hypogastrura armata* Gisin (2271) p. 53, fig. 121; Europe.
1960. *H. (Ceratophysella) armata* Grindbergs (2373) p. 26; U.S.S.R.
1960. *Hypogastrura armata* Milne (2384) p. 133; Life histories.
1960. *H. (Ceratophysella) armata* Paclt (2391) p. 156; Hungary.
1960. *Ceratophysella armata* Yosii (2409) p. 280; Canada.
1960. *Hypogastrura armata* Yosii (2409) p. 258, fig. 3; Systematics.

Hypogastrura armata communis (Folsom) 1898

* PARATYPE ?: Brit. Mus. Nat. Hist., London.
1898. *Achorutes communis* Folsom (774) p. 52, figs. 1–9; Japan.
1899. *Hypogastrura communis* Folsom (775) p. 263; Japan.
1916. *Hypogastrura communis* Kinoshita (1172) p. 454; Japan.
1924. *Hypogastrura communis* Denis (616) p. 211, figs. 1–9; Japan.
1929. *Hypogastrura communis* Denis (632) p. 166; Formosa.
1929. *Hypogastrura communis* Denis (633) p. 305; China.
1932. *Hypogastrura communis* Kinoshita (1178) p. 2120; Japan.
1936. *Hypogastrura communis* Denis (661) p. 261; N. India.
1938. *Hypogastrura (Achorutes) communis* Uchida (2015) p. 6; Japan.
1948. *Hypogastrura communis* Uchida (2022) p. 2; Japan; Formosa; S. China.
1949. *Ceratophysella communis* Stach (1887) p. 122; East Asia; Japan.

* This specimen is in the Börner Collection and was probably given to Börner by Folsom as a paratype.

1950. *Hypogastrura communis* Kinoshita and Uchida (1179) p. 9 and figs; Japan.
1954. *Hypogastrura yuasai* Yosii (2230) p. 137, figs. 1–14; Japan.
1955. *Hypogastrura communis* Mani, Singh, Gupta and Baijal (1369) p. 510; N.W. Himalayas.
1955. *Hypogastrura communis* Uchida (2034) p. 201; China.
1956. *Hypogastrura communis* Paclt (1541) p. 87; Biology; Japan.
1956. *Hypogastrura communis* Uchida (2036) p. 26; Japan.
1957. *Hypogastrura communis* Nomura (1499) p. 68; Japan.
1958. *Ceratophysella armata communis* Rapoport (1618) p. 29 and 20 figs.; Bahia Blanca, Argentina.
1960. *Ceratophysella communis* Yosii (2409) p. 281; Japan.
1960. *Hypogastrura communis* Yosii (2409) p. 258, fig. 1; Japan.

Hypogastrura armata communis exilis (Yosii) 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Hypogastrura* (*Ceratophysella*) *communis exilis* Yosii (2235) p. 14, Pl. III, figs, 25–29; Japan.
1957. *Hypogastrura communis exilis* Nomura (1499) p. 69; Japan.
1960. *Hypogastrura communis exilis* Yosii (2409) p. 258; Japan.

Hypogastrura armata communis principalis (Yosii) 1960

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1960. *Hypogastrura communis principalis* Yosii (2409) p. 258; Japan; China; Kashmir.

Hypogastrura armata cuspidata (Axelson) 1905

1905. *Achorutes armatus cuspidata* Axelson (80) p. 788; Finland.
1906. *Achorutes filiformis* Wahlgren (2080) p. 242; Sweden.
1907. *Achorutes armatus cuspidata* Axelson (83) p. 127; Finland.
1907. *Achorutes filiformis* Wahlgren (2082) p. 221, fig. 1; Lapland.
1912. *Hypogastrura armata cuspidata* Axelson (1292) p. 15; Scandinavia.
1919. *Hypogastrura armata cuspidata* Wahlgren (2089) p. 744; Sweden.
1933. *Hypogastrura armata cuspidata* Schubert (1787) p. 198; Ecology.
1935. *Hypogastrura armata cuspidata* Schubert (1791) p. 114; Germany.
1936. *Hypogastrura armata cuspidata* Tarsia in Curia (1951) p. 19; Italy.
1939. *Hypogastrura armata cuspidata* Strouhal (1931) p. 262; Ecology.
1940. *Hypogastrura cuspidata* Strouhal (1932) p. 419; Ecology.
1941. *Hypogastrura armata cuspidata* Agrell (46) p. 19; Swedish Lapland.
1949. *Hypogastrura armata cuspidata* Strenzke (1922) p. 205; Germany.

Hypogastrura armata decolor Bonet, 1933

1933. *Hypogastrura armata decolor* Bonet (209) p. 127, fig. 1; Argentina.

Hypogastrura armata helvispina Latzel, 1917

1917. *Hypogastrura armata helvispina* Latzel (1249) p. 233; Austrian Alps.
1922. *Hypogastrura armata helvispina* Latzel (1250) p. 51; Austrian Alps.

Hypogastrura armata inermis (Axelson) 1905

1905. *Achorutes armatus inermis* Axelson (80) p. 788; Finland.
1907. *Achorutes armatus inermis* Axelson (83) p. 127; Finland.
1912. *Achorutes armatus inermis* Axelson (1292) p. 16; Finland.
1918. *Achorutes armatus inermis* Brown (296) p. 185; England.
1924. *Achorutes armatus inermis* Houlbert (1078) p. 74; Europe.
1930. *Achorutes armatus inermis* Womersley (2176) p. 52; Australia.
1932. *Hypogastrura armata inermis* Durkop (706) p. 234; Germany.
1934. *Hypogastrura armata inermis* Durkop (707) p. 492; Finland; Sweden; Germany.
1939. *Achorutes* (*Hypogastrura*) *armatus inermis* Thomas (1969) p. 18; Habits.
1960. *H.* (*Ceratophysella*) *armatus inermis* Selga (2333) p. 6; Taxonomy.

Hypogastrura armata lucifuga (Packard) 1889

1889. *Lipura? lucifugus* Packard (1527) p. 65, Pl. XVI, fig. 1; Indiana.
1930. *Hypogastrura (s. str.) lucifuga* Bonet (202) p. 123; Taxonomy.
1931. *Hypogastrura armata lucifuga* Bonet (205) p. 373; caves, U.S.A.
1934. *Hypogastrura armata lucifuga* Bonet (210) p. 362; U.S.A.
1960. *Hypogastrura lucifuga* Christiansen (2333) p. 43; Caves, U.S.A.

Hypogastrura armata pallens (Krausbauer) 1898

1898. *Achorutes armatus pallens* Krausbauer (1203) p. 504; Germany.
1901. *Achorutes armatus pallens* Krausbauer (1204) p. 89; Germany.
1904. *Achorutes armatus pallens* Ågren (56) p. 2; Lapland.
1959. *Ceratophysella armata pallens* Rapoport (2324) p. 85, figs. 35–40; Argentina.

Hypogastrura armata stygia (Absolon) 1901

1901. *Hypogastrura stygia* Absolon (12) p. 105, fig. 18; East Europe.
1901. *Achorutes armatus stygius* Absolon (11) p. 38; Czechoslovakia.
1931. *Hypogastrura stygia* Bonet (205) p. 374; Czechoslovakia.
1942. *Hypogastrura stygia* Marlier (1375) p. 8; Belgium.

Hypogastrura armata triaena Rapoport, 1959

1959. *Ceratophysella armata triaena* Rapoport (2324) p. 86, figs. 41 and 42; Argentina.

Hypogastrura armata trispina Womersley, 1934

1934. *Hypogastrura armata trispina* Womersley (2177) p. 445, fig. 1; South Africa.
1960. *H. (Ceratophysella) armata trispina* Selga (2333) p. 6; Taxonomy.

Hypogastrura armata unicolor Bonet, 1929

1929. *Hypogastrura armata unicolor* Bonet (200) p. 793; Spain.
1933. *Hypogastrura armata unicolor* Bonet (209) p. 127; Argentina.
1947. *Hypogastrura armata unicolor* Del. Deb. (550) p. 127; France.

1960. *H. (Ceratophysella) armata unicolor* Selga (2333) p. 7; Taxonomy.

Hypogastrura armatissima (Gisin) 1958

TYPE: Mus. Hist. Natur., Geneva.

1958. *Hypogastrura (Ceratophysella) armatissima* Gisin (902) p. 86, figs. 3–5; Italy.
1960. *Hypogastrura armatissima* Gisin (2271) p. 47, figs. 106–112; Italy.

Hypogastrura assimilis (Krausbauer) 1898

1898. *Achorutes assimilis* Krausbauer (1203) p. 503; Germany.
1900. *Achorutes manubrialis obtusa* Axelson (75) p. 1; Finland.
1901. *Achorutes assimilis* Krausbauer (1204) p. 88, figs. 83–85.
1907. *Achorutes manubrialis assimilis* Axelson (83) p. 1; Finland.
1912. *Achorutes manubrialis assimilis* Axelson (1292) p. 21; Finland.
1947. *Hypogastrura manubrialis assimilis* Gisin (865) p. 341; Switzerland.
1949. *Neogastrura assimilis* Stach (1887) pp. 24, 59, Pl. II, figs. 14–21; Europe; Poland; Austria.
1955. *Hypogastrura assimilis* Stach (1893) p. 94, figs. 241–244; Europe.
1956. *Hypogastrura assimilis* Gisin (895) p. 2; Geneva.
1957. *Hypogastrura assimilis* Bödvarsson (2252) p. 7; Iceland.
1958. *Hypogastrura assimilis* Mrohs (1463) p. 321; Ecology.
1958. *Hypogastrura assimilis* von Torne (1993) p. 658; Austria.
1959. *Hypogastrura assimilis* Stach (1896) p. 17; Poland.
1960. *Hypogastrura assimilis* Gisin (2271) p. 36, fig. 82; Europe.
1960. *H. (Hypogastrura) assimilis* Grindbergs (2373) p. 24; U.S.S.R.

Hypogastrura attenuata Cassagnau, 1959

TYPE: Author's Pers. Colln.

1959. *Ceratophysella attenuata* Cassagnau (2261) p. 496, fig. 9; France.
1960. *Hypogastrura (Ceratophysella) attenuata* Gisin (2371) p. 309, fig. 1; Redescription.

Hypogastrura azteca (Yosii) 1962

1962. *Ceratophysella azteca* Yosii (2572) p. 9, fig. 6; Mexico; California.

Hypogastrura bengtssoni (Axelson, 1900) (Ågren) 1904

COTYPES: Dept. Ent. Zool. Inst., University, Lund, Sweden.

1900. *Achorutes sigillatus* Axelson (75) p. 109; Finland.
1904. *Achorutes Bengtssoni* Ågren (56) p. 2, figs. 1–4; Sweden.
1906. *Achorutes sigillatus* Axelson (82) p. 5; Synonymy.
1906. *Achorutes bengtssoni* Wahlgren (2080) p. 243, fig. 10; Sweden.
1907. *Achorutes sigillatus* Axelson (83) pp. 1–134; Finland.
1912. *Achorutes bengtssoni* Axelson (1292) p. 17, Pl. II, fig. 7–12.
1919. *Hypogastrura bengtssoni* Handschin (977) p. 68; Switzerland; Scandinavia; Russia.
1919. *Hypogastrura bengtssoni* Wahlgren (2089) p. 750; Sweden.
1924. *Achorutes bengtssoni* Denis (614) p. 254; France.
1924. *Hypogastrura bengtssoni* Handschin (981) p. 90; Switzerland.
1928. *Hypogastrura bengtssoni* Jackson (1121) p. 301; England.
1929. *Hypogastrura bengtssoni* Handschin (1008) p. 24; Germany; North Europe.
1929. *Hypogastrura bengtssoni* Hnatewytsch (1066) p. 225; Syn. A. sigillatus.
1931. *Hypogastrura bengtssoni* Lindroth (1286) p. 126; Iceland.
1932. *Hypogastrura bengtssoni* Agrell (36) p. 127; Scandinavia.
1932. *Hypogastrura bengtssoni* Durkop (706) p. 234; Germany.
1934. *Hypogastrura bengtssoni* Durkop (707) p. 492; Germany.
1935. *Hypogastrura bengtssoni* Schubert (1791) pp. 106, 371; Germany.
1940. *Achorutes bengtssoni* Bagnall (122) p. 165; Britain.
1942. *Hypogastrura bengtssoni* Muhlmann (1467) p. 201; Europe.
1943. *Hypogastrura bengtssoni* Agrell (47) p. 124; Sweden.
1943. *Hypogastrura bengtssoni* Gisin (853) p. 141; Switzerland.
1944. *Hypogastrura bengtssoni* Gisin (855) p. 5; Synonymy.
1945. *Hypogastrura bengtssoni* Agrell (50) p. 10; Sweden.
1948. *Hypogastrura bengtssoni* Gisin (867) p. 83; Switzerland.
1949. *Agreniella collingei* Bagnall (130) p. 53; Britain.

PARATYPE: Brit. Mus. Nat. Hist., London.

1949. *Achorutes bengtssoni* Park (1552) pp. 7–9, fig. 2; North America; Swarming.
1949. *Hypogastrura bengtssoni* Schaller (1744) p. 164; Morphology.
1949. *Hypogastrura bengtssoni* Schaller (1745) p. 294; Collembola as food.
1949. *Ceratophysella bengtssoni* Stach (1887) p. 142, Pl. XV; Revised descr.; Poland; Hungary; Salzburg; Slowakia; Styria.
1950. *Hypogastrura (Ceratophysella) bengtssoni* Gisin (876) p. 93; Italy.
1951. *Hypogastrura bengtssoni* Engelhardt (729) p. 86; Ecology.
1955. *Ceratophysella bengtssoni* Stach (1893) p. 99, figs. 267 and 268; Poland; Carpathians.
1956. *Hypogastrura bengtssoni* Bockemuhl (193) p. 129; Spitzbergen.
1956. *Hypogastrura bengtssoni* Gisin (895) p. 12; Geneva.
1957. *Ceratophysella bengtssoni* Bodvarsson (2252) p. 9; Iceland.
1957. *Hypogastrura bengtssoni* Sachsse (2327) p. 54; Habits.
1959. *Ceratophysella bengtssoni* Jeannenot (2287) p. 17; Systematics.
1959. *H. (Ceratophysella) bengtssoni* Lawrence (2294) p. 117, England.
1959. *Ceratophysella bengtssoni* Stach (1896) p. 61; Poland; Carpathians.
1960. *Hypogastrura bengtssoni* Bellinger (2411) p. 254; Collembola as food.
1960. *Hypogastrura bengtssoni* Gisin (2271) p. 43, fig. 96; Lapland; France; Austria.
1960. *H. (Ceratophysella) bengtssoni* Grindbergs (2373) p. 25; U.S.S.R.
1962. *Hypogastrura collingei* Lawrence (2482) p. 142; Synonymy.

Hypogastrura bidentata (Cassagnau) 1953

TYPE: Author's Pers. Colln., Lab. Zoo. Fac. Sci., Toulouse, France.

1953. *Denigastrura bidentata* Cassagnau (415) p. 68, fig. 2; France.
1959. *Ceratophysella bidentata* Cassagnau (2261) p. 490, fig. 7; France.
1960. *Schafferia bidentata* Gisin (2271) p. 55; Pyrénées.

Hypogastrura bilineata (Koch) 1840

1840. *Achoreutes bilineatus* Koch (1187) p. 358; Europe.

Hypogastrura bokusi Yosii, 1961

1961. *Hypogastrura bokusi* Yosii (2571) p. 14, fig. 1; Japan.

Hypogastrura boldorii Denis, 1931

1931. *Hypogastrura boldorii* Denis (637) p. 6, figs. 1–4; Italy.
1931. *Hypogastrura boldorii* Denis (640) p. 80; Systematics.
1949. *Neogastrura boldorii* Stach (1887) p. 38; Italy.
1954. *Hypogastrura boldorii* Travé (2000) p. 207, fig. 2; France.
1956. *Hypogastrura Boldorii* Cassagnau (423) p. 1, figs. A–J.
1956. *Hypogastrura boldorii* Cassagnau (2256) p. 1361, figs. A–D.
1957. *Hypogastrura boldorii* Kuhnelt (1224) p. 92; Ecology.
1959. *Hypogastrura boldorii* Cassagnau (2261) p. 478; *et. seqq.*

Hypogastrura boletivora (Packard) 1873

1873. *Achorutes boletivorus* Packard (1521) p. 30; Maine.
1891. *Achorutes boletivorus* MacGillivray (1341) p. 274; Maine; Massachusetts; New York.
1903. *Achorutes boletivorus* Guthrie (951) p. 89, Pl. X, figs. 13 and 14; Minnesota.
1909. *Achorutes boletivorus* Dow and Smith (692) p. 35; New Jersey.

Hypogastrura breviempodialis (Stach) 1949

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1949. *Neogastrura breviempodialis* Stach (1887) p. 63, Pl. II, figs. 1–13; Poland.
1955. *Hypogastrura breviempodialis* Stach (1893) p. 94, figs. 245–248; Ad. description.
1959. *Hypogastrura breviempodialis* Stach (1896) p. 17; Poland.
1960. *Hypogastrura breviempodialis* Gisin (2271) p. 37, fig. 84; Poland.

Hypogastrura brevispina (Harvey) 1893

1893. *Achorutes brevispinus* Harvey (1028) p. 182, figs. 1 and 2; North America.
1916. *Achorutes brevispinus* Folsom (787) p. 482, Pl. 9, figs. 22–28; North America.
1942. *Achorutes brevispinus* Scott (1796) p. 177; West U.S.A.
1944. *Achorutes brevispinus* Gisin (854) p. 9; Systematics.
1949. *Achorutes brevispinus* Stach (1887) p. 24; U.S.A., Maine.
1950. *Achorutes brevispinus* Wray (2202) p. 6; North Carolina.
1951. *Hypogastrura brevispina* Maynard (1393) p. 39, Pl. IV, figs. 70 and 71; New York.

Hypogastrura browni (Womersley, 1928) (Bagnall) 1940

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1928. *Achorutes purpurascens* Womersley (2156) p. 593; *nec.* Lubb.
1930. *Hypogastrura purpurascens* Womersley (2168) p. 166; Ireland.
1940. *Achorutes browni* Bagnall (122) p. 166; Britain.
1949. *Lubbockiella browni* Bagnall (130) p. 54; Synonymy; Ireland; Scotland.
1962. *Hypogastrura browni* Lawrence (2482) p. 132; possibly *H. tullbergi.*

Hypogastrura burkilli (Bagnall) 1940

HOLOTYPE AND PARATYPES: Brit. Mus. Nat. Hist., London.
1940. *Achorutes burkilli* Bagnall (121) p. 167; Britain.
1949. *Neogastrura burkilli* Stach (1887) p. 40; England.
1953. *Hypogastrura burkilli* Weidner (2108) p. 32; Central Europe.
1960. *Hypogastrura burkilli* Gisin (2271) p. 41; England.
1962. *Hypogastrura burkilli* Lawrence (2482) p. 134; Synonymy; possibly *H. purpurescens.*

Hypogastrura buxtoni (Brown) 1926

1926. *Achorutes buxtoni* Brown (305) p. 203, figs. 7–10; Mesopotamia.

Hypogastrura caduceator (Carpenter) 1919

1919. *Achorutes caduceator* Carpenter (392) p. 543, Pl. LI, figs. 1–10; Nyasaland.
1949. *Neogastrura caduceator* Stach (1887) p. 35; Africa.

Hypogastrura calceolaris Latzel, 1917

1917. *Hypogastrura calceolaris* Latzel (1249) p. 235; Austrian Alps.
1922. *Hypogastrura calceolaris* Latzel (1250) p. 53; Tyrol.
1960. *Hypogastrura calceolaris* Gisin (2271) p. 40; Tyrol.

Hypogastrura calceolaris minor Latzel, 1917

1917. *Hypogastrura calceolaris minor* Latzel (1249) p. 235; Austria.
1922. *Hypogastrura calceolaris minor* Latzel (1250) p. 53; Austria.

Hypogastrura californica (Bacon) 1914

1914. *Achorutes californica* Bacon (94) p. 165, Pl. IV, figs. 6–11, Pl. V, fig. 1; California.
1942. *Achorutes californicus* Essig (733) p. 77, fig. 32; California.

Hypogastrura campbelli Womersley, 1930

1930. *Hypogastrura campbelli* Womersley (2163) p. 57, figs. 1–10; New Zealand.
1941. *Hypogastrura campbelli* Salmon (1676) p. 292, figs. 25–28; New Zealand.
1949. *Neogastrura campbelli* Stach (1887) p. 41; New Zealand.

Hypogastrura capitata Cassagnau and Del. Deb., 1955

TYPE: Lab. Zool. Fac. Sci., Toulouse, France.
1955. *Hypogastrura capitata* Cassagnau and Del. Deb. (428) p. 368, fig. 2; Lebanon.
1960. *Hypogastrura capitata* Gisin (2271) p. 39; Lebanon.

Hypogastrura carolinae (Schaeffer) 1900

1900. *Achorutes carolinae* Schaeffer (1739) p. 250, figs. 4–7; Germany.

***Hypogastrura cassagnaui** nom. nov.

1959. *Ceratophysella elegans* Cassagnau (2261) p. 491, fig. 7; France.

* The specific name *H. elegans* has been used by Parfitt, 1891 (1550) and this must take priority over that of Cassagnau, 1959. For Cassagnau's species *elegans* I now propose the name *cassagnaui.*

Hypogastrura cavernarum Handschin, 1929. *nom. obscurum*

1929. *Hypogastrura cavernarum* Handschin (1008) p. 26, figs. 29 and 30; North Europe.
1937. *Hypogastrura cavernarum* Schubert (1792) p. 125; Ecology; Central Europe.

Hypogastrura cavicola (Börner) 1901

1901. *Achorutes cavicolus* Börner (231) p. 339, fig. 5; Germany.
1919. *Schaefferia hystrix* Handschin (981) p. 93; Switzerland.
1923. *Hypogastrura cavicola* Ionesco (1108) p. 374, fig. 1; Carpathians.
1928. *Hypogastrura cavicola* Handschin (1004) p. 21; Bulgaria.
1929. *Hypogastrura cavicola* Handschin (1008) p. 23, figs. 24–26; Germany; Bulgaria; Switzerland.
1930. *Hypogastrura cavicola* Bonet (202) p. 124; Spain.
1931. *Hypogastrura cavicola* Bonet (205) p. 374; Germany; Bulgaria.
1933. *Hypogastrura cavicola* Denis (644) p. 211; Yugoslavia.
1934. *Hypogastrura cavicola* Griepenburg (941) p. 37; Germany.
1935. *Hypogastrura cavicola* Denis (652) p. 330; Albania; Yugoslavia.
1935. *Hypogastrura cavicola* Griepenburg (942) p. 22; Germany.
1935. *Hypogastrura cavicola* Schubert (1791) p. 211; Germany.
1937. *Hypogastrura cavicola* Frenzel (828) p. 316; Ecology.
1938. *Hypogastrura* (*Ceratophysella*) *cavicola* Kseneman (1220) p. 8; Europe.
1941. *Hypogastrura cavicola* Griepenburg (945) p. 57; Germany.
1941. *Hypogastrura cavicola* Griepenburg (946) p. 76; Germany.
1949. *Neogastrura cavicola* Stach (1887) p. 110, Pl. XII; Hungary; Austria; Germany.
1951. *Hypogastrura cavicola* Del. Deb. (576) p. 43; Italy.
1952. *Hypogastrura cavicola* Mihelcic (1406) p. 96; Ecology.
1955. *Hypogastrura* (*Ceratophysella*) *cavicola* Palissa (1545) p. 482; Ecology.
1955. *Hypogastrura cavicola* Stach (1893) p. 95; Poland.
1959. *Hypogastrura* (*Ceratophysella*) *cavicola* Strebel (2344) p. 92; Germany.
1960. *Hypogastrura cavicola* Gisin (2271) p. 50; Europe.

Hypogastrura cellaris (Nicolet) 1842

1842. *Podura cellaris* Nicolet (1493) p. 56, Pl. 5, fig. 9; Europe.
1844. *Achorutes cellaris* Gervais (841) p. 438; Switzerland.
1845. *Podura cellaris* Bourlet (266) p. 67; Europe.
1847. *Achorutes cellaris* Nicolet (1496) p. 378; Switzerland.
1888. *Achorutes cellaris* Parona (1563) p. 144; Italy.

Hypogastrura chouardi Cassagnau, 1959

TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Hypogastrura chouardi* Cassagnau (2261) p. 487, fig. 6; France.

Hypogastrura christianseni Yosii, 1960

TYPE: Yoshida Coll., Kyoto University, Japan.
1960. *Hypogastrura christianseni* Yosii (2409) p. 269, figs. 15, 54–61; U.S.A.

Hypogastrura citri Bacon, 1914

1914. *Achorutes citri* Bacon (94) p. 166, Pl. V, figs. 2–5; California.
1941. *Achorutes citri* Coleman (458) p. 3, figs. 15–16; South California.

Hypogastrura concolor (Carpenter) 1900

1900. *Achorutes dubius concolor* Carpenter (368) p. 272, fig. 1; Franz Josef Land.
1923. *Hypogastrura concolor* Schott (1776) p. 5; Novaya Zemlya.

Hypogastrura concolor setosa Schott, 1923

1923. *Hypogastrura concolor setosa* Schott (1776) p. 7; Novaya Zemlya.
1960. *Hypogastrura concolor setosa* Grindbergs (2373) p. 64; U.S.S.R.

Hypogastrura concolor tullbergi (Schaeffer) 1900

1900. *Hypogastrura tullbergi concolor* Schaeffer (1738) p. 244; Franz Josef Land.
1923. *Hypogastrura concolor tullbergi* Schott (1776) p. 5; Novaya Zemlya.
1928. *Hypogastrura tullbergi* Remy (1624) p. 51; Greenland.
1960. *Hypogastrura concolor tullbergi* Grindbergs (2373) p. 64; U.S.S.R.

Hypogastrura consanguinea (Folsom) 1924

SYNTYPE: Mus. Comp. Zool., Harvard, U.S.A.
1924. *Achorutes consanguineus* Folsom (796) p. 506, Pl. 1, figs. 2–11; East Indies.
1928. *Hypogastrura consanguinea* Handschin (1001) p. 265; Java.
1929. *Hypogastrura consanguinea* Handschin (1006) p. 231; South India.
1932. *Hypogastrura consanguinea* Handschin (1010) p. 475; Java.

Hypogastrura copiosa (Guthrie, 1903) (Folsom) 1916

1903. *Achorutes schneideri* Guthrie (951) p. 11; Minnesota.
1916. *Achorutes copiosus* Folsom (787) p. 480, Pl. 8, figs. 10-14; Minnesota.
1928. *Hypogastrura copiosa* Handschin (1002) p. 536; Mexico.
1934. *Achorutes copiosus* Mills (1417) p. 11; Iowa.
1949. *Neogastrura copiosa* Stach (1887) p. 33; U.S.A., Minnesota.
1960. *Hypogastrura copiosa* Yosii (2409) p. 268, figs. 14, 48–53; Colorado.

†**Hypogastrura coprophila** Stach, 1960

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1959. *Hypogastrura coprophila* Stach (2340) p. 433; Afghanistan.
1960. *Hypogastrura coprophila* Stach (2586) p. 516, Pl. LXVI, figs. 4–6; Afghanistan.

Hypogastrura crassa (Oudemans) 1890

1890. *Achorutes crassus* Oudemans (1512) p. 90; Indian Archipelagos.
1925. *Hypogastrura crassa* Handschin (985) p. 267; Sumatra.

† Although this species was mentioned by name in Stach's 1959 paper the description did not appear until his 1960 paper (2585) was issued.

Hypogastrura crassaegranulata (Stach) 1949
TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1949. *Neogastrura crassaegranulata* Stach (1887) p. 84, Pls. VII and VIII; Czechoslovakia; Bavaria; Poland.
1955. *Hypogastrura crassaegranulata* Stach (1893) p. 96, figs. 252–254; Ad. description.
1957. *Hypogastrura crassaegranulata* Paclt (1543) p. 5; Europe.
1957. *Hypogastrura crassaegranulata* Paclt (1544) p. 270; Czechoslovakia.
1958. *Hypogastrura* (*granulata* ?) Miles (1412) p. 638, fig. 1; Wales.
1958. *Hypogastrura granulata* von Torne (1993) p. 659; Austria.
1959. *Hypogastrura crassaegranulata* Stach (1896) p. 17; Poland.
1960. *Hypogastrura crassaegranulata* Gisin (2271) p. 38, fig. 86; Poland; Austria; Italy; Caucasus.
1960. *H.* (*Hypogastrura*) *crassaegranulata* Grindbergs (2373) p. 24; U.S.S.R.

Hypogastrura crassaegranulata burgundiana Gisin, 1960
TYPE: Mus. Hist. Natur., Geneva.
1960. *Hypogastrura crassaegranulata burgundiana* Gisin (2270) p. 86; France.

Hypogastrura crassaegranulata dobsinensis (Stach) 1949
TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1949. *Neogastrura crassaegranulata dobsinensis* (Stach) p. 88; Poland.
1960. *Hypogastrura crassaegranulata dobsinensis* Gisin (2271) p. 38; Poland.

Hypogastrura crassaegranulata estaranhensis Cassagnau, 1959
TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Hypogastrura crassaegranulata estaranhensis* Cassagnau (2261) p. 485, fig. 5; France.

Hypogastrura crassaegranulata franconiana (Stach) 1949
TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1949. *Neogastrura crassaegranulata franconiana* Stach (1887) p. 88; Poland.
1960. *Hypogastrura crassaegranulata franconiana* Gisin (2271) p. 38; France; Germany.

Hypogastrura crassispina Cassagnau, 1952
TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1952. *Hypogastrura crassispina* Cassagnau (411) p. 307, figs. 3–4; France.
1960. *Hypogastrura crassispina* Gisin (2271) p. 50; Europe.

Hypogastrura cyanocephala (Nicolet) 1842
1842. *Podura cyanocephala* Nicolet (1493) p. 56, Pl. 5, fig. 8; Europe.
1844. *Achorutes cyanocephalus* Gervais (841) p. 438; Switzerland.
1847. *Achorutes cyanocephalus* Nicolet (1496) p. 378; Switzerland.
1878. *Achorutes cyanocephalus* Parona (1557) p. 605; Italy.
1883. *Achorutes cyanocephalus* Parona (1558) p. 463; Italy.
1925. *Hypogastrura cyanocephala* Denis (617) p. 210; Italy.
1939. *Achorutes cyanocephalus* Thomas (1969) p. 19; Habits.
1960. *Achorutes cyonocephalus* Grindbergs (2373) p. 64; U.S.S.R.

Hypogastrura cylindrica (Cassagnau) 1959
TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Ceratophysella cylindrica* Cassagnau (2261) p. 499, figs. 4, 11; France.
1960. *Ceratophysella cylindrica* Gisin (2371) p. 311; Taxonomy.

Hypogastrura denisana (Yosii) 1954
TYPE: Author's Colln., Yoshida College, Kyoto University, Japan.
1954. *Ceratophysella denisi* Yosii (2231) p. 780, fig. 2; Japan.
1956. *Hypogastrura (Ceratophysella) denisana* Yosii (2235) p. 16, Pl. IV, figs. 37 and 38; Japan.
1960. *Hypogastrura denisana* Yosii (2409) p. 262, fig. 5; Japan.

Hypogastrura densornata Maynard, 1951
TYPE: Author's Colln., Univ. of Rochester, U.S.A.
1951. *Hypogastrura densornata* Maynard (1393) p. 31, Pl. II, figs. 34–37; New York.

Hypogastrura denticulata (Bagnall) 1941
HOLOTYPE: Brit. Mus. Nat. Hist., London. COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1941. *Achorutes denticulatus* Bagnall (123) p. 218; Britain.
1941. *Achorutes distinguendus* Bagnall (123) p. 217; Britain.
HOLOTYPE: Brit. Mus. Nat. Hist., London.
1949. *Hypogastrura denticulata* Gisin (872) p. 390; Switzerland.
1949. *Ceratophysella denticulata* Stach (1887) p. 120; England; Ireland.
1949. *Ceratophysella distinguenda* Stach (1887) p. 119; Synonymy.
1951. *Hypogastrura denticulata* Del. Deb. and Gisin (598) p. 1; Italy.
1955. *Hypogastrura (Ceratophysella) denticulata* Goto (918), p. 30; British Isles.
1956. *Hypogastrura denticulata* Gisin (895) p. 12; Geneva.
1956. *Hypogastrura denticulata* Gisin (896) p. 8; Geneva.
1957. *Hypogastrura* cf. *denticulata* Gisin (898) p. 110; Switzerland.
1958. *Hypogastrura denticulata* Holler-Land (2283) p. 110; Ecology.
1958. *Hypogastrura denticulata* Mrohs (1463) p. 324; Ecology.
1958. *Hypogastrura denticulata* von Torne (1993) p. 658; Austria.
1959. *Hypogastrura denticulata* Cassagnau (2261) p. 489, fig. 1; France.
1959. *Hypogastrura denticulata* Haybach (2375) Tab. VIII; Ecology.
1959. *Hypogastrura denticulata* Holler-Land (2284) p. 426; Ecology; Germany.
1960. *Hypogastrura denticulata* Gisin (2271) p. 51, figs. 116–117; Europe.
1960. *Ceratophysella denticulata* Selga (2333) p. 5, fig. 3; Spain.
1960. *Hypogastrura* cf. *denticulata* Selga (2333) p. 6; Taxonomy.
1962. *Hypogastrura denticulata* Lawrence (2482) p. 138; possibly *H. gibbosa.*
1962. *Hypogastrura distinguenda* Lawrence (2482) p. 137; Synonymy.

Hypogastrura distincta (Axelson) 1902
1902. *Achorutes distinctus* Axelson (76) p. 104; Karelia, N.W. Russia.

1907. *Achorutes distinctus* Axelson (83) p. 128; Finland.
1912. *Hypogastrura distincta* Axelson (1292) p. 30; Finland.
1949. *Neogastrura distincta* Stach (1887) p. 36; Finland.
1959. *Hypogastrura (s. str.) distincta* Palissa (2321) p. 76; Habits.
1960. *Hypogastrura distincta* Gisin (2271) p. 42, fig. 92; Finland.
1960. *Hypogastrura (s. str.) distincta* Tannert (2345) p. 91; Economics.

Hypogastrura dubia (Templeton) 1835

1835. *Achorutes dubius* Templeton (1957) p. 96, Pl. XII, fig. 5; Ireland; Nomenclature.
1840. *Achorutes dubius* Lucas (1326) p. 567; possibly young *P. aquatica.*
1844. *Achorutes dubius* Lucas (1327) p. 294; references.
1847. *Achorutes dubius* Nicolet (1496) p. 378; Ireland; possibly *A. murorum.*
1865. *Podura nicoleti* Hermann (1047) p. 26; on snow, Europe.
1893. *Achorutes dubius* Schött (1765) p. 85; Siberia.

Hypogastrura duodecimoculata Steiner, 1955

1955. *Hypogastrura (Ceratophysella) duodecimoculata* Steiner (1906) p. 327, fig. 3; Spain.
1959. *Ceratophysella duodecimoculata* Cassagnau (2261) p. 489; France.
1960. *Hypogastrura duodecimoculata* Gisin (2271) p. 45; Spain.

Hypogastrura duodecimoculata sedecimocellata (Yosii) 1962

1962. *Ceratophysella duodecimocellata 16-ocellata* Yosii (2572) p. 13, fig. 10; Mexico.

Hypogastrura duplicispinosa Yosii, 1954

TYPE: Author's Colln., Yoshida Coll., Kyoto University, Japan.
1954. *Hypogastrura duplicispinosa* Yosii (2231) p. 781, fig. 3; Japan.
1956. *Hypogastrura (Ceratophysella) duplicispinosa* Yosii (2235) p. 17, Pl. IV, figs. 39 and 40; Japan.

Hypogastrura elegans (Parfitt) 1891

1891. *Achorutes elegans* Parfitt (1550) p. 346; Devon.

Hypogastrura elegantula Butschek, 1948

1948. *Hypogastrura elegantula* Butschek (341) p. 26, figs. 2 a-e; N.E. Alps.
1958. *Hypogastrura elegantula* von Torne (1993) p. 659; Austria.

Hypogastrura elevata Cassagnau, 1959

TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Hypogastrura elevata* Cassagnau (2261) p. 484, fig. 5; France.

Hypogastrura engadinensis Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Hypogastrura engadinensis* Gisin (872) p. 393; Switzerland.
1958. *Hypogastrura engadinensis* von Torne (1993) p. 659; Austria.
1960. *Hypogastrura engadinensis* Gisin (2271) p. 51, fig. 118; Europe.

Hypogastrura exigua Gisin, 1958

TYPE: Mus. Hist. Natur., Geneva.
1958. *Hypogastrura exigua* Gisin (902) p. 85, figs. 1 and 2; Italy.
1960. *Hypogastrura exigua* Gisin (2271) p. 33, figs. 71–72; Italy.

Hypogastrura exilis Yosii, 1959

TYPE: Yoshida Coll., Kyoto University, Japan.
1959. *Ceratophysella exilis* Yosii (2355) p. 2; Malaya.

Hypogastrura falcifer Cassagnau, 1959

TYPE: Author. Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Ceratophysella falcifer* Cassagnau (2261) p. 497, fig. 10; France.

Hypogastrura filiformis Wahlgren, 1907

1907. *Achorutes filiformis* Wahlgren (2082) p. 228, fig. 1; Sweden.
1906. *Achorutes filiformis* Wahlgren (2080) p. 242; Sweden.

Hypogastrura franzi Butschek and Gisin, 1949

1949. *Hypogastrura franzi* Butschek and Gisin (872) p. 391, fig. 2; Switzerland.
1960. *Hypogastrura franzi* Gisin (2271) p. 49, fig. 114; Austrian Alps.

Hypogastrura frigida (Axelson) 1905

1905. *Achorutes frigidus* Axelson (80) p. 788; Finland.
1907. *Achorutes frigidus* Axelson (83) p. 128; Finland.
1907. *Achorutes frigidus* Latzel (1247) p. 67; Austria.
1912. *Hypogastrura frigida* Axelson (1292) p. 33, Pl. III, figs. 29 and 30, Pl. IV, figs. 1–5; Finland.
1919. *Hypogastrura frigida* Handschin (977) p. 70; Switzerland.
1929. *Hypogastrura frigida* Handschin (1008) p. 21; Germany; Finland.
1935. *Hypogastrura frigida* Schubert (1791) pp. 115, 379; Germany.
1942. *Hypogastrura frigida* Tahvonen (1949) p. 208; Finland.
1949. *Neogastrura frigida* Stach (1887) p. 21; Swiss Alps; Finland; Germany.
1960. *Hypogastrura frigida* Gisin (2271) p. 40, fig. 88; Finland; Switzerland.

Hypogastrura fuentei Denis, 1930

1930. *Hypogastrura fuentei* Denis (636) p. 82, figs. 1–9; Spain.
1949. *Neogastrura fuentei* Stach (1887) p. 34; Spain.

Hypogastrura fusco-viridis Bourlet, 1841

1841. *Hypogastrura fusco-viridis* Bourlet (261) p. 125; Europe.
1842. *Hypogastrura fusco-viridis* Bourlet (265) p. 125; Europe.

Hypogastrura gami (Wray) 1952

TYPE: Ent. Surv. Mus., Nth. Carolina Dept. Agric., N.C., U.S.A.
1952. *Achorutes gami* Wray (2204) p. 98, figs. 17–19.

Hypogastrura gibbomucronata (Hammer), 1953

TYPE: Author's Pers. Colln., Roland, Fredensborg, Denmark.
1953. *Ceratophysella gibbomucronata* Hammer (972) p. 17; fig. 4; North Canada.
1960. *Hypogastrura (Cyclograna) gibbomucronata* Yosii (2409) p. 266, fig. 11; Arctic Canada.

Hypogastrura gibbosa (Bagnall) 1940

HOLOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1940. *Achorutes gibbosus* Bagnall (122) p. 165; Britain.
1941. *Achorutes gibbosus* Bagnall (123) p. 217; Britain.
1949. *Hypogastrura gibbosa* Gisin (872) p. 391; Switzerland.

1949. *Neogastrura gibbosa* Stach (1887) p. 30; England; Ireland.
1957. *Hypogastrura* (*Ceratophysella*) *occidentalis* Gisin (901) p. 474, fig. 1; Madeira.
1957. *Hypogastrura* cf. *gibbosa* Gisin (898) p. 110; Switzerland.
1958. *Hypogastrura gibbosa* von Torne (1993) p. 659; Austria.
1959. *Hypogastrura* (*Ceratophysella*) *occidentalis* Da Gama (494) p. 6, fig. 1; Madeira.
1960. *Hypogastrura gibbosa* Gisin (2271) p. 49, fig. 113; Britain, Swiss and Austrian Alps.
1960. *Hypogastrura occidentalis* Gisin (2271) p. 52, fig. 119; Madeira.
1962. *Hypogastrura gibbosa* Lawrence (2482) p. 141, = *H. occidentalis*.

Hypogastrura gigas Maynard, 1951

TYPE: Author's Colln., University of Rochester, U.S.A.
1951. *Hypogastrura gigas* Maynard (1393) p. 35, Pl. IV, figs. 58–62; New York.

Hypogastrura gisini Strenzke, 1954

1954. *Hypogastrura* (*H.*) *gisini* Strenzke (1925) p. 47, figs. 1–7; Germany.
1955. *Hypogastrura* (*H.*) *gisini* Strenzke (1926) p. 19, fig. 3; Germany.
1960. *Hypogastrura gisini* Gisin (2271) p. 37, fig. 85; Germany.

Hypogastrura glancei Hammer, 1953

TYPE: Author's Colln., Roland, Fredensborg, Denmark.
1953. *Ceratophysella glancei* Hammer (972) p. 18, fig. 5; North Canada.
1960. *Hypogastrura glancei* Yosii (2409) p. 263, fig. 7; North Canada.

Hypogastrura gotoi (Goto) 1956

TYPE: Brit. Mus. Nat. Hist., London.
1956. *Hypogastrura* (*Ceratophysella*) *scotica* Goto (926) p. 2, figs. 1–10; Outer Hebrides.
1960. *Hypogastrura* (*Ceratophysella*) *gotoi* Murphy (2386) p. 46; *nom. nov.*

Hypogastrura gracilis (Folsom) 1899

1899. *Achorutes gracilis* Folsom (775) p. 263, Pl. 1, figs. 6–13; Japan.
1931. *Hypogastrura* (*Achorutes*) *gracilis* Matsumura and Uchida (1386) p. 2 and figs; Japan.
1938. *Hypogastrura* (*Achorutes*) *gracilis* Uchida (2015) p. 6; Japan.
1949. *Neogastrura gracilis* Stach (1887) p. 37; Japan.
1956. *Hypogastrura gracilis* Uchida (2036) p. 26; Japan.
1960. *Hypogastrura gracilis* Yosii (2409) p. 279, figs. 23, 97–103; Japan.

Hypogastrura granulata (Stach) 1949

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1949. *Ceratophysella granulata* Stach (1887) p. 133, Pl. XIII; France; East Europe.
1949. *Hypogastrura granulata* Gisin (872) p. 391; Morphology; Switzerland.
1955. *Hypogastrura armata* (Nic.) *granulata* Cassagnau and Del. Deb. (428) p. 370; Taxonomy; Lebanon.
1955. *Hypogastrura* (*Ceratophysella*) *granulata* Goto (918) p. 30; British Isles.
1955. *Hypogastrura granulata* Goto (921) p. 267; Britain.
1955. *Ceratophysella granulata* Stach (1893) p. 101, figs. 272 and 273.
1957. *Hypogastrura* (*Ceratophysella*) *cavicola granulata* Paclt (1543) p. 2; Europe.
1958. *Ceratophysella granulata* Nosek (1503) p. 357; Czechoslovakia.
1959. *Ceratophysella granulata* Stach (1896) p. 20; Poland.
1960. *Hypogastrura granulata* Gisin (2271) p. 52, fig. 120; France; Ukraine; England.
1960. *H.* (*Ceratophysella*) *granulata* Grindbergs (2373) p. 26; U.S.S.R.

Hypogastrura granulifera (Yosii) 1962

1962. *Ceratophysella granulifera* Yosii (2572) p. 11, fig. 8; U.S.A., Maryland, Illinois, Virginia, Washington D.C.

Hypogastrura guthriei (Folsom) 1916

COTYPES: U.S. Nat. Mus., Washingtno D.C.; Mus. Comp. Zool., Harvard, U.S.A.
1916. *Achorutes guthriei* Folsom (787) p. 489, Pl. 14, figs. 89–94; Minnesota.
1933. *Achorutes guthriei* James (1124) p. 90; Canada.
1949. *Neogastrura guthriei* Stach (1887) p. 29; U.S.A., Minnesota.
1950. *Achorutes guthriei* Wray (2216) p. 61; Utah.

Hypogastrura harveyi (Folsom) 1902

COTYPES: Mus. Comp. Zool. Harvard, U.S.A.
1902. *Achorutes harveyi* Folsom (782) p. 320, figs. 25–34; U.S.A.
1905. *Achorutes frigidus* Axelson (80) p. 788; Finland.
1907. *Achorutes frigidus* Axelson (83) p. 92, Finland.
1907. *Achorutes harveyi* Latzel (1247) p. 67; Austria.
1907. *Achorutes harveyi* Latzel (1248) p. 172; Austria.
1912. *Hypogastrura frigida* Axelson (1292) p. 33; Finland.
1916. *Achorutes harveyi* Folsom (787) p. 486, Pl. II, figs. 51–58; North America.
1934. *Achorutes harveyi* Mills (1417) p. 11; Iowa, U.S.A.; Canada.
1949. *Neogastrura harveyi* Stach (1887) p. 22; U.S.A.—Maine, New York, Massachusetts, Maryland.
1951. *Hypogastrura harveyi* Maynard (1393) p. 30, Pl. II, fig. 33; New York; Canada.

Hypogastrura hiawatha (Yosii) 1962

1962. *Cyclograna hiawatha* Yosii (2572) p. 17, fig. 13; America.

Hypogastrura hispanica Steiner, 1955

1955. *Hypogastrura (Ceratophysella) hispanica* Steiner (1906) p. 325, fig. 2; Spain.
1960. *Hypogastrura hispanica* Gisin (2271) p. 43; Spain.

Hypogastrura horrida (Yosii) 1960

TYPE: Yoshida Coll., Kyoto University, Japan.
1960. *Hypogastrura (Cyclograna) horrida* Yosii (2409) p. 266, figs. 10, 41–45; Oregon, U.S.A.

Hypogastrura humi (Folsom) 1916

COTYPES: U.S. Nat. Mus., Washington, D.C.; Mus. Comp. Zool., Harvard, U.S.A.
1916. *Achorutes humi* Folsom (787) p. 487, figs. 12, 59–66; Illinois.
1932. *Achorutes humi* Maynard (1391) p. 217; New York.
1933. *Achorutes humi* Folsom (802) p. 936; U.S.A.
1933. *Achorutes humi* James (1124) p. 88; Canada.
1949. *Neogastrura humi* Stach (1887) p. 40; U.S.A.
1951. *Hypogastrura humi* Maynard (1393) p. 44, Pl. V, figs. 87 and 88; New York; Illinois; Canada.
1953. *Neogastrura humi* Hammer (972) p. 16; North Canada.
1954. *Hypogastrura humi* Bellinger (174) p. 18; Connecticut.

1959. *Hypogastrura humi* Wilkey (2350) p. 222; California.

Hypogastrura hyperborea (Boheman) 1866

1866. *Podura hyperborea* Boheman (195) p. 577; Spitzbergen.
1873. *Achorutes hyperborea* Lubbock (1318) p. 180; Spitzbergen.
1883. *Achorutes hyperborea* Parona (1558) p. 463; Italy.
1900. *Achorutes hyperboreus* Schaeffer (1738) p. 244; Spitzbergen.
1900. *Achorutes hyperborea* Skorikow (1833) p. 195; Spitzbergen.
1900. *Achorutes hyperboreus* Wahlgren (2077) p. 375; Spitzbergen.
1902. *Achorutes hyperboreus* Skorikow (1835) p. 90; Spitzbergen.
1909. *Podura hyperborea* Nielsen (1498) p. 378; Greenland.
1922. *Achorutes hyperboreus* Carpenter and Phillips (404) p. 18; Spitzbergen.
1924. *Hypogastrura hyperborea* Denis (617) p. 210; Italy.

Hypogastrura hypnorum (Fabricius) 1783

1783. *Podura hypnorum* Fabricius (752) p. 299; Norway.
1873. *Achorutes hypnorum* Lubbock (1318) p. 184; Norway.

Hypogastrura hypostoma (Denis) 1929

1929. *Achorutes hypostoma* Denis (633) p. 305, fig. 1; China.

Hypogastrura hystrix Handschin, 1924

1924. *Hypogastrura (Schäfferia) hystrix* Handschin (981) p. 93, figs. 3, 24–28; Switzerland.
1926. *Schaefferia hystrix* Handschin (988) p. 28, fig. 20; Biology.
1949. *Hypogastrura hystrix* Gisin (872) p. 392; Switzerland.
1949. *Neogastrura hystrix* Stach (1887) p. 30; Swiss Alps.
1960. *Hypogastrura hystrix* Gisin (2271) p. 46, fig. 103; Swiss Alps.

Hypogastrura indica (Salmon) 1956

TYPE: Brit. Mus. Nat. Hist., London; PARATYPE: Auth. Pers. Colln., Victoria Univ., Wellington, New Zealand.
1956. *Ceratophysella indica* Salmon (1714) p. 172, figs. 7–17; India.

Hypogastrura inermis (Tullberg) 1871

1871. *Achorutes inermis* Tullberg (2002) p. 153; Sweden.
1872. *Achorutes inermis* Tullberg (2003) p. 52, Pl. XI, fig. 6; Sweden.
1891. *Achorutes inermis* Moniez (1447) p. 70; France.
1891. *Achorutes inermis* Uzel (2050) p. 71; Bohemia.
1893. *Achorutes inermis* Schött (1765) p. 85; Sweden.
1901. *Achorutes purpurascens inermis* Börner (234) p. 30; Germany.
1903. *Achorutes inermis* Ågren (55) p. 124; Sweden.
1905. *Achorutes (Schöttella) inermis* Axelson (81) p. 26; Tvärminne, Finland.
1906. *Achorutes inermis* Wahlgren (2080) p. 244; Sweden.
1907. *Achorutes inermis* Wahlgren (2082) p. 221; Lapland.
1911. *Hypogastrura inermis* Axelson (1291) p. 5; Norway.
1912. *Achorutes inermis* Axelson (1292) pp. 39 and 40; Finland.
1934. *Podura inermis* Ferrier (1576) p. 34 and figs.; France.
1957. *Hypogastrura inermis* Gisin (898) p. 110; Switzerland.
1958. *Hypogastrura inermis* von Torne (1993) p. 659; Austria.
1960. *Hypogastrura inermis* Gisin (2271) p. 53; Scandinavia; Italy.

Hypogastrura intermedia Handschin, 1926

1926. *Hypogastrura intermedia* Handschin (994) p. 212, fig. 2; Baltic Bernstein.

Hypogastrura ireneae (Wray) 1953

TYPE: Insect Surv. Mus. Nth. Carolina Dept. Agric., Raleigh, N.C., U.S.A.
1953. *Achorutes ireneae* Wray (2205) p. 2, figs. I, p-s; U.S.A.

Hypogastrura itaya Kinoshita, 1916

1916. *Hypogastrura itaya* Kinoshita (1172) p. 456; Japan.
1956. *Hypogastrura itaya* Uchida (2036) p. 27; Japan.
1960. *Hypogastrura itaya* Yosii (2409) p. 270, figs. 16, 62–68; Japan.

Hypogastrura iwamurae Yosii, 1960

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1960. *Hypogastrura iwamurae* Yosii (2409) p. 278, figs. 21, 90–96; Japan.

Hypogastrura janetscheki Steiner, 1959

1959. *Hypogastrura janetscheki* Steiner (2343) p. 455, fig. 1; Spain.

Hypogastrura jondaui (Wray) 1946

COTYPES: Insect Surv. Mus., Nth. Carolina Dept. Agric., Raleigh, N.C., U.S.A.
1946. *Achorutes jondaui* Wray (2198) p. 79, figs. 1–7; North Carolina.

Hypogastrura jonescoi *nom. nov.* Bonet, 1930

1923. *Hypogastrura cavicola* Ionesco (1108) p. 374; Roumania.
1930. *Hypogastrura jonescoi* Bonet (202) p. 125; Roumania.
1931. *Hypogastrura jonescoi* Bonet (205) p. 374; Bulgaria.
1949. *Neogastrura jonescoi* Stach (1887) p. 30; Roumania.

Hypogastrura lapponica (Axelson) 1902

1902. *Achorutes lapponicus* Axelson (76) p. 105; Lapland.
1902. *Achorutes packardi dentatus* Folsom (782) p. 320, figs. 19–24; Arctic.
1904. *Achorutes lapponicus* Ågren (56) p. 8; Lapland.
1906. *Achorutes lapponicus* Wahlgren (2080) p. 243; Lapland.
1907. *Achorutes lapponicus* Axelson (83) p. 128; Finland.
1907. *Achorutes lapponicus* Latzel (1247) p. 67; Austria.
1907. *Achorutes lapponicus* Wahlgren (2082) p. 221; Lapland.
1912. *Achorutes lapponicus* Axelson (1292) p. 31, Pl. III, figs. 23–28; Finland.
1919. *Hypogastrura lapponica* Axelson (1293) p. 4; Arctic Urals.
1919. *Hypogastrura lapponica* Wahlgren (2089) p. 750; Sweden.
1928. *Hypogastrura lapponica* Schött (1780) p. 69; Scandinavia.
1931. *Hypogastrura lapponica* Brown (310) p. 131; Lapland.
1941. *Hypogastrura lapponica* Agrell (46) p. 19; Swedish Lapland.
1943. *Hypogastrura lapponica* Agrell (47) p. 124; Sweden.

1949. *Neogastrura lapponica* Stach (1887) p. 35; North Finland; Swedish Lapland.
1959. *Hypogastrura lapponica* Stach (1896) p. 69; Arctic.
1960. *Hypogastrura lapponica* Gisin (2271) p. 40; Lapland; Arctic Urals.
1960. *H. (Hypogastrura) lapponica* Grindbergs (2373) p. 25; U.S.S.R.

Hypogastrura larvata (Gervais) 1844

1844. *Acrorutes larvatus* Gervais (841) p. 440; France.
1847. *Achorutes larvatus* Nicolet (1496) p. 378; Paris.

Hypogastrura latidens (von Olfers) 1907

1907. *Achorutes latidens* von Olfers (1506) p. 27, fig. 72; Germany.

Hypogastrura longispina (Tullberg) 1876

1876. *Achorutes longispinus* Tullberg (2004) p. 37, Pl. X, figs. 31–34; Novaya Zemlya.
1891. *Achorutes longispinus* Moniez (1447) p. 70; England.
1893. *Achorutes longispinus* MacGillivray (1342) p. 315; North America.
1894. *Achorutes longispina* Schäffer (1733) p. 128; Spitzbergen.
1897. *Achorutes longispina* Schäffer (1736) p. 12; Buenos Aires; South America.
1899. *Achorutes longispinus* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Achorutes longispinus* Carpenter (368) p. 273; Franz Josef Land.
1900. *Achorutes longispina* Schäffer (1738) p. 243; Novaya Zemlya; Spitzbergen; Franz Josef Land; Buenos Aires.
1900. *Achorutes longispina* Skorikow (1833) p. 202; Spitzbergen.
1900. *Achorutes longispinus* Wahlgren (2077) p. 375; Franz Josef Land and Spitzbergen.
1902. *Achorutes longispinus* Schött (1772) p. 6, Pl. I, figs. 2a and 2b.
1902. *Achorutes longispinus* Skorikow (1835) p. 96, figs. 5–7; Spitzbergen.
1903. *Achorutes longispinus* Guthrie (951) p. 90, Pl. X 15–16, XI 5; Orig. descr.; Minnesota.
1907. *Achorutes longispinus* Axelson (83) p. 127; Finland.
1907. *Achorutes longispinus* Axelson (84) p. 17; North Finland.
1907. *Achorutes longispina,* Wahlgren (2080) p. 242; Sweden.
1910. *Achorutes longispinus* Bagnall (102) p. 498; Britain.
1910. *Achorutes longispinus* Theobald (1964) p. 184; Gen. Economics.
1911. *Hypogastrura longispina* Axelson (1291) p. 5; Norway.
1912. *Hypogastrura longispina* Axelson (1292) p. 17.
1913. *Achorutes longispinus* Carpenter (388) p. 86; Clare Is.; Ireland; Scotland; England.
1916. *Achorutes longispinus* Carr (407) p. 64; England.
1918. *Achorutes longispinus* Brown (296) p. 185; England.
1919. *Hypogastrura longispina* Wahlgren (2089) p. 744; Sweden.
1922. *Achorutes longispinus* Carpenter and Phillips (404) p. 18; Spitzbergen; Antarctic; North and South America; Ireland; Great Britain; Novaya Zemlya; Finland; Franz Josef Land; North Siberia; Scandinavia.
1924. *Hypogastrura longispina* Denis (614) p. 290; France.
1924. *Hypogastrura longispina* Handschin (981) p. 90; Switzerland.
1924. *Achorutes longispinus* Houlbert (1078) p. 74; France.
1924. *Hypogastrura longispina* Schött (1776) p. 5; Novaya Zemlya.
1925. *Achorutes longispinus* Carpenter (395) p. 2; New Zealand.
1926. *Hypogastrura longispina* Handschin (988) p. 42; Biology.
1926. *Hypogastrura longispina* Stirnimann (1907) p. 251; Ecology.
1927. *Achorutes longispinus* Carpenter (396) p. 195, fig. 1; Spitzbergen.
1928. *Hypogastrura? longispina* Remy (1624) p. 52; Greenland.
1928. *Achorutes longispinus* Summerhayes and Elton (1939) p. 208; Spitzbergen.
1929. *Hypogastrura longispina* Handschin (1008) p. 24; Germany.
1930. *Achorutes longispinus* Mills (1414) p. 391; Agric. pest.
1930. *Hypogastrura longispina* Womersley (2168) p. 166; Ireland.
1933. *Achorutes longispinus* Folsom (802) p. 936; U.S.A.
1934. *Hypogastrura longispina* Durkop (707) p. 492; Scandinavia.
1934. *Podura longispina* Ferrier (1576) p. 34 and figs.; France.
1934. *Hypogastrura longaspina* Jorgensen (1145) p. 7; Greenland.
1934. *Hypogastrura longispina* Womersley (2177) pp. 445, 467; South Africa.
1935. *Hypogastrura longispina* Axelson (1295) p. 138; Spitzbergen.
1936. *Hypogastrura longispina* Madsen (1367) p. 19; Greenland.
1936. *Hypogastrura longispina* Womersley (2183) p. 317; New Zealand.
1938. *Hypogastrura longispina* Hammer (968) p. 7; East Greenland.
1938. *Hypogastrura longispina* Handschin (1011) p. 138; New Caledonia.
1942. *Octomma longispina* Muhlmann (1467) p. 223; Europe.
1943. *Hypogastrura longispina* Agrell (47) p. 124; Sweden.
1943. *Achorutes longispinus* Salmon (1680) p. 375; New Zealand.
1944. *Hypogastrura longispina* Hammer (969) p. 61; Greenland; Spitzbergen; Franz Josef Land; Lapland; Novaya Zemlya; Arctic Siberia; Finland; Switzerland; Europe.
1947. *Hypogastrura longispina* Delamare-Deboutteville (550) p. 127; France.
1949. *Podurhippus longispinus* Salmon (1689) p. 10; Enderby I.; Auckland I.
1949. *Ceratophysella longispina* Stach (1887) p. 120; North Europe; Arctic Islands.
1950. *Hypogastrura longispina* Del.-Deb. (570) p. 281; Europe.
1952. *Achorutes longispinus* Sankey (1726) p. 92; Swarming, habits.
1955. *Hypogastrura (Ceratophysella) longispina* Strenzke (1926) p. 20; Scandinavia.
1956. *Hypogastrura longispina* Paclt (1541) pp. 98, 123; Biology.
1956. *Hypogastrura longispina* Stevanovic (1903) p. 6; Yugoslavia.
1958. *Hypogastrura longispina* Kholova (1169) p. 234; Bohemia.

1958. *Ceratophysella longispina* Sachsse (2327) p. 54; Habits.
1959. *Hypogastrura longispina* Stach (1896) p. 69; Cosmopolitan.
1960. *Hypogastrura longispina* Gisin (2271) p. 53; *Sp. dub.*
1960. *H. (Ceratophysella) longaspina* Grindbergs (2373) p. 25; U.S.S.R.

Hypogastrura longispina scotica (Carpenter and Evans) 1899

1899. *Achorutes longispinus scoticus* Carpenter and Evans (402) p. 254, Pl. 5, fig. 7; Scotland.
1905. *Achorutes armatus cuspidata* Axelson (80) p. 788; Finland.
1906. *Achorutes filiformis* Wahlgren (2082) p. 219; Lapland.
1933. *Hypogastrura longispina scotica* Turk (2007) p. 93; Britain.
1940. *Achorutes scoticus* Bagnall (122) p. 164; Synonymy; Britain.
1949. *Ceratophysella scotica* Stach (1887) p. 120; Scotland; England; Finland; Swedish Lapland.
1953. *Ceratophysella scotica* Hammer (972) p. 16; North Canada.
1955. *Hypogastrura (Ceratophysella) scotica* Murphy (1474) p. 160; Ecology.
1956. *Hypogastrura (Ceratophysella) scotica* Goto (926) p. 2, figs. 1–10; Outer Hebrides.
1960. *Hypogastrura scotica* Murphy (2386) p. 46, figs. 1–8; Scotland.
1960. *Hypogastrura scotica* Gisin (2271) p. 45, figs. 99–100; Britain; Finland; Swedish Lapland.

Hypogastrura longispina trispina (Carpenter) 1927

1927. *Achorutes longispinus trispinus* Carpenter (396) p. 195, fig. 1; Spitzbergen.

Hypogastrura loricata (Yosii) 1960

TYPE: Yoshida Coll., Kyoto University, Japan.
1960. *Hypogastrura (Cyclograna) loricata* Yosii (2409) p. 264, figs. 9, 37–40; U.S.A.

Hypogastrura lucifuga (Packard) 1888

1888. *Lipura lucifuga* Packard (1527) p. 65 (provisionally named); Indiana.
1891. *Lipura lucifugus* MacGillivray (1341) p. 276; Kentucky.
1960. *Hypogastrura lucifuga* Christiansen (2364) p. 43, *comb. nov.*

Hypogastrura luteospina Stach, 1920

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1920. *Hypogastrura luteospina* Stach (1859) p. 136, fig. 28; Poland.
1937. *H. (Ceratophysella) luteospina* Kseneman (1217) p. 465; Carpathians.
1943. *Hypogastrura luteospina* Gisin (853) p. 141; Switzerland.
1944. *Hypogastrura luteospina* Gisin (855) p. 5, fig. 3; Switzerland.
1948. *Ceratophysella luteospina* Franz and Beier (821) p. 478; Ecology.
1949. *Ceratophysella luteospina* Stach (1887) p. 139, Pl. XIV; Poland; West Ukraine.
1951. *Hypogastrura (Ceratophysella) luteospina* Del. Deb. and Gisin (597) p. 133; Italy, caves.
1951. *Ceratophysella luteospina* Stach (1889) p. 15, fig. 7 c.
1955. *Ceratophysella luteospina* Stach (1893) p. 99, fig. 271; Poland; Switzerland.
1956. *Ceratophysella luteospina* Paclt (1541) p. 11; Biology.
1956. *Hypogastrura luteospina* Stevanovic (1903) p. 4; Yugoslavia.
1959. *Hypogastrura luteospina* Muller (2309) p. 249; Ecology.
1959. *Ceratophysella luteospina* Stach (1896) p. 19; Poland.
1960. *Hypogastrura luteospina* Gisin (2271) p. 50, fig. 115; Europe.
1960. *H. (Ceratophysella) luteospina* Grindbergs (2373) p. 26; U.S.S.R.

Hypogastrura luteospina atypica Cassagnau, 1954

TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1954. *Hypogastrura luteospina atypica* Cassagnau (415) p. 67; Pyrénées.

Hypogastrura macgillivrayi (Folsom) 1916

COTYPES: U.S. Nat. Mus., Washington D.C., Mus. Comp. Zool., Harvard, U.S.A.
1916. *Achorutes macgillivrayi* Folsom (787) p. 488, Pl. 13, figs. 74–81; New York, U.S.A.
1933. *Achorutes macgillivrayi* Folsom (802) p. 936; Agric. pest.
1933. *Achorutes macgillivrayi* James (1124) p. 88; Canada.
1934. *Achorutes macgillivrayi* Mills (1417) p. 13; Iowa, U.S.A.; Canada.
1944. *Hypogastrura macgillivrayi* Gisin (854) p. 10; North America.
1949. *Neogastrura macgillivrayi* Stach (1887) p. 39; U.S.A.
1950. *Achorutes macgillivrayi* Wray (2202) p. 6; North Carolina.
1951. *Hypogastrura macgillivrayi* Maynard (1393) p. 43; New York.
1956. *Hypogastrura macgillivrayi* Paclt (1541) p. 123; Biology.
1959. *Hypogastrura macgillivrayi* Wilkey (2350) p. 222; California.

Hypogastrura macrocantha (Stach) 1946

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1946. *Ceratophysella macrocantha* Stach (1884) p. 4, Pl. II, figs. 1–6; Styrian Alps.
1949. *Ceratophysella macrocantha* Stach (1887) p. 121; Styrian Alps.
1960. *Hypogastrura macrocantha* Gisin (2271) p. 45; Styrian Alps.

Hypogastrura macronycha Steiner, 1959

1959. *Hypogastrura (Ceratophysella) macronycha* Steiner (2342) p. 73, fig. 3; Spain.
1960. *Hypogastrura macronycha* Gisin (2271) p. 52; Spain.

Hypogastrura macrospinata Maynard, 1951

TYPE: Author. Colln., Univ. of Rochester, U.S.A.
1951. *Hypogastrura macrospinata* Maynard (1393) p. 34, Pl. I, fig. 1; Pl. III, figs. 52–57; New York.

Hypogastrura macrotuberculata (Hammer) 1953

TYPE: Author. Colln., Roland, Fredensborg, Denmark.
1953. *Neogastrura macrotuberculata* Hammer (972) p. 13, fig. 2; North Canada.

Hypogastrura maculata (Koch) 1840

1840. *Achoreutes maculatus* Koch (1187) p. 358; Europe.
1911. *Achorutes maculatus* Ritter (1661) p. 395, figs. 47–50; India; Ceylon.

Hypogastrura manubrialis (Tullberg) 1869

COTYPE: Swed. Mus. Nat. Hist., Stockholm.

1869. *Achorutes manubrialis* Tullberg (2001) p. 9; Scandinavia.
1871. *Achorutes manubrialis* Tullberg (2002) p. 153; Sweden.
1872. *Achorutes manubrialis* Tullberg (2003) p. 51, Pl. X, figs. 21 and 22; Sweden.
1873. *Achorutes manubrialis* Lubbock (1318) p. 21; Europe.
1876. *Achorutes manubrialis* Reuter (1628) p. 82; Finland.
1880. *Podurhippus pityriasicus* Megnin (1397) p. 102; Europe; Cf. Denis (618).
1893. *Achorutes manubrialis* Brook (291) p. 19, Pl. I, figs. 1–5; England.
1893. *Achorutes manubrialis* Schött (1765) p. 831; Sweden; Finland; England; Germany.
1895. *Achorutes manubrialis* Reuter (1643) pp. 20, 31, Pl. XI, fig. 7, Tab. II, fig. 8; Finland; Sweden; England.
1896. *Achorutes manubrialis* Schaeffer (1735) p. 174, Pl. II, figs. 26–28, Pl. III, fig. 58.
1897. *Achorutes manubrialis* Schaeffer (1736) p. 13; South America.
1898. *Achorutes assimilis* Krausbauer (1203) p. 503; Germany.
1898. *Achorutes manubrialis* Scherbakow (1750) p. 58; Kiev, Russia.
1898. *Achorutes manubrialis* Scherbakow (1751) p. 7; Russia.
1899. *Achorutes schötti* Carl (352) p. 296, Pl. 8, figs. 18 and 19; Switzerland.
1900. *Achorutes manubrialis* Wahlgren (2077) pp. 368, 375; Greenland.
1901. *Achorutes neglectus* Börner (234) p. 1; Central Europe.
1901. *Achorutes schötti* Carl (354) p. 252; Switzerland.
1901. *Achorutes manubrialis* Krausbauer (1204) p. 88;
1901. *Achorutes schötti* Krausbauer (1204) p. 86, fig. 80; Germany.
Germany.
1902. *Achorutes manubrialis* Schött (1772) p. 9, Pl. I, figs. 7 and 8, Pl. II, fig. 7; Arctic.
1903. *Achorutes manubrialis* Ågren (55) p. 122, figs. 2 and 3; Ad. description; South Sweden.
1903. *Achorutes schötti* Guthrie (951) p. 93, Pl. X, figs. 17–19, Pl. XI, fig. 4; Minnesota.
1904. *Achorutes manubrialis* Carpenter and Evans (403) p. 217, Pl. IV, figs. 5–9; Scotland.
1905. *Achorutes manubrialis* Axelson (82) p. 6; Revals, Russia.
1906. *Achorutes manubrialis* Wahlgren (2080) p. 243; Sweden.
1907. *Achorutes manubrialis* Axelson (83) p. 127; Finland.
1908. *Achorutes manubrialis* Evans (741) p. 199; Scotland.
1909. *Achorutes schötti* Latzel (1248) p. 162; Europe.
1910. *Achorutes manubrialis* Collinge (464) p. 7; England.
1910. *Achorutes manubrialis* Collinge and Shoebotham (472) p. 100; England.
1910. *Achorutes manubrialis* Theobald (1964) p. 184; Gen. Economics.
1912. *Hypogastrura manubrialis* Axelson (1292) p. 21, Pl. II, figs. 15–21; Finland.
1914. *Achorutes manubrialis* Shoebotham (1820) p. 60; Scotland; England.
1916. *Hypogastrura manubrialis* Bartholin (149) p. 181; Denmark.
1916. *Achorutes maturus* Folsom (787) p. 481, Pl. 8, figs. 15–21; Illinois; Minnesota.
1916. *Achorutes yamagata* Kinoshita (1172) p. 455 and figs.; Japan.
1917. *Hypogastrura manubrialis* Shoebotham (1823) p. 220; England.
1919. *Hypogastrura manubrialis* Handschin (977) p. 68; Switzerland; England; North and Middle Europe.
1920. *Achorutes manubrialis* Morris (1454) p. 147.
1921. *Hypogastrura manubrialis* Schött (1775) p. 34; Juan Fernandez I.
1922. *Hypogastrura manubrialis* Denis (608) p. 284; North Africa.
1922. *Hypogastrura manubrialis* Latzel (1250) p. 51; Austria.
1923. *Hypogastrura moniezi* Denis (612) p. 96, figs. 6–10; Cf. Denis (638).
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1925. *Hypogastrura manubrialis* Denis (618) p. 555, fig. 1; France.
1925. *Hypogastrura manubrialis* Handschin (987) p. 162, Pl. 28; Morocco.
1928. *Hypogastrura manubrialis* Handschin (1005) p. 5; Algeria.
1928. *Hypogastrura manubrialis* Remy (1625) p. 60; Greenland.
1929. *Hypogastrura manubrialis* Bonet (200) p. 795; Spain.
1929. *Hypogastrura manubrialis* Buitendijk (334) p. 54; Holland.
1929. *Hypogastrura manubrialis* Handschin (1008) p. 25; Germany.
1929. *Achorutes manubrialis* Stach (1869) p. 280; Europe.
1929. *Hypogastrura manubrialis* Womersley (2162) p. 153; Rhodesia.
1930. *Achorutes manubrialis* Mills (1414) p. 392; pest!
1930. *Hypogastrura manubrialis* Ripper (1659) p. 546; Biology.
1931. *Hypogastrura manubrialis* Denis (638) p. 74; Ad. description; Synonymy; Costa Rica.
1931. *Hypogastrura manubrialis* Denis (639) p. 202; Reference list.
1931. *Hypogastrura manubrialis* Lindroth (1286) p. 126; Iceland.
1933. *Hypogastrura manubrialis* Folsom (802) p. 936; Agric. pest.
1933. *Hypogastrura manubrialis* Turk (2007) p. 93; Britain.
1933. *Hypogastrura manubrialis* Womersley (2176) p. 52, text-figs. 1 d and e; Australia.
1934. *Hypogastrura manubrialis* Durkop (707) p. 493; Finland; Denmark; Germany.
1934. *Hypogastrura manubrialis* Jorgensen (1145) p. 7; Greenland.
1934. *Hypogastrura manubrialis* Womersley (2177) p. 467; Cosmopolitan; Europe; South Rhodesia; Algeria; Tunis; Morocco; Cape Province.
1938. *Hypogastrura manubrialis* Hammer (968) p. 9; East Greenland.
1938. *Hypogastrura manubrialis* Handschin (1011) p. 138; Oceania; Juan Fernandez I.
1939. *Achorutes (Hypogastrura) manubrialis* Thomas (1969) p. 19; on edible fungi.
1939. *Hypogastrura manubrialis* Womersley (2190) p. 89, figs. 40 G-K; South Australia.
1940. *Achorutes manubrialis* Bagnall (122) p. 166.
1941. *Achorutes mucronalis* Bagnall (123) p. 219; Britain; Cf. Stach (1887).

HOLOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.

1941. *Hypogastrura manubrialis* Buitendijk (336) p. 19; Europe; Netherlands; North and South America.
1941. *Achorutes manubrialis* Salmon (1676) p. 294, figs. 21–24; New Zealand.
1942. *Hypogastrura manubrialis* Marlier (1375) p. 8; Belgium.
1942. *Hypogastrura manubrialis* Womersley (2193) p. 23; New Zealand.
1943. *Hypogastrura manubrialis* Agrell (47) p. 124; Sweden.
1944. *Hypogastrura manubrialis* Gisin (854) p. 9; Holarctic.
1944. *Achorutes manubrialis* Gould (931) p. 170; Agric. pest, Indiana.
1944. *Hypogastrura manubrialis* Hammer (969) p. 61; Greenland; Iceland; Arctic Siberia; Finland; England.
1944. *Hypogastrura manubrialis* Marlier (1376) p. 8; Belgian Congo.
1945. *Hypogastrura manubrialis* Marlier (1377) p. 253; Belgian Congo.
1947. *Hypogastrura manubrialis* Del.-Deb. (550) p. 126; France.
1948. *Hypogastrura manubrialis* Gisin (867) p. 80; Switzerland.
1949. *Hypogastrura manubrialis* Janetschek (1127) pp. 41, 135–143; Ecology.
1949. *Neogastrura manubrialis* Stach (1887) p. 50, Pl. I; Poland; Hungary; Styria; Caucasus; Egypt; Synonymy.
1949. *Hypogastrura manubrialis* Strenzke (1922) p. 250; Ecology; Germany.
1950. *Hypogastrura manubrialis* Del.-Deb. (570) p. 281; Europe.
1951. *Hypogastrura manubrialis* Gisin (877) p. 85; Switzerland.
1951. *Hypogastrura manubrialis* Maynard (1393) p. 43; New York.
1951. *Hypogastrura manubrialis* Stach (1889) p. 18, figs. 9-D.
1952. *Hypogastrura manubrialis* Baudissin (152) p. 56; Ecology.
1953. *Hypogastrura manubrialis* Del.-Deb. (584) p. 295; Algeria.
1953. *Neogastrura manubrialis* Hammer (972) p. 62; North America; Alaska; Iceland.
1954. *Hypogastrura manubrialis* Bellinger (174) p. 18; Connecticut.
1955. *Hypogastrura manubrialis* Gisin (890) p. 141; Switzerland.
1955. *Hypogastrura manubrialis* Goto (921) p. 267; Britain.
1955. *Hypogastrura manubrialis* Stach (1893) p. 93, figs. 238–240; Add. descrip.
1955. *Hypogastrura manubrialis* Strenzke (1926) p. 19; Scandinavia; Algeria.
1956. *Hypogastrura manubrialis* Cassagnau (2256) p. 1361.
1956. *Hypogastrura manubrialis* Paclt (1541) p. 120; Biology.
1956. *Hypogastrura manubrialis* Stevanovic (1903) p. 4; Yugoslavia.
1957. *Hypogastrura manubrialis* Bödvarsson (2252) p. 7, Iceland.
1957. *Hypogastrura manubrialis* Mayer (1390) p. 526 *et seq.* fig. 28; Biology.
1958. *Hypogastrura manubrialis* Cassagnau (2260) p. 3379.
1958. *Neogastrura manubrialis* Grindbergs (2275) p. 11; Latvia.
1958. *H.* (*Hypogastrura*) *manubrialis* Grindbergs (2277), p. 190; Latvia.
1958. *Achorutes manubrialis* Miles (1412) p. 638; Wales.
1959. *Hypogastrura manubrialis* Cassagnau (2261) p. 478 *et seq.*
1959. *H.* (*Hypogastrura*) *manubrialis* Paclt (2316) p. 26; South Africa.
1959. *Hypogastrura manubrialis* Paclt (2390) p. 419; Egypt.
1959. *Neogastrura manubrialis* Rapoport (2324) p. 82, figs. 16–26; Argentina.
1959. *Hypogastrura manubrialis* Stach (1896) p. 61; Europe, Alps.
1960. *Hypogastrura manubrialis* Gisin (2271) p. 35, fig. 79; Europe.
1960. *Hypogastrura* (*Hypogastrura*) *manubrialis* Grindbergs (2373) p. 24; U.S.S.R.
1960. *Hypogastrura manubrialis* Milne (2384) p. 137; on Life History.
1960. *Hypogastrura manubrialis* Yosii (2409) p. 273; figs. 18, 74–76; Japan.
1962. *Hypogastrura mucronalis* Lawrence (2497) p. 136; Synonymy.

Hypogastrura manubrialis assimilis (Krausbauer) 1898

1898. *Achorutes assimilis* Krausbauer (1203) p. 503; Germany.
1900. *Achorutes schotti obtusa* Axelson (75) p. 110; Finland.
1901. *Achorutes assimilis* Krausbauer (1204) p. 88, figs. 83–85; Germany.
1903. *Achorutes manubrialis obtusa* Axelson (77) p. 5; Finland.
1907. *Achorutes manubrialis assimilis* Axelson (83) p. 127; Finland.
1912. *Hypogastrura manubrialis assimilis* Axelson (1292) p. 22, Pl. II, fig. 18; Finland.
1930. *Hypogastrura manubrialis assimilis* Stach (1869) p. 280; North and Central Europe.
1934. *Hypogastrura manubrialis assimilis* Durkop (707) p. 493; Finland; Germany.
1943. *Hypogastrura manubrialis assimilis* Gisin (853) p. 140; Switzerland.
1947. *Hypogastrura manubrialis assimilis* Gisin (865) p. 341, fig. 1; Switzerland.
1948. *Hypogastrura manubrialis assimilis* Del. Deb. (552) p. 136; Belgium.
1953. *Neogastrura manubrialis assimilis* Hammer (972) p. 11; North Canada.
1958. *H.* (*Hypogastrura*) *manubrialis assimilis* Grindbergs (2276) p. 190; Latvia.

Hypogastrura manubrialis neglecta (Borner) 1901

1901. *Achorutes neglectus* Borner (234) p. 30; Central Europe.
1902. *Achorutes neglectus* Schott (1772) p. 2; Scandinavia.
1907. *Achorutes manubrialis neglecta* Axelson (83) p. 127; Finland.
1909. *Achorutes neglectus* Collinge and Shoebotham (471) p. 88; England.
1910. *Achorutes manubrialus neglectus* Collinge and Shoebotham (472) p. 100; Hertfordshire.
1912. *Achorutes manubrialus neglectus* Axelson (1292) p. 100; Finland.
1930. *Hypogastrura manubrialis neglecta* Womersley (2168) p. 166; Ireland.
1942. *Achorutes manubrialis neglectus* Marlier (1375) p. 8; Belgium.
1958. *H.* (*Hypogastrura*) *manubrialis neglecta* Grindbergs (2277) p. 190; Latvia.

1959. *Hypogastrura manubrialis neglecta* Cassagnau (2261) p. 484; France.

Hypogastrura manubrialis obtusa (Axelson)

1900. *Achorutes schötti obtusa* Axelson (75) p. 110; Finland.
1904. *Achorutes manubrialis obtusa* Axelson (78) p. 5; Siberia.

Hypogastrura manubrialis ripperi Gisin, 1952

TYPE: Mus. Hist. Natur., Geneva.
1952. *Hypogastrura manubrialis ripperi* Gisin (882), p. 1; Vienna.

Hypogastrura marmorata (Packard) 1873

1873. *Achorutes marmoratus* Packard (1521) p. 30; Maine.
1891. *Achorutes marmoratus* MacGillivray (1341) p 274; Ohio.

Hypogastrura matura (Folsom) 1916

COTYPES: U.S. Nat. Mus., Washington D.C., Mus. Comp. Zool., Harvard, U.S.A.
1903. *Achorutes schotti* Guthrie (951) p. 1; *ad. part.* Minnesota.
1916. *Achorutes maturus* Folsom (787) p. 481, Pl. 8, figs. 15–21; Illinois; Minnesota.
1933. *Hypogastrura matura* Denis (645) p. 222; Costa Rica.
1933. *Achorutes maturus* Folsom (802) p. 936; Agric. pest.
1933. *Achorutes maturus* Mills & Rolfs (1431) p. 78; Washington.
1934. *Achorutes maturus* Mills (1417) p. 10; Iowa.
1938. *Achorutes maturus* Brimley (275) p. 14; North Carolina.
1938. *Achorutes maturus* Mills (1421 p. 14; North Carolina.
1939. *Achorutes* (*Hypogastrura*) *maturus* Thomas (1969) p. 19; on edible fungi.
1943. *Achorutes maturus* Mohr (1438) p. 278; Ecology.
1944. *Hypogastrura matura* Gisin (854) p. 8; U.S.A.
1949. *Neogastrura matura* Stach (1887) p. 23; U.S.A., Illinois, Minnesota.
1950. *Achorutes maturus* Knowlton (1185) p. 96; Agric. pest; Utah.
1950. *Achorutes maturus* Wray (2216) p. 60; Utah.
1951. *Hypogastrura matura* Maynard (1393) p. 39, Pl. IV, figs. 65–69; New York, U.S.A.
1951. *Achorutes maturus* Wilkey (2120) p. 79; Colorado.
1956. *Hypogastrura matura* Paclt (1541) p. 123; Biology.
1956. *Achorutes maturus* Wray and Knowlton (2214) p. 1; Idaho.
1959. *Hypogastrura matura* Wilkey (2350) p. 222; California.
1960. *Hypogastrura matura* Willson (2436) p. 599; Physiology.

Hypogastrura matura mexicana Handschin, 1928

1928. *Hypogastrura matura mexicana* Handschin (1002) p. 535, figs. 1–5; Mexico.

Hypogastrura maya (Yosii) 1962

1962. *Ceratophysella maya* Yosii (2572) p. 15, fig. 12; Mexico.

Hypogastrura meridionalis Steiner, 1955

1955. *Hypogastrura meridionalis* Steiner (1906) p. 323, fig. 1; Spain.
1960. *Hypogastrura meridionalis* Gisin (2271) p. 34, fig. 78; Spain.

Hypogastrura minuta Denis, 1931

1931. *Hypogastrura minuta* Denis (637) p. 7, figs. 5–8; Italy.
1931. *Hypogastrura minuta* Denis (640) p. 80; Taxonomy.
1938. *Hypogastrura minuta* Denis (665) p. 120; Synonymy = *H. sigillata* (Uzel).

Hypogastrura mitis (Ågren) 1904

1904. *Achorutes mitis* Ågren (56) p. 6; Sweden.
1906. *Achorutes mitis* Wahlgren (2080) p. 243; Sweden.
1919. *Hypogastrura mitis* Wahlgren (2089) p. 750; Sweden.

Hypogastrura monstruosa Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Hypogastrura monstruosa* Gisin (872) p. 393; Switzerland.
1960. *Hypogastrura monstruosa* Gisin (2271) p. 49; Germany.

Hypogastrura montana Maynard, 1951

TYPE: Author. Colln., Univ. of Rochester, U.S.A.
1951. *Hypogastrura montana* Maynard (1393) p. 42, Pl. V, figs. 72–77; New York.
1954. *Hypogastrura montana* Bellinger (174) p. 18; Connecticut.

Hypogastrura monticola Stach, 1946

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1946. *Hypogastrura monticola* Stach (1884) p. 1, Pl. I, figs. 1–10; European Alps.
1947. *Hypogastrura monticola* Gisin (865) p. 341, fig. 2; Central Alps, Switzerland.
1949. *Hypogastrura monticola* Gisin (872) p. 387; Switzerland.
1949. *Neogastrura monticola* Stach (1887) p. 78; Pl. V, Poland; Salzburg.
1954. *Hypogastrura monticola* Cassagnau (415) p. 66; France.
1955. *Hypogastrura monticola* Stach (1893) p. 94, fig. 251; Poland.
1958. *Hypogastrura monticola* von Torne (1993) p. 659; Austria.
1959. *Hypogastrura monticola* Stach (1896) p. 18; Poland; Alps.
1960. *Hypogastrura monticola* Gisin (2271) p. 38; Europe.

Hypogastrura morbillata (Salmon) 1941

TYPE AND PARATYPES: Dom. Mus., Wellington, N.Z.
1941. *Achorutes morbillatus* Salmon (1676) p. 292, Pl. 41, figs. 29–34; New Zealand.
1943. *Achorutes morbillatus* Salmon (1680) p. 375; North Island, New Zealand.
1949. *Podurhippus morbillatus* Salmon (1689) p. 10; Campbell I.
1949. *Neogastrura morbillata* Stach (1887) p. 41; New Zealand.

Hypogastrura mosquensis (Becker) 1905

1905. *Achorutes mosquensis* Becker (160) p. 94; Russia.
1935. *Achorutes mosquensis* Becker (165) p. 61; Russia.
1960. *H. (Ceratophysella) mosquensis* Grindbergs (2373) p. 26; U.S.S.R.

Hypogastrura murorum Bourlet, 1841

1841. *Hypogastrura murorum* Bourlet (261) p. 123, fig. 10; France.
1843. *Hypogastrura murorum* Bourlet (265) pp. 31, 56; France.
1844. *Achorutes murorum* Gervais (841) p. 439; France.

1844. *Achorutes murorum* Lucas (1327) p. 295; Reference list.
1845. *Hypogastrura murorum* Bourlet (266) p. 67; France.
1847. *Hypogastrura murorum* Bourlet (267) p. 221; France.
1847. *Achorutes murorum* Nicolet (1496) Pl. 6, fig. 11; France.
1858. *Achorutes murorum* Low (1312) p. 564; Systematics.
1866. *Achorutes murorum* Low (1313) p. 945; Systematics.
1868. *Achorutes murorum* Lubbock (1316) p. 302; England.
1869. *Achorutes murorum* Tullberg (2001) p. 7; Scandinavia.
1871. *Achorutes murorum* Tullberg (2002) p. 153; Sweden.
1873. *Achorutes murorum* Lubbock (1318) p. 182; Europe.
1883. *Achorutes murorum* Parona (1558) p. 463; Italy.
1887. *Achorutes murorum* Parona (1561) p. 475; Strait of Magellan.
1891. *Achorutes murorum* Uzel (2051) p. 920; Helgoland I.
1895. *Achorutes murorum* Parona (1565) p. 699; Argentina.
1942. *Achorutes murorum* Caspers (408) p. 150; Helgoland I.

Hypogastrura myrmecophila Womersley, 1926

1926. *Hypogastrura myrmecophila* Womersley (2162) p. 153, figs. 4–9; South Rhodesia.
1934. *Hypogastrura myrmecophila* Womersley (2177) p. 467; South Rhodesia.
1949. *Neogastrura myrmecophila* Stach (1887) p. 34; South Africa.

Hypogastrura narkandae Baijal, 1955

COTYPES: Zool. Surv. India, Calcutta.
1955. *Achorutes narkandae* Baijal (132) p. 531, 6 figs.; Himalayas.

Hypogastrura navicularis (Schött) 1893

1893. *Achorutes navicularis* Schött (1765) p. 82, Pl. VII, figs. 9 and 10; Siberia.
1900. *Achorutes navicularis* Schaeffer (1738) p. 243; North Siberia.
1902. *Achorutes navicularis* Schött (1772) p. 6, Pl. I, fig. 3, Pl. II, figs. 1–4; Arctic.
1929. *Achorutes navicularis* Kel'schtein (1160) p. 247; Russia.
1932. *Hypogastrura navicularis* Agrell (36), p. 128.

Hypogastrura neglecta (Borner) 1901

1901. *Achorutes neglectus* Börner (234) p. 30; Central Europe.
1902. *Achorutes neglectus* Schött (1772) p. 10, Pl. I, fig. 9; Arctic.
1906. *Achorutes neglectus* Wahlgren (2080) p. 244; Sweden.
1909. *Achorutes neglectus* Collinge and Shoebotham (471) p. 88; England.
1934. *Hypogastrura manubrialis neglecta* Womersley (2177) pp. 446, 467; Europe; South Africa.
1947. *Hypogastrura manubrialis neglecta* Del.-Deb. (550) p. 126; France.

Hypogastrura nemoralis Yosii, 1960

TYPE: Author. Coll. Yoshida Coll., Kyoto Univ., Japan.
1960. *Hypogastrura nemoralis* Yosii (2409) p. 274, figs. 20, 77–83; Japan.

Hypogastrura nicoleti (Houlbert) 1924 **nom. nov.**

1847. *Achorutes purpureus* Nicolet (1496) p. 379; Systematics.
1849. *Podura nicoleti* Perty (1578) p. 145 and figs.; Europe.
1924. *Achorutes Nicoleti nom. nov.* Houlbert (1078) p. 75; France.

Hypogastrura nigra (Koch) 1840

1840. *Achoreutes nigra* Koch (1187) p. 357; Europe.

Hypogastrura nivalis (Ågren) 1903

1903. *Achorutes nivalis* Ågren (54) p. 126; Sweden.
1906. *Achorutes nivalis* Wahlgren (2080) p. 243; Sweden.
1943. *Hypogastrura nivalis* Agrell (47) p. 124; Sweden.
1949. *Neogastrura nivalis* Stach (1887) p. 26; Sweden.

Hypogastrura nivicola* (Fitch) 1847

1847. *Podura nivicola* Fitch (765) p. 283, also vol. 6, p. 152; New York.
1849. *Podura nivicola* McMinn (2299) p. 246; U.S.A.
1861. *Podura nivicola* Ashton (70) p. 32; U.S.A.
1869. *Podura nivicola* Walsh and Riley (2349) p. 188; U.S.A.
1873. *Achorutes nivicola* Packard (1521) p. 29; Massachusetts.
1877. *Podura nivicola* Lintner (1304) p. 146; New York.
1890. *Achorutes socialis* Uzel (2050) p. 69, Pl. 2, figs. 16–19; Czechoslovakia; Germany.
1891. *Achorutes nivicola* MacGillivray (1341) p. 274; New York; Massachusetts; Pennsylvania; Wisconsin.
1893. *Podura (Schoturus) nivicola* MacGillivray (1342) p. 316; New Mexico; North America.
1893. *Achorutes socialis* Schött (1765) p. 81, Pl. VII, figs. 6–8; Sweden.
1893. *Achorutes nivicola* Wilson (2140) p. 202; on swarming.
1894. *Achorutes socialis* Schött (1765) p. 81, Pl. 7, figs. 6–8; Synonymy.
1895. *Schoturus nivicola* Dalla Torre (498) p. 13; Austria.
1896. *Achorutes socialis* Hisinger (1065) p. 32; Scandinavia.
1896. *Achorutes diversiceps* Lintner (1306) p. 253, figs. 23–25; U.S.A.
1896. *Schoturus nivicola* Lintner (1306) p. 253; North America.
1896. *Achorutes socialis* Schaeffer (1735) p. 172; Germany.
1896. *Achorutes spinifer* Schaeffer (1735) p. 172, Pl. 3, fig. 51; Germany.
1896. *Achorutes socialis* Schött (1768) p. 123, Pl. 3, figs. 20–22; Sweden.
1897. *Achorutes socialis* Westerlund (2114) p. 43; Scandinavia.

* The identity of *H. nivicola* (Fitch) and *H. socialis* (Uzel) was first pointed out in 1894 by Schött (1765) in his synonymy (p. 81) and discussion (p. 82) of the species *Achorutes socialis* Uzel. Folsom (782) p. 317, in 1902 describes this problem at some length and records the exchange of some specimens with Schaeffer and Schött in Europe, who identified them as *A. spinifer* and *A. socialis*, which were thus proved to be identical with the American species *A. nivicola*.

1899. *Achorutes socialis* Carl (352) p. 297; Switzerland.
1900. *Achorutes socialis* Reuter (1647) p. 127; Finland.
1901. *Achorutes socialis* Absolon (15) p. 583, figs. 1, 4.
1901. *Achorutes socialis* Carl (354) p. 252; Switzerland.
1901. *Achorutes socialis* Krausbauer (1204) p. 86; Germany.
1901. *Achorutes socialis* Lie-Pettersen (2382) p. 205; Scandinavia.
1902. *Achorutes nivicola* Folsom (782) p. 318, Pl. III, figs. 1–11; U.S.A.
1902. *Achorutes socialis* Schött (1772) p. 10, Pl. I, fig. 10.
1903. *Achorutes socialis* Guthrie (951) p. 92, Pl. X, figs. 20–23, Pl. XI, fig. 3; Orig. descr.; Minnesota.
1904. *Achorutes mitis* Ågren (56) p. 1; Lapland.
1904. *Achorutes nivicola* Axelson (79) p. 67; Norway.
1904. *Achorutes nivicola* Axelson (80) p. 789; Finland.
1905. *Achorutes socialis* Becker (160) p. 86; Moscow.
1906. *Achorutes nivicola* Lie-Pettersen (1284) p. 56; Norway.
1906. *Achorutes socialis* Wahlgren (2080) p. 243, fig. 9; Sweden.
1907. *Achorutes socialis* Axelson (83) p 128; Finland.
1908. *Achorutes socialis* Schille (1755) p. 6; Poland.
1909. *Achorutes nivicola* Dow and Smith (692) p. 35; New Jersey.
1909. *Achorutes (Euachorutes) socialis* Latzel (1247) p. 65; Austria.
1909. *Achorutes nivicola* Latzel (1247) p. 66; Synonymy; Austria.
1909. *Achorutes nivicola* Latzel (1248) p. 172; Austria.
1909. *Achorutes socialis* Latzel (1248) pp. 148, 157, 160, 163, 165; Austria.
1912. *Hypogastrura socialis* Axelson (1292) p. 35, Pl. IV, figs. 5 and 6; Finland.
1912. *Achorutes socialis* Dahl (496) p. 426; Ecology.
1912. *Achorutes socialis* Schille (1756) p. 3; Galicia.
1916. *Achorutes socialis* Folsom (787) p. 484, Pl. 7, fig. 1, Pl. 10, figs. 42–46, Pl. 11, figs. 47–50.
1919. *Achorutes socialis* McNamara (1360) p. 243; Systematics.
1922. *Hypogastrura socialis* Latzel (1250) p. 52; Austria.
1924. *Achorutes socialis* Handschin (981) p. 91, figs. 17–23; Switzerland.
1926. *Hypogastrura socialis* Handschin (988) p. 11, figs. 4, 17; Biology.
1928. *Achorutes socialis* Folsom (800) p. 11; New York.
1929. *Hypogastrura socialis* Handschin (1008) p. 20, figs. 18 and 19; North America; Europe; Germany.
1929. *Achorutes socialis* Kel'Schtein (1160) p. 247; Russia.
1930. *Achorutes socialis* Mills (1414) p. 389; Canada.
1930. *Hypogastrura socialis* Stach (1869) p. 280; Siberia; England.
1930. *Hypogastrura socialis* Womersley (2168) p. 164.
1931. *Hypogastrura socialis* Bonet (205) p. 374; Czechoslovakian caves.
1931. *Hypogastrura socialis* Denis (637) p. 8; Systematics; Italian caves.
1933. *Achorutes socialis* Folsom (802) p. 937; Agric. pest.
1933. *Achorutes socialis* James (1124) p. 89, 4 Pl.; Toronto, Canada.
1933. *Achorutes socialis* Mills and Rolfs (1431) p. 78; Washington.
1933. *Hypogastrura socialis* Schubert (1787) p. 222; Ecology.
1934. *Achorutes nivicolus* Mills (1417) p. 12; Iowa; Cosmopolitan.
1935. *Achorutes socialis* Bagnall (113) p. 99; Synonymy; England.
1935. *Hypogastrura socialis* Schubert (1791) p. 124; Germany.
1936. *Hypogastrura socialis* Tarsia in Curia (1951) p. 19; Italy.
1939. *Hypogastrura nivicola* Bagnall (119) p. 93; Synonymy; Britain.
1942. *Achorutes nivicolus* Essig (733) p. 77; Cosmopolitan.
1942. *Hypogastrura socialis* Tahvonen (1949) p. 203; Finland.
1943. *Hypogastrura socialis* Agrell (47) p. 123; Sweden.
1949. *Achorutes socialis* Judd (1151) p. 84; Habits.
1949. *Achorutes nivicolus* Kenk (1162) p. 51; Michigan.
1949. *Achorutes nivicola* Palmer (1548) p. 382; America.
1949. *Neogastrura socialis* Stach (1887) p. 71, Pl. IV, Poland; Slovakia; Styria; Yugoslavia.
1950. *Hypogastrura socialis* Del.-Deb. (570) p. 281; Europe.
1950. *Achorutes nivicola* Wray (2216) p. 61; Utah.
1951. *Achorutes nivicola* Cassagnau (410) p. 107; Canada.
1951. *Hypogastrura nivicola* Maynard (1393) p. 29, Pl. II, fig. 32; New York.
1951. *Hypogastrura socialis* Praport (1610) p. 138; Poland.
1954. *Hypogastrura nivicola* Bellinger (174) p. 18; Connecticut.
1955. *Achorutes nivicola* Phillips (1584) p. 243; England.
1955. *Hypogastrura socialis* Stach (1893) p. 92, figs. 234–237; Europe.
1956. *Hypogastrura nivicola* Paclt (1541) pp. 12, 67, 100, 122; Biology.
1956. *Achorutes nivicolus* Wray and Knowlton (2214) p. 2; Idaho.
1957. *Achorutes socialis* Mayer (1390) p. 543; Ecology.
1958. *H. (Hypogastrura) socialis* Grindbergs (2277) p. 189; Latvia.
1958. *Hypogastrura socialis* Kholova (1169) p. 234; Bohemia.
1958. *Hypogastrura socialis* Nosek (1503) p. 358; Czechoslovakia.
1958. *Hypogastrura socialis* von Torne (1993) p. 659; Austria.
1959. *Hypogastrura socialis* Muller (2309) p. 249; Ecology.
1959. *Hypogastrura socialis* Stach (1896) p. 17; Poland.
1959. *Hypogastrura nivicola* Wilkey (2350) p. 222; California.
1960. *Hypogastrura socialis* Gisin (2271) p. 34, figs. 76, 77; Europe.
1960. *H. (Hypogastrura) socialis* Grindbergs (2373) p. 23; U.S.S.R.
1960. *Hypogastrura nivicola* Yosii (2409) p. 268, figs. 13, 46; U.S.A.

Hypogastrura nivicola rufipes Latzel, 1917

1917. *Hypogastrura socialis rufipes* Latzel (1249) p. 234; European Alps.
1922. *Hypogastrura rufipes* Latzel (1250) p. 52; Austria.

Hypogastrura nodusa Steiner, 1958

1958. *Hypogastrura nodusa* Steiner (2342) p. 69, fig. 1; North Spain.

Hypogastrura norica Latzel, 1917

1917. *Hypogastrura norica* Latzel (1249) p. 234; Austria and Alps.

1922. *Hypogastrura norica* Latzel (1250) p. 53; Austria.
1949. *Neogastrura norica* Stach (1887) p. 23; Carinthia.
1960. *Hypogastrura norica* Gisin (2271) p. 39; Europe.

Hypogastrura notha (MacNamara) 1922

1922. *Achorutes nothus* MacNamara (1363) p. 152, figs. 1–7; Canada.
1933. *Achorutes nothus* James (1124) p. 88; Canada.
1934. *Achorutes nothus* Mills (1417) p. 12; Iowa; Ontario.
1949. *Achorutes nothus* Stach (1887) p. 22; Canada.

Hypogastrura obliqua (Salmon) 1949

TYPE AND PARATYPE: Dom. Mus., Wellington; PARATYPE: Canterbury Museum, Christchurch, N.Z.
1949. *Podurhippus obliquus* Salmon (1689) p. 10, figs. 13–18; Campbell I.

Hypogastrura omnigra (Salmon) 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Achorutes omnigrus* Salmon (1676) p. 294, Pl. 42, figs. 46–49; New Zealand.
1949. *Neogastrura omnigrus* Stach (1887) p. 42; New Zealand.

Hypogastrura oregonensis Yosii, 1960

TYPE: Author's Colln., Yoshida Coll., Kyoto University, Japan.
1960. *Hypogastrura oregonensis* Yosii (2409) p. 276, figs. 19, 84–89; Oregon.

Hypogastrura oreophila Butschek, 1948

1948. *Hypogastrura oreophila* Butschek (341) p. 25, figs. 1 a-d; European Alps.
1960. *Hypogastrura oreophila* Gisin (2271) p. 32, fig. 69; Austrian Alps.

Hypogastrura orizabae (Yosii) 1962

1962. *Ceratophysella orizabae* Yosii (2572) p. 12, fig. 9; Mexico, Vera Cruz, Oaxaca.

Hypogastrura packardi (Folsom) 1902

TYPE: Mus. Comp. Zool., Harvard.
1873. *Achorutes nivicola* Packard (1521) p. 29; *ad. part.* Massachusetts.
1885. *Achorutes nivicola* Lintner (1304) p. 203; New York.
1891. *Achorutes nivicola* MacGillivray (1341) p. 274; North America.
1893. *Achorutes nivicola* Harvey (1028) p. 183, figs. 5 and 6; North America.
1896. *Schoturus nivicola* Lintner (1306) p. 253, figs. 21, 22; North America.
1902. *Achorutes packardi* Folsom (782) p. 319, figs. 12–18; U.S.A.; Canada.
1907. *Achorutes packardi* Latzel (1248) p. 172; Austria.
1916. *Achorutes packardi* Folsom (787) p. 482, Pl. 9, figs. 29–33; North America.
1933. *Achorutes packardi* James (1124) p. 89; Canada.
1934. *Achorutes packardi* Mills (1417) p. 13; Iowa, U.S.A.; Canada.
1944. *Hypogastrura packardi* Gisin (854) p. 9; North America.
1949. *Neogastrura packardi* Stach (1887) p. 32; U.S.A.
1951. *Hypogastrura packardi* Maynard (1393) p. 32, Pl. III, figs. 40–44; New York.
1954. *Hypogastrura packardi* Bellinger (174) p. 18; Connecticut.
1957. *Neogastrura packardi* Judd (1153) p. 313; Ecology.

Hypogastrura packardi dentata (Folsom) 1902

TYPES: Mus. Comp. Zool., Harvard.
1902. *Achorutes lapponicus* Axelson (76) p. 105; Russia.
1902. *Achorutes packardi dentatus* Folsom (782) p. 320, figs. 19–24; U.S.A.
1912. *Hypogastrura lapponica* Axelson (1292) p. 31; Finland.
1916. *Achorutes packardi dentatus* Folsom (787) p. 483, Pl. 10, figs. 34–41; North America.
1933. *Achorutes packardi dentatus* James (1124) p. 89; Canada.
1934. *Achorutes packardi dentatus* Mills (1417) p. 13; Iowa.
1939. *Hypogastrura packardi dentata* Bagnall (117) p. 92; Synonymy; Britain.
1944. *Hypogastrura packardi dentata* Gisin (854) p. 9; North America.
1951. *Hypogastrura packardi dentata* Maynard (1393) p. 34, Pl. II, figs. 38 and 39; New York.

Hypogastrura packardi furcata Maynard, 1951

TYPE: Author's Colln., Univ. Rochester, U.S.A.
1951. *Hypogastrura packardi furcata* Maynard (1393) p. 33, Pl. III, fig. 45; New York.

Hypogastrura pallida (Cassagnau) 1953

TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1953. *Denisgastrura pallida* Cassagnau (415) p. 69, fig. 3; France.
1959. *Hypogastrura pallida* Cassagnau (2261) p. 489; France.
1960. *Mesachorutes pallidus* Gisin (2271) p. 57; fig. 125; Pyrénées.

Hypogastrura pallipes (Koch) 1840

1840. *Achoreutes pallipes* Koch (1187) p. 358; Europe.

Hypogastrura pannosa (MacNamara) 1922

1922. *Achorutes pannosus* MacNamara (1363) p. 153, figs. 8–16; Canada.
1933. *Achorutes pannosus* James (1124) p. 89; Canada.
1949. *Neogastrura pannosa* Stach (1887) p. 27; Canada.

Hypogastrura papillata Gisin, 1949

TYPE, PARATYPES: Mus. Hist. Natur., Geneva.
1949. *Hypogastrura papillata* Gisin (872) p. 385, fig. 1; Switzerland.
1957. *Hypogastrura papillata* Gisin (898) p. 110; Switzerland.
1960. *Hypogastrura papillata* Gisin (2271) p. 33, figs. 73–75; Switzerland.

Hypogastrura parva Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Hypogastrura parva* Gisin (872) p. 386; Switzerland.
1960. *Hypogastrura parva* Gisin (2271) p. 32; fig. 70; Switzerland.

Hypogastrura pilosa Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Hypogastrura* (*Ceratophysella*) *pilosa* Yosii (2235) p. 15, Pl. III, figs. 30–32; Pl. IV, figs. 33–36; Japan.
1960. *Hypogastrura* (*Cyclograna*) *pilosa* Yosii (2409) p. 267, fig. 12; Japan.

Hypogastrura pityriasica (Megnin) 1878

1878. *Podurhippus pityriasicus* Megnin (1396) p. 114; France.
1880. *Podurhippus pityriasicus* Megnin (1397) p. 103; France.

1956. *Podurhippus pityriasicus* Paclt (1541) p. 120; Biology.

Hypogastrura plicata Koch, 1840

1840. *Achoreutes plicatus* Koch (1187) p. 358; Systematics; Europe.

Hypogastrura pluvialis (Vogler) 1894

1894. *Achorutes pluvialis* Vogler (2063) p. 160; Switzerland.
1896. *Achorutes pluvialis* Vogler (2065) p. 149; figs. 1–3; Switzerland.

Hypogastrura pratorum (Packard) 1873

TYPES: Mus. Comp. Zool., Harvard.
1873. *Achorutes pratorum* Packard (1521) p. 31; Maine.
1891. *Achorutes pratorum* MacGillivray (1341) p. 274; Maine; New York.
1909. *Achorutes pratorum* Dow and Smith (692) p. 35; New Jersey.

Hypogastrura promatro (Wray) 1950

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1950. *Achorutes promatro* Wray (2203) p. 94, figs. 16–22; Idaho.
1956. *Achorutes promatro* Wray and Knowlton (2214) p. 2; Idaho.

Hypogastrura propinqua (Carpenter) 1904

1904. *Achorutes propinquus* Carpenter (403) p. 217, Pl. IV, figs. 10–14; Scotland.
1933. *Hypogastrura propinquus* Turk (2007) p. 93; Britain.
1949. *Neogastrura propinqua* Stach (1887) p. 43; Systematics.

Hypogastrura proserpinae Yosii, 1956

TYPE: Author. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Hypogastrura proserpinae* Yosii (2235) p. 14, Pl. II, figs. 19–24; Japan.

Hypogastrura protoviatica Handschin, 1926

1926. *Hypogastrura protoviatica* Handschin (994) p. 211, fig. 1; Baltic Bernstein.

Hypogastrura pseudarmata (Folsom) 1916

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1916. *Achorutes pseudarmatus* Folsom (787) p. 490, Pl. 14, figs. 95–100, Pl. 15, figs. 101–103; California; British Columbia.
1932. *Achorutes pseudarmatus* Maynard (1391) p. 217; New York.
1933. *Achorutes pseudarmatus* Mills and Rolfs (1431) p. 78; Washington.
1942. *Achorutes pseudarmatus* Scott (1796) p. 177; West U.S.A.
1944. *Hypogastrura pseudarmata* Gisin (854) p. 11; North America.
1946. *Achorutes pseudarmatus* Pearse (1575) p. 139; Ecology; South Carolina.
1948. *Achorutes pseudarmatus* Spencer (1851) p. 22; Canada.
1950. *Achorutes pseudarmatus* Knowlton (1185) p. 96; Agric. pest, Utah.
1951. *Hypogastrura (Ceratophysella) pseudarmata* Maynard (1393) p. 46; New York.
1956. *Hypogastrura pseudarmata* Spencer (1853) p. 11; Habits; Swarming.
1959. *Hypogastrura pseudarmata* Wilkey (2350) p. 222; California.
1960. *Hypogastrura pseudarmata* Yosii (2409) p. 261, figs. 4, 24–29; Massachusetts.

Hypogastrura punctata (Coleman) 1941

1941. *Achorutes punctatus* Coleman (458) p. 2, figs. 1–4; California.

Hypogastrura *purpurescens (Lubbock) 1868

1868. *Achorutes purpurescens* Lubbock (1316) p. 302, Pl. XXII, figs. 24–26; Britain.
1869. *Achorutes purpurascens* Tullberg (2001) p. 8; Scandinavia; Systematics.
1871. *Achorutes purpurascens* Tullberg (2002) p. 153; Sweden.
1872. *Achorutes purpurascens* Tullberg (2003) p. 51, Pl. XI, figs. 1 to 3; Scandinavia.
1873. *Achorutes purpurescens* Lubbock (1318) p. 181, Pl. XLI; Europe.
1873. *Achorutes purpurascens* McIntire (1353) p. 6; Britain.
1876. *Achorutes purpurascens* Reuter (1628) p. 83; Finland.
1878. *Achorutes purpurescens* Parona (1557) p. 606; Italy.
1880. *Achorutes purpurascens* Haller (962) p. 2; Europe.
1882. *Achorutes purpurescens* Tomosvary (1983) p. 124; Hungary.
1883. *Achorutes purpurescens* Parona (1558) p. 463; Italy.
1884. *Achorutes purpurescens* Brook (293) p. 13; England.
1888. *Achorutes purpurascens* Dalla Torre (497) p. 158; Tyrol.
1888. *Achorutes purpurascens* Parona (1563) p. 144; Liguria.
1891. *Achorutes purpurascens* Parfitt (1550) p. 347; England.
1893. *Achorutes purpurascens* Schött (1765) p. 84; Sweden and distr.
1895. *Achorutes purpurescens* Parona (1565) p. 700; Argentina.
1895. *Achorutes purpurascens* Reuter (1643) p. 30, Pl. 1, fig. 6; Finland.
1896. *Achorutes purpurascens* Schaeffer (1735) p. 174, Pl. III, figs. 54–56; Germany.
1897. *Achorutes purpurascens* Poppe and Schaeffer (1607) p. 267; Germany.
1897. *Achorutes purpurascens* Schaeffer (1736) p. 12; Magellan Strait; Tierra del Fuego.
1899. *Achorutes purpurascens* Carpenter and Evans (402) p. 255; Scotland.
1900. *Achorutes carolinae* Schaeffer (1739) p. 250; Germany.
1900. *Achorutes purpurascens* Schaeffer (1739) p. 249; Germany.
1900. *Achorutes purpurascens* Vellay (2056) p. 21; Hungary.
1901. *Achorutes purpurescens* Absolon (11) p. 38; Czechoslovakia.
1901. *Achorutes purpurascens* Absolon (12) p. 106; Locality.
1901. *Achorutes purpurascens* Börner (231) p. 339; Germany.

* The author uses the spelling *purpurescens* in his original description and this must be accepted in place of the more frequent spelling of later workers of *purpurascens*. Either spelling could be correct but the original citation of the word must be adhered to according to the rules of nomenclature.

1901. *Achorutes purpurascens* Börner (234) p. 29, fig. 13; Europe.
1901. *Achorutes purpurascens* Boyd (268) p. 317; Scotland.
1901. *Achorutes purpurascens* Evans (740) p. 153; Scotland.
1901. *Achorutes purpurascens* Krausbauer (1204) p. 87; Germany.
1902. *Achorutes purpurascens* Börner (235) p. 102, fig. 7; Europe.
1902. *Achorutes purpurascens* Schött (1772) p. 8, Pl. I, figs. 5a, b, c; Arctic.
1902. *Achorutes purpurescens* Voights (2067) p. 523; Germany.
1902. *Achorutes purpurascens* Willem (2133) p. 278; Belgium.
1903. *Achorutes purpurascens* Ågren (55) p. 121; Ad. descr., Sweden.
1903. *Achorutes purpurascens galiciana* Börner (239) p. 130; Galicia; Cf. Stach (1887).
1904. *Achorutes purpurascens* Ågren (56) p. 4; Ad. descr., Lapland.
1905. *Achorutes purpurascens* Axelson (81) p. 25; Tvärminne, Finland.
1905. *Achorutes purpurascens* Axelson (82) p. 6; Revals, Russia.
1906. *Achorutes pseudopurpurascens* Lie-Pettersen (1284) p. 56; Norway.
1906. *Achorutes purpurascens* Lie-Pettersen (1284) p. 56; Norway.
1906. *Achorutes purpurascens* Wahlgren (2080) p. 244, fig. 6; Sweden.
1907. *Achorutes purpurascens* Axelson (83) p. 127; Finland.
1908. *Achorutes purpurascens* Evans (741) p. 198; Scotland.
1908. *Hypogastrura purpurascens* Schille (1755) p. 6; Poland.
1910. *Achorutes purpurascens* Bagnall (102) p. 498; Britain.
1910. *Achorutes purpurescens* Collinge and Shoebotham (472) p. 99, fig. 1; England.
1910. *Achorutes purpurescens* Theobald (1964) p. 184; Gen. Economics.
1911. *Achorutes purpurascens* Axelson (1291) p. 5; Norway.
1912. *Hypogastrura purpurascens* Axelson (1292) p. 27, Pl. III, figs. 9–13; Finland.
1912. *Achorutes purpurascens* Enderlein (725) p. 127; Tierra del Fuego.
1912. *Achorutes purpurascens* Schille (1756) p. 3; Galicia.
1913. *Achorutes purpurascens* Cameron (345) p. 175; England; Soil ecology.
1914. *Achorutes purpurascens* Shoebotham (1820) p. 60; Ireland.
1916. *Hypogastrura purpurascens* Bartholin (149) p. 182; Denmark.
1917. *Hypogastrura purpurascens* Latzel (1249) p. 234; Austria.
1917. *Hypogastrura purpurescens* Shoebotham (1823) p. 220; England.
1918. *Achorutes purpurescens* Brown (296) p. 185; England.
1919. *Achorutes purpurescens* Brown (297) p. 64; England.
1919. *Hypogastrura purpurascens* Wahlgren (2089) p. 750; Sweden.
1921. *Achorutes purpurescens* Brown (300) p. 130; Swarming.
1922. *Hypogastrura purpurascens* Latzel (1250) p. 52; Alps, Austria; Tyrol; North Europe.
1923. *Hypogastrura purpurescens* Brown (302) p. 261; England.
1923. *Hypogastrura purpurascens* Womersley (2147) p. 30; S.W. England.
1924. *Hypogastrura purpurascens* Denis (614) p. 254; France.
1924. *Hypogastrura purpurascens* Handschin (981) p. 91, fig. 2; Switzerland.
1924. *Achorutes purpurascens* Houlbert (1078) p. 75; Brief descr.
1924. *Achorutes purpurescens* Thompson (1970) p. 361; Ecology.
1925. *Hypogastrura purpurascens* Denis (617) p. 210; Italy.
1925. *Hypogastrura purpurascens* Denis (620) p. 254; North Africa.
1925. *Hypogastrura purpurascens* Womersley (2148) p. 167; S.W. England.
1926. *Hypogastrura purpurascens* Womersley (2153) p. 217; S.W. England.
1927. *Achorutes purpurescens* Morris (1457) p. 446; Ecology.
1927. *Hypogastrura purpurascens* Strebel (1911) p. 260; Europe.
1928. *Hypogastrura purpurascens* Handschin (1005) p. 5; Algeria.
1928. *Hypogastrura purpurascens* Jackson (1121) p. 301; England.
1928. *Hypogastrura purpurascens* Remy (1624) p. 51; Greenland.
1928. *Hypogastrura purpurascens* Remy (1625) p. 60; Greenland; Europe; Algeria.
1928. *Hypogastrura purpurascens* Strebel (1912) p. 135; Physiology.
1928. *Hypogastrura pseudopurpurascens** Womersley (2156) p. 593, figs. 1–4; Britain.
1929. *Hypogastrura purpurascens* Handschin (1008) p. 25; Germany; Finland.
1929. *Achorutes purpurascens* Strebel (1913) p. 97; Physiology.
1929. *Hypogastrura purpurascens* Strebel (1913) p. 97; Physiology.
1929. *Achorutes purpurascens* Stach (1869) p. 280; Hungary; South America; Subantarctic.
1930. *Achorutes purpurascens* Mills (1414) p. 392.
1930. *Hypogastrura pseudopurpurascens* Womersley (2168) p. 166; Ireland.
1930. *Hypogastrura purpurascens* Womersley (2168) p. 166; Ireland.
1931. *Achorutes purpurascens* Bonet (205) p. 374; Westfalia; Hungary; Czechoslovakia in caves.
1931. *Hypogastrura purpurascens* Denis (639) p. 202; List of references.
1931. *Hypogastrura purpurascens* Lindroth (1286) p. 126; Iceland.
1932. *Hypogastrura purpurescens* Lengersdorf (1273), p. 52; Switzerland, caves.

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* *H. pseudopurpurascens.* Womersley in describing this species states that *H. purpurescens* Lubbk. has all the tenent hairs of the foot in line whereas his species (*pseudopurpurascens*) has the central and lateral ones arising at different heights on the tibiotarsus. Lubbock, however, in his original description of *H. purpurescens,* describes and figures these hairs arising at two distinct levels on the tibiotarsus. I consider then that *pseudopurpurascens* = *purpurescens* as also does Stach (1887) pp. 46–47.

1932. *Hypogastrura purpurescens* Lengersdorf (1274) p. 63; Switzerland, caves.
1932. *Hypogastrura purpurescens* Strebel (1911) p. 260; Physiology.
1933. *Hypogastrura purpurascens* Bonet (209) p. 128; Argentina.
1933. *Achorutes purpurescens* Folsom (802) p. 936; Agric. pest.
1933. *Hypogastrura purpurescens* Griepenburg (940) p. 29; Germany.
1933. *Hypogastrura purpurascens* Schubert (1787) p. 267; Ecology.
1933. *Hypogastrura pseudopurpurescens* Turk (2007) p. 93; Britain.
1933. *Hypogastrura pseudopurpurascens* Womersley (2176) p. 53, text-fig. 1f; Australia.
1933. *Hypogastrura purpurascens* Womersley (2176) p. 52; Descr., Australia.
1934. *Hypogastrura purpurascens* Davies (522) p. 117; Wales.
1934. *Hypogastrura purpurascens* Durkop (707) p. 493; Finland; Germany.
1934. *Hypogastrura purpurascens* Jorgensen (1145) p. 7; Greenland.
1934. *Hypogastrura pseudopurpurascens* Womersley (2177) pp. 445, 467; Capetown, South Africa; Europe.
1934. *Hypogastrura purpurascens* Womersley (2177) p. 467; Europe; Algeria.
1935. *Hypogastrura purpurescens* Griepenburg (942) p. 22; Germany.
1935. *Hypogastrura purpurescens* Pax & Maschke (1573) p. 12; Europe.
1935. *Hypogastrura purpurascens* Schubert (1790) p. 97; Europe.
1935. *Hypogastrura purpurascens* Schubert (1791) pp. 202, 369; Germany.
1936. *Hypogastrura purpurascens* Nordberg (1500) p. 34; Ecology.
1936. *Hypogastrura purpurascens* Stammer (1900) p. 211; Schneeberghöhle.
1936. *Hypogastrura pseudopurpurascens* Womersley (2183) p. 317; New Zealand.
1937. *Hypogastrura purpurascens* Denis (663) p. 54; Italy, caves.
1937. *Hypogastrura purpurascens* Frenzel (828) p. 295; Ecology.
1937. *Hypogastrura purpurascens* Kseneman (1217) p. 465; Carpathians.
1937. *Hypogastrura purpurescens* Schimitschek (1757) p. 220; Ecology.
1937. *Hypogastrura purpurascens* Womersley (2185) p. 2; Macquarie I.
1938. *Hypogastrura purpurascens* Denis (665) p. 120; Italy.
1938. *Hypogastrura purpurascens* Hammer (968) p. 9; East Greenland.
1938. *Hypogastrura purpurescens* Lengersdorf (1276) pp. 145 and 146; Germany.
1939. *Hypogastrura purpurescens* Griepenburg (943) p. 21; Germany.
1939. *Achorutes purpurescens* Thomas (1969) p. 19; Ecology.
1939. *Hypogastrura pseudopurpurascens* Womersley (2190) p. 91, fig. 40 R; South Australia.
1939. *Hypogastrura purpurascens* Womersley (2190) p. 89, figs. 40 P–Q; South Australia.
1940. *Achorutes brittannicus* Bagnall (122) p. 168; Britain.
PARATYPES: Brit. Mus. Nat. Hist., London.
1941. *Achorutes pseudopurpurascens* Salmon (1676) p. 291, figs. 44–45; Systematics, New Zealand.
1942. *Hypogastrura purpurascens* Haarlon (954) p. 43; Greenland.
1942. *Hypogastrura purpurascens* Marlier (1375) p. 8; Belgium.
1942. *Hypogastrura purpurescens* Muhlmann (1467) p. 193; Europe.
1942. *Hypogastrura purpurascens* Womersley (2193) p. 23; New Zealand.
1943. *Hypogastrura brittanica* Gisin (853) p. 140; Switzerland.
1943. *Hypogastrura purpurascens* Agrell (47) p. 124; Sweden.
1943. *Achorutes pseudopurpurascens* Salmon (1680) p. 375; New Zealand.
1944. *Hypogastrura brittanica* Gisin (855) p. 4, fig. 1; Switzerland.
1944. *Hypogastrura purpurascens* Hammer (969) p. 61; Lapland; Greenland; Iceland; Finland; Europe.
1944. *Hypogastrura purpurascens* Tuxen (2010) p. 175; Iceland.
1945. *Hypogastrura purpurascens* Agrell (50) pp. 10, 11; Habitats—Sweden, Norway, Finland.
1947. *Hypogastrura purpurascens* Delamare-Deboutteville (550), p. 126; France.
1947. *Hypogastrura purpurascens pseudopurpurascens* Delamare-Deboutteville (550) p. 126; France.
1949. *Podurhippus pseudopurpurascens* Salmon (1689) p. 10; Campbell Island.
1949. *Neogastrura brittanica* Stach (1887) p. 41; England; Scotland; Ireland.
1949. *Neogastrura purpurescens* Stach (1887) p. 101, Pl. XI; Systematics; Poland; West Ukraine; Czechoslovakia; Hungary; Austria; Germany; Yugoslavia.
1949. *Hypogastrura purpurascens* Strenzke (1922) p. 205; Germany; Ecology.
1950. *Hypogastrura purpurascens* Del. Deb. (570) p. 281; Cosmopolitan.
1953. *Hypogastrura brittanica* Goto (916) p. 177, figs. 1-3; Britain.
1953. *Hypogastrura purpurescens* Ruppel (1670) p. 435; Physiology.
1955. *Hypogastrura purpurascens* Cassagnau (421) p. 1; Morphology.
1955. *Hypogastrura purpurascens* Stach (1893) p. 96; figs. 258 and 259; Cosmopolitan.
1955. *Hypogastrura purpurascens* Strenzke (1926) p. 19; North Europe.
1956. *Hypogastrura purpurascens* Paclt (1541) pp. 12, 105, 123; Biology.
1957. *Hypogastrura purpurascens* Bodvarsson (2252) p. 8; Iceland.
1957. *Hypogastrura purpurascens* Kuhnelt (1224) p. 92; Ecology.
1957. *Hypogastrura purpurascens* Paclt (1543) p. 5; Europe.
1957. *Hypogastrura purpurascens* Paclt (1544) p. 270; Czechoslovakia.
1958. *H.* (*Hypogastrura*) *purpurascens* Grindbergs (2277) p. 190; Latvia.
1958. *Neogastrura purpurascens* Grindbergs (2275) p. 11; Latvia.
1959. *Hypogastrura purpurascens* Cassagnau (2256) p. 1362, figs. B & C.
1959. *Hypogastrura purpurescens* Cassagnau (2261), p. 478; Systematics.
1959. *H.* (*Hypogastrura*) *purpurascens* Lawrence (2294) p. 117; Britain.
1959. *H.* (*Hypogastrura*) *purpurascens* Paclt (2316) p. 1; South Africa.

1959. *Hypogastrura purpurascens* Stach (1896) p. 18; Poland.
1959. *Hypogastrura purpurascens* Strebel (2344) pp. 92-94; Europe.
1960. *Hypogastrura (Neogastrura) purpurescens* Bodvarsson (2412) p. 174; The Faroes.
1960. *Hypogastrura purpurescens* Gisin (2271) p. 41, figs. 89, 90; Europe; Greenland.
1960. *Hypogastrura purpurescens simoneti* Gisin (2271) p. 41, fig. 91; Physiological variety.
1960. *Hypogastrura purpurescens* Gisin (2371) p. 311, fig. 2; Europe.
1960. *H. (Hypogastrura) purpurascens* Grindbergs (2373) p. 25; U.S.S.R.
1960. *Hypogastrura purpurascens* Milne (2384) p. 137; life history.
1962. *Hypogastrura brittanica* Lawrence (2497) p. 144; Synonymy.

Hypogastrura purpurescens aurea (Borner) 1901

TYPE: Deutsch. Entom. Inst., Berlin.
1901. *Achorutes purpurascens aurea* Borner (234) p. 30; Germany.
1932. *Hypogastrura purpurescens aurea* Lengersdorf (1273) p. 53; Swiss caves.
1938. *Hypogastrura purpurascens aurea* Kseneman (1220) p. 7; Europe; America; Subantarctic.
1947. *Hypogastrura purpurascens aurea* Del. Deb. (550) p. 126; France.
1949. *Lubbockiella aureus* Bagnall (130) p. 54; Britain.
1956. *Hypogastrura purpurascens aurea* Paclt (1541) p. 12; Biology.
1958. *H. (Hypogastrura) purpurascens aurea* Grindbergs (2276) p. 190; Latvia.

Hypogastrura purpurescens carolinae (Schaeffer) 1900

1900. *Achorutes carolinae* Schaeffer (1739) p. 250; figs. 4–7; Germany.
1907. *Achorutes purpurascens carolinae* Axelson (83) p. 127; Finland.
1912. *Hypogastrura purpurascens carolinae* Axelson (1292) p. 28; Finland.

Hypogastrura purpurescens cunicularis Latzel, 1917

1917. *Hypogastrura purpurascens cunicularis* Latzel (1249) p. 233; Austria.
1922. *Hypogastrura purpurascens cunicularis* Latzel (1250) p. 52; Austria.

Hypogastrura purpurescens galiciana (Borner) 1903

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1903. *Achorutes purpurascens galiciana* Borner (239) p. 130; Poland.
1908. Achorutes purpurascens galiciana Schille (1755) p. 6; Poland.

Hypogastrura purpurescens inermis Borner, 1901

TYPE: Deutsch. Entom. Inst., Berlin.
1901. *Achorutes purpurascens inermis* Borner (234) p. 30; Central Europe.
1907. *Achorutes purpurascens inermis* Axelson (83) p. 127; Finland.
1912. *Hypogastrura purpurascens inermis* Axelson (1292) p. 29; Finland.
1919. *Achorutes purpurescens inermis* Brown (297) p. 64; England.

Hypogastrura purpurescens littoralis (Axelson) 1907

1903. *Achorutes purpurascens galiciana* Borner (239) p. 130, Poland; Cf. Axelson (1292).
1904. *Achorutes propinquus* Carpenter and Evans (403) p. 217, Pl. IV, figs. 10–14; Britain; Cf. Axelson (1292).
1907. *Achorutes purpurascens littoralis* Axelson (84) p. 16; Russia.
1912. *Hypogastrura purpurascens littoralis* Axelson (1292) p. 29, Pl. III, figs. 9–13; Synonymy; Finland.
1934. *Hypogastrura purpurascens littoralis* Durkop (707) p. 493; Finland.
1949. *Lubbockiella litoralis* Bagnall (130) p. 54; Britain.

Hypogastrura purpurescens pallens (Willem) 1902

1902. *Achorutes purpurascens pallens* Willem (2133) p. 278; Belgium.
1931. *Achorutes purpurascens pallens* Bonet (205) p. 374; Belgium.
1942. *Achorutes purpurascens pallescens* Marlier (1375) p. 8; Belgium.

Hypogastrura purpurescens trispina (Axelson) 1905

1905. *Achorutes purpurascens trispina* Axelson (80) p. 788; Finland.
1907. *Achorutes purpurascens trispina* Axelson (83) p. 127; Finland.
1912. *Hypogastrura purpurascens trispina* Axelson (1292) p. 28; Finland.
1925. *Hypogastrura purpurascens trispina* Womersley (2148) p. 167; S.W. England.
1928. *Hypogastrura pseudopurpurascens trispina* Womersley (2156) p. 595; Britain.
1933. *Hypogastrura pseudopurpurascens tigrina* Turk (2007) p. 93 *lapsus calami* ?
1933. *Hypogastrura purpurescens trispina* Turk (2007) p. 93; Britain.
1936. *Hypogastrura purpurescens trispina* Nordberg (1500) p. 34; Ecology.
1937. *Hypogastrura purpurascens trispina* Frenzel (828) p. 314; Ecology.

Hypogastrura pyrenaica Cassagnau, 1959

TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Ceratophysella pyrenaica* Cassagnau (2261) p. 500, figs. 4, 12; France.
1960. *Ceratophysella pyrenaica* Gisin (2371) p. 311; Taxonomy.

Hypogastrura quadripunctata (Ionesco) 1923. *nom. nov.*

TYPE: Mus. Hist. Natur., Geneva.
1923. *Beckerella quadriocellata* Ionesco (1108) p. 377, fig. 2; Meridional Carpathians.
1944. *Hypogastrura quadripunctata* Gisin (854) p. 14; Roumania.
1947. *Mesachorutes joneseoi* Del. Deb. (548) p. 405; Roumania.
1955. *Hypogastrura quadripunctata* von Torne (1989) p. 151; Austria.
1955. *Mesachorutes jonescoi* von Torne (1989) p. 151; Austria.

Hypogastrura quadripunctata tiroliensis von Torne, 1955

TYPE: Mus. Hist. Natur., Geneva.
1955. *Hypogastrura quadripunctata tiroliensis* von Torne (1989) p. 153; Austria.

1958. *Hypogastrura quadripunctata tiroliensis* von Torne (1993) pp. 659, 675; Austria.

Hypogastrura quinquesetosa Gisin, 1958

TYPE: Mus. Hist. Natur., Geneva.
1958. *Hypogastrura (Ceratophysella) quinquesetosa* Gisin (902) p. 88, figs. 6–8; Italy.
1960. *Hypogastrura quinquesetosa* Gisin (2271) p. 46, figs. 101 and 102.

Hypogastrura recta Cassagnau, 1959

TYPE: Author's Pers. Colln., Lab. Zool., Fac. Sci., Toulouse, France.
1959. *Ceratophysella recta* Cassagnau (2261) p. 497, fig. 10; France.
1960. *Ceratophysella recta* Gisin (2371) p. 311; Taxonomy.

Hypogastrura rehi Borner, 1906

1906. *Hypogastrura rehi* Börner (243) p. 166; Brazil.
1949. *Neogastrura rehi* Stach (1887) p. 25; Systematics.

Hypogastrura reuteri (Ågren) 1903

1869. *Achorutes manubrialis* Tullberg (2001) p. 9; Scandinavia; Cf. Axelson (1292).
1876. *Achorutes manubrialis* Reuter (1628) p. 82; Finland; Cf. Axelson (1292).
1895. *Achorutes manubrialis* Reuter (1643) p. 30, Pl. II, fig. 7; Finland; Cf. Axelson (1292).
1903. *Achorutes reuteri* Ågren (55) p. 123, figs. 4 and 5; Sweden.
1905. *Achorutes reuteri* Axelson (81) p. 25; Tvärminne, Finland.
1906. *Achorutes reuteri* Wahlgren (2080) p. 244; Sweden.
1907. *Achorutes reuteri* Axelson (83) p. 127; Finland.
1912. *Hypogastrura reuteri* Axelson (1292) p. 24, Pl. II, figs. 22–26, Pl. III, fig. 1; Systematics, Finland.
1949. *Hypogastrura reuteri* Strenzke (1922) p. 205; Ecology, Germany.

Hypogastrura ripperi Gisin, 1952

TYPE: Mus. Hist. Natur., Geneva.
1952. *Hypogastrura ripperi* Gisin (850) p. 543; Switzerland.
1957. *Hypogastrura ripperi* Gisin (899) p. 460; Switzerland; France.
1960. *Hypogastrura ripperi* Gisin (2271) p. 35; Switzerland; France; Austria.

Hypogastrura rossi (Salmon) 1941

TYPE: Dom. Mus., Wellington, N.Z.
1941. *Achorutes rossi* Salmon (1676) p. 293, Pl. 41, figs. 39–41; New Zealand.
1943. *Achorutes rossi* Salmon (1680) p. 375; New Zealand.

Hypogastrura rubripes (Koch) 1840

1840. *Achoreutes rubripes* Koch (1187) p. 358; Europe.

Hypogastrura rufescens (Nicolet) 1842

1842. *Podura rufescens* Nicolet (1493) p. 57, fig. 7; Europe.
1844. *Achorutes rufescens* Gervais (841) p. 437; Switzerland.
1844. *Podura rufescens* Lucas (1327) p. 292; Reference list.
1847. *Achorutes rufescens* Nicolet (1496) p. 378; Switzerland.
1868. *Achorutes rufescens* Lubbock (1316) p. 303; England.
1869. *Achorutes rufescens* Tullberg (2001) p. 10; Scandinavia.
1871. *Achorutes rufescens* Tullberg (2002) p. 153; Sweden.
1872. *Achorutes rufescens* Tullberg (2003) p. 51, Pl. X, figs. 26 and 27; Sweden.
1873. *Achorutes rufescens* Lubbock (1318) p. 181; Synonymy, Europe.
1880. *Achorutes rufescens* Haller (962) p. 3; Europe.
1891. *Achorutes rufescens* Parfitt (1550) p. 346; England.
1893. *Achorutes rufescens* Schött (1765) p. 84; England; Switzerland.
1899. *Achorutes rufescens* Carpenter and Evans (402) p. 256, Pl. V, fig. 8, Pl. VIII, figs. 19–22; Scotland.
1903. *Achorutes rufescens* Ågren (55) p. 121, fig. 1; Sweden.
1905. *Achorutes rufescens* Becker (160) p. 87, fig. 8; Moscow.
1906. *Achorutes rufescens* Wahlgren (2080) p. 242, fig. 8; Swedish Lapland.
1910. *Achorutes rufescens* Collinge and Shoebotham (472) p. 100; England.
1910. *Achorutes rufescens* Theobald (1964) p. 175; Gen. Economics.
1923. *Hypogastrura rufescens* Womersley (2147) p. 30; S.W. England.
1924. *Achorutes rufescens* Houlbert (1078) p. 75; Europe.
1929. *Achorutes rufescens* Kel'schtein (1160) p. 248; Russia.
1930. *Achorutes rufescens* Mills (1414) p. 392; Economics.
1933. *Hypogastrura rufescens* Turk (2007) p. 93; Britain.
1934. *Podura rufescens* Perrier (1576) p. 34 and fig.; France.
1939. *Achorutes rufescens* Thomas (1969) p. 19; Ecology.
1943. *Hypogastrura rufescens* Agrell (47) p. 124; Sweden.
1950. *Hypogastrura rufescens* Del.-Deb. (571) p. 281; Europe.

Hypogastrura sahlbergi (Reuter) 1895

1895. *Achorutes Sahlbergi* Reuter (1643) p. 31, Pl. II, fig. 9; Finland.
1896. *Achorutes schneideri* Schaeffer (1735) p. 173, figs. 30, 49; Germany; Cf. Womersley (2177).
1905. *Achorutes schneideri* Becker (160) p. 85; Russia.
1906. *Achorutes sahlbergi* Axelson (82) p. 6; Revals, Russia.
1907. *Achorutes sahlbergi* Axelson (83) p. 127; Finland.
1912. *Hypogastrura sahlbergi* Axelson (1292) p. 25, Pl. III, figs. 3–8; Systematics, Finland.
1919. *Hypogastrura sahlbergi* Handschin (977) p. 70; Russia; Finland; Germany; Switzerland; Central Alps.
1924. *Hypogastrura sahlbergi* Handschin (981) p. 91; Switzerland.
1926. *Hypogastrura sahlbergi* Stirnimann (1907) p. 251; Ecology.
1929. *Hypogastrura sahlbergi* Handschin (1008) p. 22, fig. 21; Germany; Russia; Finland; Switzerland.
1931. *Hypogastrura sahlbergi* Denis (639) p. 203; Germany.
1934. *Hypogastrura sahlbergi* Durkop (707) p. 491; Russia; Finland; Germany.
1934. *Hypogastrura sahlbergi* Womersley (2177) p. 446; Synonymy, South Africa.
1939. *Achorutes sahlbergi* Agrell (44) p. 159; Sweden; Finland; Russia; Germany; Switzerland.

1940. *Achorutes sahlbergi* Bagnall (122) p. 166; Britain.
1941. *Hypogastrura sahlbergi* Agrell (46) p. 19; Swedish Lapland.
1942. *Hypogastrura sahlbergi* Marlier (1375) p. 8; Belgium.
1943. *Hypogastrura sahlbergi* Agrell (47) p. 123; Sweden.
1948. *Hypogastrura sahlbergi* Gisin (872) p. 388; Systematics.
1949. *Neogastrura sahlbergi* Stach (1887) p. 33; Germany; Finland; Lettland; Switzerland.
1955. *Hypogastrura (H.) sahlbergi* Strenzke (1926) p. 19; North Europe.
1956. *Hypogastrura sahlbergi* Paclt (1541) p. 12; Biology.
1958. *H. (Hypogastrura) sahlbergi* Grindbergs (2277) p. 190; Latvia.
1959. *H. (Hypogastrura) sahlbergi* Paclt (2316) p. 26; South Africa.
1959. *Hypogastrura sahlbergi* Stach (1896) p. 69; Alpine; Boreal.
1960. *Hypogastrura sahlbergi* Gisin (2271) p. 39, fig. 87; Lapland.
1960. *H. (Hypogastrura) sahlbergi* Grindbergs (2373) p. 24; U.S.S.R.

Hypogastrura sahlbergi rosea Womersley, 1934

PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Hypogastrura sahlbergi rosea* Womersley (2177) p. 446; South Africa.
1956. *Hypogastrura sahlbergi rosea* Paclt (1541) p. 12; Biology.

Hypogastrura schaefferi (Lucas, 1846) (Carl) 1901

1846. *Achorutes affinis* Lucas (718) p. 252; North Africa.
1900. *Achorutes affinis* Schaeffer (1739) p. 250; Germany; Cf. Stach (1887).
1901. *Achorutes schäfferi* Carl (354) p. 253; Switzerland.
1911. *Achorutes schaefferi* Shoebotham (1819) p. 33; England.
1931. *Hypogastrura schaefferi* Denis (639) p. 203; Germany.
1949. *Neogastrura schaefferi* Stach (1887) p. 32; Systematics, Germany.

Hypogastrura schneideri (Schaeffer) 1896

1896. *Achorutes schneideri* Schaeffer (1735) p. 173, Pl. III, fig. 49; Germany.
1897. *Achorutes schneideri* Poppe and Schaeffer (1607) p. 266; Germany.
1902. *Achorutes schneideri* Becker (158) p. 24, fig. 8; Russia.
1903. *Achorutes schneideri* Guthrie (951) p. 91, Pl. X, figs. 9–12, Pl. XI, figs. 1 and 2; Minnesota.

Hypogastrura schoetti (Reuter) 1895

1895. *Achorutes schötti* Reuter (1643) p. 31, Pl. II, fig. 8; Finland.
1899. *Achorutes schötti* Carl (352) p. 296, Pl. 8, figs. 18 and 19; Switzerland.
1901. *Achorutes schötti* Carl (354) p. 252; Switzerland.
1901. *Achorutes schötti* Krausbauer (263) p. 86, fig. 80; Germany.
1903. *Achorutes schötti* Guthrie (951) p. 93, Pl. X, figs. 17–19, Pl. XI, fig. 4; Minnesota.
1907. *Achorutes schöttii* Latzel (1248) p. 162; Austria.
1930. *Achorutes schötti* Kel'shtein (1161) p. 76; Russia.

Hypogastrura schupplii (Haller) 1880

1880. *Achorutes schupplii* Haller (962) p. 3; Europe.
1889. *Achorutes schupplii* Carl (352) p. 289, Pl. 8, figs. 10–17; Switzerland.

Hypogastrura scotti (Yosii) 1962

1962. *Ceratophysella scotti* Yosii (2572) p. 14, fig. 11; California.

Hypogastrura sensilis (Folsom) 1919

TYPE: National Colln. Insects, Ottawa, Canada.
1919. *Achorutes sensilis* Folsom (791) p. 5A, Pl. 2, figs. 12–18; Canada.
1932. *Hypogastrura sensilis* Brown (312) p. 339; Arctic.
1949. *Neogastrura sensilis* Stach (1887) p. 27; Canada.
1949. *Achorutes sensilis* Weber (2103) p. 121; Alaska.
1953. *Neogastrura sensilis* Hammer (972) pp. 11, 62; North Canada; Alaska; U.S.A.

Hypogastrura serrata (Ågren) 1904

1904. *Achorutes serratus* Ågren (56) p. 5, figs. 5–7; Sweden.
1906. *Achorutes serratus* Wahlgren (2080) p. 242; Sweden.
1911. *Achorutes serratus* Shoebotham (1819) p. 32; Staffordshire, England.
1919. *Hypogastrura serrata* Wahlgren (2089) p. 750; Sweden.
1943. *Hypogastrura serrata* Agrell (47) p. 124; Sweden.
1949. *Neogastrura serrata* Stach (1887) p. 24; Swedish Lapland.
1960. *Hypogastrura serratus* Gisin (2271) p. 34; Lapland; England.

Hypogastrura sigillata (Uzel) 1890

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1890. *Achorutes sigillatus* Uzel (2050) p. 70, Pl. II, figs. 20–24; Czechoslovakia.
1893. *Achorutes navicularis* Schött (1765) p. 83, Pl. VII, figs. 11–12; Finland; England; Germany; California.
1895. *Achorutes navicularis* Schäffer (1735) p. 172; Germany.
1895. *Achorutes sigillatus* Schäffer (1735) p. 172; Germany.
1899. *Achorutes sigillatus* Carl (352) p. 293, Pl. 8, figs. 4–6; Switzerland.
1900. *Achorutes sigillatus* Absolon (12) p. 105; Czechoslovakia.
1900. *Achorutes sigillatus* Absolon (12) p. 105, fig. 18; Czechoslovakia.
1900. *Achorutes sigillatus* Axelson (75) p. 109; Finland.
1900. *Achorutes sigillatus* Lecaillon (1258) p. 70;
1901. *Achorutes sigillatus* Carl (354) p. 251; Switzer- France.
land.
1901. *Achorutes sigillatus* Krausbauer (1204) p. 88; Germany.
1902. *Hypogastrura navicularis* Schött (1772) p. 67, Pl. I, fig. 3, Pl. II, figs. 1–4; Scandinavia.
1904. *Hypogastrura bengtssoni* Ågren (56) p. 2, figs. 1–4; Lapland.
1906. *Achorutes sigillatus* Axelson (82) p. 5, Revals, Russia.
1907. *Achorutes sigillatus* Axelson (83) p. 127; Finland.
1907. *Achorutes sigillatus* Axelson (84) p. 17; North Finland.
1907. *Achorutes sigillatus* Latzel (1248) p. 157; Austria.

1912. *Hypogastrura sigillata* Axelson (1292) p. 17; Finland.
1912. *Achorutes sigillatus* Schille (1756) p. 3; Galicia.
1919. *Hypogastrura bengtssoni* Handschin (977) p. 68; Switzerland.
1921. *Hypogastrura sigillata* Latzel (1250) p. 52; European Alps.
1922. *Hypogastrura sigillata stygia* Ionesco (1108) p. 377; Carpathians.
1924. *Hypogastrura bengtssoni* Denis (614) p. 254; France.
1924. *Hypogastrura bengtssoni* Handschin (981) p. 90; Switzerland.
1926. *Hypogastrura sigillata* Handschin (988) p. 42; Biology.
1928. *Hypogastrura sigillata* Handschin (1005) p. 4; Algeria.
1930. *Hypogastrura sigillata* Stach (1869) p. 279; Scandinavia; Poland; Europe.
1931. *Hypogastrura sigillata* Bonet (205) p. 374; Czechoslovakia.
1931. *Hypogastrura minuta* Denis (637) p. 1; Italy.
1931. *Hypogastrura minuta* Denis (640) p. 80; Italy.
1931. *Hypogastrura sigillata* Denis (637) p. 8; Italian caves.
1932. *Hypogastrura (Achorutes) sigillatus* Agrell (36) p. 128; Europe.
1934. *Hypogastrura sigillata* Womersley (2177) p. 467; Europe; Algeria.
1937. *Hypogastrura sigillata* Denis (663) p. 54; Italy.
1937. *Hypogastrura sigilata* Frenzel (828) p. 316; Ecology.
1938. *Hypogastrura sigillata* Denis (665) p. 120; Italy.
1943. *Hypogastrura sigillata* Gisin (853) p. 141; Switzerland.
1943. *Hypogastrura sigillata* Tarsia in Curia (1956) p. 46, fig. 1; Italy, caves.
1944. *Hypogastrura sigillata* Gisin (855) p. 5; Synonymy.
1947. *Hypogastrura sigillata* Delamare-Deboutteville (550) p. 126; France.
1949. *Ceratophysella sigillata* Stach (1887) p. 147, Pl. XVI; Europe; West Ukraine.
1953. *Ceratophysella sigillata* Hammer (972) p. 16; North Canada.
1955. *Ceratophysella sigillata* Stach (1893) p. 99, figs. 269–270; Poland; Switzerland; Czechoslovakia.
1956. *Hypogastrura sigillata* Bockemühl (193) p. 129; Spitzbergen.
1957. *Ceratophysella sigillata* Sachsse (2327) p. 54; Habits.
1958. *Hypogastrura sigillata* von Torne (1993) p. 659; Austria.
1960. *Hypogastrura sigillata* Gisin (2271) p. 44, fig. 96; European Alps.
1960. *H. (Ceratophysella) sigillata* Grindbergs (2373) p. 25; U.S.S.R.

Hypogastrura sigillata stygia (Absolon) 1900

1900. *Achorutes sigillatus stygius* Absolon (9) p. 268, fig. 4; Czechoslovakia.
1901. *Achorutes sigillatus stygia* Absolon (12) p. 105; Systematics.
1923. *Hypogastrura sigillata stygia* Ionesco (1108) p. 377; Carpathians.
1937. *Hypogastrura stygia* Frenzel (828) p. 316; Ecology.

Hypogastrura similata (Nicolet) 1842

1842. *Podura similata* Nicolet (1493) p. 56, Pl. 5, fig. 5; Switzerland; France.
1843. *Hypogastrura fusco-viridis* Bourlet (265) p. 37; Switzerland; France; Cf. Lubbock (1318)
1844. *Achorutes similatus* Gervais (841) p. 438; Switzerland.
1844. *Achorutes similatus* Lucas (1327) p. 295; Reference List.
1845. *Hypogastrura murorum* Bourlet (266) p. 67; Europe.
1845. *Podura syano-cephala* Bourlet (266) p. 67; Europe.
1845. *Podura cyano-cephala* Bourlet (266) p. 67; Europe.
1865. *Podura similata* Hermann (1047) p. 26; swarming on snow.
1870. *Podura similata* Henzi (1045) pp. XVII and XVIII; Systematics.
1873. *Achorutes similatus* Lubbock (1318) p. 178; Switzerland; France.
1875. *Podura similata* Parona (1556) p. 299; Italy.
1878. *Achorutes similatus* Parona (1557) p. 604; Italy.
1879. *Achorutes similatus* Brook (289) p. 107 (or 167); Britain.
1883. *Achorutes similatus* Parona (1558) p. 463; Italy.
1887. *Podura (Achorutes) similatus* Oudemans (1510) p. 64; Anatomy.
1888. *Achorutes similatus* Oudemans (1511) pp. 196, 198; Anatomy.
1907. *Podura similata* Latzel (1247) p. 69; Austria.
1933. *Hypogastrura assimilatus* Turk (2007) p. 93 *lapsus calami.*

Hypogastrura similis (Nicolet) 1847

1847. *Achorutes similis* Nicolet (1496) p. 379; Chile.
1849. *Achorutes similis* Nicolet (1497) p. 93; Chile.
1873. *Achorutes similis* Lubbock (1318) p. 184; Systematics.
1901. *Achorutes similis* Absolon (11) p. 38; Czechoslovakia.
1901. *Achorutes similis* Absolon (12) p. 105, figs. 16, 17. Systematics.
1937. *Hypogastrura similis* Frenzel (828) p. 316; Ecology.
1949. *Neogastrura similis* Stach (1887) p. 34; Moravia.
1960. *Hypogastrura similis* Gisin (2271) p. 39; Czechoslovakia.

Hypogastrura simoneti (Gisin) 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Ancistracanthella simoneti* Gisin (872) p. 394, figs. 3–4; Switzerland.

Hypogastrura speciosa (Rainbow) 1907

1907. *Achorutes speciosus* Rainbow (1617) p. 314, figs. 51, 52; Australia.

Hypogastrura spelaea (Joseph) 1882

1882. *Achorutes spelaeus* Joseph (1150) p. 29; Yugoslavia.
1960. *Achorutes spelaeus* Grindbergs (2373) p. 64; U.S.S.R.

Hypogastrura sphagni (Becker) 1905

1905. *Achorutes sphagni* Becker (160) p. 86, figs. 1–4; Moscow.
1949. *Ceratophysella sphagni* Stach (1887) p. 122; Moscow.
1960. *Hypogastrura sphagni* Gisin (2271) p. 53 ***sp. dub.***
1960. *H. (Ceratophysella) sphagni* Grindbergs (2373) p. 26; U.S.S.R.

Hypogastrura spinifer (Schaeffer) 1897

1897. *Achorutes spinifer* Schaeffer (1735) p. 174, fig. 51; Germany.
1901. *Achorutes spinifer* Absolon (11) p. 38; Czechoslovakia.
1901. *Achorutes spinifer* Absolon (12) p. 105; Systematics; East Europe.

1907. *Achorutes spinifer* Latzel (1247) p. 67; Austria.
1931. *Hypogastrura spinifer* Denis (639) p. 203; figs. 1–2; Germany.
1938. *Hypogastrura spinifer* Kseneman (1220) p. 7; Europe.
1949. *Neogastrura spinifer* Stach (1887) p. 22; Germany.

Hypogastrura spitsbergensis Stach, 1962

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1962. *Hypogastrura spitsbergensis* Stach (2558) p. 5, Pl. II, figs. 1–5; Spitzbergen.

Hypogastrura strenua (Brown) 1923

1923. *Achorutes strenuus* Brown (303) p. 325, figs. 1–5; England.
1926. *Hypogastrura strenuus* Womersley (2153) p. 218; S.W. England.
1933. *Hypogastrura strenuus* Turk (2007) p. 93; Britain.
1949. *Neogastrura strenua* Stach (1887) p. 33; Systematics; England.

Hypogastrura subboldorii Delamare Deboutteville, 1962

TYPE: Auth. Colln., Univ. Nancy, France.
1962. *Hypogastrura subboldorii* Delamare Deboutteville (2458) p. 667; Pyrenees.

Hypogastrura subterranea (Carl) 1906

1906. *Achorutes subterraneus* Carl (356) p. 614, Pl. 20, figs. 17–21; Italy.
1926. *Hypogastrura subterranea* Handschin (995) p. 132, figs. 8 a-i; Italy.
1929. *Hypogastrura subterranea* Handschin (1008) p. 26, fig. 28; Germany.

Hypogastrura succinea Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Hypogastrura succinea* Gisin (872) p. 393; Switzerland.
1953. *Hypogastrura succinea* Gisin (885) p. 229; Jan Mayen I.
1954. *Hypogastrura succinea* MacFadyen (1339) p. 289; Jan Mayen I.
1955. *Hypogastrura* (*Ceratophysella*) *succinea* Gisin (890) p. 141; Switzerland.
1955. *Hypogastrura* (*Ceratophysella*) *succinea* Strenzke (1926) p 20; Sweden.
1960. *Hypogastrura succinea* Gisin (2271) p. 47, fig. 104; Sweden; Switzerland; Germany; Jan Mayen I.

Hypogastrura tatrica (Stach) 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1949. *Neogastrura tatrica* Stach (1887) p. 81, Pl. VI; Poland.
1955. *Hypogastrura tatrica* Stach (1893) p. 96, figs. 255, 257; Poland.
1959. *Hypogastrura tatrica* Stach (1896) p. 18; Poland.
1960. *Hypogastrura tatrica* Gisin (2271) p. 39, fig. 120; Carpathians

Hypogastrura tergilobata Cassagnau, 1954

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1954. *Hypogastrura tergilobata* Cassagnau (419) p. 239, figs. A-F; France.
1960. *Hypogastrura tergilobata* Gisin (2271) p. 47, fig. 105; Corsica; Spain.

Hypogastrura texensis (Packard) 1873

TYPES: Mus. Comp. Zool., Harvard.
1873. *Achorutes texensis* Packard (1521) p. 31; Texas.
1891. *Achorutes texensis* MacGillivray (1341) p. 274; Texas.

Hypogastrura theelii (Tullberg) 1876

1876. *Achorutes theelii* Tullberg (2004) p. 38, Pl X, figs. 36–39; Arctic.
1893. *Achorutes theeli* Schött (1765) p. 84; Novaya Zemlya; Russia.
1893. *Achorutes Trybomi* Schött (1765) p. 82, Pl. VII, figs. 9, 10; Arctic.
1900. *Achorutes theeli* Schaeffer (1738) p. 243; Novaya Zemlya; Russia.
1900. *Achorutes theeli* Skorikow (1833) p. 198; Spitzbergen.
1900 *Achorutes theelii* Wahlgren (2077) p. 375; Novaya Zemlya; Russia.
1901. *Achorutes theelii* Krausbauer (1204) p. 87, figs. 81, 82; Germany.
1902. *Achorutes theelii* Schött (1772) p. 7, Pl. 1, figs. 4 a, b, c, Pl. II, fig. 6; Arctic.
1902. *Achorutes theeli* Skorikow (1835) p. 92; Spitzbergen.
1924. *Hypogastrura theeli* Schött (1776) p. 5; Novaya Zemlya; Russia.
1949. *Neogastrura theelii* Stach (1887) p. 32; Novaya Zemlya
1960. *H.* (*Hypogastrura*) *theelii* Grindbergs (2373) p. 24; U.S.S.R.

Hypogastrura theelii quadrispinosa (Schött) 1902

1902. *Achorutes theelii quadrispinosus* Schött (1772) p. 8; Arctic.

Hypogastrura theelii trispinosa (Schött) 1902

1902. *Achorutes theelii trispinosus* Schött (1772) p. 8; Arctic.

Hypogastrura thomomys (Chamberlain) 1943

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1943. *Achorutes thomomys* Chamberlain (431) p. 39; Montana.

Hypogastrura tigridis (Brown) 1926

1926. *Achorutes tigridis* Brown (305) p. 201, figs. 1–6; Mesopotamia.
1960. *Hypogastrura tigridis* Gisin (2271) p. 37; Mesopotamia.

Hypogastrura titahiensis (Salmon) 1943

TYPE: Dominion Mus., Wellington, New Zealand.
1943. *Achorutes titahiensis* Salmon (1680) p. 376, Pl. 40, figs. 12–21; New Zealand.
1956. *Hypogastrura titahiensis* Paviour-Smith (1570) p. 552; New Zealand.

Hypogastrura tolteca (Yosii) 1962

1962. *Ceratophysella tolteca* Yosii (2572) p. 7, fig. 5; Mexico.

Hypogastrura torneensis (Wahlgren) 1906

1906. *Achorutes torneensis* Wahlgren (2080) p. 243; Sweden.
1907. *Achorutes torneensis* Wahlgren (2082) p. 229, figs. 2 and 3; Sweden.
1919. *Hypogastrura torneensis* Wahlgren (2089) p. 750; Sweden.
1931. *Hypogastrura torneensis* Schött (1780) p. 70; Scandinavia.

Hypogastrura troglodites Yosii, 1956

TYPE: Author. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Hypogastrura troglodites* Yosii (2235) p. 11, text-fig. 4, Pl. 1, figs. 1–9; Japan.

Hypogastrura trybomi (Schött) 1893

1893. *Achorutes Trybomi* Schött (1765) p. 82, Pl. VII, figs. 9 and 10; Svyatovo Preobrashen I., Arctic Siberia.
1900. *Achorutes trybomi* Schaeffer (1738) p. 243; Svyatovo Preobrashen I., Arctic Siberia.

1949. *Neogastrura trybomi* Stach (1887) p. 28; Arctic Siberia; Systematics.
1953. *Neogastrura trybomi* Hammer (972) p. 12, figs. 1a-l; Revised descr.
1960. *Hypogastrura trybomi* Gisin (2271) p. 37; Arctic Siberia; North Canada.
1960. *H. (Hypogastrura) trybomi* Grindbergs (2373) p. 24; U.S.S.R.

Hypogastrura tuberculata Cassagnau, 1959

TYPE: Author. Colln., Lab. Zool., Fac. Sci., Toulouse, France.
1959. *Ceratophysella tuberculata* Cassagnau (2261) p. 494, fig. 9; France.

Hypogastrura tullbergi Schaeffer, 1900

1876. *Achorutes dubius* Tullberg (2004) p. 39, figs. 40–43; Arctic.
1889. *Achorutes dubius* Moniez (1440) p. 261; France.
1890. *Achorutes dubius* Uzel (2050) p. 3; Czechoslovakia.
1891. *Achorutes dubius* Moniez (1447) p. 70; France.
1891. *Achorutes dubius* Uzel (2050) p. 68; Bohemia.
1894. *Achorutes dubius* Schött (1765) p. 1; Arctic.
COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1895. *Achorutes dubius* Dalla Torre (498) p. 1; Siberia.
1896. *Achorutes dubius* Schaeffer (1735) p. 149, 4 Pl.; Hamburg.
1900. *Achorutes dubius* Skorikow (1833) p. 204; Spitzbergen.
1900. *Achorutes dubius concolor* Carpenter (368) pp. 272 and 277; figs. 1–11; Franz Josef Land.
1900. *Achorutes tullbergi* Schaeffer (1738) p. 244; Arctic.
1900. *Achorutes tullbergi concolor* Schaeffer (1738) p. 237; Arctic; Subantarctic.
1900. *Achorutes tullbergi* Schaeffer (1739) p. 245; Germany.
1900. *Achorutes dubius* Vellay (2056) p. 21; Hungary.
1902. *Achorutes dubius* Skorikow (1835) p. 98, figs. 3–4; Spitzbergen.
1905. *Achorutes dubius* Becker (160) p. 86, figs. 1–4; Moscow.
1907. *Achorutes tullbergi concolor* Wahlgren (2083) p. 4, figs. 1–4; Arctic.
1916. *Achorutes tullbergi* Folsom (787) p. 487, Pl. 12, figs. 67–73; North America; Taxonomy; Synonymy.
1919. *Achorutes tullbergi* Folsom (790) p. 272, Pl. 16, figs. 1–8; Greenland.
1919. *Achorutes tullbergi* Folsom (791) p. 4A, Pl. 1, figs. 4–10, Pl. 2, fig. 11; Arctic.
1922. *Achorutes tullbergi* Carpenter and Phillips (404) p. 18; Spitzbergen; Novaya Zemlya; Franz Josef Land; North Siberia; North America.
1924. *Hypogastrura dubia* Denis (614) p. 290; France.
1924. *Hypogastrura concolor* Schött (1776) p. 5; Novaya Zemlya.
1927. *Hypogastrura concolor* Carpenter (396) p. 194; Spitzbergen.
1928. *Hypogastrura tullbergi concolor* Remy (1625) p. 60; Greenland.
1928. *Hypogastrura concolor* Summerhayes and Elton (1939) p. 208; Spitzbergen.
1929. *Hypogastrura tullbergi* Bonet (200) p. 794; Spain.
1932. *Hypogastrura tullbergi* Brown (312) p. 339; Arctic.
1935. *Hypogastrura tullbergi* Axelson (1295) p. 138; Spitzbergen.
1936. *Hypogastrura tullbergi* Axelson (1297) p. 21; N.E. Greenland.
1938. *Hypogastrura tullbergi* Hammer (968) p. 7; East Greenland.
1939. *Achorutes tullbergi* Mills (1422) p. 159; North America.
1943. *Hypogastrura tullbergi* Gisin (853) p. 140; Switzerland.
1944. *Hypogastrura tullbergi* Hammer (969) p. 61; Novaya Zemlya; Arctic Siberia; Europe; North America; Greenland; Spitzbergen; Franz Josef Ld.
1949. *Neogastrura tullbergi* Stach (1887) p. 38; Northern Holarctic; Systematics.
1951. *Hypogastrura tullbergi* Maynard (1393) p. 44, Pl. V, figs. 78–81; New York.
1953. *Neogastrura tullbergi* Hammer (972) p. 16; North Canada.
1953. *Achorutes tullbergi* Mills and Richards (1430) p. 53; North Canada.
1954. *Neogastrura tullbergi* Hammer (974) p. 8; North Greenland.
1959. *Hypogastrura tullbergi* Stach (1896) p. 71; Spitzbergen.
1959. *Hypogastrura tullbergi* Wilkey (2350) p. 222; California.
1960. *Hypogastrura tullbergi* Gisin (2271) p. 42, figs. 94, 95.
1960. *H. (Hypogastrura) tullbergi** Grindbergs (2373) p. 25; U.S.S.R.
1962. *Hypogastrura browni* Lawrence (2482) p. 132; Synonymy.
73) perpetuates it.

Hypogastrura ulmea Maynard, 1951

TYPE: Author. Colln., Univ. of Rochester, U.S.A.
1951. *Hypogastrura ulmea* Maynard (1393) p. 38, Pl. III, figs. 46–51; New York.

Hypogastrura utahensis (Wray) 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Achorutes utahensis* Wray (2205) p. 4, figs. 1 T-W; North America.

Hypogastrura vernalis (Carl) 1901

COTYPE: Brit. Mus. Nat. Hist., London.
1895. *Achorutes manubrialis* Reuter (1643) p. 30; Cf. Stach (1861).
1901. *Achorutes vernalis* Carl (354) p. 249, figs. 4–8; Switzerland.
1903. *Achorutes reuteri* Ågren (55) p. 123, figs. 4 and 5; Sweden.
1907. *Achorutes vernalis* Latzel (1248) p. 157; Austria.
1919. *Hypogastrura vernalis* Handschin (977) p. 68; Systematics.
1922. *Hypogastrura vernalis* Stach (1861) p. 111, Pl. VIII, figs. 3–8; Albania.
1924. *Hypogastrura vernalis* Handschin (981) p. 91; Switzerland.
1926. *Achorutes tigridis* Brown (307) p. 333; England.
1926. *Hypogastrura vernalis* Handschin (988) p. 42; Biology.
1927. *Hypogastrura vernalis* Denis (629) p. 171; Italy.
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Hypogastrura vernalis* Bonet (200) p. 794; Spain.
1929. *Hypogastrura vernalis* Handschin (1008) p. 21, fig. 20; Germany; Switzerland; Sweden; Finland.
1930. *Hypogastrura vernalis* Stach (1869) p. 280; Sweden; Finland; Switzerland; Albania.

* Cf. *H. dubia* (Carp.) and *H. tullbergi concolor* Schaeffer. Schaeffer's species is affirmed in Schött (1776) and Grindbergs (2373) perpetuates it.

1930. *Hypogastrura vernalis* Womersley (2167) p. 149, figs. 1 and 2; England.
1932. *Hypogastrura vernalis* Durkop (706) p. 234; Germany.
1933. *Hypogastrura vernalis* Denis (646) p. 183; Italy.
1933. *Hypogastrura vernalis* Turk (2007) p. 92; Britain.
1934. *Hypogastrura vernalis* Durkop (707) p. 491; Scandinavia.
1935. *Hypogastrura vernalis* Denis (652) p. 330; Albania; Yugoslavia.
1938. *Hypogastrura vernalis* Kseneman (1220) p. 7; Europe.
1942. *Hypogastrura vernalis* Handschin (1012) p. 403; Mesopotamia; Palestine.
1943. *Hypogastrura vernalis* Agrell (46) p. 123; Sweden.
1945. *Hypogastrura vernalis* Agrell (50) p. 11; Norway; Habitats.
1946. *Hypogastrura vernalis* Del.-Deb. (542) p. 100; Portugal.
1947. *Hypogastrura vernalis* Del.-Deb. (550) p. 126; France.
1949. *Neogastrura vernalis* Stach (1887) p. 66, Pl. IV, pp. 1–11; Poland; Lithuania; Hungary; West Ukraine; Albania.
1952. *Neogastrura vernalis* Massera (1382) p. 29; Italy, caves.
1954. *Hypogastrura (H.) vernalis* Strenzke (1925) p. 49; Germany.
1955. *Hypogastrura vernalis* Gridelli (938) p. 38; Venice.
1955. *Hypogastrura vernalis* Stach (1893) p. 94, figs. 249–250; Europe.
1955. *Hypogastrura (H.) vernalis* Strenzke (1926) p. 19; Germany; Sweden; Finland.
1956. *Hypogastrura vernalis* Brinck, Dahl and Wieser (277) p. 124; Eastern Scania.
1957. *Hypogastrura vernalis* Strebel (1920) p. 470; Ecology.
1958. *H. (Hypogastrura) vernalis* Grindbergs (2277) p. 190; Latvia.
1958. *Hypogastrura vernalis* Nosek (1503) p. 358; Czechoslovakia.
1958. *Hypogastrura vernalis* von Torne (1993) p. 659; Austria.
1959. *Hypogastrura vernalis* Cassagnau (2261) p. 484; Europe.
1959. *Hypogastrura vernalis* Da Gama (2266) p. 3; Portugal.
1959. *Hypogastrura vernalis* Stach (1896) p. 61; Europe.
1960. *Hypogastrura vernalis* Gisin (2271) p. 36, fig. 83; Italy; Spain; Scandinavia.
1960. *H. (Hypogastrura) vernalis* Grindbergs (2373) p. 24; U.S.S.R.

Hypogastrura versicolor Bourlet, 1847

1847. *Hypogastrura versicolor* Bourlet (267) p. 223; France.

Hypogastrura viatica (Tullberg) 1872

1746. *Podura viatica* Linné (1299) p. 343; Europe.
1776. *Podura aquatica* Muller (1470) p. 183; Denmark; Cf. Schaeffer (1738).
1780. *Podura humicola* Fabricius (751) p. 211; Greenland; Cf. Tullberg (2003).
1783. "Jordpoduren" (= *P. viatica*) Fabricius (752) p. 296; Cf. Tullberg (2003).
1785. *Podura viatica* Foucroy (815) p. 522; Europe; Cf. Schaeffer (1738) *Achorutes viaticus!*
1835. *Podura viatica* Boisduval and Lacordaire (196) p. 113; Europe.
1835. *Achorutes dubius* Templeton (1957) p. 96; Ireland.
1842. *Podura viatica* Erichson (730) p. 312; Systematics.
1843. *Hypogastrura murorum* Bourlet (265) p. 35; Europe; Cf. Tullberg (2003).
1844. *Hypogastrura murorum* Gervais (841) p. 439; Europe; Cf. Tullberg (2003).
1868. *Achorutes murorum* Lubbock (1316) p. 302; Britain.
1869. *Achorutes murorum* Tullberg (2001) p. 7.
1871. *Achorutes murorum* Tullberg (2002) p. 152.
1872. *Achorutes viaticus* Tullberg (2003) p. 50, Pl. X, figs. 7–20; Sweden; Novaya Zemlya.
1873. *Achorutes dubius* Lubbock (1318) p. 178; Cf. Collinge and Shoebotham (472).
1873. *Achorutes murorum* Lubbock (1318) p. 182.
1876. *Achorutes viaticus* Tullberg (2004) p. 37, Pl. IX, figs. 27–30, p. 42; Arctic.
1880. *Achorutes viaticus* Reuter (1629) p. 208; Finland; Scandinavia; Denmark; Britain; Siberia; Spitzbergen; Bering Is.; Greenland; California; Shetlands; Orkneys.
1883. *Achorutes viaticus* Wittrock (2142) p. 116; Scandinavia.
1887. *Achorutes viaticus* Oudemans (1510) p. 41; Anatomy.
1887. *Achorutes viaticus* Parona (1561) p. 478; Italy.
1890. *Achorutes viaticus* Reuter (1638) p. 20; Finland; Habitats.
1891. *Achorutes viaticus* Moniez (1447) p. 70; France.
1891. *Achorutes viatica* Parfitt (1550) p. 345; England.
1891. *Achorutes viaticus* Schött (1762) p. 23; California.
1891. *Achorutes murorum* Uzel (2051) p. 920; Helgoland.
1893. *Achorutes viatica* Schött (1765) p. 80; Sweden, distribution.
1894. *Achorutes viaticus* Schaeffer (1733) p. 129; Spitzbergen.
1895. *Achorutes murorum* Parona (1565) p. 699; Argentina.
1895. *Achorutes viaticus* Reuter (1643) p. 9, Pl. 1, fig. 5.
1896. *Achorutes viaticus* Lie-Pettersen (1281) p. 19; Norway.
1896. *Achorutes humicola* Meinert (1399) p. 170; Greenland; Cf. Folsom (787).
1896. *Achorutes viaticus* Schaeffer (1735) p. 173, Pl. II, figs. 24, 25, Pl. III, figs. 47, 48; Germany.
1896. *Achorutes viaticus* Schött (1768) p. 121, Pl. 3, figs. 18, 19; Reference list.
1896. *Achorutes viaticus* Schött (1769) p. 186; San Francisco; California.
1897. *Achorutes viaticus* Schäffer (1736) p. 11; Tierra del Fuego.
1897. *Achorutes viaticus* Poppe and Schaeffer (1607) p. 266; Germany.
1898. *Achorutes humicola* Jacobson pp. 30, 36, 47; Cf. Axelson 1912 (1292) p. 19.
1898. *Achorutes viaticus* Lie-Pettersen (1282) p. 13; Norway.
1898. *Achorutes viaticus* Scherbakow (1750) p. 58; Kiev, Russia.
1898. *Achorutes viaticus* Scherbakow (1751) p. 6; Kiev.
1899. *Achorutes viaticus* Carl (352) p. 296, Pl. 8, figs. 8, 9; Switzerland.
1899. *Achorutes viaticus* Carpenter and Evans (402) p. 255; Scotland.
1899. *Achorutes viaticus* Scherbakow (1754) p. 47; Spitzbergen.

1899. *Achorutes viaticus* Schött (1770) p. 171; Tierra del Fuego.
1899. *Achorutes viaticus* Wahlgren (2073) pp. 185, 189, 191, 192; Sweden.
1899. *Achorutes viaticus* Wahlgren (2075) pp. 335, 337, 340; Bear I.; King Karls Ld.; Spitzbergen.
1900 *Achorutes viaticus* Prowazek (1614) p. 346; Morphology.
1900. *Achorutes viaticus* Schäffer (1738) p. 242; N. Siberia; White Is. off ob. Greenland; Spitzbergen.
1900. *Achorutes viaticus* Skorikow (1833) p. 203, Pl. V, figs. 8–13; Spitzbergen.
1900. *Achorutes viaticus* Willem (2123) pp. 6, 19, Pl. IV.
1900. *Achorutes viaticus* Wahlgren (2076) p. 5; Bear I.
1900. *Achorutes viaticus* Wahlgren (2077) p. 375; Greenland; Spitzbergen; Bear I.
1901. *Achorutes viaticus* Borner (234) p. 29; Bremen, Germany.
1901. *Achorutes viaticus* Boyd (268) p. 317; Scotland.
1901. *Achorutes viaticus* Carl (354) p. 252; Switzerland.
1901. *Achorutes viaticus* Evans (740) p. 153; Scotland.
1901. *Achorutes viaticus* Krausbauer (1204) p. 86; Germany.
1901. *Achorutes viaticus* Lie-Pettersen (2382) p. 202
1902. *Achorutes viaticus* Skorikow (1835) p. 97, figs. 8–13; Spitzbergen.
1905. *Achorutes viaticus* Axelson (81) p. 25; Tvärminne, Finland.
1905. *Achorutes viaticus* Becker (160) p. 87; Moscow.
1906. *Achorutes viaticus* Axelson (82) p. 6; Revals, Russia.
1906. *Achorutes viaticus* Lie-Petterson (1284) p. 55; Norway.
1906. *Achorutes viaticus* Lindsay (1288) p. 272; Edinburgh, Scotland.
1906. *Achorutes viaticus* Wahlgren (2079) p. 1; Subantarctic.
1906. *Hypogastrura viatica* Wahlgren (2080) p 242; Sweden.
1907. *Achorutes viaticus* Axelson (83) p. 127; Finland.
1907. *Achorutes viaticus* Latzel (1247) p. 67; Austria.
1907. *Podura viatica* Latzel (1247) p. 67; Austria.
1907. *Achorutes viaticus* Lie-Pettersen (1284) p. 55; Norway.
1909. *Hypogastrura viatica* Carpenter (384) p. 377 and fig.; Macquarie Island.
1909. *Achorutes viaticus* Latzel (1248) p. 167; Europe.
1910. *Achorutes viaticus* Bagnall (102) p. 5; Britain.
1910. *Achorutes viaticus* Collinge (464) p. 6; England.
1910. *Achorutes viaticus* Collinge & Shoebotham (472) p. 99; England.
1911. *Hypogastrura viatica* Axelson (1291) p. 5; Norway.
1912 *Achorutes viaticus* Enderlein (725) p. 126; Tierra del Fuego.
1912. *Hypogastrura viatica* Linnaniemi (1292) p. 19, Pl. II, figs. 13, 14; Finland.
1912. *Hypogastrura viatica* Reuter (1651) p. 19; Scandinavia.
1913. *Achorutes viaticus* Bell (172) p. 364.
1913. *Achorutes viatica* Cameron (345) p. 175; England; Soil ecology.
1913. *Achorutes viaticus* Carpenter (388) p. 6; Clare Is., Britain.
1914. *Achorutes viaticus* Shoebotham (1820) p 59; Ireland.
1916. *Hypogastrura viatica* Bartholin (149) p. 181; Denmark.
1916. *Achorutes viaticus* Carr (407) p. 64; England.
1916. *Achorutes viaticus* Folsom (787) p. 489, Pl. 13, figs. 82–88; North America.
1916. *Hypogastrura viatica* Wahlgren (2088) p. 115; Scandinavia.
1918. *Achorutes viaticus* Henriksen & Lundbeck (1044) p. 740; Greenland.
1919. *Achorutes viaticus* Parkinson & Bell (1555) p. iii; England—in sewers.
1919. *Hypogastrura viatica* Wahlgren (2089) p. 750; Sweden.
1920. *Achorutes viaticus* Tillyard (1974) p. 10, fig. 1; Macquarie I.; Tierra del Fuego.
1921. *Achorutes viaticus* Brown (300) p. 130; swarming.
1921. *Achorutes viaticus* Brown (301) p. 143; Isle of Wight.
1922. *Achorutes viaticus* Carpenter & Phillips (404) pp. 12, 18; Novaya Zemlya; Greenland; N. Siberia; Antarctic; S. America; N. America; Ireland; Great Britain; Scandinavia; Finland; Germany.
1922. *Achorutes viaticus* Denis (609) p. 110; Ile de Yeu, France.
1922. *Hypogastrura viatica* Stach (1861) p. 110, Pl. VIII, figs. 1, 2; Albania.
1923. *Achorutes viaticus* Brown (302) p. 261; England.
1923. *Hypogastrura viatica* Stach (1863) p. 8; Germany.
1923. *Hypogastrura viaticus* Womersley (2147) p. 30; S.W. England.
1924. *Hypogastrura viatica* Denis (614) p. 290; France.
1924. *Achorutes viaticus* Houlbert (1078) p. 75, Pl. II, fig. 11.
1925. *Achorutes viaticus* Brown (304) p. 159; England; Firth of Forth; Orkneys and Shetlands Is.; Littoral.
1925. *Achorutes viaticus* Denis (617) p. 210; Italy.
1925. *Hypogastrura viatica* Schött (1778) p. 1; E. Siberia.
1925. *Achorutes viaticus* Tillyard (1975) p. 301; Macquarie Island.
1925. *Hypogastrura viaticus* Womersley (2148) p. 168; S.W. England.
1926. *Hypogastrura viatica* Handschin (988) p. 42; Biology.
1927. *Achorutes viaticus* Carpenter (396) p. 194; Spitzbergen.
1928. *Hypogastrura viatica* Remy (1625) p. 60; Greenland.
1928. *Achorutes viaticus* Summerhayes & Elton (1939) p. 208; Spitzbergen.
1929. *Hypogastrura viatica* Bonet (200) p. 794; Spain.
1929. *Hypogastrura viatica* Buitendijk (333) p. 19; Europe.
1929. *Hypogastrura viatica* Handschin (1008) p. 24, fig. 23; Germany; Finland; Switzerland.
1929. *Hypogastrura viatica* Stach (1869) p. 279; Hungary; New Zealand; North America.
1930. *Hypogastrura viatica* Buitendijk (334) p. 53; Holland.
1930. *Achorutes viaticus* Mills (1414) p. 392; U.S.A.
1930. *Hypogastrura viatica* Womersley (2168) p. 166; Ireland.
1931. *Achorutes viaticus* Denis (639) p. 204; List of References; Germany.
1931. *Hypogastrura viatica* Lindroth (1286) p. 126; Iceland.
1931. *Hypogastrura viatica* Schött (1780) p. 70; Scandinavia.
1932. *Hypogastrura viatica* Agrell (36) p. 128.
1932. *Hypogastrura viatica* Brown (312) p. 331; North Canada.

1932. *Hypogastrura viatica* Krogerus (1210) pp. 93, 209, 216; Finland.
1932. *Hypogastrura viatica* Kseneman (1211) p. 6; Europe.
1932. *Hypogastrura viatica* Stach (1871) p. 272; Germany.
1932. *Hypogastrura viatica* Turk (2006) p. 831; England; habits.
1933. *Hypogastrura viatica* Denis (644) p. 211; Yugoslavia.
1933. *Achorutes viaticus* Folsom (802) p. 937; Agric. pest.
1933. *Achorutes viaticus* Lack (1228) p. 205; Bear Is.; Collembola as food.
1933. *Hypogastrura viatica* Linnamiemi (1294) p. 3; N.E. Siberia.
1933. *Hypogastrura viatica* Schubert (1787) p. 243; Germany; Ecology.
1933. *Hypogastrura viatica* Schubert (1789) p. 2; Germany; Ecology.
1933. *Hypogastrura viatica* Turk (2007) p. 93; Britain.
1934. *Hypogastrura viatica* Agrell (37) pp. 183, 215; Ecology, Sweden.
1934. *Hypogastrura viatica* Durkop (707) p. 492; Europe; America; Greenland; Siberia.
1934. *Hypogastrura viatica* Jorgensen (1145) p. 7; Greenland.
1934. *Podura viatica* Perrier (1576) p. 34 and fig.; France.
1934. *Hypogastrura viatica* Peters (1582) p. 174; Greenland.
1934. *Hypogastrura viatica* Womersley (2177) pp. 445, 467; Europe; South Africa.
1935. *Hypogastrura viatica* Axelson (1295) p. 138; Spitzbergen.
1935. *Hypogastrura viatica* Axelson (1296) p. 379; Spitzbergen; Hopen I., Norway.
1935. *Hypogastrura viatica* Denis (652) pp. 330, 334; Albania; Yugoslavia; Brief note on form.
1935. *Hypogastrura viatica* Durkop (708) p. 133; Germany.
1935. *Hypogastrura viatica* Schubert (1791) pp. 108, 369; Germany.
1936. *Hypogastrura viatica* Brown (313) p. 63; West Spitzbergen.
1936. *Hypogastrura viatica* Davies (525) p. 87; Grimsey I., North Iceland.
1936. *Hypogastrura viatica* Madsen (1367) p. 19; Greenland.
1937. *Achorutes viaticus* Salmon (1674) p. 352; New Zealand.
1937. *Hypogastrura viatica* Womersley (2185) p. 1; Macquarie Is.; Kerguelen I.
1938. *Hypogastrura viatica* Hammer (968) p. 8; East Greenland.
1938. *Achorutes viaticus* James (1125) p. 151, Pl. 15, figs. 4 and 5, 7, 8, 11; Baffin I.
1939. *Achorutes viaticus* Mills (1422) p. 159; North America.
1939. *Hypogastrura viatica* Womersley (2190) p. 91, figs. 40 L-O; South Australia.
1940. *Achorutes viaticus* Bagnall (122) p. 166; Britain.
1941. *Hypogastrura viatica* Agrell (46) p. 19; Swedish Lapland.
1941. *Achorutes pseudoviaticus* Bagnall (123) p. 221; Britain.

SYNTYPE: Brit. Mus. Nat. Hist., London.

1941. *Achorutes subviaticus* Bagnall (123) p. 220; Britain.

HOLOTYPE: Brit. Mus. Nat. Hist., London.

1941. *Achorutes subviaticus coerulescens* Bagnall (123) p. 221; Britain.

PARATYPES: Brit. Mus. Nat. Hist., London.

1941. *Achorutes subviaticus virescens* Bagnall (123) p. 221; Britain.

PARATYPES: Brit. Mus. Nat. Hist., London.

1941. *Achorutes viaticus* Bagnall (123) p. 219; Britain.
1941. *Hypogastrura viatica* Buitendijk (336) p. 18; Netherlands; Cosmopolitan.
1941. *Achorutes viaticus* Salmon (1676) p. 292, figs. 42–43; New Zealand (= *A. titahiensis* n. sp.)
1942. *Hypogastrura viatica* Marlier (1375) p. 8; Belgium.
1942. *Achorutes viaticus* Pescott (1580) p. 68; in sewage beds.
1943. *Hypogastrura viatica* Agrell (47) p. 124; Sweden.
1944. *Hypogastrura viatica* Hammer (969) p. 61; North America; Greenland; Iceland; Lapland; Finland; Europe; Bear I.; Spitzbergen; Arctic Siberia; Novaya Semlya.
1944. *Achorutes viaticus* Lloyd (1308); England; Sewage beds.
1944. *Hypogastrura viatica* Tuxen (2010) p. 143; Iceland.
1947. *Hypogastrura viatica* Delamare-Deboutteville (550) p. 125; France.
1947. *Achorutes viaticus* Hemming (1040) p. 584; Taxonomy.
1948. *Hypogastrura viatica* Palmen (1546) p. 170; Ecology.
1949. *Achorutes viaticus* Bagnall (130) p. 53; Britain.
1949. *Achorutes viaticus* Hack (960) p. 211; Argentina; Antarctic.
1949. *Achorutes titahiensis* Salmon (1680) p. 376, Pl. 40, figs. 12–21; New Zealand; Taxonomy.
1949. *Neogastrura pseudoviatica* Stach (1887) p. 38; England; Scotland; Ireland; Hebrides.
1949. *Neogastrura subviatica* Stach (1887) p. 37; England; Scotland; Ireland; Hebrides.
1949. *Neogastrura viatica* Stach (1887) p. 89, Pl. III and IX; Poland; W. Ukraine; Slovakia; Hungary; Roumania; Germany; Spitzbergen; Greenland; New Zealand; Systematics; Taxonomy.
1949. *Hypogastrura viatica* Strenzke (1922) p. 205; Germany; Ecology.
1950. *Hypogastrura viatica* Del. Deb. (570) p. 281; Europe.
1951. *Hypogastrura viatica* Schaller (1746) p. 492; Germany; Ecology.
1951. *Neogastrura viatica* Stach (1889) p. 65, fig. 32; Europe; America; New Zealand.
1951. *Achorutes viaticus* Wilkey (2120) p. 79; Colorado.
1952. *Hypogastrura viaticus* Baudissin (152) p. 54; Ecology.
1953. *Hypogastrura viatica* Green (935) p. 289; Wales.
1953. *Neogastrura viatica* Hammer (972) p. 16; North Canada.
1953. *Neogastrura viatica* Hammer (973) p. 4; Ellesmere Island, Canada.
1954. *Hypogastrura (H.) viatica* Strenzke (1925) p. 46; Germany; Finland.
1955. *Hypogastrura viatica* Chopard (434) p. 17; France.
1955. *Achorutes viaticus* Mills (1428) p. 102; Proposed type species.
1955. *Achorutes viaticus* Paclt (1539) p. 265; Nomenclature.
1955. *Hypogastrura viatica* Stach (1893) p. 99, figs. 263–266; Cosmopolitan.
1955. *Hypogastrura pseudoviatica* Strenzke (1926) p. 19; Europe.

1955. *Hypogastrura subviatica* Strenzke (1926) p. 19; Europe.
1955. *Hypogastrura viatica* Strenzke (1926) p. 17, fig. 2; Europe.
1955. *Hypogastrura viatica* Tischler (2399) p. 130; Ecology.
1956. *Hypogastrura viatica* Brinck, Dahl and Wieser (277) p. 124; Simrishamn; Scania.
1956. *Hypogastrura viatica* Int. Com. (1102) p. 429; Official list of specific names.
1956. *Hypogastrura viatica* Jeannenot (1134) p. 1; France.
1956. *Hypogastrura viatica* Paclt (1541) pp. 12, 32, 87, 104–120, figs. 9, 41; Biology.
1956. *Hypogastrura viatica subviatica* Paclt (1541) p. 120; Biology.
1956. *Hypogastrura viatica* Stevanovic (1903) p. 4; Yugoslavia.
1957. *Hypogastrura viatica* Bodvarsson (2252) p. 7; Iceland.
1958. *H. (Hypogastrura) viatica* Grindbergs (2277) p. 190; Latvia.
1958. *Hypogastrura viatica* Int. Com. (2378) p. 123; Official list of specific names.
1958. *Hypogastrura viatica* Saure and Brummer-Korvenkontio (2393) p. 4; Cytology.
1959. *Hypogastrura viatica* Gressitt and Weber (2273) p. 445; Antarctic.
1959. *Hypogastrura viatica* Muller (2309) p. 249; Ecology.
1959. *H. (Hypogastrura) viatica* Paclt (2316) p. 26; South Africa.
1959. *Achorutes (Hypogastrura) viatica* Poole (1604) p. 72; Food of Collembola.
1959. *Hypogastrura viatica* Wilkey (2350) p. 222; California.
1960. *Hypogastrura viatica* Gisin (2271) p. 42, fig. 93; Cosmopolitan.
1960. *Hypogastrura viatica* Gisin (2371) p. 311, fig. 2; Europe.
1960. *Hypogastrura viatica* Grindbergs (2279) p. 52; Latvia; Ecology.
1960. *H. (Hypogastrura) viatica* Grindbergs (2373) p. 25; U.S.S.R.
1960. *Hypogastrura (H.) viatica* Yosii (2409) pp. 267, 279, fig. 22; Systematics.
1962. *Hypogastrura coerulescens* Lawrence (2497) p. 144; Synonymy.
1962. *Hypogastrura pseudoviatica* Lawrence (2497) p. 144; Synonymy.
1962. *Hypogastrura subviatica* Lawrence (2497) p. 143; Synonymy.
1962. *Hypogastrura virescens* Lawrence (2497) p. 144; Synonymy.

Hypogastrura viatica aurea Delamare Deboutteville, 1947

TYPE: Author's Pers. Colln.
1947. *Hypogastrura viatica aurea* Del. Deb. (550) p. 125; France.
1956. *Hypogastrura viatica aurea* Paclt (1541) p. 12; Biology.

Hypogastrura viatica inermis (Axelson) 1905

1905. *Achorutes viaticus inermis* Axelson (80) p. 788; Finland.
1905. *Achorutes viaticus inermis* Axelson (81) p. 25; Tvärminne, Finland.
1907. *Achorutes viaticus inermis* Axelson (83) p. 127; Finland.
1912. *Hypogastrura viatica inermis* Axelson (1292) p. 21; Finland.
1932. *Hypogastrura viatica inermis* Durkop (706) p. 234; Germany.
1934. *Hypogastrura viatica inermis* Durkop (707) p. 493; Finland; Germany.
1935. *Hypogastrura viatica inermis* Axelson (1295) p. 138; Spitzbergen.
1942. *Hypogastrura viatica inermis* Marlier (1375) p. 8; Belgium.
1947. *Hypogastrura viatica inermis* Del. Deb. (550) p. 125; France.

Hypogastrura viatica maculosa (Axelson) 1905

1905. *Achorutes viaticus maculosa* Axelson (80) p. 788; Finland.
1907. *Achorutes viaticus maculosa* Axelson (83) p. 127; Finland.
1912. *Hypogastrura viatica maculosa* Axelson (1292) p. 21; Finland.
1932. *Hypogastrura viatica maculosa* Durkop (706) p. 234; Germany.
1934. *Hypogastrura viatica maculosa* Durkop (707) p. 492; Finland; Germany.

Hypogastrura viatica trispina (Axelson) 1905

1905. *Achorutes viaticus trispina* Axelson (80) p. 788; Finland.
1905. *Achorutes viaticus trispina* Axelson (81) p. 25; Tvärminne, Finland.
1907. *Achorutes viaticus trispina* Axelson (83) p. 127; Finland.
1912. *Hypogastrura viatica trispina* Axelson (1292) p. 21; Finland.
1932. *Hypogastrura viatica trispina* Durkop (706) p. 234; Germany.
1934. *Hypogastrura viatica trispina* Durkop (707) p. 493; Finland; Germany.
1952. *Hypogastrura viatica trispina* Mihelcic (1406) p. 96; Ecology.

Hypogastrura vulgaris (Folsom) 1916

COTYPES: U.S. Nat. Mus., Washington, D.C., Mus. Comp. Zool., Harvard, U.S.A.
1916. *Achorutes armatus* Folsom (787) p. 491, Pl. 7, fig. 2; Pl. 15, figs. 108–113; Pl. 16, figs. 114–117; Synonymy; North America.
1960. *Hypogastrura (Cyclograna) vulgaris* Yosii (2409) p. 263, figs. 8, 30-36; U.S.A.
1960. *Cyclograna vulgaris* Yosii (2409) p. 281; Oregon.

Hypogastrura yamagata Kinoshita, 1916

1916. *Hypogastrura yamagata* Kinoshita (1172) p. 455 and figs; Japan.
1938. *Hypogastrura yamagata* Uchida (2015) p. 6; Japan.
1956. *Hypogastrura yamagata* Uch. (2036) p. 27; Japan.

Hypogastrura yuasai (Yosii) 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Ceratophysella yuasai* Yosii (2230) p. 137, figs. 1–14; Japan.

Genus: SCHAEFFERIA Absolon, 1900 (9) p. 265.
= *Octomma* Willem, 1902 (2133) p. 279.

Type species fixed: *S. emucronata* Absolon, by Stach, 1949 (1887) p. 9—monotype.

Schaefferia atlantea Gisin, 1951

TYPE: Mus. Hist. Natur., Geneva.
1951. *Schäfferia (Typhlogastrura) atlantea* Gisin (881) p. 54; Moroccan caves.
1960. *Schaefferia atlantea* Gisin (2271) p. 54; Moroccan caves.

Schaefferia duodecimocellata Bonet, 1945

1945. *Schaefferia duodecimocellata* Bonet (216) p. 19, figs. 11–16; Mexico.
1949. *Schaefferia duodecimocellata* Stach (1887) p. 154; Mexico; Systematics.

Schaefferia emucronata Absolon, 1900

Sensu stricto *Schaefferia emucronata emucronata*
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1900. *Schaefferia emucronata* Absolon (9) p. 266, fig. 1; Europe.
1901. *Schaefferia emucronata* Absolon (11) p. 38; Czechoslovakia.
1901. *Schaefferia emucronata* Absolon (12) p. 91, Pl. 1, figs. 1–13; Czechoslovakia; Genotype.
1902. *Octomma longispina* Willem (2133) p. 275; Belgium; Cf. Stach (1881).
1908. *Schaefferia emucronata* Lampert. Cf. Stach (1881).
1923. *Schaefferia emucronata* Arndt (69) p. 95; Germany.
1925. *Hypogastrura* (*Schäfferia*) *emucronata* Denis (619) p. 145; France.
1929. *Schafferia emucronata* Handschin (1008) p. 27, fig. 31; Germany.
1930. *Hypogastrura* (*Schaefferia*) *emucronata* Bonet (202) p. 126; Spain.
1930. *Hypogastrura* (*Schaefferia*) *willemi* Bonet (202) p. 113; Spain. Cf. Stach (1881).
1930. *Hypogastrura octoculata* Womersley (2165) p. 33, fig. 20; England. Cf. Stach (1881).
1930. *Hypogastrura* (Schaefferia) octoculata Womersley (2168) p. 160; Ireland. Cf. Stach (1881).
1931. *Hypogastrura* (*Schaefferia*) *emucronata* Bonet (205) p. 374; Czechoslovakian caves.
1932. *Schaefferia emucronata* Lengersdorf (1274) p. 63; Swiss caves.
1933. *Schäfferia* (*Hypogastrura*) *emucronata* Griepenburg (940) p. 29; Germany.
1933. *Schaefferia emucronata* Schubert (1787) p. 224; Ecology.
1933. *Xenylla emucronata* Speyer (2395) p. 49; Agric. pest.
1934. *Hypogastrura* (*Schaefferia*) *willemi* Denis (648) p. 323; France.
1934. *Schäfferia* (*Hypogastrura*) *emucronata* Griepenburg (941) p. 37; Germany.
1935. *Schäfferia* (*Hypogastrura*) *emucronata* Griepenburg (942) p. 42; Germany.
1935. *Schaefferia emucronata* Pax & Maschke (1573) p. 34; Europe.
1935. *Schaefferia emucronata* Schubert (1790) p. 97; Europe.
1936. *Schaefferia emucronata* Denis (658) p. 81; Ad. descr.
1936. *Schäfferia emucronata* Stammer (1900) p. 211; in glacial fissures.
1937. *Schaefferia willemi* Denis (662) 3 pp.; Belgium. Cf. Stach (1881).
1937. *Schaefferia emucronata* Frenzel (828) p. 316; Ecology.
1937. *Schäfferia emucronata* Schubert (1792) p. 125; Central Europe.
1938. *Schaefferia emucronata* Lengersdorf (1276) p. 146; Germany.
1939. *Schaefferia emucronata* Griepenburg (943) p. 21; Germany.
1939. *Schaefferia emucronata* Griepenburg (944) p. 77; Germany; Cave Collemb.
1939. *Hypogastrura* (*Schaefferia*) *emucronata* Stach (1881) p. 406, fig. 173; Czechoslovakia; Synonymy.
1939. *Hypogastrura* (*Schaefferia*) *emucronata emucronata* Stach (1881) p. 411 nov. comb.
1942. *Schaefferia emucronata* Muhlmann (1467) p. 193; Europe.
1943. *Hypogastrura* (*Schaefferia*) *emucronata* Gisin (853) p. 142; Switzerland.
1943. *Schaefferia emucronata* Strebel (1919) p. 117; Germany.
1945. *Schaefferia emucronata* Del. Deb. (537) p. 72; France.
1949. *Schaefferia emucronata* Stach (1887) pp. 154 and 157, Pl. XVII; Poland; France, Germany; Systematics.
1951. *Schaefferia emucronata emucronata* Del. Deb. and Gisin (597) p. 133; Italian caves.
1953. *Schaefferia emucronata emucronata* (Abs.) Cassagnau (415) p. 67; France.
1955. *Schaefferia emucronata emucronata* Stach (1893) p. 90, figs. 230–233; Ad. descr.
1959. *Hypogastrura* (*Schaefferia*) *emucronata* Lawrence (2294) p. 118, figs. 1–6; England.
1959. *Schaefferia emucronata* Strebel (2344) p. 96; Germany.
1960. *Schaefferia emucronata* Gisin (2270) p. 94; France; Switzerland.
1960. *Schaefferia emucronata* Gisin (2271) p. 56, figs. 123, 124; Europe.
1960. *Schaefferia emucronata* Gisin (2371) p. 312; Europe.

Schaefferia emucronata ariegica Cassagnau, 1959

TYPE: Author's Colln. Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Schaefferia emucronata ariegica* Cassagnau (2262) p. 70; France.

Schaefferia emucronata coeca Cassagnau, 1959

TYPE: Author's Colln., Lab. Zool., Fac. Sci., Toulouse, France.
1959. *Schaefferia emucronata coeca* Cassagnau (2262) p. 71; France.

Schaefferia emucronata decemoculata Stach, 1939

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1939. *Hypogastrura* (*Schaefferia*) *emucronata decemoculata* Stach (1881) p. 411; Austria.
1949. *Schaefferia emucronata decemoculata* Stach (1887), p. 154; Germany; in caves.
1954. *Schaefferia emucronata decemoculata* Cassagnau (415) p. 67; France.
1960. *Schaefferia decemoculata* Gisin (2271) p. 55; Germany.

Schaefferia emucronata longispina (Willem) 1902

1902. *Octomma longispina* Willem (2133) p. 279; Belgium.
1930. *Hypogastrura octoculata* Womersley (2165) p. 33; Ireland.
1930. *Hypogastrura* (*Schaefferia*) *willemi* Bonet (202) p. 125; Belgium.
1930. *Hypogastrura* (*Schaefferia*) *octoculata* Womersley (2168) p. 167, fig. 1; Ireland.
1931. *Hypogastrura* (*Schaefferia*) *octoculata* Bonet (205) p. 374; Belgium; in caves.
1933. *Schafferia* (*Hypogastrura*) *willemi* Griepenburg (940) p. 29; Germany.
1934. *Hypogastrura* (*Schäfferia*) *willemi* Denis (648) p. 323; France; Systematics.
1935. *Schafferia willemia* Griepenburg (942) p. 42; Germany.

1937. *Schäfferia willemi* Denis (662) p. 2; Belgium.
1938. *Hypogastrura octoculata* Brown (318) p. 210; Britain.
1939. *Hypogastrura (Schaefferia) willemi* Bagnall (119) p. 91; Britain.
1942. *Schäfferia willemi* Marlier (1375) p. 8; Belgium.
1942. *Schafferia willemi* Muhlmann (1467) p. 200; Europe.
1945. *Schafferia willemi* Del. Deb. (537) p. 72; France.
1949. *Schafferia emacronata longispina* Stach (1887) p. 154 *nov. comb.*
1953. *Achorutes willemi* Hazelton & Glennie (1037) p. 273; Britain.
1953. *Achorutes octoculatus* Hazelton & Glennie (1037) p. 273; Britain.
1956. *Hypogastrura emucronata willemi* von Torne (1990) p. 499; Switzerland.
1959. *Schaefferia willemi* Strebel (2344) p. 96; Germany.
1960. *Schaefferia willemi* Gisin (2271) p. 55; Europe.

Schaefferia emucronata pouadensis (Delamare Deboutteville) 1945

TYPE: Author's Pers. Colln.
1945. *Schafferia pouadensis* Del. Deb. (537) p. 70, fig. 1; France.
1945. *Schafferia pouadensis* Del. Deb. & Paulian (600) p. 16; Pyrénées.
1949. *Schaefferia emucronata pouadensis* Stach (1887) p. 155; Oriental Pyrénées; France; Systematics.
1950. *Schafferia pouadensis* Del. Deb. (570) p. 175; France; Oriental Pyrénées.
1960. *Schaefferia pouadensis* Gisin (2271) p. 56; France; Oriental Pyrénées.

Schaefferia emucronata quadrioculata Stach, 1939

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1939. *Hypogastrura (Schaefferia) emucronata quadrioculata* Stach (1881) p. 411; Austria.
1949. *Schaefferia emucronata quadrioculata* Stach (1887) p. 154; German caves; Systematics.
1959. *Schaefferia emucronata quadrioculata* Cassagnau (2262) p. 70; France.
1960. *Schaefferia quadrioculata* Gisin (2271) p. 56; France.

Schaefferia emucronata sexoculata (Gisin) 1947

TYPE: Mus. Hist. Natur., Geneva.
1947. *Hypogastrura (Schäfferia) emucronata sexoculata* Gisin (866) p. 77; Switzerland.
1949. *Schaefferia emucronata sexoculata* Stach (1887) p. 155; Swiss Alps.
1960. *Schaefferia sexoculata* Gisin (2270) p. 91; Swiss Alps.
1960. *Schaefferia sexoculata* Gisin (2271) p. 56; Swiss Alps.

Schaefferia lindbergi Da Gama, 1962

HOLOTYPE, PARATYPE: Mus. Zool., Univ. Coimbra, Portugal.
1962. *Schaefferia lindbergi* Da Gama (2455) p. 102; Portugal.

Schaefferia variabilis Christiansen, 1951

PARATYPES: Mus. Comp. Zool., Harvard.
PARATYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
PARATYPE: Author's Colln.
1951. *Schaefferia variabilis* Christiansen (439) p. 125, Pl. 10, figs. 1–11; Pl. 11, figs. 2, 6, 7; Alaska.

Genus: XENYLLOGASTRURA Denis, 1932 (641) p. 358.
Type species fixed: *X. pruvoti* Denis, by Stach, 1949 (1887) p. 9; monotype.

Xenyllogastrura dilatata Cassagnau, 1959

TYPE: Author's Colln. Lab. Zool. Fac. Sci., Toulouse, France.
1959. *Xenyllogastrura dilatata* Cassagnau (2262) p. 73, fig. 3; France.

Xenyllogastrura pruvoti Denis, 1932

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1932. *Xenyllogastrura Pruvoti* Denis (641) p. 358; fig. I, 1–10; France.
1949. *Xenyllogastrura pruvoti* Stach (1887) p. 9; Taxonomy.
1960. *Willemia pruvoti* Gisin (2271) p. 67; France.

Genus: SPELAEOGASTRURA Bonet, 1945 (216) p. 22.
Type species fixed: *S. guerrerense* Bonet, 1945 (216) p. 22; monotype.

Spelaeogastrura guerrerense Bonet, 1945

1945. *Spelaeogastrura guerrerense* Bonet (216) p. 22, figs. 1–10, Pl. III, figs. 17–23; Mexico.

Genus: TYPHLOGASTRURA Bonet, 1930 (202) p. 126.
Type species fixed: *T. mendizabali* Bonet, 1930 (202) p. 126.

Typhlogastrura balazuci Delamare Deboutteville, 1951

TYPE: Author's Pers. Colln.
1951. *Typhlogastrura balazuci* Del. Deb. (573) p. 116, figs. 1–16; France.
1960. *Schaefferia balazuci* Gisin (2271) p. 55; France.

Typhlogastrura mendizabali Bonet, 1930

1930. *Hypogastrura (Typhlogastrura) mendizabali* Bonet (202) p. 127, figs. I and II; Spain.
1931. *Hypogastrura (Typhlogastrura) mendizabali* Bonet (205) pp. 291, 375, figs. I and II; Spain.
1944. *Typhlogastrura mandizabali* Jeannel (1129) p. 141; Cave Collemb.
1949. *Typhlogastrura mendizabali* Stach (1887) p. 200; Spain.
1960. *Schaefferia mendizabali* Gisin (2271) p. 54; Spain.

Typhlogastrura mendizabali sensibilis Bonet, 1930

1930. *Hypogastrura (Typhlogastrura) mendizabali sensibilis* Bonet (202) p. 130; Spain.
1931. *Hypogastrura (Typhlogastrura) mendizabali sensibilis* Bonet (205) pp. 294, 375; Spain; in caves.
1960. *Schaefferia mendizabali sensibilis* Gisin (2271) p. 54; Spain.

Typhlogastrura subterranea (Carl) 1906

TYPE: Mus. Hist. Natur., Geneva.
1906. *Achorutes subterraneus* Carl (356) p. 601; Switzerland.
1925. *Hypogastrura subterranea* Handschin (986) p. 227; Germany.
1930. *Hypogastrura (Typhlogastrura) subterranea* Bonet (202) pp. 127, 375; Spain; Italy.
1949. *Typhlogastrura subterranea* Stach (1887) p. 200; Switzerland.
1960. *Schaefferia (Typhlogastrura) subterranea* Gisin (2270) p. 94; Italy, Switzerland.
1960. *Schaefferia subterranea* Gisin (2271) p. 54, fig. 122; Europe.

Genus: MESACHORUTES Absolon, 1900 (9) p. 266.
Type species fixed: *M. quadriocellatus* Absolon, by Stach, 1949 (1887) p. 10; monotype.

Mesachorutes affinis Steiner, 1955

1955. *Mesachorutes affinis* Steiner (1906) p. 329, fig. 4; Spain.
1959. *Mesachorutes affinis* Selga (2331) p. 191; Spain.

Mesachorutes cionii Denis, 1935

1935. *Mesachorutes cionii* Denis (654) p. 88; Italy.
1949. *Mesachorutes cionii* Stach (1887) p. 197; Italy; Systematics.
1951. *Mesachorutes cionii* Del. Deb. & Gisin (598) p. 3, fig. 6; Italy.
1959. *Mesachorutes cionii* Selga (2331) p. 192; Italy.
1960. *Mesachorutes cionii* Gisin (2271) p. 60; Italy.

Mesachorutes espanoli Selga, 1959

TYPE: Lab. Biol. Aplic., Univ. Barcelona, Spain.
1959. *Mesachorutes español*i Selga (2331) p. 189, fig. 1; Spain.

Mesachorutes marlieri Delamare Deboutteville, 1947

TYPE: Author's Pers. Colln., Univ. Nancy, France.
1947. *Mesachorutes marlieri* Del. Deb. (548) p. 406, figs. 1–11; Belgium.
1947. *Hypogastrura* (*Mesachorutes*) *quadriocellata* Absol., Marlier (1378) p. 83; Belgium.
1949. *Mesachorutes marlieri* Stach (1887) p. 198; Belgium; Synonymy.
1959. *Mesachorutes marlieri* Selga (2331) p. 192; Belgium.
1960. *Mesachorutes marlieri* Gisin (2271) p. 59; Belgium.

Mesachorutes octoculatus Steiner, 1955

1955. *Mesachorutes octoculata* Steiner (1906) p. 330, fig. 5; Spain.
1959. *Mesachorutes octaculata* Selga (2331) p. 191; Spain.

Mesachorutes pruvoti Denis, 1932

1932. *Mesachorutes pruvoti* Denis (641) p. 357; France.
1959. *Mesachorutes pruvoti* Selga (2331) p. 191; East Pyrénées.

Mesachorutes quadriocellatus Absolon, 1900

1900. *Mesachorutes 4-ocellatus* Absolon (9) p. 267, figs. 2 and 3; Czechoslovakia; Genotype.
1901. *Mesachorutes 4-ocellatus* Absolon (11) p. 38; Czechoslovakia.
1901. *Mesachorutes 4-ocellatus* Absolon (12) p. 94; Czechoslovakia.
1929. *Hypogastrura quadriocellata* Handschin (1008) p. 26; Germany.
1930. *Hypogastrura* (*Mesachorutes*) *4-ocellatus* Bonet (202) p. 131; Czechoslovakia.
1931. *Hypogastrura* (*Mesachorutes*) *quadriocellata* Bonet (205) p. 374; Czechoslovakian caves.
1937. *Hypogastrura quadriocellata* Frenzel (828) p. 316; Ecology.
1947. *Hypogastrura* (*Mesachorutes*) *quadriocellata* Marlier (1378) p. 83; Belgium.
1949. *Mesachorutes 4-ocellatus* Stach (1887) p. 197; Moravia.
1959. *Mesachorutes 4-ocellata* Selga (2331) p. 191; Czechoslovakia.
1960. *Mesachorutes quadriocellatus* Gisin (2271) p. 59; Czechoslovakia.

Mesachorutes quadriocellatus tiroliensis (von Torne) 1958

1958. *Hypogastrura quadriocellata tiroliensis* von Torne (1993) p. 675; Austria.

Mesachorutes thomomys (Chamberlain) 1943

1943. *Achorutes thomomys* Chamberlain (431) p. 39, Pl. II, figs. 14–22; U.S.A.
1949. *Mesachorutes thomomys* Stach (1887) p. 197; Montana, U.S.A.
1959. *Mesachorutes thomomys* Selga (2331) p. 191; U.S.A.
1959. *Mesachorutes thomomys* Stach (2340) p. 440; Affinities.

Genus: PROXENYLLODES Denis, 1926 (626) p. 9.
Type species fixed: *P. folsomi* Denis, by Stach 1949 (1887) p. 8.

Proxenyllodes aberrans Cassagnau, 1952

TYPE: Author's Colln. Lab. Zool. Fac. Sci., France.
1952. *Proxenyllodes aberrans* Cassagnau (411) p. 309; figs. 4 A-F; France.
1956. *Proxenyllodes aberrans* Cassagnau (423) p. 2.
1957. *Proxenyllodes aberrans* Kühnelt (1224) p. 93; Ecology.

Proxenyllodes folsomi Denis, 1926

1926. *Proxenyllodes folsomi* Denis (626) p. 9; Italy.
1927. *Proxenyllodes folsomi* Denis (629) p. 176, figs. 9–14; Italy.
1953. *Proxenyllodes folsomi* Cassagnau (415) p. 70, fig. 3; France.

Proxenyllodes reticulatus (Borner) 1909

1909. *Hypogastrura reticulata* Borner (246) p. 100; Japan.
1938. *Hypogastrura reticulata* Uchida (2015) p. 6; Japan.
1953. *Neogastrura reticulata* Hammer (972) p. 14, fig. 3; Re-description.
1956. *Hypogastrura reticulata* Uchida (2036) p. 26; Japan.
1960. *Achorutes reticulatus* Grindbergs (2373) p. 64; U.S.S.R.
1960. *Hypogastrura reticulata** Yosii (2409) p. 271, figs. 17, 46; Japan.

Genus: TRIACANTHELLA Schaeffer 1897 (1736) p. 14.
= *Triacanthurus* Willem, 1903 (2130) p. 5.
Type species fixed: *T. michaelsenii* Schaeffer by Stach, 1949 (1887) p. 8 (Monotype).

Triacanthella alba Carpenter, 1909

LECTOTYPE and PARATYPES: Brit. Mus. Nat. Hist., London.
1909. *Triacanthella alba* Carpenter (384) p. 378, Pl. XVIII, figs. 1–18; Campbell I.
1925. *Triacanthella alba* Tillyard (1975) p. 301; Auckland I.
1941. *Triacanthella alba* Salmon (1676) p. 288, Pl. 39, fig. 13; New Zealand.
1949. *Triacanthella alba* Salmon (1689) p. 5; Campbell I.

* Yosii (2409) places this species in his *reticulata* group of the genus *Hypogastrura*, a group which includes only this one species. Stach (1887) p. 45, draws attention to the difficulty in correctly placing Börner's species. I am of the opinion that this species fits better into the genus *Proxenyllodes* Denis, and, accordingly, have placed it here in the present catalogue.

Triacanthella birói Stach, 1924

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.

1924. *Triancanthella birói* Stach (1864) p. 109, Pl. 1, figs. 1–10, 15; Mediterranean.
1938. *Triancanthella birói* Denis (665) p. 121; Italy.
1955. *Triancanthella birói* Gridelli (938) p. 39; Venice.
1960. *Triancanthella birói* Gisin (2271) p. 60; Malta.

Triacanthella birói monacanthella Stach, 1924

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.

1924. *Triacanthella birói monacanthella* Stach (1864) p. 111, Pl. 1, fig. 9; Mediterranean.

Triacanthella clavata (Willem) 1902

1902. *Triacanthurus clavatus* Willem (2130) p. 5, Pl. I, figs. 7–12, Pl. II, figs. 1, 2; Antarctic.

Triacanthella enderbyensis Salmon, 1949

TYPE and PARATYPES: Dom. Mus., Wellington, N.Z.

1949. *Triacanthella enderbyensis* Salmon (1689) p. 6, figs. 1–6; Enderby I; Auckland I.

Triacanthella frigida Cassagnau, 1959

TYPE: Author's Colln., Lab. Zool. Fac. Sci., Toulouse, France.

1959. *Triacanthella frigida* Cassagnau (2262) p. 71, fig. 2; France.

Triacanthella gridellii Denis, 1937

1937. *Triacanthella gridellii* Denis (665) p. 122, fig. 5; Italy.
1955. *Triacanthella gridellii* Gridelli (938) p. 39; Venice.
1960. *Triacanthella gridellii* Gisin (2271) p. 61, fig. 129; Italy.

Triacanthella inopinata Denis, 1925

1925. *Triacanthella inopinata* Denis (617) p. 201, fig. 17; Italy.
1960. *Triacanthella inopinata* Gisin (2271) p. 61, fig. 128; Italy.

Triacanthella michaelseni Schaeffer, 1897

1897. *Triacanthella michaelseni* Schaeffer (1736) p. 14, figs. 22–28; Tierra del Fuego; Navarino I.; Chile.
1899. *Triacanthella michaelseni* Schott (1770) p. 171; Tierra del Fuego.
1912. *Triacanthella michaelseni* Enderlein (725) p. 125; Tierra del Fuego.

Triacanthella perfecta Denis, 1926

1926. *Triacanthella perfecta* Denis (626) p. 9; Italy.
1927. *Triacanthella perfecta* Denis (629) p. 171, figs. 1–8; Italy.
1932. *Triacanthella annae* Borner (255) p. 136. *nom nudum.*
1951. *Triacanthella proxima* Del. Deb. (574) p. 156; *Syn. nov.*
1960. *Triacanthella perfecta* Gisin (2271) p. 60; Apennines; Pyrénées.

Triacanthella proxima Del. Deb., 1951

TYPE: Author's Pers. Colln., Univ. Nancy, France.

1951. *Triacanthella proxima* Del. Deb. (574) p. 156, figs. 1–11; France.
1952. *Triacanthella proxima* Cassagnau (411) p. 309, figs. 3 E-H; France.
1953. *Triacanthella proxima* Cassagnau (415) p. 70; France.

Triacanthella proxima montana Rapoport, 1961

1961. *Triacanthella proxima montana* Rapoport (2432) p. 625 and figs; France.

Triacanthella purpurea Salmon, 1943

TYPE and PARATYPES: Dom. Mus., Wellington, N.Z.

1943. *Triacanthella purpurea* Salmon (1680) p. 373, Pl. 40, figs. 1–5; New Zealand.

Triacanthella rosea Wahlgren, 1906

1906. *Triacanthella rosea* Wahlgren (2079) p. 7, figs. 7-13; Tierra del Fuego.
1912. *Triacanthella rosea* Enderlein (725) p. 125; Tierra del Fuego.
1941. *Triacanthella rosea* Salmon (1676) p. 288; New Zealand.
1950. *Triacanthella rosea* Womersley (2163) p. 59; New Zealand.

Triacanthella rubra Salmon, 1941

TYPE and PARATYPES: Dom. Mus., Wellington, N.Z.

1941. *Triacanthella rubra* Salmon (1676) p. 288, Pl. 39, figs. 4–7; New Zealand.
1948. *Triacanthella rubra* Salmon (1687) p. 291; Three Kings Is., New Zealand.

Triacanthella setacea Salmon, 1941

TYPE and PARATYPES: Dom. Mus., Wellington, N.Z.

1941. *Triacanthella setacea* Salmon (1676) p. 289, Pl. 39, figs. 1–3; New Zealand.
1943. *Triacanthella setacea* Salmon (1680) p. 373; North Is., New Zealand.

Triacanthella sorenseni Salmon, 1949

TYPE and PARATYPES: Dom. Mus., Wellington, N.Z.

1949. *Triacanthella sorenseni* Salmon (1689) p. 7, figs. 7–12; Campbell I.

Triacanthella terrasilvatica Salmon, 1943

TYPE and PARATYPES: Dom. Mus., Wellington, N.Z.

1943. *Triacanthella terrasilvatica* Salmon (1680) p. 374, Pl. 40, figs. 6–11; New Zealand.

Triacanthella violacea Womersley, 1939

1939. *Triacanthella violacea* Womersley (2190) p. 97. figs. 42 A-I; South Australia.

Genus: STACHIOMELLA Wray, 1957 (2211) p. 112.
Type species fixed: *S. oxfordia* Wray, 1957 (2211) p. 112.

Stachiomella oxfordia Wray, 1957

TYPE: Insect. Surv. Mus., Nth. Carolina Dept. Agric., Raleigh, N.C., U.S.A.

1957. *Stachiomella oxfordia* Wray (2211) p. 113, figs. 4 a-c; North Carolina.

Genus: WILLEMIA Börner, 1901 (230) p. 428.
Types species fixed: *W. anophthalma* Börner, by Bonet, 1945 (216) p. 36.

Willemia affinis (Steiner) 1955

1955. *Mesachorutes affinis* Steiner (1906) p. 329; Spain.
1960. *Willemia affinis* Gisin (2271) p. 67; Spain.

Willemia anophthalma Börner, 1901

TYPE: Deutsch. Entom. Inst., Berlin.

1901. *Willemia anophthalma* Börner (230) p. 429, figs. 6–8; Germany.
1902. *Willemia anophthalma* Börner (235) p. 102, fig. 9; Systematics.
1905. *Willemia anophthalma* Axelson (81) p. 26; Finland.
1905. *Willemia anophthalma* Axelson (82) p. 7; Revals, Russia.
1907. *Willemia anophthalma* Axelson (83) p. 128; Finland.
1911. *Willemia anophthalma* Axelson (1291) p. 7; Norway.
1911. *Willemia anophthalma* Shoebotham (1819) p. 33; England.
1912. *Willemia anophthalma* Axelson (1292) p. 53, Pl. V, figs. 22–25; Finland; Systematics.
1924. *Willemia anophthalma* Handschin (981) p. 95, figs. 35, 36; Switzerland; Revised descr.

1924. *Willemia anophthalma* Houlbert (1078) p. 69, Pl. II, fig. 8; Europe.
1924. *Willemia anophthalma* Womersley (2148) p. 168; S.W. England.
1925. *Willemia anophthalma* Womersley (2148) p. 168; S.W. England.
1926. *Willemia anophthalma* Brown (307) p. 333; Derbyshire; Yorkshire.
1929. *Willemia anophthalma* Brown (309) p. 421, Pl. IX, figs. 4–6.
1929. *Willemia anophthalma* Handschin (1009) p. 31; Middle and North Europe; England.
1932. *Willemia anophthalma* Denis (641) p. 360; France; Ad. descr.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1932. *Willemia anophthalma* Durkop (706) p. 234; Germany.
1933. *Willemia anophthalma* Mills & Rolfs (1431) p. 78; Washington; England; humus form.
1933. *Willemia anophthalma* Turk (2007) p. 93; Britain.
1934. *Willemia anophthalma* Agrell (37) p. 217; Sweden; Ecology.
1934. *Willemia anophthalma* Volz (2069) p. 172; Ecology.
1937. *Willemia anophthalma* Frenzel (828) p. 296; Ecology.
1937. *Willemia anophthalma* Hammer (966) p. 10; East Greenland.
1938. *Willemia anophthalma* Hammer (968) p. 11; East Greenland.
1938. *Willemia anophthalma* Kseneman (1219) p. 106; Czechoslovakian Alps.
1938. *Willemia anophthalma* Kseneman (1220) p. 8; Europe.
1939. *Willemia anophthalma* Agrell (44) p. 167; Sweden.
1941. *Willemia anophthalma* Agrell (46) p. 19; Swedish Lapland.
1941. *Willemia anophthalma* Bagnall (123) p. 221; Britain.
1942. *Willemia anophthalma* Haarlon (954) p. 44; Greenland.
1943. *Willemia anophthalma* Agrell (47) p. 124; Sweden.
1943. *Willemia anophthalma* Gisin (853) p. 144; Switzerland.
1944. *Willemia anophthalma* Hammer (969) p. 61; Greenland; Spitzbergen; Lapland; Finland; Switzerland.
1945. *Willemia anophthalma* Agrell (50) p. 10; Sweden; Norway; Habitats.
1947. *Willemia anophthalma* Gisin (866) p. 77; Switzerland.
1949. *Willemia anophthalma* Schaller (1742) p. 269; Germany; Ecology.
1949. *Willemia anophthalma* Stach (1887) p. 246, Pl. XXVI; Poland; West Ukraine; Revised descr.
1949. *Willemia anophthalma* Strenzke (1922) p. 205; Germany; Ecology.
1951. *Willemia anophthalma* Gisin (877) p. 85; Switzerland.
1951. *Willemia anophthalma* Praport (1610) p. 139; Poland.
1951. *Willemia anophthalma* Schaller (1746) p. 463; Germany; Ecology.
1952. *Willemia anophthalma* Hammer (971) p. 412; Greenland.
1952. *Willemia anophthalma* Massera (1382) p. 29; Italian caves.
1953. *Willemia anophthalma* Cassagnau (415) p. 70; France.
1953. *Willemia anophthalma* Del. Deb. (584) p. 295; Algeria.
1953. *Willemia anophthalma* Del. Deb. (587) p. 482; Algeria; Ecology.
1953. *Willemia anophthalma* Gisin (885) p. 229; Jan Mayen Is.
1953. *Willemia anophthalma* Hammer (972) p. 21; Nth. Canada.
1954. *Willemia anophthalma* Hammer (974) p. 9; North Greenland.
1954. *Willemia anophthalma* MacFadyen (1339) p. 289; Jan Mayen I.
1955. *Willemia anophthalma* Kühnelt (1223) p. 12; Ecology.
1955. *Willemia anophthalma* Murphy (1474) p. 159; Ecology.
1955. *Willemia anophthalma* Palissa (1545) p. 475; Ecology.
1955. *Willemia anophthalma* Stach (1893) p. 86, figs. 214–216; Europe.
1956. *Willemia anophthalma* Bockemuhl (193) p. 131; Spitzbergen.
1957. *Willemia anophthalma* Bödvarsson (2252) p. 10; Iceland.
1957. *Willemia anophthalma* Gisin (898) p. 110; Switzerland.
1957. *Willemia anophthalma* Strebel (1290) p. 470.
1958. *Willemia anophthalma* Grindbergs (2277) p. 191; Latvia.
1958. *Willemia anophthalma* von Torne (1993) p. 660; Austria.
1959. *Willemia anophthalma* Haybach (2375) Tab. VIII; Ecology.
1959. *Willemia anophthalma* Muller (2309) p. 249; Ecology.
1959. *Willemia anophthalma* Stach (1896) p. 21; Poland.
1960. *Willemia anophthalma* Gisin (2271) p. 67, fig. 13; Europe; North Africa.
1960. *W.* (*Willemia*) *anophthalma* Grindbergs (2373) p. 28; U.S.S.R.

Willemia anophthalma inermis Börner, 1901

1901. *Willemia anophthalma inermis* Börner (229) p. 698; Europe.
1905. *Willemia anophthalma inermis* Axelson (81) p. 25; Finland.
1924. *Willemia anophthalma inermis* Houlbert (1078) p. 69; Europe.
1937. *Willemia anophthalma inermis* Kseneman (1217) p. 465; Carpathians.

Willemia aspinata Stach, 1949

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1949. *Willemia aspinata* Stach (1887) p. 250, Pl. XXVI; Poland.
1954. *Willemia aspinata* Cassagnau (415) p. 70; France.
1955. *Willemia aspinata* Stach (1893) p. 88, figs. 217–219; Ad. descr.
1960. *Willemia anophthalma inermis* Gisin (2271) p. 67.
1960. *Willemia aspinata* Gisin (2271) p. 67; figs. 143–144; Finland; Synonymy.
1960 *Willemia inermis* Gisin (2271) p. 67.
1960. *Willemia scandanavica* Gisin (2271) p. 67.
1960. *W.* (*Willemia*) *aspinata* Grindbergs (2373) p. 28; U.S.S.R.

Willemia australis Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Willemia australis* Rapoport (2533) p. 6, figs. 32–42; Argentina.

Willemia buddenbrocki Huther, 1959

1959. *Willemia buddenbrocki* Huther (2285) p. 173; Germany.

Willemia buddenbrocki brevispina Huther, 1962

1962. *Willemia buddenbrocki brevispina* Huther (2484) p. 523, fig. 39; Salvador; South America.

Willemia cavernicola Tarsia in Curia, 1941

1941. *Willemia cavernicola* Tarsia in Curia (1954) p. 3, fig. 2; Italy.
1943. *Willemia cavernicola* Tarsia in Curia (1956) p. 48; Italy, in caves.
1960. *Willemia cavernicola* Gisin (2271) p. 68; Italy.

Willemia denisi Mills, 1932

COTYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Willemia denisi* Mills (1416) p. 263, figs. 1–4; Washington.
1933. *Willemia denisi* Mills & Rolfs (1431) p. 78; Washington.
1949. *Willemia denisi* Stach (1887) p. 244; Washington, North America.
1953. *Willemia denisi* Hammer (972) p. 21; North Canada.
1959. *Willemia denisi* Wilkey (2350) p. 222; California.

Willemia inermis (Börner) 1901

1901. *Willemia anophthalma inermis* Börner (230) p. 698; Germany.
1905. *Willemia anophthalma inermis* Axelson (81) p. 26; Tvärminne, Finland.
1907. *Willemia anophthalma inermis* Axelson (83) p. 128; Finland.
1912. *Willemia anophthalma inermis* Axelson (1292) p. 54; Finland.
1938. *Willemia anophthalma inermis* Kseneman (1220) p. 9; Europe.
1949. *Willemia aspinata* Stach (1887) p. 245; Poland; Cf. Gisin (875).
1949. *Willemia scandinavica* Stach (1887) p. 245; Finland. Cf. Gisin (875).
1949. *Willemia anophthalma inermis* Strenzke (1922) p. 205; Germany; Ecology.
1950. *Willemia anophthalma inermis* Del. Deb. (570) p. 238; France.
1950. *Willemia inermis* Gisin (875) p. 411; Synonymy.
1957. *Willemia inermis* Gisin (898) p. 110; Switzerland.
1958. *Willemia inermis* von Torne (1993) p. 660; Austria.
1959. *Willemia inermis* Haybach (2375) Tab. VIII; Ecology.
1959. *Willemia inermis* Stach (1896) p. 22; Poland.
1960. *Willemia inermis* Gisin (2271) p. 67. = *W. aspinata.*

Willemia intermedia Mills, 1934

COTYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Willemia intermedia* Mills (1417) p. 17, figs. 24 and 25; Iowa.
1949. *Willemia intermedia* Stach (1887) p. 244; Iowa; Systematics.
1954. *Willemia intermedia* Bellinger (174) p. 17; Connecticut.
1956. *Willemia intermedia* Wray & Knowlton (2215) p. 7; Utah.
1959. *Willemia intermedia* Wilkey (2350) p. 222; California.

Willemia nadchatrami Yosii, 1959

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1959. *Willemia nadchatrami* Yosii (2355) p. 5, figs. 4 and 5; Malaya.

Willemia octoculata (Steiner) 1955

1955. *Mesachorutes octoculata* Steiner (1906) p. 330; Spain.
1960. *Willemia octoculata* Gisin (2271) p. 66, fig. 142; Spain.

Willemia persimilis Bonet, 1945

SYNTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1945. *Willemia persimilis* Bonet (216) p. 37; Pl. VI, figs. 38–47; Mexico.
1949. *Willemia persimilis* Stach (1887) p. 246; Mexico; Systematics.
1959. *Willemia persimilis* Huther (2285) p. 177; Chaetotaxy.

Willemia persimilis acantha Bonet, 1945

1945. *Willemia persimilis acantha* Bonet (216) p. 41; Mexico.

Willemia persimilis bulbosa Bonet, 1945

1945. *Willemia persimilis bulbosa* Bonet (216) p. 41, Pl. VI, fig. 48; Mexico.
1949. *Willemia bulbosa* Stach (1887) p. 245; Mexico; Systematics.

Willemia scandinavica Stach, 1949

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1949. *Willemia scandinavica* Stach (1887) p. 244; Finland.

Willemia similis Mills, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Willemia similis* Mills (1417) p. 17, figs. 26, 27; Iowa.
1949. *Willemia similis* Stach (1887) p. 245; Iowa; Kansas; Systematics.
1950. *Willemia similis* Wray (2216) p. 61; Utah.
1954. *Willemia similis* Hammer (972) p. 22; N. Canada.
1959. *Willemia similis* Wilkey (2350) p. 222; California.

Willemia vashtia Wray, 1950

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1950. *Willemia vashtia* Wray (2203) p. 92, figs. 12–15; U.S.A.

Willemia xenylliformis (Gisin) 1951

TYPE: Mus. Hist. Natur., Geneva.
1951. *Acherontiella xenylliformis* Gisin (881) p. 54; Moroccan caves.
1959. *Acherontiella xenylliformis* Stach (2340) p. 436; Algeria.
1960. *Willemia xenylliformis* Gisin (2271) p. 68; Morocco.

Genus: KNOWLTONELLA Wray, 1958 (2212) p. 1.

Type species fixed: *K. idahoensis* Wray, 1958 (2212) p. 1.

Knowltonella idahoensis Wray, 1958

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1958. *Knowltonella idahoensis* Wray (2212) p. 1, fig. 1; Idaho.

Genus: TAFALLIA Bonet, 1946 (218) p. 58.

Type species fixed: *T. insularis* Bonet, 1946 (218) p. 58.

Tafallia insularis Bonet, 1946

1946. *Tafallia insularis* Bonet (218) p. 58, figs. 3–15; Mexico.

1956. *Tafallia insularis* Wray & Knowlton (2215) p. 7; Utah.
1959. *Tafallia insularis* Wilkey (2350) p. 222; California.

Species Indeterminatae in Fam. HYPOGASTRURIDAE
1840. *Achoreutes rufescens* Koch (1187) p. 358; Germany.
1847. *Achorutes purpureus** Nicolet (1496) p. 379; France.
1924. *Hypogastrura (Achorutes) Nicoleti* Houlbert (1078) p. 75; France.

Family: BRACHYSTOMELLIDAE Stach, 1949 (1887) p. 254.

Genus: PROBRACHYSTOMELLA Rapoport, 1962 (2533) p. 9.
Type species now designated: *P. globulosa* (Rapoport).

Probrachystomella bonariensis Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Probrachystomella bonariensis* Rapoport (2533) p. 20.

Probrachystomella globulosa (Cassagnau and Rapoport) 1962

1962. *Brachystomella globulosa* Cassagnau and Rapoport (2446) p. 153, fig. 9; Argentina.

Probrachystomella rhodosoma Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Probrachystomella rhodosoma* Rapoport (2533) p. 9, figs. 51–59.

Genus: AETHIOPELLINA† Delamare Deboutteville, 1951 (578) p. 284.
Type species fixed: *A. proboscina,* by Delamare Deboutteville, 1951 (578) p. 284.

Aethiopellina bimaculata Delamare Deboutteville, 1950

1950. *Aethiopellina bimaculata* Delamare Deboutteville (570) p. 51–, fig. 10; Ivory Coast.
1951. *Aethiopellina bimaculata* Delamare Deboutteville (578) p. 284, figs. 14–16; Ivory Coast.

Aethiopellina proboscina Delamare Deboutteville, 1950

1950. *Aethiopellina proboscina* Delamare Deboutteville (570) p. 51, fig. 13; Ivory Coast.
1951. *Aethiopellina proboscina* Delamare Deboutteville (578) p. 284, figs. 9–10; Ivory Coast.

Genus: PHYLLIOMERIA Delamare Deboutteville, 1948 (560) p. 182.
Type species fixed: *P. africana* Del. Deb., 1948 (560) p. 183.

Phylliomeria africana Delamare Deboutteville, 1948

TYPE: Author's Pers. Colln., Univ. Nancy, France.
1948. *Phylliomeria africana* Del. Deb. (560) p. 183, figs. 1–11; East Africa.

Genus: GUACHARIA Jackson, 1927 (1120) p. 488.
Type species fixed: *G. trinitata* Jackson, by Stach, 1949 (1887) p. 259.

Guacharia trinitata Jackson, 1927

TYPE AND PARATYPE: Brit. Mus. Nat. Hist., London.
1927. *Guacharia trinitata* Jackson (1120) p. 488, figs. 1–7; Trinidad.
1931. *Brachystomella trinitata* Bonet (205) p. 346; Trinidad.
1949. *Guacharia trinitata* Stach 1887) p. 259; Systematics.

Genus: BRACHYSTOMELLIDES Arlé, 1959 (2250) p. 161.
Type species fixed: *B. compositus* Arlé, 1959 (2250) p. 161.

Brachystomellides compositus Arlé, 1959

TYPE: Mus. Nacional, Rio de Janeiro, Brazil.
1959. *Brachystomellides compositus* Arlé (2250) p. 161, figs. 24–32; Brazil.

Brachystomellides micropilosa Cassagnau and Rapoport, 1962

1962. *Brachystomellides micropilosa* Cassagnau and Rapoport (2446) p. 161, fig. 14; South America.

Brachystomellides neuquensis Cassagnau and Rapoport, 1962

1962. *Brachystomellides neuquensis* Cassagnau and Rapoport (2446) p. 159, fig. 13; South America.

Genus: BRACHYSTOMELLA Ågren, 1903 (54) p. 127.
= *Schöttella* Schaeffer, 1896 (1735) p. 176. *ad. part.*
= *Chondrachorutes* Wahlgren, 1906 (2079) p. 5.

Types species fixed: *B. parvula* (Schaeffer), by Stach, 1949 (1887) p. 260.

Brachystomella afurcata Womersley, 1933

PARATYPES, COTYPE: Sth. Austr. Mus., Adelaide.
1933. *Brachystomella afurcata* Womersley (2176) p. 59, figs. 4 j-n; Australia.
1935. *Brachystomella afurcata* Womersley (2181) p. 208; Australia.
1939. *Brachystomella afurcata* Womersley (2190) p. 113, fig. 46; Australia.

Brachystomella agrosa Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Brachystomella agrosa* Wray (2210) p. 148, figs. 2 Q-U; Puerto Rico.

Brachystomella anomala Womersley, 1933

PARATYPE, COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Brachystomella anomala* Womersley (2176) p. 60, figs. 5 a-g; Australia.
1939. *Brachystomella anomala* Womersley (2190) p. 115, figs. 46 N-T; Australia.

Brachystomella contorta Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Brachystomella contorta* Denis (638) p. 80, figs. 25–33; Costa Rica.

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* The original description of this species by Nicolet and the later description by Houlbert are both quite inadequate for its accurate determination.

† This genus and the species *proboscina* were named in Delamare Deboutteville's 1950 paper (570) pp. 51, 56, without a written description but with good and adequate figures. The 1950 publication must, therefore, be accepted as the date of erection of the genus though subsequent written descriptions of both the genus and species were published in 1951 (578) p. 284. In this later description the species *proboscina* is cited as the type species of the genus *Aethiopellina* and this must be accepted. Although the figures of the species *bimaculata* are in order of page priority in the paper (570) no type species for the genus was cited at this stage.

1933. *Brachystomella contorta* Denis (645) p. 223; Costa Rica; Ad. description.
1949. *Brachystomella contorta* Stach (1887) p. 308; Costa Rica.
1959. *Brachystomella contorta* Yosii (2355) p. 4, fig. 3; Malaya.

Brachystomella curvula Gisin, 1948

TYPE: Mus. Hist. Natur., Geneva.
1948. *Brachystomella curvula* Gisin (867) p. 86; Switzerland.
1950. *Brachystomella curvula* Gisin (875) p. 412, fig. 1; Systematics; differentiates from *B. parvula*.
1960. *Brachystomella curvula* Gisin (2271) p. 82, fig. 166; Switzerland.

Brachystomella fungicola Womersley, 1933

COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Brachystomella fungicola* Womersley (2176) p. 60, figs. 4 c-i; Australia.
1939. *Brachystomella fungicola* Womersley (2190) p. 113, fig. 46; Australia.
1949. *Brachystomella fungicola* Stach (1887) p. 307; West Australia.

Brachystomella granulata Womersley, 1935

SYNTYPES: Sth. Austr. Mus., Adelaide.
1935. *Brachystomella granulata* Womersley (2181) p. 207, fig. 1; Australia.
1939. *Brachystomella granulata* Womersley (2190) p. 116, figs. 46 y-z; Victoria, Australia.

Brachystomella hiemalis Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Brachystomella hiemalis* Yosii (2235) p. 20, Pl. VI, fig. 52; Pl. VII, figs. 53–58; Japan.

Brachystomella intermedia Arlé, 1939

TYPE: Mus. Nacional, Rio de Janeira, Brazil ?
1939. *Brachystomella intermedia* Arlé (62) p. 25, figs. 1–4; Rio de Janeiro.

Brachystomella maxima Cassagnau and Rapoport, 1962

1962. *Brachystomella maxima* Cassagnau and Rapoport (2446) p. 156, fig. 11; Brazil, Recife.

Brachystomella nubila Gisin, 1957

TYPE: Mus. Hist. Natur., Geneva.
1957. *Brachystomella nubila* Gisin (900) p. 475, figs. 1–4; Switzerland.
1960. *Brachystomella nubila* Gisin (2271) p. 81, figs. 163, 164; Switzerland.

Brachystomella osextara Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Brachystomella osextara* Salmon (1676) p. 303, Pl. 45, figs. 88–90; New Zealand.

Brachystomella parvula (Schaeffer) 1896

1896. *Schöttella parvula* Schaeffer (1735) p. 176, figs. 35, 61; Germany.
1897. *Schöttella parvula* Poppe & Schaeffer (1607) p. 267; Germany.
1899. *Schöttella minor* Scherbakow (1753) p. 79; Russia.
1900. *Schöttella media* Axelson (75) p. 110; Finland. Cf. Axelson (1292).
1901. *Schötella parvula* Absolon (11) p. 38; Czechoslovakia.
1901. *Achorutes parvulus* Borner (234) p. 31; Germany.
1901. *Schöttella albomaculata* Carl (354) p. 254, figs. 9–15; Europe. Cf. Denis (639).
1901. *Schöttella parvula* Krausbauer (1204) p. 90; Germany.
1902. *Achorutes* (*Schöttella*) *crassicornis* Schött (1772) p. 10, Pl. II, figs. 8–12; Arctic. Cf. Axelson (1292).

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1903. *Brachystomella maritima* Agren (54) p. 127; Sweden. Cf. Stach (1887).
1905. *Achorutes* (*Schöttella*) *parvulus* Axelson (81) p. 25; Tvärminne, Finland.
1905. *Schöttella media* Axelson (81) p. 25; Tvärminne, Finland.
1906. *Achorutes crassicornis* Wahlgren (2080) p. 244, fig. 11; Sweden. Cf. Axelson (1292).
1906. *Brachystomella maritima* Wahlgren (2080) p. 244; Sweden.
1907. *Achorutes parvulus* Axelson (83) p. 1; Finland.
1912. *Hypogastrura* (*Schöttella*) *parvula* Axelson (1292) p. 37, Pl. IV, figs. 18–22; Finland.
1919. *Hypogastrura parvula* Axelson (1293) p. 5; Arctic Urals; Synonymy.
1921. *Schoettella parvula* Denis (607) p. 124; France.

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *H.* (*Schöttella*) *parvula* Denis (614) p. 290; France.
1924. *Chondrachorutes wahlgreni* Denis (616) p. 219, figs. 26–30; Africa.
1925. *Brachystomella parvula* Stach (1867) p. 81; Hungary.
1927. *Schöttella parvula* Börner (254) p. 188, figs. 2 a-d; Palestine.
1927. *Chondrachorutes wahlgreni* Denis (629) p. 180; Italy.
1927. *Schöttella parvula* Handschin (999) p. 298; Westfalian peat bogs.
1928. *Schöttella parvula* Handschin (1005) p. 5; Algeria.
1929. *Brachystomella parvula* Bonet (200) p. 797; Spain.
1929. *Schöttella parvula* Edwards (715) p. 312; Ecology.
1929. *Schöttella parvula* Handschin (1008) p. 28; Germany; Mid. Europe; North Africa; Palestine.
1929. *Brachystomella parvula* Stach (1868) p. 363, Pl. 19; Hungary; Switzerland; France; Sweden; Finland; Germany, Poland; Synonymy.
1929. *Brachystomella parvula* Stach (1869) p. 281; Hungary.
1931. *Brachystomella parvula* Bonet (205) p. 252; Moravian caves.
1931. *Brachystomella parvula* Denis (639) p. 204; Germany; Synonymy.
1932. *Brachystomella* (*Schöttella*) *parvula* Durkop (706) p. 234; Germany.
1933. *Brachystomella parvula* Denis (645) p. 223; Costa Rica.
1933. *Brachystomella parvula* Schubert (1787) p. 217; Ecology.
1933. *Brachystomella parvula* Womersley (2176) p. 59; figs. 4 a-d; Australia.
1934. *Brachystomella parvula* Davies (522) p. 117; Wales; Synonymy.
1934. *Brachystomella* (*Schöttella*) *parvula* Durkop (707) p. 494; Finland; Germany.
1934. *Brachystomella parvula* Mills (1417) p. 18, figs. 28–30; Iowa; Palestine; Europe.
1934. *Brachystomella parvula* Womersley (2177) pp. 450, 468; Cosmopolitan.
1936. *Brachystomella parvula* Nordberg (1500) p. 34; Ecology.
1936. *Brachystomella parvula* Womersley (2183) p. 319; New Zealand.

1937. *Brachystomella parvula* Frenzel (828) p. 296; Ecology.
1938. *Brachystomella parvula* Kseneman (1219) p. 108; Alpine.
1938. *Brachystomella parvula* Kseneman (1220) p. 11; Europe; Africa.
1939. *Brachystomella parvula* Bagnall (119) p. 93; Britain.
1939. *Brachystomella parvula* Womersley (2190) p. 112, Pl. II, figs. 1–4, fig. 46 D; Australia.
1941. *Brachystomella parvula* Salmon (1676) p. 302, figs. 91–93; New Zealand.
1942. *Brachystomella parvula* Handschin (1012) p. 445· Palestine.
1942. *Brachystomella parvula* Marlier (1375) p. 8; Belgium.
1943. *Brachystomella parvula* Agrell (47) p. 124; Sweden.
1943. *Brachystomella parvula* Gisin (853) p. 148; Switzerland.
1945. *Brachystomella parvula* Agrell (50) p. 11; Finland; habitat.
1947. *Brachystomella parvula* Del. Deb. (550) p. 127; France.
1948. *Schöttella parvula* Franz & Beier (821) p. 454; Ecology.
1948. *Brachystomella parvula* Gisin (867) p. 80; Switzerland.
1948. *Schøttella parvula* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Brachystomella parvula* Stach (1887) p. 310, Pl. XXXII; Poland; Styria; Hungary; Revised description.
1949. *Brachystomella parvula* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Brachystomella parvula* Del. Deb. (570) pp. 143, 281; France.
1950. *Brachystomella parvula* Denis (680) p. 4; France.
1951. *Brachystomella parvula* Del. Deb. & Cassagnau (593) p. 400; France.
1951. *Schöttella parvula* Praport (1610) p. 139; Poland.
1951. *Brachystomella parvula* Schaller (1746) p. 463; Ecology.
1951. *Brachystomella parvula* Stach (1889) p. 62, figs. 30 A-D; Cosmopolitan.
1952. *Brachystomella parvula* Baudissin (152) p. 54; Ecology.
1953. *Brachystomella parvula* Cassagnau (415) p. 72; France.
1953. *Brachystomella parvula* Del. Deb. (585) p. 823; Kilimandjaro.
1954. *Brachystomella parvula* Salt (1723) p. 418; Kilimanjaro; Ecology.
1954. *Brachystomella parvula* Strenzke (1925) p. 50; Germany.
1955. *Brachystomella parvula* Goto (921) p. 267; Britain.
1955. *Brachystomella parvula* Stach (1893) p. 82, figs. 197–200; Cosmopolitan.
1955. *Brachystomella parvula* Strenzke (1926) p. 22; Europe.
1956. *Brachystomella parvula* Bockemuhl (193) p. 133; Spitzbergen.
1956. *Brachystomella parvula* Husmann (1084) p. 144; Germany.
1956. *Schöttella parvula* Loksa (1310) p. 386; Ecology.
1956. *Brachystomella parvula* Wray & Knowlton (2215) p. 7; Utah.
1957. *Brachystomella parvula* Gisin (899) p. 461, Pl. XLV, fig. 4.
1957. *Brachystomella parvula* Gisin (900) p. 475, figs. 2, 4.
1957. *Brachystomella parvula* Strebel (1920) p. 470.
1958. *Brachystomella parvula* Grindbergs (2277) p. 192; Latvia.
1958. *Brachystomella parvula* Holler-Land (2283) p. 110; Ecology.
1958. *Brachystomella parvula* Kholova (1169) p. 234; Bohemia.
1958. *Brachystomella parvula* Nosek (1503) p. 358; Czechoslovakia.
1958. *Brachystomella parvula* von Torne (1993) p. 661; Austria.
1959. *Brachystomella parvula* Da Gama (494) p. 12; Madeira.
1959. *Brachystomella parvula* Da Gama (2266) p. 7; Portugal.
1959. *Brachystomella parvula* Paclt (2316) p. 31; South Africa.
1959. *Brachystomella parvula* Rapoport (2324) p. 84, figs. 27–34; Argentina.
1959. *Brachystomella parvula* Stach (1896) p. 16; Poland.
1959. *Brachystomella parvula* Wilkey (2350) p. 222; California.
1960. *Brachystomella parvula* Gisin (2271) p. 81, figs. 17, 165, 166; Finland, Spain; Synonymy.
1960. *Brachistomella parvula* Grindbergs (2373) p. 29; U.S.S.R.

Brachystomella parvula africana Yosii, 1959

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1959. *Brachystomella parvula africana* Yosii (2353) p. 4, fig. 2; South Africa.

Brachystomella porcus Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Brachystomella porcus* Denis (645) p. 223, figs. 1–6; Costa Rica.

Brachystomella septemoculata Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Brachystomella 7-oculata* Denis (638) p. 79, figs. 21–24; Costa Rica.
1933. *Brachystomella 7-oculata* Denis (645) p. 223; Costa Rica.
1949. *Brachystomella 7-oculata* Stach (1887) p. 308; Costa Rica.

Brachystomella stachi Mills, 1934

COTYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Brachystomella stachi* Mills (1417) p. 19, figs. 31–35; Iowa.
1938. *Brachystomella stachi* Brimley (275) p. 14; North Carolina.
1938. *Brachystomella stachi* Mills (1421) p. 14; North Carolina.
1949. *Brachystomella stachi* Stach (1887) p. 307; Iowa; Florida, U.S.A.
1954. *Brachystomella stachi* Bellinger (174) p. 19; Connecticut.

Brachystomella surendrai Goto, 1961

HOLOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
PARATYPES: Zool. Surv. of India, Calcutta.
1961. *Brachystomella surendrai* Goto (2474) p. 124, figs. 1–26; N.W. India.

Brachystomella terrafolia Salmon, 1944

TYPE: Dominion Mus., Wellington, New Zealand.
1944. *Brachystomella terrafolia* Salmon (1683) p. 135. Pl. 56, figs. 46–50; New Zealand.
1948. *Brachystomella terrafolia* Salmon (1687) p. 291; Three Kings Is., New Zealand.

1949. *Brachystomella terrafolia* Stach (1887) p. 308; New Zealand.

Brachystomella tuberculata (Wahlgren) 1906

1906. *Chondrachorutes tuberculatus* Wahlgren (2079) p. 5, figs. 1–6; Falkland Is.
1912. *Chondrachorutes tuberculata* Enderlein (725) p. 56; Falkland Is.
1933. *Chondrachorutes tuberculata* (Nic.) Turk (2007) p. 93; Britain.
1949. *Brachystomella tuberculata* Stach (1887) p. 307; East Falklands.

Brachystomella villa-lobosi Cassagnau and Rapoport, 1962

1962. *Brachystomella Villa-Lobosi* Cassagnau and Rapoport (2446) p. 154, fig. 10; Brazil, Recife.

Brachystomella wahlgreni (Denis) 1924

1924. *Chondrachorutes wahlgreni* Denis (616) p. 219, figs. 26–30; Côte d'Or.
1925. *Chondrachorutes wahlgreni* Denis (617) p. 210; Italy.
1927. *Chondrachorutes wahlgreni* Denis (629) p. 180; Italy.
1928. *Chondrachorutes wahlgreni* Jackson (1121) p. 301, fig. 1; England.

Genus: BRACHYGASTRURA Rapoport, 1962 (2534) p. 443.

Type species fixed: *B. cyanea* Rapoport, 1962 (2534) p. 443.

Brachygastrura cyanea Rapoport, 1962

1962. *Brachystomella cyanea* Rapoport (2534) p. 443, figs. 1–8; Argentina.

Genus XENYLLODES Axelson, 1903 (77) p. 3.

Type species fixed: *X. armatus* Axelson, by Stach, 1949 (1887) p. 261.

Xenyllodes armatus Axelson, 1903

1903. *Xenyllodes armatus* Axelson (77) p. 4; Finland.
1905. *Xenyllodes armatus* Axelson (81) p. 27; Tvärminne, Finland.
1907. *Xenyllodes armatus* Axelson (83) p. 128; Finland.
1912. *Xenyllodes armatus* Axelson (1292) p. 68, Pl. 1, fig. 4, Pl. VI, figs. 26–34; Finland; Diagnosis.
1927. *Xenyllodes armatus* Denis (629) p. 178; Italy.

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1929. *Xenyllodes armatus* Handschin (1008) p. 36, figs. 50–52; Finland; Italy.
1934. *Xenyllodes armatus* Durkop (707) p. 494; Finland.
1937. *Xenyllodes armatus* Frenzel (828) p. 302; Ecology.
1938. *Xenyllodes armatus* Kseneman (1219) p. 107; Alpine.
1938. *Xenyllodes armatus* Kseneman (1220) p. 9; Europe.
1939. *Xenyllodes armatus* Bagnall (120) p. 191; Britain.
1943. *Xenyllodes armatus* Gisin (853) p. 145; Switzerland.
1947. *Xenyllodes armatus* Del. Deb. (550) p. 131, fig. 2; France.
1949. *Xenyllodes armatus* Bagnall (130) p. 55; Britain.
1949. *Xenyllodes armatus* Stach (1887) p. 331, Pl. XXXV, Poland.
1949. *Xenyllodes armatus* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Xenyllodes armatus* Del. Deb. (570) pp. 47, 238, fig. 9; France.
1950. *Xenyllodes armatus* Wray (2201) p. 99, figs. 26–30; North Carolina.
1950. *Xenyllodes armatus* Wray (2202) p. 6; North Carolina.
1951. *Xenyllodes armatus* Schaller (1746) p. 483; Ecology.
1951. *Xenyllodes armatus* Stach (1889) p. 13, figs. 6 f, 9 c.
1953. *Xenyllodes armatus* Hammer (972) p. 23; North Canada; Alaska.
1955. *Xenyllodes armatus* Stach (1893) p. 81, figs. 190–192; Europe.
1955. *Xenyllodes armatus* Strenzke (1926) p. 22; Germany; Ireland.
1956. *Odontella* (*Xenyllodes*) *armata* Bockemuhl (193) p. 132; Spitzbergen.
1956. *Xenyllodes armatus* Paclt (1541) pp. 20, 103, fig. 20; Biology.
1957. *Xenyllodes armatus* Bodvarsson (2252) p. 12; Iceland.
1957. *Odontella armata* Gisin (899) p. 461, Pl. XLV, fig. 2; Taxonomy.
1958. *Xenyllodes armatus* Grindbergs (2277) p. 192; Latvia.
1958. *Xenyllodes armatus* Kholova (1169) p. 234; Bohemia.
1958. *Xenyllodes armatus* von Torne (1993) p. 661; Austria.
1959. *Xenyllodes armatus* Da Gama (494) p. 13; Madeira.
1959. *Xenyllodus armatus* Da Gama (2266) p. 7; Portugal.
1959. *Xenyllodes armatus* Paclt (2317) p. 338; Czechoslovakia.
1959. *Xenyllodes armatus* Stach (1896) p. 16; Poland.
1960. *Odontella armata* Gisin (2271) p. 77, figs. 154, 155; Europe.
1960. *Odontella* (*Xenyllodes*) *armata* Grindbergs (2373) p. 29; U.S.S.R.

Xenyllodes armatus unispina Bagnall, 1939

1939. *Xenyllodes armatus unispina* Bagnall (120) p. 191; Britain.

Xenyllodes cavernicola Womersley, 1930

1930. *Xenyllodes cavernicola* Womersley (2165) p. 33, figs. 1–6; Britain.
1953. *Xenillodes cavernicola* Hazelton & Glennie (1037) p. 273; Britain.

Xenyllodes nivalis Cassagnau, 1959

TYPE: Author's Pers. Colln.

1959. *Xenyllodes nivalis* Cassagnau (2262) p. 76, fig. 4; France.

Genus: PSEUDONTELLA* Salmon, 1942 (1679) p. 55.

Type species fixed: *P. forsteri* Salmon, 1942 (1679) p. 55.

Pseudontella forsteri Salmon, 1942

TYPE: Dominion Mus., Wellington, N.Z.

1942. *Pseudontella forsteri* Salmon (1679) p. 56, Pl. 18, figs. 1–8; New Zealand.
1943. *Pseudontella forsteri* Salmon (1680) p. 377; N.Z.

* Re-examination of the type species of this genus shows that it has a claw-like maxilla but no mandibles. The mouth parts are extremely small and projecting as a small cone from the ventral surface of the head. This cone bears two setae, one to each side, posteriorly.

Genus: TRIODONTELLA Stach, 1949 (1887) p. 261.

Type species fixed: *T. trispina* (Womersley), by Stach, 1949 (1887) p. 261.

Triodontella trispina (Womersley) 1935

TYPE, SYNTYPES: Sth. Austr. Mus., Adelaide.

1935. *Odontella trispina* Womersley (2181) p. 208, fig. 1; Australia.
1939. *Odontella trispina* Womersley (2190) p. 104, figs. 43 I-N; South Australia.
1949. *Triodontella trispina* Stach (1887) p. 261; Systematics.

Genus: ODONTELLA Schaeffer, 1897 (1736) p. 9.

Type species fixed: *O. loricata* Schaeffer, by Stach, 1949 (1887) p. 262.

Odontella arvensis Paclt, 1961

1961. *Odontella arvensis* Paclt (2520) p. 85, 1 fig.; Czechoslovakia.

Odontella bayeri (Kseneman) 1935

1935. *Xenyllodes bayeri* Kseneman (1213) p. 4, figs. 1–5; Czechoslovakia.
1955. *Xenyllodes bayeri* Palissa (1545) p. 482; Ecology.
1956. *Odontella* (*Xenyllodes*) *bayeri* Bockemuhl (193) p. 132; Spitzbergen.
1957. *Odontella* (*Xenyllodes*) *bayeri* Gisin (899) p. 461, Pl. XLV, fig. 1; Europe.
1960. *Odontella bayeri* Gisin (2271) p. 77; Europe.

Odontella caeca Gisin 1952

TYPE: Mus. Hist. Natur., Geneva.

1952. *Odontella* (*Xenyllodes*) *caeca* Gisin (882) p. 3; Switzerland.
1957. *Odontella caeca* Gisin (898) p. 110; Switzerland.
1960. *Odontella caeca* Gisin (2271) p. 77; Switzerland.

Odontella cornifer Mills, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.

1934. *Odontella cornifer* Mills (1417) p. 25, figs. 58–61; Iowa.
1938. *Odontella cornifer* Brimley (275) p. 14; North Carolina.
1938. *Odontella cornifer* Mills (1421) p. 42; N. Carolina.
1949. *Odontella cornifer* Stach (1887) p. 320; Iowa, U.S.A.
1959. *Odontella cornifer* Wilkey (2350) p. 222; California.

Odontella emineodentata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Odontella emineodentata* Salmon (1683) p. 125, Pl. 54, figs. 5–8; New Zealand.
1949. *Odontella emineodentata* Stach (1887) p. 320; D'Urville Is., N.Z.

Odontella empodialis Stach, 1934

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.

1934. *Odontella empodialis* Stach (1874) p. 442, Pl. 29, figs. 8, 11, 14, 16; Austria.
1949. *Odontella empodialis* Stach (1887) p. 318; Austria.
1957. *Odontella empodialis* Gisin (898) p. 119; Switzerland.
1957. *Odontella empodialies* Gisin (899) p. 461, Pl. XLV, fig. 3.
1959. *Odontella empodialis* Haybach (2375) Tab. VIII; Ecology.
1959. *Odontella empodialis* Paclt (2316) p. 31; South Africa.
1960. *Odontella empodialis* Gisin (2271) p. 78, figs. 158–160; Europe.

Odontella gisini Da Gama, 1961

1961. *Odontella gisini* Da Gama (2453) p. 10, fig. 1; Portugal.

Odontella japonica Kinoshita, 1932

1932. *Odontella japonica* Kinoshita (1178) p. 2115 and figs; Japan.
1938. *Odontella japonica* Uchida (2015) p. 7; Japan.
1950. *Odontella japonica* Kinoshita & Uchida (1179) p. 10 & figs.; Japan.
1956. *Odontella japonica* Uchida (2036) p. 28; Japan.

Odontella lamellifera (Axelson) 1903

1903. *Odontella suecica* Agren (54) p. 128; Sweden. Cf. Gisin (2271).
1903. *Xenyllodes lamellifer* Axelson (77) p. 3; Finland.
1905. *Odontella lamellifera* Axelson (81) p. 27; Tvärminne, Finland.
1906. *Odontella suecica* Wahlgren (2080) p. 233; Sweden.
1907. *Odontella lamellifera* Axelson (83) p. 128; Finland.
1910. *Xenyllodes lamellifer* Becker (162) p. 360; Morphology.
1912. *Odontella lamellifera* Axelson (1292) p. 66, Pl. 1, fig. 5; Pl. VI, fig. 35; Pl. VII, figs. 1, 2; Finland; Distribution.
1924. *Odontella lamellifera* Handschin (981) p. 97, figs. 44–51; Switzerland.
1926. *Odontella lamellifera* Stirnimann (1907) p. 251; Ecology.
1929. *Odontella lamellifera* Handschin (1008) p. 35, figs. 47–49; Switzerland; Sweden; Russia; Finland.
1934. *Odontella lamellifera* Stach (1874) p. 436; figs. 1, 2, 5, 6; Distribution; Systematics.
1936. *Odontella lamellifera* Tarsia in Curia (1951) p. 20; Italy.
1937. *Odontella lamellifera* Kseneman (1217) p. 466; Carpathians.
1938. *Odontella lamellifera* Kseneman (1220) p. 9; Europe.
1938. *Odontella lamellifera* Womersley (2176) p. 57, fig. 3 f-h; Australia.
1939. *Odontella lamellifera* Womersley (2190) p. 103, fig. 43 E-H; South Australia.
1943. *Odontella lamellifera* Agrell (47) p. 124; Sweden.
1943. *Odontella lamellifera* Gisin (853) p. 147; Switzerland.
1947. *Odontella lamellifera* Del. Deb. (550) p. 132, figs. 3 a-g; France; Added descr.
1949. *Odontella lamellifera* Stach. (1887) p. 320; East Carpathians; Poland; West Ukraine; Finland; Switzerland; Revised descr.
1949. *Odontella lamellifera* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Odontella lamellifera* Del. Deb. (570) p. 147, fig. 36; France.
1951. *Odontella lamellifera* Stach (1889) p. 23, fig. 12 D.
1952. *Odontella lamellifera* Gisin (882) p. 3; Systematics.
1953. *Odontella lamellifera* Del. Deb. (584) p. 296; Algeria.
1953. *Odontella lamellifera* Del. Deb. (587) p. 485; Algeria; Ecology.
1955. *Odontella lamellifera* Stach (1893) p. 81; Europe.
1956. *Odontella lamellifera* Bockemuhl (193) p. 132; Spitzbergen.
1956. *Odontella lamellifera* Paclt (1541) p. 103; Biology.
1957. *Odontella lamellifera* Gisin (901) p. 476; Madeira.

1958. *Odontella lamellifera* Grindbergs (2277) p. 192; Latvia.
1958. *Odontella lamellifera* von Torne (1993) p. 661; Austria.
1959. *Odontella lamellifera* Da Gama (2266) p. 7; Portugal.
1959. *Odontella lamellifera* Stach (1896) p. 61; North Europe.
1960. *Odontella lamellifera* Gisin (2271) p. 77, figs. 156, 157; Europe.
1960. *O.* (*Odontella*) *lamellifera* Grindbergs (2373) p. 29; U.S.S.R.
1960. *Odontella lamellifera inermis* Grindbergs (2373) p. 29; Synonymy.

Odontella loricata Schaeffer, 1897

1897. *Odontella loricata* Schaeffer (1736) p. 9, figs. 11–16; Chile.
1949. *Odontella loricata* Stach (1887) p. 317; Chile.

Odontella nana Cassagnau, 1953

TYPE: Author's Pers. Colln., Toulouse Univ., France.
1953. *Odontella nana* Cassagnau (415) p. 73, fig. 4; France.
1960. *Odontella nana* Gisin (2271) p. 80; Pyrénées.

Odontella pseudolamellifera (Stach) 1934

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1934. *Odontella lamellifera inermis* Stach (1874) p. 441, Pl. 29, figs. 3, 7, 10, 17, 18; Poland; Slovakia; Italy.
1949. *Odontella pseudolamellifera* Stach (1887) p. 325, Pl. XXXIII, figs. 7–14; Pl. XXXIV, figs. 3, 4.
1955. *Odontella pseudolamellifera* Stach (1893) pp. 81, 195, 196; Poland; Slovakia; Italy.
1960. *Odontella lamellifera inermis* Gisin (2271) p. 79.
1960. *Odontella pseudolamellifera* Gisin (2271) p. 79; Europe.
1960. *O.* (*Odontella*) *pseudolamellifera* Grindbergs (2373) p. 29; U.S.S.R.

Odontella scabra Stach, 1946

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1946. *Odontella scabra* Stach (1884) p. 25, Pl. VIII, figs. 1–8; Styria.
1949. *Odontella scabra* Stach (1887) p. 319; Styria.
1960. *Odontella scabra* Gisin (2271) p. 79; Styria.

Odontella septemlobata Salmon, 1954

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1954. *Odontella septemlobata* Salmon (1698) p. 4, figs. 13–19; East Africa.

Odontella stachi Denis, 1947

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1947. *Odontella stachi* Denis (674) p. 1, fig. 1; France.
1949. *Odontella stachi* Stach (1887) p. 318; France.
1960. *Odontella stachi* Gisin (2271) p. 80; France.

Odontella sublamellifera Denis, 1948

1948. *Odontella sublamellifera* Denis (676) p. 189, fig. 2; Indochina.

Odontella substriata Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Odontella substriata* Wray (2204) p. 104, figs. 48, 49; Illinois.

Odontella suecica Ågren, 1903

1903. *Odontella suecica* Ågren (54) p. 128; Sweden.
1906. *Odontella suecica* Wahlgren (2080) p. 246; Sweden.

Genus: ODONTELLODES Stach, 1949 (1887) p. 262.
Type species fixed: *O. thauma* (Börner) by Stach, 1949 (1887) p. 262.

Odontellodes thauma (Borner) 1909

1909. *Odontella thauma* Borner (246) p. 106; Japan.
1938. *Odontella thanma* Uchida (2015) p. 7, *lapsus calami*; Japan.
1949. *Odontellodes thauma* Stach (1887) p. 262; Taxonomy.
1956. *Odontella thauma* Uchida (2036) p. 28; Japan.

Genus: FOLSOMIELLA Bonet, 1930 (202) p. 135.
= *Organella* Arlé, 1959 (2250) p. 158.
Type species fixed: *F. caeca* (Folsom) by Stach, 1949 (1887) p. 259; monotype.

Folsomiella albida (Arlé) 1959

TYPE: Mus. Nacional, Rio de Janeiro, Brazil.
1959. *Organella albida* Arlé (2250) p. 159, figs. 4–8; Brazil.

Folsomiella caeca (Folsom) 1927

PARATYPES: U.S. Nat. Mus., Washington D.C.
1927. *Achorutes* (*Schöttella*) *caecus* Folsom (799) p. 4, Pl. 4, figs. 31–38; Central America.
1930. *Hypogastrura* (*Folsomiella*) *caeca* Bonet (202) p. 136; Panama.
1931. *Hypogastrura* (*Folsomiella*) *caeca* Bonet (205) p. 375; Panama, in caves.
1931. *Hypogastrura* (*Schöttella*) *caecua* Denis (638) p. 162; Costa Rica.
1949. *Folsomiella caeca* Stach (1887) p. 259; Central America; Brazil.

Folsomiella intermedia (Arlé) 1939

TYPE: Mus. Nacional, Rio de Janeiro, Brazil.
1939. *Brachystomella intermedia* Arlé (62) p. 25, figs. 1–4; Rio de Janeiro.
1949. *Folsomiella intermedia* Stach (1887) p. 306; Brazil.
1959. *Organella intermedia* Arlé (2250) p. 159, figs. 1–3; Brazil.

Genus: BONETELLA Stach, 1949 (1887) p. 259.
Type species fixed: *B. terricola* (Womersley) by Stach 1949 (1887) p. 259.

Bonetella terricola (Womersley) 1934

COTYPES: Sth. Austr. Mus., Adelaide.
1934. *Brachystomella terricola* Womersley (2180) p. 245, fig. 2; West Australia.
1939. *Brachystomella terricola* Womersley (2190) p. 116, figs. 46 u-x.
1949. *Bonetella terricola* Stach (1887) p. 259; Taxonomy.

Genus: SUBCLAVONTELLA Stach, 1949 (1887) p. 263.
Type species fixed: *S. acantha* (Womersley) by Stach, 1949 (1887) p. 263.

Subclavontella acantha (Womersley) 1933

COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Brachystomella acantha* Womersley (2176) p. 59, figs. 3 k-m; Australia.
1939. *Brachystomella acantha* Womersley (2190) p. 113, figs. 46 a-c; Victoria, Australia.
1949. *Subclavontella acantha* Stach (1887) p. 263; Taxonomy.

Genus: AUSTRALELLA Stach, 1949 (1887) p. 260.
Type species fixed: *A. geniculata* (Womersley), by Stach, 1949 (1887) p. 260.

Australella geniculata (Womersley) 1934

COTYPES: Sth. Austr. Mus., Adelaide.

1934. *Brachystomella geniculata* Womersley (2180) p. 244, fig. 1 a-c; Australia.
1935. *Brachystomella geniculata* Womersley (2181) p. 208; Australia.
1939. *Brachystomella geniculata* Womersley (2190) p. 116, fig. 46; South and Western Australia.
1949. *Australella geniculata* Stach (1887) p. 260; Taxonomy.

Genus: SUPERODONTELLA Stach, 1949 (1887) p. 264.
Type species fixed: *S. ewingi* (Folsom) by Stach, 1949 (1887) p. 264.

Superodontella ewingi (Folsom) 1916

COTYPE: Mus. Comp. Zool., Harvard.
COTYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.

1916. *Odontella ewingi* Folsom (787) p. 502, Pl. 21, figs. 187–197; Oregon.
1937. *Xenylla helena* Scott (1795) p. 131; California. Cf. Scott (1796).
1942. *Odontella ewingi* Scott (1796) p. 178; West U.S.A.
1946. *Odontella ewingi* Pearse (1575) p. 139; Ecology.
1949. *Superodontella ewingi* Stach (1887) p. 264; Taxonomy.
1959. *Odontella ewingi* Wilkey (2350) p. 222; California.

Genus: NEOCLAVONTELLA gen. nov.
Type species fixed: *N. caerulumbrosa* (Salmon) 1944 (1683) p. 128.

Neoclavontella anomala (Salmon) 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Clavontella anomala* Salmon (1683) p. 130, Pl. 56, figs. 34–36; New Zealand.

Neoclavontella caerulumbrosa (Salmon) 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Clavontella caerulumbrosa* Salmon (1683) p. 128, Pl. 55, figs. 28–33; New Zealand.
1948. *Clavontella caerulumbrosa* Salmon (1687) p. 291; Three Kings Is.

Neoclavontella huapensis (Cassagnau and Rapoport) 1962

1962. *Clavontella huapensis* Cassagnau and Rapoport (2446) p. 163, figs. 15, 16; South America.

Genus: ZEALANDELLA Salmon, 1942 (1679) p. 55.
= *Clavontella* Salmon, 1944 (1683) p. 126.
Type species now designated: *Z. minutadentata* (Salmon) by page priority, 1942 (1679) p. 55.

Zealandella conspicuata (Salmon) 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Clavontella conspicuata* Salmon (1683) p. 129, Pl. 54, figs. 9–16; New Zealand.

Zealandella distincta (Yosii) 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.

1954. *Odonthella* (*Clavonthella*) *distincta* Yosii (2231) p. 785, fig. 6; Japan.
1956. *Odonthella distincta* Yosii (2235) p. 21, Pl. VII, fig. 59; Japan.

Zealandella minutadentata (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Odontella minutadentata* Salmon (1676) p. 297, Pl. 43, figs. 61-65; New Zealand.
1942. *Zealandella minutadentata* Salmon (1679) p. 55; Taxonomy.

Zealandella minutissima (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Odontella minutissima* Salmon (1676) p. 297, Pl. 43, figs. 66–68; New Zealand.
1942. *Zealandella minutissima* Salmon (1679) p. 55; Taxonomy.
1944. *Clavontella caerulea* Salmon (1683) p. 127, Pl. 55, figs. 17–27; New Zealand.

Zealandella similis (Yosii) 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.

1954. *Odonthella* (*Clavonthella*) *similis* Yosii (2231) p. 783, fig. 5; Japan.

Zealandella trispina (Salmon) 1951

TYPE: Author's Colln., Vic. Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.

1951. *Clavontella trispina* Salmon (1694) p. 132, figs. 5–10; Malaya.

Genus: SETANODOSA Salmon, 1942 (1679) p. 56.
Type species fixed: *S. tetrabrachta* Salmon, 1942 (1679) p. 56.

Setanodosa quinseta Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Setanodosa quinseta* Salmon (1683) p. 135, Pl. 57, figs. 51–54; New Zealand.

Setanodosa tetrabrachta Salmon, 1942

TYPE: Dominion Mus., Wellington, N.Z.

1942. *Setanodosa tetrabrachta* Salmon (1679) p. 57, Pl. 18, figs. 9–15; New Zealand.

Genus: SALMONELLA Stach, 1949 (1887) p. 258.
Type species fixed: *S. capitata* (Womersley) by Stach 1949 (1887) p. 258.

Salmonella capitata (Womersley) 1934

SYNTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.

1934. *Brachystomella capitata* Womersley (2177) pp. 450, 468, figs. 3 a-c; South Africa.
1939. *Brachystomella capitata* Womersley (2190) p. 115, figs. 46 DD-HH; South Australia.
1949. *Salmonella capitata* Stach (1887) p. 258; Taxonomy.
1959. *Brachystomella capitata* Paclt (2316) p. 31; South Africa.

Salmonella decemoculata Cassagnau and Rapoport, 1962

1962. *Salmonella decemoculata* Cassagnau and Rapoport (2446) p. 157, fig. 12; South America.

Salmonella occidentalis Arlé, 1959

TYPE: Mus. Nacional, Rio de Janeiro, Brazil.

1959. *Salmonella occidentalis* Arlé (2250) p. 160; Brazil.

Genus: MICRONELLA Arlé, 1959 (2250) p. 159.
= *Brachystomella* ad partem Ågren, 1903 (54) p. 127.
Type species fixed: *M. porcus* (Denis) by Arlé, 1959 (2250) p. 158.

Micronella porcus (Denis) 1933

1933. *Brachystomella porcus* Denis (645) p. 223; Costa Rica.
1959. *Micronella porcus* Arlé (2250) p. 160; Brazil.

Family: ANURIDAE Stach, 1949 (1888) p. 1
Genus: SUBANTARCTICA Salmon, 1949 (1689) p. 12.
Type species fixed: *S. flava* Salmon, 1949 (1689) p. 12; monotype.

Subantarctica flava Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.

1949. *Subantarctica flava* Salmon (1689) p. 13, figs. 19–30; Campbell I.

Genus: KARAMEA gen. nov.

Type species here designated: *K. megacephala* (Salmon). 1954 (1704) p. 213.

Karamea megacephala (Salmon) 1954

TYPE: Auth. Colln., Victoria Univ., Wellington, New Zealand.

1954. *Montachorutes megacephala* Salmon (1704) p. 213, T.F. 1, figs. 1–9; New Zealand.

Genus: COECOLOBA Yosii, 1956 (2235) p. 33.
= *Protanura* Borner, 1906 (243) p. 169.

Type species fixed: *C.* (*Protanura*) *lobella* (Yosii), by Yosii, 1956 (2235) p. 33.

Coecoloba hidana Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.

1956. *Coecoloba hidana* Yosii (2235) p. 36; Pl. XVIII, figs. 101–104; Pl. XIX, fig. 115.

Coecoloba kurasawana Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.

1956. *Coecoloba kursawana* Yosii (2235) p. 35; Pl. XVI, figs. 95 a and b; Pl. XVII, fig. 95; Pl. XVIII, figs. 97–100; Japan.

Coecoloba lobella (Yosii) 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.

1954. *Protanura lobella* Yosii (2232) p. 17; figs. 21–31; Japan.

1956. *Coecoloba lobella* Yosii (2235) p. 34; Pl. XVII, fig. 95; Japan.

1957. *Coecoloba lobella* Ueno (2046) p. 286; Japan.

Coecoloba odai Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.

1956. *Coecoloba odai* Yosii (2235) p. 36; Pl. XVIII, figs. 105, 106; Pl. XIX, fig. 116; Japan.

Coecoloba wakasana Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.

1956. *Coecoloba wakasana* Yosii (2235) p. 37; Pl. XVIII, figs. 107–114; Pl. XX, fig. 117; Japan.

Genus: QUATACANTHELLA Salmon, 1945 (1684) p. 68.

Type species fixed: *Q. proprieta* (Salmon) by Salmon, 1945 (1684) p. 68.

Quatacanthella proprieta (Salmon) 1941

TYPE: Dominion Mus., Wellington, New Zealand.

1941. *Polyacanthella proprieta* Salmon (1676) p. 296; Pl. 42, figs. 53–57.

1945. *Quatacanthella* (*Polyacanthella*) *proprieta* Salmon (1684) p. 68; Taxonomy.

Genus: SCHOETTELLODES Becker, 1905 (160) p. 90.

Type species fixed: *S. quadrituberculatus* Becker, by Stach, 1949 (1887) p. 256.

Schoettellodes quadrituberculatus Becker, 1905

1905. *Schöttellodes quadrituberculatus* Becker (160) p. 90; figs. 14, 15; Moscow.

1949. *Schoettellodes quadrituberculatus* Stach (1887) p. 256; Systematics.

1960. *Schoettellodes quadrituberculatus* Grindbergs (2373) p. 29; U.S.S.R.

Genus: CASSAGNAURIDA *gen. nov.*

Type species now designated: *C. dentata* (Cassagnau and Rapoport (2446) p. 175.

Cassagnaurida dentata (Cassagnau and Rapoport) 1962

TYPE: Author's (Cassagnau) pers. colln., Fac. Sci., Univ. Toulouse, France.

1962. *Ceratrimeria dentata* Cassagnau and Rapoport (2446) p. 175; fig. 23; South America.

Genus: PSEUDACHORUDINA Stach, 1949 (1888) p. 58.

Type species fixed: *P. falteronensis* (Denis) by Stach, 1949 (1888) p. 58.

Pseudachorudina alpina Stach, 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1949. *Pseudachorudina alpina* Stach (1888) p. 76, Pl. IX; Austria; Styria.

1955. *Pseudachorudina alpina* Cassagnau (422) p. 137, fig. 1B.

1960. *Pseudachorutes alpina* Gisin (2271) p. 86, figs. 174, 176, 178, 179; Austria; Italy.

Pseudachorudina angelieri Cassagnau, 1959

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.

1959. *Pseudachorudina angelieri* Cassagnau (2262) p. 76; France.

Pseudachorudina bougisi Delamare Deboutteville, 1951

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.

1951. *Pseudachorudina bougisi* Delamare Deboutteville (575) p. 56, figs. 1–8; France.

1953. *Pseudachorudina bougisi* Delamare Deboutteville (584) p. 298; Algeria.

1953. *Pseudachorudina Bougisi* Delamare Deboutteville (587) p. 485; Ecology; Algeria.

1955. *Pseudachorudina bougisi* Cassagnau (422) p. 144, fig. 1; Holarctic.

1955. *Pseudachorudina bougisi* Gisin (890) p. 142; Switzerland.

1956. *Pseudachorutes bougisi* Bockemuhl (193) p. 133; Spitzbergen.

1957. *Pseudachorutes bougisi* Gisin (900) p. 477; Europe.

1957. *Pseudachorutina bougisi* Selga (1805) p. 114; Galicia.

1959. *Pseudachorudina bougisi* Da Gama (2266) p. 9; Portugal.

1960. *Pseudachorutes bougisi* Gisin (2271) p. 85, figs. 168–169; Spain; Algeria.

Pseudachorudina coiffaiti Cassagnau, 1955

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.

PARATYPE: Brit. Mus. Nat. Hist., London.

1955. *Pseudachorudina coiffaiti* Cassagnau (422) p. 145, figs. 1, 3, 4; Holarctic.

1960. *Anurida coiffaiti* Gisin (2271) p. 87; Pyrenees.

Pseudachorudina conjungens Stach, 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1949. *Pseudachorudina conjungens* Stach (1888) p. 73, Pl. VIII; Poland; Ukraine.

1955. *Pseudachorutes palmiensis* Cassagnau (422) p. 148, figs. 2, 6–8; Holarctic.

1955. *Pseudachorudina conjungens* Stach (1893) p. 70, figs. 158–160; Carpathians.

Pseudachorudina evansi (Womersley) 1936

SYNTYPES: Sth. Austr. Mus., Adelaide.

1936. *Pseudachorutes evansi* Womersley (2182) p. 475, fig. 1, a-f; Australia.

1939. *Pseudachorutes evansi* Womersley (2190) p. 109, fig. 45, H-M; Tasmania.

1949. *Pseudachorudina evansi* Stach (1888) p. 71; Tasmania.

Pseudachorudina mabirensis (Philiptschenko) 1926

1926. *Pseudachorutes mabirensis* Philiptschenko (1592) p. 181, figs. 1–4; East Africa.
1929. *Pseudachorutes mabirensis* Handschin (1007) p. 27; East Africa.
1949. *Pseudachorutes mabirensis* Stach (1888) p. 97; East Africa.
1954. *Pseudachorudina mabirensis* Salmon (1698) p. 6, figs. 25–38; ad. descr.

Pseudachorudina palmiensis (Börner) 1903

TYPE: Deutsch. Entom. Inst., Berlin.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1903. *Pseudachorutes palmiensis* Börner (239) p. 133, fig. 2; Italy.
1925. *Pseudachorutes palmiensis* Denis (617) p. 210; Italy.
1948. *Pseudachorutes palmiensis secunda* Denis (677) p. 1; Corsica; cf. Gisin (2271).
1949. *Pseudachorudina palmiensis* Stach (1888) p. 72; Italy.
1949. *Pseudachorudina conjugens* Stach (1888) p. 73, Pl. VIII; cf. Gisin (2271).
1955. *Pseudachorutes palmiensis* Cassagnau (422) p. 148, figs. 2, 6–8; France; Spain; Switzerland.
1958. *Pseudachorutes palmiensis* Steiner (2342) p. 76, fig. 6; North Spain.
1959. *Pseudachorudina palmiensis* Da Gama (494) p. 15, fig. VII; Madeira.
1959. *Pseudachorudina palmiensis* Da Gama (2266) p. 9; Portugal.
1960. *Pseudachorutes palmiensis* Gisin (2271) p. 86, fig. 177; Italy.
1960. *Pseudachorutes* (*Pseudachorutes*) *palmiensis* Grindbergs (2373) p. 30; U.S.S.R.

Pseudachorudina tasmaniensis (Womersley) 1936

SYNTYPES: Sth. Austr. Mus., Adelaide.
1936. *Pseudachorutes tasmaniensis* Womersley (2182) p. 475, fig. 1, g-l; Tasmania.
1939. *Pseudachorutes tasmaniensis* Womersley (2190) p. 109, fig. 4, J, N-S; Tasmania.
1942. *Pseudachorutes tasmaniensis* Womersley (2193) p. 23; Australia.
1949. *Pseudachorudina tasmaniensis* Stach (1888) p. 73; Tasmania.

Genus: GRANANURIDA Yosii, 1954 (2231) p. 788.
Type species fixed: *G. tuberculata* Yosii, 1954 (2231) p. 789.

Grananurida tuberculata Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Grananurida tuberculata* Yosii (2231) p. 789, fig. 9; Japan.

Genus APHOROMMA MacGillivray, 1893 (1342) p. 314.
= *Anoura* Nicolet, 1847 (1496) p. 387.
= *Aphoroma* Dalla Torre, 1895 (498).
= *Hypanurida* Denis, 1931 (639) p. 206.
Type species fixed: *A. granaria* (Nicolet) by MacGillivray, 1893 (1342) p. 314.

Aphoromma flavescens (Kseneman) 1936

1936. *Hypanurida flavescens* Kseneman (1214) p. 104; Central Europe.
1938. *Hypanurida flavescens* Kseneman (1220) p. 10; Central Europe.

Aphoromma granaria (Nicolet) 1847

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1847. *Anoura granaria* Nicolet (1496) p. 387; Paris, France.
1859. *Anura granaria* Muller (1468) p. 32; France.
1862. *Anoura granaria* Lubbock (1315) p. 601; England.
1869. *Anurida granaria* Tullberg (2001) p. 20; Scandinavia.
1871. *Anurida granaria* Tullberg (2002) p. 155; Sweden.
1872. *Anurida granaria* Tullberg (2003) p. 56, Pl. XII, figs. 13–17; Sweden.
1873. *Anoura granaria* Lubbock (1318) p. 198, Pl. 49.
1888. *Anurida granaria* Dalla Torre (497) p. 145; Tyrol.
1889. *Anurida granaria* Moniez (1440) p. 262; France; habitats.
1891. *Anoura granaria* MacGillivray (1341) p. 276; Ohio.
1891. *Anurida granaria* Moniez (1447) p. 71; France.
1891. *Anurida granaria* Uzel (2050) p. 76; Bohemia.
1893. *Aphoromma granaria* MacGillivray (1342) p. 314; North America.
1895. *Anurida granaria* Reuter (1643) p. 33; Finland; North and Mid Europe.
1896. *Anurida granaria* Schaeffer (1735) p. 164; Germany.
1897. *Anurida granaria* Carpenter (365) p. 231; Ireland.
1897. *Anurida granaria* Lie-Pettersen (1281) p. 1; Norway.
1898. *Anurida granaria* Lie-Pettersen (1282) p. 15; Norway.
1898. *Anurida granaria* Schött (1765) p. 92; Sweden; Distribution.
1899. *Anurida granaria* Carpenter and Evans (402) p. 259; Edinburgh, Scotland.
1899. *Anurida granaria* Scherbakow (1752) p. 1; Spitzbergen.
1899. *Anurida granaria* Scherbakow (1754) p. 47; Spitzbergen.
1899. *Anurida granaria* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Anurida granaria* Carpenter (368) p. 271; Franz Josef Ld.
1900. *Anurida granaria* Schaeffer (1738) p. 240; N.E. Siberia; Spitzbergen; Franz Josef Ld.
1900. *Anurida granaria* Skorikow (1833) p. 194; Spitzbergen.
1900. *Anurida granaria* Wahlgren (2077) pp. 358, 373, 375; Siberia; Greenland; Spitzbergen; Franz Josef Ld.; Jan Mayen I.
1901. *Anurida granaria* Evans (739) p. 156; Clyde area, Scotland.
1902. *Anurida granaria* Skorikow (1835) p. 88; Spitzbergen.
1902. *Aphoromma granaria* Willem (2133) p. 279; Belgian caves.
1903. *Aphoromma granaria* Guthrie (951) p. 107, Pl. XII, figs. 10, 11; Minnesota; original description.
1905. *Anurida granaria* Axelson (81) p. 27; Tvärminne, Finland.
1905. *Anurida granaria* Axelson (82) p. 7; Reval, Russia.
1906. *Anurida granaria* Lie-Pettersen (1284) p. 57; Norway.
1906. *Aphoromma granaria* Wahlgren (2080) p. 246; Sweden.
1907. *Anurida granaria* Axelson (83) p. 128; Finland.
1907. *Aphoromma granaria* Wahlgren (2082) p. 222; Torne Lappmark (Lapland).
1909. *Anoura granari* Dow and Smith (692) p. 36; New Jersey.

1910. *Anurida granaria* Collinge (464) p. 8; England.
1910. *Anurida granaria* Collinge and Shoebotham (472) p. 103; England.
1910. *Anurida granaria* Theobald (1964) p. 184; Gen. Economics.
1911. *Anurida granaria* Axelson (1291) p. 8; Norway.
1912. *Anurida granaria* Axelson (1292) p. 71; Finland; Systematics.
1914. *Anurida granaria* Shoebotham (1820) p. 61; Ireland.
1916. *Anurida granaria* Folsom (787) p. 506, Pl. 22, figs. 212–214; North America.
1917. *Anurida granaria* Shoebotham (1823) p. 220; England.
1919. *Anurida granaria* Brown (297) p. 64; England.
1919. *Anurida granaria* Wahlgren (2089) p. 744; Sweden.
1922. *Anurida granaria* Carpenter and Phillips (404) p. 18; Distribution; Spitzbergen; Greenland; Franz Josef Ld.; Jan Mayen I.; Nth. America; Ireland; Britain; Switzerland; Germany; Finland; Scandinavia; Nth. Siberia.
1922. *Anurida granaria* Denis (609) p. 110; Ile de Yeu, France.
1922. *Anurida granaria* Latzel (1250) p. 54; Tyrol.
1922. *Anurida granaria* Stach (1859) p. 7; Hungary.
1923. *Anurida granaria* Brown (302) p. 62; England.
1924. *Anurida granaria* Denis (614) p. 290; France.
1925. *Anurida granaria* Womersley (2148) p. 168; S.W. England.
1926. *Anurida granaria* Handschin (995) p. 130; Switzerland; Subterranean.
1927. *Anurida granaria* Carpenter (396) p. 196; Spitzbergen.
1927. *Anurida granaria* Morris (1457) p. 446; Ecology.
1928. *Anurida granaria* Jackson (1121) p. 301; England.
1928. *Anurida granaria* Remy (1624) p. 52; Greenland.
1928. *Anurida granaria* Remy (1625) p. 61; Greenland.
1928. *Anurida granaria* Summerhayes and Elton (1939) p. 226; Spitzbergen.
1928. *Anurida granaria* Womersley (2154) p. 375; S.W. England.
1929. *Anurida granaria* Bonet (200) p. 797; Spain.
1929. *Anurida granaria* Handschin (1008) p. 38; Nth. America; Europe; Palaearctic.
1930. *Anurida granaria* Mills (1414) p. 391; U.S.A.
1930. *Anurida granaria* Stach (1869) p. 282; Europe; Arctic regions of Europe and America.
1930. *Anurida granaria* Womersley (2168) p. 171; Ireland.
1931. *Anurida granaria* Bonet (205) p. 252; Ireland; Belgium.
1931. *Anurida granaria* Lindroth (1286) p. 127; Iceland.
1931. *Anurida granaria* Schött (1780) p. 70; Scandinavia.
1933. *Anurida granaria* Folsom (802) p. 937; Economics.
1933. *Anurida granaria* Griepenburg (940) p. 29; Germany.
1933. *Anurida granaria* James (1124) p. 91; Canada.
1933. *Anurida granaria* Turk (2007) p. 93; Britain.
1933. *Anurida granaria* Womersley (2176) p. 61, text-fig. 5h; Australia.
1934. *Anurida granaria* Agrell (37) p. 219; Sweden; Ecology.
1934. *Anurida granaria* Davies (522) p. 118; Wales.
1934. *Anurida granaria* Durkop (707) p. 495; Europe; Siberia; Nth. America; Arctic Is.; Nth. Africa.
1934. *Anurida granaria* Jorgensen (1145) p. 7; Greenland.
1934. *Anurida granaria* Mills (1417) p. 26; Iowa.
1934. *Anura granaria* Perrier (1576) p. 35; France.
1934. *Anurida granaria* Volz (2069) p. 175; Ecology.
1935. *Anurida granaria* Durkop (708) p. 133; Germany; Ecology.
1935. *Anurida granaria* Griepenburg (942) p. 42; Germany.
1937. *Anurida granaria* Frenzel (828) p. 296; Ecology.
1937. *Anurida granaria* Kseneman (1217) p. 466; Carpathians.
1938. *Anurida granaria* Brown (317) p. 306; England.
1938. *Anurida granaria* Hammer (968) p. 12; East Greenland.
1938. *Anurida granaria* Kseneman (1219) p. 107; Alpine.
1938. *Anurida granaria* Kseneman (1220) p. 10; Palaearctic; Ecology.
1939. *Aphoromma granaria* Bagnall (120) p. 193; Britain; Synonymy.
1939. *Anurida granaria* Griepenburg (943) p. 21; Germany.
1939. *Anurida granaria* Mills (1422) p. 159; Nth. America.
1939. *Anurida granaria* Womersley (2190) p. 105, fig. 44 E-F; Sth. Australia.
1941. *Anurida granaria* Agrell (46) p. 19; Swedish Lapland.
1942. *Anurida granaria* Haarlov (954) p. 44; Greenland.
1942. *Anurida granaria* Marlier (1375) p. 8; Belgium.
1942. *Anurida granaria* Muhlmann (1467) p. 203; Europe.
1943. *Anurida granaria* Agrell (47) p. 124; Sweden.
1943. *Anurida granaria* Gisin (853) p. 147; Switzerland.
1944. *Anurida granaria* Hammer (969) p. 61; North America; Greenland; Iceland; Jan Mayen I.; Spitzbergen; Europe; Arctic Siberia; Finland; Lapland.
1945. *Anurida granaria* Agrell (50) p. 10; Sweden; Habitats.
1947. *Anurida granaria* Del. Deb. (550) p. 130; France.
1947. *Anurida granaria* Denis (674) p. 4, fig. 2; Systematics; References.
1948. *Anurida granaria* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Anurida granaria* Salmon (1689) p. 15; Campbell I.
1949. *Anurida granaria* Schaller (1742) p. 268; Germany; Ecology.
1949. *Anurida granaria* Stach (1888) p. 13; France.
1949. *Anurida granaria* Strenzke (1922) p. 206; Germany; Ecology.
1951. *Anurida* (*Aphoromma*) *granaria* Maynard (1393) p. 64, Pl. VII, figs. 117–119; New York.
1951. *Anurida granaria* Schaller (1746) p. 492; Germany; Ecology.
1951. *Anurida granaria* Strenzke (1923) p. 84; Germany.
1951. *Anurida granaria* Uchida (2025) p. 33; Japan.
1952. *Anurida granularia* Harvey (1052) p. 369; Bioluminescence.
1953. *Anurida granaria* Hammer (972) p. 30; North Canada.
1953. *Anurida granaria* Hammer (973) p. 4; Ellesmere I., Canada.
1953. *Aphoromma granaria* Hazelton and Glennie (1037) p. 273; Britain.

1954. *Anurida granaria* Bellinger (174) p. 19; Connecticut.
1954. *Anurida granaria* Brown (295) p. 87; England; Agric. pest.
1955. *Anurida granaria* Cassagnau (422) p. 147; Holarctic.
1955. *Anurida granaria* Chopard (434) p. 18; France.
1955. *Anurida granaria* Goto (918) p. 30; British Isles.
1956. *Anurida granaria* Goto (926) p. 7; Outer Hebrides.
1956. *Anurida granaria* Paclt (1541) p. 79; Biology.
1956. *Anurida granaria* Uchida (2036) p. 29; Japan.
1956. *Anurida granaria* Yosii (2234)p. 611; Japan.
1957. *Anurida* (*Aphoromma*) *granaria* Bodvarsson (2252) p. 13; Iceland.
1958. *Anurida granaria* Grindbergs (2277) p. 192; Latvia.
1958. *Mikranurida grania* Holler-Land (2283) p. 110; Ecology.
1958. *Anurida* (*Aphoromma*) *granaria* Palissa (2318) p. 467; Germany.
1959. *Anurida granaria* Franz and Gunhold etc. (2369) p. 50; Communities.
1959. *Anurida granaria* Höller-Land (2284) p. 436; Germany; Ecology.
1959. *Anurida* (*Aphoromma*) *granaria* Lawrence (2294) p. 119; England.
1959. *Anurida* (*Aphoromma*) *granaria* Palissa (2319) pp. 278, 362; Ecology; Systematics.
1959. *Anurida granaria* Poole (1604) p. 73; Food of collemb.
1959. *Anurida granaria* Stach (1896) p. 69; Cosmopolitan.
1959. *Anurida granaria* Wilkey (2350) p. 222; California.
1960. *Anurida granaria* Gisin (2271) p. 96, figs. 19, 199 and 200.
1960. *Anurida granaria* Grindbergs (2373) p. 31; U.S.S.R.

Aphoromma mirabilis (Denis) 1931

1931. *Hypanurida mirabilis* Denis (639) p. 206, figs. 3–5; Germany.
1944. *Hypanurida mirabilis* Gisin (855) p. 13.
1960. *Hypanurida mirabilis* Gisin (2271) p. 90; = *Anurida granulata.*

Aphoromma perplexa Salmon, 1956

TYPE: Mus. Roy. Congo Belg. Tervuren.
1956. *Hypanurida perplexa* Salmon (1712) p. 12, figs. 7–13; Belgian Congo.

Genus: ANURIDELLA Willem, 1906 (2134) p. 247.
= *Anurodes* Bagnall, 1949 (130) p. 56.
Type species fixed: *A. marina* Willem, by Stach, 1949 (1888) p. 4.

Anuridella calcarata Denis. 1925

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
PARATYPE: Brit. Mus. Nat. Hist., London.
1925. *Anuridella calcarata* Denis (619) p. 243, figs. 8–13; France.
1926. *Anuridella calcarata* Denis (625) p. 207; France.
1930. *Anuridella calcarata* Womersley (2165) p. 35, figs. 7–12; Torquay, Britain.
1934. *Anuridella calcarata* Bagnall (109) p. 276; Wales.
1934. *Anuridella calcarata* Davies (521) p. 90; Wales; Synonymy.
1949. *Anuridella calcarata* Bagnall (130) p. 56; Systematics.
1951. *Anurida calcarata* Strenzke (1923) p. 84; Germany.
1953. *Anuridella calcarata* Del. Deb. (584) p. 298; France.
1954. *Anuridella calcarata* Del. Deb. (589) p. 435; France; England.
1955. *Anurida* (*Anuridella*) *calcarata* Strenzke (1926) p. 26, fig. 8; Germany; England.
1960. *Anurida calcarata* Gisin (2271) p. 92; Europe.

Anuridella immsiana Bagnall, 1939

TYPE: Brit. Mus. Nat. Hist., London.
1939. *Anuridella immsiana* Bagnall (119) p. 93; Britain.
1939. *Anuridella immsiana* Bagnall (120) p. 195; Britain.
1955. *Anurida* (*Anuridella*) *immsiana* Strenzke (1926) p. 27; Britain; Germany.
1960. *Anurida immsiana* Gisin (2271) p. 92; Britain.

Anuridella marina Willem, 1906

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1906. *Anuridella marina* Willem (2134) p. 247; France.
1922. *Anuridella maritima* Denis (609) p. 111; *lapsus calami.*
1924. *Anuridella marina* Denis (614) p. 290; France.
1925. *Anuridella marina* Willem (2136) p. 278; France.
1934. *Anuridella marina* Bagnall (109) p. 275; Durham; Scotland.
1935. *Anuridella marina* Bagnall (113) p. 100; Britain.
1947. *Anuridella marina* Del. Deb. (550) p. 130; France.
1949. *Anuridella hintoni* Bagnall (130) p. 55; Britain; cf. Goto and Del. Deb. (929).
1951. *Anurida marina* Strenzke (1923) p. 84; Germany.
1953. *Anuridella marina* Del. Deb. (584) p. 298; Brittany.
1954. *Anuridella hintoni* Goto and Del. Deb. (929) p. 132, figs. 1–5; Synonymy.
1955. *Anurida* (*Anuridella*) *marina* Strenzke (1926) p. 25; France; England.
1956. *Anuridella marina* Green (936) p. 283; Britain.
1959. *Anuridella marina* Glynne-Williams (909) p. 809; Ecology.
1960. *Anurida marina* Gisin (2271) p. 95; Europe.

Anuridella submarina Bagnall, 1934

PARATYPE (flocculated): Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1934. *Anuridella submarina* Bagnall (109) p. 276, fig. 11; Britain.
1935. *Anuridella submarina* Bagnall (113) p. 100; Britain.
1939. *Anuridella submarina* Bagnall (120) p. 195; Britain.
1951. *Anurida submarina* Strenzke (1923) p. 84; Germany.

Genus: GASTRANURIDA Bagnall, 1949 (130) p. 56.
Type species fixed: *G. denisi* (Denis) by Bagnall, 1949 (130) p. 56.

Gastranurida denisi (Denis) 1922, *nom. nov.*

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1922. *Anurida trioculata* Denis (609) pp. 108–116, fig. 1; France.
1924. *Anurida trioculata* Denis (614) p. 290; France.
1925. *Anurida trioculata* Willem (2136) p. 277, fig. 1; France.
1939. *Anurida denisi* Bagnall (119) p. 101; *nom. nov.;* Britain.
1939. *Anurida denisi* Bagnall (120) p. 192; Britain.
1940. *Anurida denisi* Bagnall (122) p. 169; Britain.
1947. *Anurida denisi* Del. Deb. (550) p. 128; France.
1949. *Anurida denisi* Stach (1888) p. 11; France.
1953. *Anurida denisi* Del. Deb. (584) p. 300; France.

1955. *Anurida denisi* Strenzke (1926) p. 24, fig. 7; Europe.
1960. *Anurida denisi* Gisin (2271) p. 89; Europe.

Gastranurida hibernica (Bagnall) 1941

TYPE: Brit. Mus. Nat. Hist., London.
1941. *Paranura hibernica* Bagnall (123) p. 221; Britain.
1949. *Gastranurida hibernica* Bagnall (130) p. 56; Britain.
1960. *Anurida hibernica* Gisin (2271) p. 89; Ireland.

Gastranurida trioculata (Kinoshita) 1916

1916. *Anurida trioculata* Kinoshita (1172) p. 457; Japan.
1951. *Anurida trioculata* Uchida (2025) p. 33; Japan.
1954. *Anurida trioculata* Yosii (2230) p. 137, figs. 15–21; Japan.
1956. *Anurida trioculata* Paclt (1541) p. 123; Biology.
1956. *Anurida trioculata* Uchida (2036) p. 29; Japan.
1956. *Anurida trioculata* Yosii (2235) p. 23, text-fig. 6; Japan.

Genus: MORULINA Börner, 1906 (243) p. 167.

Type species fixed: *M. gigantea* (Tullberg), by Börner, 1906 (243) p. 167.

Morulina callowayia Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
TYPE SERIES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1953. *Morulina callowayia* Wray (2205) p. 1, fig. I A-F; North America.

Morulina gigantea (Tullberg) 1876

COTYPE: Brit. Mus. Nat. Hist., London.
1876. *Anura gigantea* Tullberg (2004) p. 41, Pl. XI, fig. 59; North Scandinavia.
1893. *Anura gigantea* Schött (1765) p. 94; Siberia.
1900. *Neanura gigantea* Schaeffer (1738) p. 240; North Siberia.
1902. *Neanura gigantea* Folsom (781) p. 88, Pl. IV, fig. 1, Pl. VI, figs. 11–13; Alaska.
1903. *Neanura verrucosa* Börner (239) p. 136; Systematics; cf. Handschin (1008).
1904. *Neanura gigantea* Axelson (78) p. 2; Siberia; America.
1906. *Morulina gigantea* Börner (243) p. 167; *gen. nov.;* Taxonomy.
1907. *Neanura gigantea* Wahlgren (2083) p. 4; Norway; Colour description.
1914. *Neanura gigantea* Bacon (94) p. 168; California.
1914. *Neanura gigantea* Bacon (95) p. 45, figs. 1, 2; California.
1914. *Neanura gigantea* Hilton (1062) p. 95; Morphology.
1916. *Neanura gigantea* Folsom (787) p. 509, Pl. 7, fig. 5, Pl. 23, figs. 226–228; North America.
1923. *Neanura gigantea* McAtee (1336) p. 139; North America.
1929. *Morulina gigantea* Handschin (1008)p. 39; S.W. Poland; Synonymy.
1932. *Achorutes giganteus* Brown (312) p. 339; Arctic.
1933. *Neanura gigantea* Mills and Rolfs (1431) p. 78; Washington.
1937. *Neanura gigantea* Uchida (2013) p. 1–; Japan.
1938. *Neanura gigantea* James (1125) p. 153, fig. 10; Baffin I.
1938. *Neanura gigantea* Uchida (2015) p. 7; Japan.
1939. *Neanura gigantea* Mills (1422) p. 159; North America.
1942. *Morulina gigantea* Scott (1796) p. 178; West U.S.A.
1950. *Morulina gigantea* Kinoshita and Uchida (1179) p. 12, and figs.; Japan.
1951. *Morulina gigantea* Stach (1890) p. 16; Siberia; Alaska; Ellesmere Ld.
1955. *Morulina gigantea* Cassagnau (422) p. 137, fig. I-G.
1955. *Morulina gigantea* Uchida (2034) p. 200; Japan.
1957. *Morulina gigantea* Uchida (2041) p. 19; Japan.
1959. *Morulina gigantea* Stach (1896) p. 72; Boreal.
1959. *Morulina gigantea* Wilkey (2350) p. 222; California.
1960. *Neanura gigantea* Gisin (2271) p. 98; Alaska; Siberia; Arctic Urals.
1960. *Neanura* (*Morulina*) *gigantea* Grindbergs (2373) p. 31; U.S.S.R.

Morulina gigantea alata Yosii, 1954

1954. *Morulina gigantea alata* Yosii (2231) p. 798, figs. 12 B, 17; Japan.
1958. *Morulina gigantea alata* Yosii (2236) p. 693, Pl. LXVII, figs. 46, 47; Japan.
1959. *Morulina gigantea alata* Yosii (2355) p. 16; Japan.

Morulina gilvipunctata (Uchida) 1938

1938. *Neanura gilvipunctata* Uchida (2015) p. 7; Japan.
1938. *Neanura gilvipunctata* Uchida (2016) p. 132, fig. 2; Japan.
1950. *Morulina gilvipunctata* Kinoshita and Uchida (1179) p. 12, and fig.; Japan.
1957. *Morulina gilvipunctata* Uchida (2041) p. 19; Japan.
1958. *Morulina gilvipunctata* Yosii (2236) p. 690, t.fig. 2, Pl. LXVII, figs. 43–45; Japan.
1959. *Morulina gilvipunctata* Yosii (2355) p. 16; Japan.

Morulina kotzebuensis Bodvarsson, 1960

1960. *Morulina kotzebuensis* Bodvarsson (2254) p. 48, fig. 3; Alaska.

Morulina mackenziana Hammer, 1953

TYPE: Auth. Pers. Colln., Roland, Fredensborg, Denmark.
1953. *Morulina mackenziana* Hammer (972) p. 32, fig. 13; North Canada.

Morulina nuda Cassagnau, 1955

1955. *Morulina nuda* Cassagnau (422) p. 158, fig. 12; Oregon .

Morulina thulensis Hammer, 1953

TYPE: Auth. Pers. Colln., Roland, Fredensborg, Denmark.
1953. *Morulina thulensis* Hammer (972) p. 31, fig. 12; North Canada.

Genus: ANURIDA Laboulbene, 1865 (1226) p. 199; (1227) p. 708.
= *Achorutes* Guérin, 1838 (949) p. 11.
Type species fixed: *A. maritima* (Guérin).

Anurida alpina Agrell, 1939

1939. *Anurida alpina* Agrell (44) p. 160, fig. 1; Swedish Lapland; Norwegian Narvik.
1941. *Anurida alpina* Agrell (46) p. 19; Swedish Lapland.
1943. *Anurida alpina* Agrell (47) p. 124; Sweden.
1949. *Anurida alpina* Stach (1888) p. 11; Swedish Lapland; Norway.
1959. *Anurida alpina* Stach (1896) p. 69; Boreal.
1960. *Anurida alpina* Gisin (2271) p. 90; Scandinavia.

Anurida amorita Folsom, 1902

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.

1902. *Anurida amorita* Folsom (781) p. 90, Pl. IV, figs. 3, 19–24.
1904. *Anurida amorita* Axelson (78) p. 4; Siberia; Added description.
1916. *Anurida amorita* Folsom (787) p. 505, Pl. 7, fig. 3, Pl. 22, figs. 206–211.
1932. *Anurida amorita* Brown (312) p. 339; Arctic.
1949. *Anurida amorita* Stach (1888) p. 10; Alaska; Siberia.
1960. *Anurida amorita* Grindbergs (2373) p. 31; U.S.S.R.

Anurida assimilis Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Anurida (Aphoromma) assimilis* Yosii (2235) p. 23, Pl. XV, figs. 81–83, Pl. XVI, fig. 88; Japan.

Anurida assimilis persimilis Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Anurida assimilis persimilis* Yosii (2235) p. 28, Pl. XV, fig. 84, Pl. XVI, figs. 89–90; Japan.

Anurida bagnalli Stach, 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1939. *Aphoromma granaria* (Nic.) Bagnall (120) p. 193; Britain; cf. Stach (1888).
1949. *Anurida bagnalli* Stach (1888) p. 14; Britain.

Anurida banyulensis Denis, 1947

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1947. *Anurida banyulensis* Denis (674) p. 9, fig. 4; France.
1949. *Anurida banyulensis* Stach (1888) p. 16; France.
1960. *Anurida banyulensis* Gisin (2271) p. 97, fig. 202; France.

Anurida bisetosa Bagnall, 1949

TYPE: Brit. Mus. Nat. Hist., London.
1949. *Anurida bisetosa* Bagnall (130) p. 57; Britain.
1952. *Anurida bisetosa* Glynne-Williams and Hobart (909) p. 809; Ecology.
1953. *Anurida bisetosa* Goto and Del. Deb. (928) p. 249; = *A. maritima.*

Anurida bonneti Cassagnau, 1955

TYPE: Author's pers. colln., Fac. Sci., Univ. Nancy, France.
1955. *Anurida bonneti* Cassagnau (422) p. 147, fig. 5; Holarctic.
1960. *Anurida bonneti* Gisin (2271) p. 95; Pyrénées.

Anurida clavata, Schaeffer, 1897

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1897. *Anurida clavata* Schaeffer (1736) p. 7, figs. 5–8; Tierra del Fuego.
1899. *Anurida clavata* Schött (1770) p. 171; Tierra del Fuego.
1912. *Anurida clavata* Enderlein (725) p. 126; Tierra del Fuego.

Anurida comellini Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Anurida comellini* Gisin (872) p. 396, fig. 5; Switzerland.
1959. *Anurida comellini* Da Gama (494) p. 13, fig. VI; Madeira.
1960. *Anurida comellini* Murphy (2386) p. 49, fig. 16; Britain.

Anurida crassicornis (Muller) 1859

1793. *Podura crassicornis* Gmelin (910) p. 2911; *ad partem.*
1859. *Anura crassicornis* Muller (1468) p. 32, fig. 5; Moravia.
1860. *Anura crassicornis* Wankel (2100) p. 202; Czechoslovakia.
1880. *Anurida crassicornis* Reuter (1629) p. 208; Scotland.
1892. *Anurida tullbergi* Schött (1763) p. 192; Norway; cf. Bagnall (121).
1900. *Anura crassicornis* Absolon (3) p. 62; Czechoslovakia.
1901. *Anurida crassicornis* Evans (740) p. 153; Scotland.
1909. *Anurida tullbergi* Bagnall (102) p. 499; Britain.
1933. *Anurida crassicornis* Turk (2007) p. 97; Britain.
1940. *Anurida crassicornis* Bagnall (121) p. 97; = *A. tullbergi.*
1939. *Anurida tullbergi* Bagnall (119) p. 93; Britain.

Anurida decemoculata Hammer, 1953

TYPE: Author's pers. colln., Roland, Fredensborg, Denmark.
1953. *Anurida decemoculata* Hammer (972) p. 29, fig. 11; North Canada.

Anurida desnuda Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Anurida (Aphoromma) desnuda* Yosii (2235) p. 25, Pl. IX, fig. 61, Pl. X, figs. 63–66.

Anurida diabolica Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Anurida (Aphoromma) diabolica* Yosii (2235) p. 26, Pl. X, figs. 67–71, Pl. XI, fig. 72; Japan.

Anurida ellipsoides Stach, 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1949. *Anurida ellipsoides* Stach (1888) p. 34, Pl. V, figs. 3–11, Pl. VI, fig. 8; East Europe.
1951. *Anurida ellipsoides* Stach (1889) p. 63; Poland.
1955. *Anurida ellipsoides* Stach (1893) p. 74, figs. 168–170; Poland; Czechoslovakia.
1959. *Anurida ellipsoides* Haybach (2375) Tab. VIII; Ecology.
1959. *Anurida ellipsoides* Paclt (2317) p. 338; Czechoslovakia.
1960. *Anurida ellipsoides* Gisin (2271) p. 94, fig. 193; Ukraine; Slovakia; Austria.
1960. *Anurida elipsoides* Grindbergs (2373) p. 31; U.S.S.R.

Anurida forsslundi (Gisin) 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Anurida forsslundi* Gisin (874) p. 243; Sweden; Switzerland.
1956. *Micranurida forsslundi* Bockemuhl (193) p. 133; Spitzbergen.
1958. *Micranurida forsslundi* von Torne (1993) p. 661; Austria.
1959. *Micranurida forsslundi* Haybach (2375) Tab. VIII; Ecology.
1960. *Anurida forsslundi* Gisin (2271) p. 94, figs. 194–195; Europe.
1960. *Micranurida conjuncta* Murphy (2386) p. 49, figs. 9–12; a "new species."

Anurida germanica Gisin, 1951

TYPE: Mus. Hist. Natur., Geneva.
1951. *Anurida (Anuridella) germanica* Gisin (879) p. 58; Germany.
1951. *Anurida (Anuridella) germanica* Strenzke (1923) p. 84; Germany.
1954. *Anurida (Anuridella) germanica* Strenzke (1925) p. 50; Germany.
1955. *Anurida (Anuridella) germanica* Strenzke (1926) p. 26, fig. 9; Germany.

1956. *Anurida germanica* Brinck etc. (277) p. 124.
1959. *Anuridella germanica* Da Gama (2266) p. 8; Portugal.
1960. *Anurida germanica* Gisin (2271) p. 92; Europe.

Anurida gibbosa (Packard) 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Anura gibbosa* Packard (1521) p. 27; Maine.
1891. *Anurida gibbosa* MacGillivray (1341) p. 276; Maine; New York.
1896. *Anoura gibbosa* Harvey (1033) p. 422, figs. 1–3; America.
1909. *Anoura gibbosa* Dow and Smith (692) p. 36; New Jersey.

Anurida granulata Agrell, 1943

1943. *Anurida granulata* Agrell (47) p. 131, fig. 2; Sweden.
1949. *Anurida granulata* Stach (1888) p. 12; Sweden.
1955. *Anurida granulata* Cassagnau (420) p. 35; France.
1960. *Anurida granulata* Gisin (2271) p. 90, figs. 182, 183; Europe.
1960. *Anurida granulata* Grindbergs (2373) p. 30; U.S.S.R.

Anurida hammeri Christiansen, 1951

PARATYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.
PARATYPES: Mus. Comp. Zool., Harvard.
PARATYPE: Bellinger's Pers. Colln.
1951. *Anurida hammeri* Christiansen (439) p. 135, Pl. 12, figs. 1–13; Alaska.
1953. *Anurida hammeri* Hammer (972) p. 30; North Canada; Alaska.

Anurida hexophthalmica Stach, 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1949. *Anurida hexophthalmica* Stach (1888) p. 26 Pl. III, figs. 2–11; Poland; West Ukraine.
1951. *Anurida hexophthalmica* Stach (1889) p. 63, fig. 6H; Poland.
1955. *Anurida hexophthalmica* Cassagnau (422) p. 137, fig. 1E.
1955. *Anurida hexophthalmica* Stach (1893) p. 74, figs. 171–173; Poland; Carpathians.
1959. *Anurida hexophthalmica* Da Gama (2266) p. 8; Portugal.
1959. *Anurida hexophthalmica* Stach (1896) p. 13; Poland; Carpathians.

Anurida maritima (Guerin-Meneville) 1838

HYPOTYPES: Mus. Comp. Zool., Harvard.
1761. *Podura maritima* Poda (1600) p. 121; *ad partem;* Greece.
1838. *Achorutes maritimus* Guerin-Meneville (949) p. 11; Europe.
1840. *Achorutes maritimus* Lucas (1326) p. 567; Normandy.
1844. *Achorutes maritimus* Gervais (841) p. 439; Europe.
1847. *Anoura maritima* Nicolet (1496) p. 388; Europe.
1859. *Anura maritima* Muller (1468) p. 32; France.
1865. *Anurida maritima* Laboulbene (1226) p. 193, Pl. 1; France.
1865. *Anurida maritima* Laboulbene (1227) p. 713; France.
1870. *Lipura maritima* Lubbock (1317) p. 278; Britain.
1873. *Lipura maritima* Lubbock (1318) p. 193, Pl. LVII; Ireland.
1873. *Anurida maritima* McIntire (1353) p. 6, fig. 10; England.
1873. *Anurida maritima* Packard (1521) p. 28; Massachusetts.
1883. *Lipura maritima* Parona (1558) p. 464; Italy.
1885. *Lipura maritima* Parona (1560) p. 46; Sardinia.
1886. *Anurida maritima* Ryder (1672) p. 299; U.S.A.
1887. *Anurida maritima* Oudemans (1510) p. 98; Anatomy.
1888. *Anurida maritima* Oudemans (1511) pp. 161, 178, 198, 213, 219; Biology.
1888. *Lipura maritima* Parona (1563) p. 144; Italy.
1889. *Anurida maritima* Carpenter and Evans (402) p. 259; Scotland.
1890. *Anurida maritima* Moniez (1442) p. 347; Systematics.
1891. *Anurida maritima* MacGillivray (1341) p. 276; East Coast, U.S.A.; Europe.
1891. *Lipura maritima* Parfitt (1550) p. 349; England.
1893. *Anurida maritima* MacGillivray (1342) p. 314; Eastern U.S.A.; Europe.
1893. *Anurida maritima* Schött (1765) p. 90, Pl. VII, figs. 13–15; Norway; Systematics.
1894. *Anurida maritima* Lonnberg (1311) p. 165; Florida, North America; Sweden; France; England.
1894. *Anurida maritima* MacGillivray (1344) p. 165; Florida.
1894. *Anurida maritima* Schött (1767) p. 128; Florida.
1895. *Anurida maritima* Dalla Torre (498) p. 1; Europe.
1895. *Anurida maritima* Vogler (2064) p. 31; Swarming.
1896. *Anurida maritima* Schaeffer (1735) p. 164, fig. 22; Germany.
1897. *Anurida maritima* Willem (2122) p. 226; Physiology.
1897. *Anurida martima* Willem and Sabbe (2138) p. 131; Morphology.
1898. *Anurida maritima* Claypole (451) pp. 119–300; Embryology, Morphology.
1899. *Anurida maritima* Carl (351) p. 1; France.
1899. *Anurida maritima* Plateau (1597) p. 764; Systematics.
1899. *Anurida maritima* Wahlgren (2073) p. 189; Sweden.
1900. *Anurida maritima* Heymons (1056) p. 241; Morphology.
1900. *Anurida maritima* Lecaillon (1258) p. 67; France.
1900. *Anurida maritima* Prowazek (1614) p. 359; Morphology.
1900. *Anurida maritima* Willem (2123) p. 31, Pl. VI; Systematics.
1901. *Anurida maritima* Boyd (268) p. 317; Scotland.
1901. *Anurida maritima* Evans (739) p. 156; Scotland.
1902. *Anurida maritima* Lecaillon (1264) p. 132; Morphology and Physiology of Reproduction.
1902. *Anurida maritima* Lecaillon (1265) p. 99; Anatomy; Reproduction.
1902. *Anurida maritima* Lecaillon (1266) p. 64; Anatomy; Physiology.
1903. *Anurida maritima* Davenport (500) p. 4, figs. 1, 7; New York.
1904. *Anurida maritima* Hoffmann (1069) p. 87; Physiology.
1905. *Anurida maritima* Hoffmann (1070) p. 649; Morphology.
1906. *Anurida maritima* Folsom and Welles (808) p. 101; Physiology.
1906. *Anurida maritima* Imms (1089) p. 5, 99 pp.; Morphology; Distribution.
1906. *Anurida maritima* Lie-Pettersen (1284) p. 58; Norway.
1906. *Anurida maritima* Wahlgren (2080) p. 246; Sweden; Systematics.
1907. *Anurida maritima* Bagnall (99) p. 71; Ecology.

1907. *Anurida maritima* Carpenter (378) p. 55; Lambay I., Dublin coast.
1908. *Anurida maritima* Borner (245) p. 54, Pl. VI, fig. 10.
1908. *Anurida maritima* Evans (741) p. 198; Scotland.
1908. *Lipura maritima* Foster (814) p. 23; England.
1909. *Anurida maritima* Dow and Smith (692) p. 36; New Jersey.
1911. *Anurida maritima* Axelson (1291) p. 9; Norway.
1913. *Anurida maritima* Carpenter (388) p. 6; Clare I., Ireland.
1916. *Anurida maritima* Folsom (787) p. 503, Pl. 22, figs. 198–202; North America.
1921. *Anurida maritima* Brown (300) p. 129; Swarming.
1922. *Anurida maritima* Denis (609) p. 111; Ile de Yeu, France.
1923. *Anurida maritima* Brown (302) p. 262; England.
1923. *Anurida maritima* Womersley (2147) p. 31; S.W. England.
1924. *Anurida maritima* Denis (614) p. 255; France.
1925. *Anurida maritima* Brown (304) p. 159; Clare I., Ireland; Britain; littoral.
1925. *Anurida maritima* Denis (617) p. 210; Italy.
1925. *Anurida maritima* Handschin (987) p. 163; Morocco.
1925. *Anurida maritima* Willem (2136) p. 275; France; Systematics.
1925. *Anurida maritima* Womersley (2148) p. 168; S.W. England.
1926. *Anurida maritima* Handschin (988) p. 16, fig. 10; Biology.
1927. *Anurida maritima* Elton (721) p. 92; Ecology.
1928. *Anurida maritima* Womersley (2154) p. 375; S.W. England.
1929. *Anurida maritima* Bonet (200) p. 797; Spain.
1929. *Anurida maritima* Buitendijk (334) p. 35; Holland.
1929. *Anurida maritima* Handschin (1008) p. 38, figs. 56, 57; Europe; North Africa; North America.
1930. *Anurida maritima* Stach (1869) p. 282; Atlantic coasts of Europe, North America.
1930. *Anurida maritima* Womersley (2168) p. 171; Ireland.
1931. *Anurida maritima* Richards (1652) p. 444; Ecology.
1932. *Anurida maritima* Stach (1872) pp. 332, 345; Galapagos Is.; Distribution.
1933. *Anurida maritima* Denis (646) p. 184; Italy.
1933. *Anurida maritima* Turk (2007) p. 93; Britain.
1934. *Anurida maritima* Durkop (707) p. 494; Europe; North Africa; North America.
1934. *Anura maritima* Perrier (1576) p. 35; France.
1934. *Anurida maritima* Womersley (2177) pp. 451, 468; South Africa; Morocco; Europe; Cosmopolitan.
1938. *Anurida maritimus* Brimley (275) p. 14; North Carolina.
1938. *Anurida maritima* Denis (665) p. 124; Italy.
1938. *Anurida maritima* Handschin (1011) p. 139; Galapagos Is.
1938. *Anurida maritimus* Mills (1421) p. 14; North Carolina.
1939. *Anurida maritima* Imms (1095) p. 291; Morphology.
1941. *Anurida maritima* Buitendijk (336) p. 24, fig. 5; Netherlands.
1942. *Anurida maritima* Caspers (408) p. 150; Helgoland I.
1942. *Anurida maritima* Essig (733) p. 77; Food of Collemb.
1942. *Anurida maritima* Marlier (1375) p. 8; Belgium.
1943. *Anurida maritima* Agrell (47) p. 124; Sweden.
1943. *Anurida maritima* Dexter (687) p. 797; Ecology.
1944. *Anurida maritima* Gisin (854) p. 22; Europe; North Africa; Galapagos Is.
1946. *Anurida maritima* Phillips (1585) p. 218; Ecology.
1947. *Anurida maritima* Del. Deb. (550) p. 128; France.
1948. *Anurida maritima* Spencer (1851) p. 22; Canada.
1949. *Anurida bisetosa* Bagnall (130) p. 57; Britain; cf. Goto and Del. Deb. (928).
1949. *Anurida maritima* Palmer (1548) p. 382; America.
1949. *Anurida maritima* Stach (1888) p. 18, Pl. I, II, figs. 11–12; Distribution; Revised description.
1950. *Anurida maritima* Brown (320) p. 88; Collemb. as food.
1950. *Anurida maritima* Miner (1435) p. 536; Coastal habitats.
1951. *Anurida maritima* Maynard (1393) p. 63; New York, U.S.A.; Europe.
1951. *Anurida maritima* Stach (1889) p. 64; Poland.
1953. *Anurida maritima* Del. Deb. (584) p. 299; France.
1953. *Lipura maritima* Gauld, Bagenal and Connell (835) p. 47; Britain.
1953. *Anurida maritima* Goto and Del. Deb. (928) p. 249, fig. 1; Synonymy.
1953. *Anurida maritima* Lawrence (1251) p. 306; Food of Collemb.
1954. *Anurida maritima* Del. Deb. (589) pp. 435, 451; France.
1954. *Anurida maritima* Morton (1458) p. 191; Ecology.
1954. *Anurida* (*A.*) *maritima* Strenzke (1925) p. 60; Germany.
1955. *Anurida maritima* Chopard (434) p. 18, Pl. I, fig. 10; France.
1955. *Anurida maritima* Goto (921) p. 267; Britain.
1955. *Anurida maritima* Gridelli (938) p. 41; Venice.
1955. *Anurida maritima* Stach (1893) p. 74, figs. 174, 175; Cosmopolitan.
1955. *Anurida maritima* Strenzke (1926) p. 23, fig. 6; Europe.
1956. *Anurida maritima* Goto (926) p. 7; Outer Hebrides.
1956. *Anurida bisetosa Bagn.* Green (936) p. 283; Britain.
1956. *Anurida maritima* Green (936) p. 283; Britain.
1956. *Anurida maritima* Paclt (1541) pp. 10, 55, 87, fig. 85; Biology.
1959. *Anurida maritima* Paclt (2316) p. 32; South Africa.
1959. *Anurida maritima* Yosii (2353) p. 5; South Africa.
1960. *Anurida maritima* Gisin (2271) p. 88; Cosmopolitan.
1960. *Anurida maritima* Saure and Korvenkontio (2393) p. 4; Cytology; Physiology.
1960. *Anurida maritima* Selga (2333) p. 3, figs. 1, 2; Catalonia.

Anurida megalops Bagnall, 1949

TYPE: Brit. Mus. Nat. Hist., London.
1949. *Anurida megalops* Bagnall (130) p. 57; Britain.
1960. *Anurida megalops* Gisin (2271) p. 89; Britain.

Anurida nigra (Wankel) 1860

1860. *Anura nigra* Wankel (2100) p. 202; Czechoslovakia.
1900. *Anura nigra* Absolon (3) p. 63; Czechoslovakia.

Anurida nuda Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.

1956. *Anurida* (*Aphoromma*) *nuda* Yosii (2234) p. 611, fig. 2; Japan.
1956. *Anurida* (*Aphoromma*) *nuda* Yosii (2235) p. 24, Pl. VIII, fig. 60; Japan.

Anurida pseudogranaria Stach, 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1949. *Anurida pseudogranaria* Stach (1888) p. 30, Pl. III, fig. 1, Pl. IV, figs. 1–8, Pl. V, figs. 1, 2; Poland.
1951. *Anurida pseudogranaria* Stach (1889) p. 63, fig. 7A; Poland.
1955. *Anurida pseudogranaria* Stach (1893) p. 73, figs. 166, 167; Poland; Germany.
1959. *Anurida pseudogranaria* Stach (1896) p. 13; Poland.

Anurida remyi Denis, 1947, *nom. nov.*

1900. *Anurida granaria* Wahlgren (2077) p. 353; Jan Mayen I.
1928. *Anurida granaria* Remy (1625) p. 57; Greenland.
1947. *Anurida remyi* Denis (674) p. 7, fig. 3; Greenland.
1949. *Anurida remyi* Stach (1887) p. 15; Greenland.
1953. *Anurida remyi* Gisin (885) p. 229, fig. 1; Jan Mayen I.
1954. *Anurida remyi* MacFadyen (1339) p. 289; Jan Mayen I.
1954. *Anurida* (*A.*) *remyi* Strenzke (1925) p. 50; Germany.
1955. *Anurida* (*A.*) *remyi* Strenzke (1926) p. 25; North Germany.
1956. *Anurida remyi* Brinck, Dahl and Wieser (277) p. 128; East Scania.
1958. *Anurida remyi* Palissa (2318) p. 467; Germany.
1960. *Anurida remyi* Gisin (2271) p. 96, fig. 201; Arctic; North Europe.

Anurida rosasi Bonet, 1933

1933. *Anurida rosasi* Bonet (209) p. 129, fig. II; Argentina.

Anurida sensillata Gisin, 1953

TYPE: Mus. Hist. Natur., Geneva.
1953. *Anurida sensillata* Gisin (886) p. 56; Switzerland.
1956. *Anurida sensillata* Bockemuhl (193) p. 134; Spitzbergen.
1960. *Anurida sensillata* Gisin (2271) p. 93, figs. 190, 191; Switzerland.

Anurida setosa Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Anurida* (*Aphoromma*) *setosa* Yosii (2255) p. 27, Pl. XII, fig. 73, Pl. XV, figs. 76–80.

Anurida speobia Yosii, 1954

TYPE: Osaka Munic. Mus., Osaka, Japan.
1954. *Anurida* (*Aphoromma*) *speobia* Yosii (2232) p. 16, figs. 13–20; Japan.
1956. *Anurida* (*Aphoromma*) *speobia* Yosii (2235) p. 29, Pl. XIII, fig. 74, Pl. XVI, fig. 91; Japan.
1957. *Anurida speobia* Ueno (2046) p. 286; Japan.

Anurida steineni Schaeffer, 1891

1891. *Anurida steineni* Schaeffer (1732) p. 8, figs. 7, 8; South Georgia.
1897. *Anurida steineni* Schaeffer (1736) p. 41; South Georgia.
1909. *Anurida steineni* Enderlein (724) p. 416; South Georgia.

Anurida thalassophila (Bagnall) 1939

PARATYPES: Brit. Mus. Nat. Hist., London.
1939. *Aphoromma thalassophila* Bagnall (120) p. 169; Britain.
1940. *Aphoromma thalassophila* Bagnall (122) p. 169; Britain.
1949. *Aphoromma thalassophila* Stach (1888) p. 14; Scotland; England; Ireland.
1955. *Anurida thalassophila* Strenzke (1926) p. 25; Scotland; England; Ireland.
1959. *Aphoromma thalassophila* Glynne-Williams and Hobart (909) p. 809; Ecology.
1960. *Anurida thalassophila* Gisin (2271) p. 95; British Isles.
1960. *Anurida thalassophila* Murphy (2386) p. 49, figs. 13–15; Britain.

Anurida sextuberculata (Harvey) 1896

1896. *Anoura 6 tuberculata* Harvey (1033), p. 422, fig. 1–3; Maine.

Anurida tullbergi Schött, 1871

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1876. *Anurida crassicornis* Reuter (1628) p. 78; Finland; cf. Stach (1888).
1891. *Anurida tullbergi* Schött (1763) p. 192; North Scandinavia.
1893. *Anurida tullbergi* Schött (1765) p. 91, Pl. VI, figs. 17, 18; Finland; Sweden.
1894. *Anurida tullbergi* Lonnberg (1311) p. 165; Florida; Sweden; Finland.
1894. *Anurida tullbergi* MacGillivray (1344) p. 165; Florida.
1894. *Anurida tullbergi* Schött (1767) p. 128; U.S.A.
1895. *Anurida tullbergi* Reuter (1643) p. 33; Finland; Sweden.
1896. *Anurida tullbergi* Schaeffer (1735) p. 164, fig. 23; Germany.
1898. *Anurida tullbergi* Lie-Pettersen (1282) p. 15; Norway.
1898. *Anurida tullbergii* Scherbakow (1750) p. 58; Kiev.
1899. *Anurida tullbergi* Wahlgren (2073) p. 189; Sweden.
1901. *Anurida tullbergi* Borner (234) p. 38, fig. 5; Central Europe.
1901. *Anurida tullbergi* Carl (354) p. 248, figs. 1–3; Switzerland; Ad. description.
1902. *Anurida tullbergi* Schött (1772) p. 1; Boreal.
1903. *Anurida tullbergi* Ågren (55) p. 126, fig. 10; Sweden; Ad. description.
1903. *Anurida tullbergi* Guthrie (951) p. 99, Pl. XII, figs. 8, 9; Minnesota.
1905. *Anurida tullbergi* Axelson (81) p. 26; Tvärminne.
1906. *Anurida tullbergi* Lie-Pettersen (1284) p. 58; Norway.
1906. *Anurida tullbergi* Wahlgren (2080) p. 246; Sweden.
1907. *Anurida tullbergi* Axelson (83) p. 128; Finland.
1908. *Anurida tullbergi* Bagnall (100) p. 83; Britain.
1910. *Anurida tullbergi* Bagnall (102) p. 499; Britain.
1912. *Anurida tullbergi* Axelson (1292) p. 70; Finland; Ad. description.
1916. *Anurida tullbergi* Folsom (787) p. 504, Pl. 22, figs. 203–205; North America.
1927. *Anurida tullbergi* Borner (254) p. 187, fig. 1; Palestine.
1928. *Anurida tullbergi* Handschin (1005) p. 5; Algeria.
1929. *Anurida tullbergi* Handschin (1008) p. 38, fig. 58; North and Mid Europe; North Africa; North America.
1930. *Anurida tullbergia* Stach (1869) p. 282; Europe; Russia; U.S.A.

1931. *Anurida tullbergi* Lindroth (1286) p. 127; Iceland.
1932. *Anurida tullbergi* Maynard (1391) p. 217; New York.
1932. *Anurida tullbergi* Stammer (1897) p. 610; Ecology.
1933. *Anurida tullbergi* James (1124) p. 91; Canada.
1933. *Anurida tullbergi* Schubert (1787) p. 267; Ecology.
1933. *Anurida tullbergi* Turk (2007) p. 93; Britain.
1934. *Anurida tullbergi* Durkop (707) p. 495; Scandinavia; Germany.
1934. *Anurida tullbergi* Mills (1417) p. 26, figs. 62, 63; Iowa.
1934. *Anurida tullbergi* Schubert (1788) p. 528; Germany.
1934. *Anurida tullbergi* Womersley (2177) p. 468; Europe; Algeria.
1935. *Anurida tullbergi* Schubert (1791) p. 202; Germany.
1938. *Anurida tullbergi* Kseneman (1220) p. 10; Europe; Africa; America.
1939. *Anurida tullbergi* Bagnall (119) p. 93; Britain.
1943. *Anurida tullbergi* Agrell (47) p. 124; Sweden.
1944. *Anurida tullbergi* Tuxen (2010) p. 175; Iceland.
1947. *Anurida tullbergi* Del. Deb. (550) p. 128, fig. 1 a-d; France.
1948. *Anurida tullbergi* Franz and Beier (821) p. 467; Ecology.
1948. *Anurida tullbergi* Palmen (1546) p. 170; Ecology.
1949. *Anurida tullbergi* Stach (1888) p. 22, Pl. II, figs. 1–10; Hungary; Istria; Poland; Ukraine; Revised description.
1949. *Anurida tullbergi* Strenzke (1922) p. 206; Germany; Ecology.
1951. *Anurida tullbergi* Maynard (1393) p. 63, Pl. VII, fig. 116; New York.
1951. *Anurida tullbergi* Stach (1889) p. 63, figs. 6, 9, 13; Europe; America.
1953. *Anurida tullbergi* Del. Deb. (584) p. 299; France; Systematics.
1953. *Anurida tullbergi* Hammer (972) p. 29; North Canada.
1954. *Anurida tullbergi* Del. Deb. (589) p. 435; France.
1954. *Anurida* (*A.*) *tullbergi* Strenzke (1925) p. 60; Germany.
1955. *Anurida tullbergi* Cassagnau (422) p. 137, fig. 1F.
1955. *Anurida tullbergi* Goto (921) p. 267; Britain.
1955. *Anurida tullbergi* Stach (1893) p. 74, figs. 176, 177; Holarctic.
1955. *Anurida tullbergi* Strenzke (1926) p. 23; Europe; Palestine; North America.
1957. *Anurida tullbergi* Bodvarsson (2252) p. 13; Iceland.
1958. *A.* (*Anurida*) *tullbergi* Grindbergs (2277) p. 192; Latvia.
1958. *Anurida tullbergi* Kholova (1169) p. 234; Bohemia.
1959. *Anurida tullbergi* Palissa (2319) p. 278; Ecology.
1959. *Anurida tullbergi* Wilkey (2350) p. 222; California.
1960. *Anurida tullbergi* Gisin (2271) p. 88; Scandinavia; Austria; Israel.
1960. *Anurida tullbergi* Grindbergs (2373) p. 30; U.S.S.R.
1960. *Anurida tullbergi* Palissa (2319) p. 360; Systematics; Ecology.

Anurida uniformis Gisin, 1953

TYPE: Mus. Hist. Natur., Geneva.
1953. *Anurida uniformis* Gisin (886) p. 56, fig. 1; Switzerland.
1961. *Anurida uniformis* Gisin (2271) p. 93; Switzerland.

Anurida vicaria Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Anurida* (*Aphoromma*) *vicaria* Yosii (2235) p. 30, Pl. XIV, fig. 75, Pl. XVI, figs. 92–94; Japan.

Genus: NOTACHORUDINA Cassagnau and Rapoport, 1962 (2446) p. 172.

Type species fixed: *N. patagonica* Cassagnau and Rapoport, 1962 (2446) p. 172.

Notachorudina patagonica Cassagnau and Rapoport, 1962

1962. *Notachorudina patagonica* Cassagnau and Rapoport (2446) p. 172, figs. 21, 22; South America.

***Notachorudina ubiquata** nov. comb.

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Ceratrimeria ubiquata* Salmon (1683) p. 133, Pl. 56, figs. 37–41; New Zealand.

Genus: RAPOPORTINA gen. nov.

Type species here designated: *R. globulosa* (Cassagnau and Rapoport) 1962.

Rapoportina globulosa (Cassagnau and Rapoport) 1962

1962. *Arlesia globulosa* Cassagnau and Rapoport (2446) p. 177, figs. 24, 25; South America.

Genus: KODIAKIA Bodvarsson, 1960 (2254) p. 43.

Type species fixed: *K. prima,* by Bodvarsson, 1959 (2254) p. 43.

Kodiakia aleuta Bodvarsson, 1960

1960. *Kodiakia aleuta* Bodvarsson (2254) p. 46, figs. 1, 2; Alaska.

Kodiakia prima Bodvarsson, 1960

1960. *Kodiakia prima* Bodvarsson (2254) p. 43, figs. 1, 2; Alaska.

Genus: YUUKIANURA Yosii, 1955 (2233) p. 394.

Type species fixed: *Y. aphoruroides* (Yosii), by Yosii, 1955 (2233) p. 394.

Yuukianura aphoruroides (Yosii) 1953

TYPE: Osaka Mun. Mus., Osaka, Japan.
1953. *Protanura aphoruroides* Yosii (2229) p. 69, figs. 7–13; Japan.
1955. *Protanura aphoruroides* Goto (919) p. 36, figs. 1–5; Malaya.
1955. *Yuukianura aphoruroides* Yosii (2233) p. 394; Taxonomy.
1959. *Yuukianura aphoruroides* Yosii (2355) p. 17; Japan.
1959. *Lobella* (*Yuukianura*) *aphoruroides* Yosii (2354) p. 13; Malaya.

Yuukianura cavicola Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Yuukianura cavicola* Yosii (2234) p. 621, fig. 9; Japan.
1956. *Yuukianura cavicola* Yosii (2235) p. 43, Pl. XXII, figs. 131–133; Japan.
1959. *Yuukianura cavicola* Yosii (2355) p. 17; Japan.

* Examination of the mouth parts of this species shows that it belongs to the Anuridae.

Yuukianura halophila Yosii, 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Yuukianura halophila* Yosii (2233) p. 384, figs. 3 A-I; Tokara Is.
1959. *Yuukianura halophila* Yosii (2355) p. 17; Japan.

Yuukianura nomurai Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Yuukianura nomurai* Yosii (2235) p. 43, Pl. XXII, figs. 131–133.
1957. *Yuukianura nomurai* Nomura (1499) p. 66; Japan.
1959. *Yuukianura nomurai* Yosii (2355) p. 17.

Genus: PSEUDOFRIESEA *gen. nov.*
Type species now designated: *P. excelsa* (Denis).

Pseudofriesea excelsa (Denis) 1936

1936. *Friesea excelsa* Denis (661) p. 262, figs. 1–4; North India.
1949. *Friesea excelsa* Stach (1887) p. 270; North India.
1955. *Friesea excelsa* Baijal (1369) p. 510; N.W. Himalayas.

Genus: FRIESEA Dalle Torre, 1895 (498) p. 14.
= *Triaena* Tullberg, 1871 (2002) p. 155.
= *Oudemansia* Schött, 1893 (1766) p. 173.
= *MacGillivraya* Grote, 1894 (948) p. 54.
= *Polyacanthella* Schaeffer, 1897 (1736).
= *Pseudotullbergia* Schaeffer, 1897 (1736) p. 8.
= *Achorutoides* Willem, 1901 (2127) p. 260.
= *Triaenura* von Olfers, 1907 (1506) p. 26.
= *Conotelsa* Denis, 1925 (619) p. 241.
= *Friesea* Denis, 1931 (638) p. 86.
Type species fixed: *F. mirabilis* (Tullberg), by Stach, 1949 (1887) p. 257.

Friesea acuminata (Denis) 1925

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1925. *Polyacanthella acuminata* Denis (619) p. 241, figs. 1–7; France.
1926. *Polyacanthella* (*Conotelsa*) *acuminata* Denis (625) p. 207; France.
1931. *Friesea acuminata* Denis (638) p. 88; Costa Rica.
1939. *Polyacanthella thalassophila* Bagnall (117) p. 22; Britain; cf. Del. Deb. (584).
1940. *Polyacanthella acuminata* Bagnall (122) p. 169; Britain; Synonymy.
1949. *Oudemansia acuminata* Bagnall (130) p. 55; Britain.
1949. *Friesea acuminata* Stach (1887) p. 276; France; England.
1953. *Polyacanthella acuminata* Del. Deb. (584) p. 296, fig. 3; Oriental Pyrénées.
1954. *Polyacanthella acuminata* Del. Deb. (589) p. 435; France.
1955. *Friesea acuminata* Strenzke (1926) p. 21, fig. 5; England; Germany.
1960. *Friesea acuminata* Gisin (2271) p. 76, fig. 152; Europe.

Friesea africana Delamare Deboutteville, 1953

TYPE: Author's pers. colln., Fac. Sci., Univ. Nancy, France.
1953. *Friesea africana* Del. Deb. (585) p. 822, figs. 3 a-e; Kilimanjaro.
1954. *Friesea africana* Salt (1723) p. 418; Kilimanjaro; Ecology.

Friesea afurcata (Denis) 1926

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1926. *Polyacanthella afurcata* Denis (626) p. 10; Italy.
1927. *Polyacanthella afurcata* Denis (629) p. 182, figs. 21–25; Italy.
1931. *Friesea afurcata* Denis (638) p. 87; Costa Rica.
1932. *Friesea afurcata* Kseneman (1211) p. 10, figs. 6–11; Europe.
1937. *Polyacanthella afurcata* Kseneman (1217) p. 463; Czechoslovakia.
1948. *Friesea* (*Polyacanthella*) *afurcata* Franz and Beier (821) p. 469; Ecology.
1949. *Friesea afurcata* Stach (1887) p. 275; Italy.
1951. *Friesea afurcata* Schaller (1746) p. 463; Ecology.
1955. *Friesea afurcata* Cassagnau and Del. Deb. (428) p. 372; Lebanon.
1958. *Friesea afurcata* von Torne (1993) p. 660; Austria.
1960. *Friesea afurcata* Gisin (2271) p. 75; Europe.
1960. *Friesea* (*Polyacanthella*) *afurcata* Grindbergs (2373) p. 29; U.S.S.R.

Friesea albida Stach, 1949

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1949. *Friesea albida* Stach (1887) p. 294, Pl. XXIX; Poland; West Ukraine.
1955. *Friesea albida* Stach (1893) p. 78, fig. 184; Poland; Carpathians.
1958. *Friesea albida* Cassagnau (2259) p. 20; France; Spain.
1959. *Friesea albida* Stach (1896) p. 15; Poland.
1959. *Friesea albida* Steiner (2343) p. 457; Spain.
1960. *Friesea albida* Gisin (2271) p. 72; Europe.
1960. *Friesea albida* Grindbergs (2373) p. 29; U.S.S.R.
1960. *Friesea alba?* Palissa (2319) p. 359; Systematics; Ecology.

Friesea albida atypica Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea albida atypica* Cassagnau (2259) p. 21; France.
1960. *Friesea atypica* Gisin (2271) p. 71; Pyrénées.

Friesea albida nevadensis Steiner, 1959

1959. *Friesea* (*F.*) *albida nevadensis* Steiner (2343) p. 457, fig. 2; Spain.

Friesea albida pyrenaica Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea albida pryenaica* Cassagnau (2259) p. 21; Spain.
1960. *Friesea pyrenaica* Gisin (2271) p. 72; Pyrénées.

Friesea antarctica (Willem) 1901

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1901. *Achorutoides antarcticus* Willem (2127) p. 260; Antarctic.
1902. *Achorutoides antarcticus* Willem (2130) p. 8, Pl. II, figs. 3–10, Pl. III, figs. 1–3; Antarctic.

Friesea barnardi (Womersley) 1934

1934. *Polyacanthella barnardi* Womersley (2177) pp. 447, 467, fig. 2 a-d; Portuguese East Africa.
1939. *Polyacanthella barnardi* Womersley (2190) p. 101, fig. 43 O-R; South Australia.
1959. *Polyacanthella barnardi* Paclt (2316) p. 33; South Africa.

Friesea bodenheimeri Borner, 1927

1927. *Friesea bodenheimeri* Borner (251) p. 191, fig. 3; Palestine.
1942. *Friesea bodenheimeri* Handschin (1012) p. 445; Palestine.
1949. *Friesea bodenheimeri* Stach (1887) p. 276; Palestine.
1957. *Friesea bodenheimeri* Schuster (1793) p. 247; Ecology.
1960. *Friesea bodenheimeri* Gisin (2271) p. 75; Israel.

Friesea brevicaudata (Schaeffer) 1897

1897. *Polyacanthella brevicaudata* Schaeffer (1736) p. 15, figs. 29–32; Tierra del Fuego.
1912. *Polyacanthella brevicaudata* Enderlein (725) p. 126; Tierra del Fuego.
1931. *Friesea brevicaudata* Denis (638) p. 88; Costa Rica.
1949. *Friesea brevicaudata* Stach (1887) p. 277; Tierra del Fuego; Systematics.

Friesea caldaria Guthrie, 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, U.S.A.
1903. *Friesea caldaria* Guthrie (951) p. 95, Pl. XI, figs. 16–18; Minnesota.
1916. *Friesea caldaria* Folsom (787) p. 499, Pl. 19, figs. 167, 168; U.S.A.

Friesea cauchoisi Delamare Deboutteville, 1951

TYPE: Author's Pers. Colln., Fac. Sci., Univ. Nancy, France.
1951. *Friesea cauchoisi* Del. Deb. (574) p. 159, figs. 12–22; France.
1952. *Friesea cauchoisi* Cassagnau (412) p. 305; Oriental Pyrénées.
1960. *Friesea Cauchoisi* Del. Deb. (2418) p. 530; France.
1960. *Friesea cauchoisi* Gisin (2271) p. 73; Pyrénées.

Friesea cauchoisi sexoculata Cassagnau, 1958

TYPE: Author's Pers. Colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea cauchoisi sexoculata* Cassagnau (2259) p. 26; France.
1960. *Friesea cauchoisi sexoculata* Del. Deb. (2367) p. 530; = *F. cauchoisi?*
1960. *Friesea sexoculata* Gisin (2271) p. 73; France.

Friesea claviseta Axelson, 1900

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki, Finland.
1900. *Friesea claviseta* Axelson (75) p. 112; Finland.
1902. *Friesea claviseta* Schött (1772) p. 17, Pl. III, figs. 10, 11; Boreal.
1903. *Friesea caldaria* Guthrie (951) p. 95, Pl. XI, figs. 16–18; Minnesota; cf. Denis (638).
1905. *Friesea claviseta* Axelson (82) p. 8; Reval, Russia.
1906. *Friesea claviseta* Wahlgren (2080) p. 247; Sweden.
1907. *Friesea claviseta* Axelson (83) p. 128; Finland.
1910. *Friesea claviseta* Collinge and Shoebotham (472) p. 104; England.
1912. *Friesea claviseta* Axelson (1292) p. 57, Pl. 1, fig. 3, Pl. VI, figs. 22–25; Finland; Diagnosis.
1918. *Friesea claviseta* Brown (297) p. 64; England.
1921. *Friesea sublimis* MacNamara (1362) p. 125; Canada; cf. Handschin (981).
1923. *Friesea claviseta* Brown (302) p. 262; England.
1924. *Friesea claviseta* Handschin (981) pp. 96, 231, figs. 37–39; Switzerland; Finland; Sweden; Scotland.
1924. *Friesea claviseta* Houlbert (1078) p. 66; England.
1925. *Friesea claviseta* Womersley (2148) p. 168; S.W. England.
1926. *Friesea claviseta* Womersley (2153) p. 218; S.W. England.
1927. *Friesea claviseta* Denis (629) p. 181; Italy.
1928. *Friesea claviseta* Jackson (1121) p. 301; England.
1929. *Friesea claviseta* Bonet (200) p. 795; Spain.
1929. *Friesea claviseta* Handschin (1008) p. 33; Europe; North America.
1929. *Friesea claviseta* Stach (1869) p. 281; England; Europe; North America.
1931. *Friesea claviseta* Denis (638) p. 88; America.
1931. *Friesea claviseta* Lindroth (1286) p. 127; Iceland.
1932. *Friesea claviseta* Kseneman (1211) p. 9, fig. 5; Europe.
1933. *Friesea claviseta* Mills and Rolfs (1431) p. 78; Washington.
1933. *Friesea claviseta* Turk (2007) p. 93; Britain.
1934. *Friesea claviseta* Agrell (37) p. 218; Sweden; Ecology.
1934. *Friesea claviseta* Mills (1417) p. 21; Iowa, U.S.A.; Canada; Europe.
1934. *Friesea claviseta* Womersley (2177) pp. 446, 467; Europe; South Africa.
1936. *Friesea claviseta* Tarsia in Curia (1951) p. 19; Italy.
1937. *Friesea claviseta* Kseneman (1217) p. 464; Czechoslovakia.
1938. *Friesea claviseta* Brimley (275) p. 14; North Carolina.
1938. *Friesea claviseta* Kseneman (1219) p. 106; Alpine.
1938. *Friesea claviseta* Kseneman (1220) p. 9; Europe; America.
1938. *Friesea claviseta* Mills (1421) p. 14; North Carolina.
1939. *Friesea claviseta* Bagnall (120) p. 189; Britain.
1941. *Friesea claviseta* Agrell (46) p. 19; Swedish Lapland.
1943. *Friesea claviseta* Agrell (47) p. 124; Sweden.
1943. *Friesea claviseta* Gisin (853) p. 145; Switzerland.
1944. *Friesea claviseta* Gisin (855) p. 131, fig. 6; Morphology.
1945. *Friesea claviseta* Agrell (50) p. 10; Sweden; Habitats.
1948. *Friesea claviseta* Gisin (867) p. 83; Switzerland.
1949. *Friesea claviseta* Stach (1887) p. 280, Pl. XXVII; Poland; Slovakia; Styria; Revised description.
1949. *Friesea claviseta* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Friesea claviseta* Wray etc. (2216) p. 61; Utah.
1951. *Friesea claviseta* Maynard (1393) p. 56, Pl. VI, figs. 101–103; New York.
1951. *Xenylla claviseta* Schaller (1746) p. 492; *lapsus calami?*
1952. *Friesea claviseta* Cassagnau (412) p. 305; Physiology.
1955. *Friesea claviseta* Stach (1893) p. 78, figs. 185–187; Europe; America.
1956. *Friesea claviseta* Wray and Knowlton (2214) p. 2; Idaho.
1956. *Friesea claviseta* Paclt (1541) p. 109; Biology.
1957. *Friesea claviseta* Bodvarsson (2252) p. 11; Iceland.
1957. *Friesea claviseta* Haarlov (2281) p. 10; Denmark; Habitats.
1957. *Friesea claviseta* Pschorn-Walcher and Gunhold (2322) p. 349; Ecology.
1958. *Friesea claviseta* Cassagnau (2259) p. 20; Pyrénées.
1958. *Friesea claviseta* Grindbergs (2277) p. 192; Latvia.
1958. *Friesea claviseta* Kholova (1169) p. 234; Bohemia.
1958. *Friesea claviseta* von Torne (1993) p. 660; Austria.
1959. *Friesea claviseta* Paclt (2316) p. 30; South Africa.
1959. *Friesea claviseta* Stach (1896) p. 15; Poland.
1959. *Friesea claviseta* Wilkey (2350) p. 222; California.
1960. *Friesea claviseta* Gisin (2271) p. 71, fig. 151; Europe.
1960. *Friesea claviseta* Grindbergs (2373) p. 28; U.S.S.R.
1960. *Friesea claviseta* Palissa (2319) p. 359; Systematics.

Friesea claviseta emucronata Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Friesea claviseta emucronata* Stach (1860) p. 6, Pl. 3, fig. 2; Hungary.
1930. *Friesea claviseta emucronata* Stach (1869) p. 281; Hungary.
1949. *Friesea claviseta emucronata* Stach (1887) p. 274.
1951. *Friesea mirabilis emucronata* Schaller (1746) p. 496; *lapsus calami?*
1957. *Friesea claviseta emucronata* Gisin (901) p. 475; Madeira.
1958. *Friesea claviseta emucronata* von Torne (1993) p. 660; Austria.
1959. *Friesea claviseta emucronata* Da Gama (494) p. 10; Madeira.
1960. *F. (Friesea) claviseta emucronata* Grindbergs (2373) p. 28; U.S.S.R.

Friesea coerulea (Schött) 1893

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1893. *Oudemansia coerulea* Schött (1766) p. 174, figs. 1–7; East Indian Archipelagos.
1925. *Oudemansia coerulea* Handschin (985) p. 267; East Indies.
1928. *Oudemansia coerulea* Handschin (1001) p. 266; Belitong I., East Indies.

Friesea coiffaiti Cassagnau and Delamare Deboutteville, 1955

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1955. *Friesea coiffaiti* Cassagnau and Del. Deb. (428) p. 372, fig. 4; Lebanon.
1960. *Friesea coiffaiti* Gisin (2271) p. 75; Lebanon.

Friesea decemoculata Borner, 1903

TYPE: Deutsch Entom. Inst., Berlin.
1903. *Friesea decemoculata* Borner (239) p. 134, figs. 3, 4; Sicily.
1925. *Friesea decemoculata* Denis (617) p. 210; Italy.
1937. *Friesea decemoculata* Kseneman (1217) p. 464; Czechoslovakia.
1938. *Friesea decemoculata* Kseneman (1220) p. 9; Czechoslovakia.
1949. *Friesea decemoculata* Stach (1887) p. 272; Sicily.
1960. *Friesea decemoculata* Gisin (2271) p. 71; Sicily.

Friesea decipiens Steiner, 1958

1958. *Friesea decipiens* Steiner (2342) p. 75, fig. 4; Spain.
1960. *Friesea decipiens* Gisin (2271) p. 72; Spain.

Friesea denisi Kseneman, 1936

1936. *Friesea denisi* Kseneman (1214) p. 101; Austria; Carpathians.
1937. *Friesea denisi* Kseneman (1217) p. 460, fig. 3; Carpathians.
1938. *Friesea desisi* Kseneman (1220) p. 9; Europe.
1943. *Friesea denisi* Gisin (853) p. 145; Switzerland.
1949. *Friesea denisi* Stach (1887) p. 271; Austria; East Carpathians.
1955. *Friesea denisi* Palissa (1545) p. 475; Ecology.
1955. *Friesea denisi* Stach (1893) p. 78; Added description.
1956. *Friesea denisi* Loksa (1310) p. 382; Ecology.
1959. *Friesea denisi* Haybach (2375) Tab. VIII; Ecology.
1960. *Friesea denisi* Gisin (2271) p. 72; Europe.

Friesea denisi anophthalma Kseneman, 1937

1937. *Friesea denisi anophthalma* Kseneman (1217) p. 461; Carpathians.

Friesea dubia (Denis) 1947

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1947. *Oudemansia dubia* Denis (673) p. 31, figs. 1–12; Madagascar.

Friesea duodecimoculata Denis, 1926

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1926. *Friesea duodecimoculata* Denis (626) p. 10; Italy.
1927. *Friesea 12-oculata* Denis (629) p. 181, figs. 15–20; Italy.
1949. *Friesea 12-oculata* Stach (1887) p. 272; Italy.
1953. *Friesea 12-oculata* Cassagnau (415) p. 72; France.
1958. *Friesea albida atypica* Cassagnau (2259) p. 21; France.
1960. *Friesea duodecimoculata* Gisin (2271) p. 71; Appennines; Pyrénées.

Friesea emucronata (Stach) 1922

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1922. *Friesea claviseta emucronata* Stach (1860) p. 6, Pl. 3, fig. 2; Hungary.
1930. *Friesea claviseta emucronata* Stach (1869) p. 281; Hungary.
1932. *Friesea emucronata* Kseneman (1211) p. 6, figs. 2, 3, 4; Europe.
1934. *Friesea grandis* Mills (1417) p. 21, figs. 36–42; Iowa. cf. Stach (1887) p. 271.
1937. *Friesea emucronata* Kseneman (1217) p. 464; Czechoslovakia.
1938. *Friesea emucronata* Kseneman (1220) p. 9; Europe.
1947. *Friesea emucronata* Del. Deb. (550) p. 127; France.
1948. *Friesea emucronata* Franz and Beier (821) p. 452; Austria; Ecology.
1949. *Friesea emucronata* Stach (1887) p. 274; Europe; Synonymy.
1953. *Friesea emucronata* Cassagnau (415) p. 72; France.
1955. *Friesea emucronata* Goto (921) p. 267; Britain.
1955. *Friesea emucronata* Stach (1893) p. 78; Poland; Czechoslovakia.
1960. *Friesea mirabilis emucronata* Palissa (2319) p. 359; Systematics and Ecology.

Friesea esakii (Kinoshita) 1932

1932. *Pseudachorutes esakii* Kinoshita (1178) p. 2117 and figs.; Japan.
1957. *Oudemansia esakii* Ueno (2046) p. 286; Japan.
1958. *Oudemansia esakii* Yosii (2236) p. 683, Pl. LXIII, fig. 2, Pl. LXIV, figs. 12–20; Japan.

Friesea gadeae Selga, 1958

TYPE: Lab. Biol. Aplic., Univ. Barcelona, Spain.
1958. *Friesea gadeae* Selga (1808) p. 3, fig. 1; Barcelona.
1960. *Friesea gadeae* Gisin (2271) p. 74; Spain.

Friesea grandis Mills, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Friesea grandis* Mills (1417) p. 21, figs. 36–42; Iowa.
1946. *Friesea grandis* Pearse (1575) p. 139; South Carolina; Ecology.
1949. *Friesea grandis* Stach (1887) p. 274; U.S.A.
1950. *Friesea grandis* Wray (2216) p. 61; Utah.
1956. *Friesea grandis* Wray and Knowlton (2214) p. 2; Idaho.
1956. *Tullbergia grandis Mills* Wray and Knowlton (2214) p. 2; *lapsus calami.*

Friesea grisea (Schaeffer) 1891

1891. *Tullbergia grisea* Schaeffer (1732) p. 193, figs. 5–6; South Georgia; cf. Denis (638).
1897. *Pseudotullbergia grisea* Schaeffer (1736) p. 8; Antarctic.
1901. *Achorutoides antarcticus* Willem (2127) p. 260; cf. Denis (638).
1902. *Achorutoides antarcticus* Willem (2130) p. 8, Pl. II, figs. 3–10; Antarctic.
1906. *Friesea grisea* Wahlgren (2079) p. 6; South Shetlands; Graham Ld.; Synonymy.
1907. *Achorutoides antarcticus* Carl (357) p. 3; Antarctic.
1909. *Friesea grisea* Enderlein (724) p. 461; South Georgia; Graham Ld.; South Shetlands.
1913. *Friesea grisea* Ivanoff (1113) p. 204; = *A. antarcticus* Willem.
1931. *Friesea grisea* Denis (638) p. 87; Synonymy.
1946. *Friesea grisea* Denis (671) p. 1; Antarctic.
1949. *Friesea grisea* Salmon (1690) p. 161, fig. 1; Synonymy.
1949. *Friesea grisea* Stach (1887) p. 271; Antarctic; Synonymy.
1959. *Friesea grisea* Gressitt and Weber (2273) p. 445; South Shetlands.

Friesea handschini (Kseneman) 1937

1937. *Friesea* (*Polyacanthella*) *handschini* Kseneman (1217) pp. 461, 463, fig. 5; Carpathians.
1949. *Friesea handschini* Stach (1887) p. 300, Pl. XXXI; East Carpathians; Revised description.
1955. *Friesea handschini* Stach (1893) p. 77, figs. 178–180; Poland.
1958. *Friesea handschini* von Torne (1993) pp. 660, 675; Austria.
1960. *Friesea handschini* Gisin (2271) p. 76; Europe.

Friesea inermis Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea inermis* Cassagnau (2259) p. 21, fig. 2; Pyrénées.
1960. *Friesea inermis* Gisin (2271) p. 74; Pyrénées.

Friesea japonica Yosii, 1954

TYPE: Osaka Mun. Museum, Japan.
1954. *Friesea japonica* Yosii (2231) p. 782, fig. 4; Japan.
1956. *Friesea japonica* Yosii (2235) p. 22, Pl. VI, fig. 51.

Friesea jeanneli (Denis) 1947

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1947. *Friesea* (*Polyacanthella*) *jeanneli* Denis (673) p. 34, figs. II 1–9; Kerguelen Is.
1949. *Friesea jeanneli* Stach (1887) p. 277; Kerguelen Is.; Systematics.

Friesea ladeiroi Da Gama, 1959

TYPE: Mus. Lab. Zool., Coimbra, Portugal.
1959. *Friesea ladeiroi* Da Gama (494) p. 11, fig. V; Madeira.

Friesea magnicornis Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Friesea magnicornis* Denis (638) p. 84, figs. 37–45; Costa Rica.
1933. *Friesea magnicornis* Denis (645) p. 225; Costa Rica.
1949. *Friesea magnicornis* Stach (1887) p. 273; Costa Rica.
1953. *Friesea magnicornis* Hammer (972) p. 22; North Canada; North America.

Friesea mauriesi Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea mauriesi* Cassagnau (2259) p. 22; Pyrénées.
1960. *Friesea mauriesi* Gisin (2271) p. 75; Pyrénées.

Friesea maxima Baijal, 1956

TYPE: Zool. Surv. India, Calcutta.
1956. *Friesea maxima* Baijal (1828) p. 375 and 6 figs.; N.W. Himalayas.

Friesea mirabilis (Tullberg) 1871

COTYPE: Swed. Mus. Nat. Hist., Stockholm.
1871. *Triaena mirabilis* Tullberg (2002) p. 155; Sweden.
1872. *Triaena mirabilis* Tullberg (2003) p. 57, Pl. XII, figs. 3–10.
1883. *Triaena mirabilis* Brook (291) p. 21, Pl. 1, figs. 11–14; England.
1893. *Triaena mirabilis* Schött (1765) p. 92; Sweden.
1895. *Friesea mirabilis* Dalla Torre (498) p. 14; Systematics.
1899. *Triaena mirabilis* Carpenter and Evans (402) p. 256, Pl. VIII, fig. 23; Scotland.
1900. *Friesea mirabilis* Axelson (75) p. 111; Finland.
1901. *Friesea mirabilis* Krausbauer (1204) p. 91, figs. 89–90; Germany.
1904. *Friesea mirabilis* Axelson (79) p. 67; Norway.
1905. *Friesea mirabilis* Axelson (81) p. 27; Tvarminne, Finland.
1905. *Friesea mirabilis* Axelson (82) p. 8; Reval, Russia.
1905. *Friesea mirabilis* Becker (160) p. 7; Russia.
1906. *Friesea mirabilis* Wahlgren (2080) p. 247, fig. 14; Sweden.
1907. *Friesea mirabilis* Axelson (83) p. 128; Finland.
1908. *Triaena mirabilis* Evans (741) p. 198; Scotland.
1910. *Friesea mirabilis* Bagnall (102) p. 499; Britain.
1910. *Friesea mirabilis* Collinge (464) p. 8; England.
1911. *Friesea mirabilis* Axelson (1291) p. 8; Norway.
1912. *Friesea mirabilis* Axelson (1292) p. 57, Pl. VI, figs. 15–21; Finland; Added description.
1919. *Friesea mirabilis* Axelson (1293) p. 5; Arctic Urals.
1919. *Friesea mirabilis* Brown (297) p. 64; England.
1920. *Friesea mirabilis* Stach (1859) p. 138; Poland; Scandinavia; Finland; Britain; Austria; Germany.
1921. *Friesea mirabilis* Denis (607) p. 124; France.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1923. *Friesea mirabilis* Brown (302) p. 262; England.
1924. *Friesea mirabilis* Denis (614) p. 290; France.
1924. *Friesea mirabilis* Handschin (981) p. 95; Switzerland.
1924. *Friesea mirabilis* Houlbert (1078) p. 66, Pl. II, fig. 7; Germany; England.
1925. *Friesea mirabilis* Womersley (2148) p. 168; S.W. England.
1926. *Friesea mirabilis* Brown (307) p. 333; England.
1926. *Friesea mirabilis* Stirnimann (1907) p. 251; Ecology.
1927. *Friesea mirabilis* Denis (629) p. 181; Italy.
1927. *Friesea mirabilis* Handschin (999) p. 298; Westfalian peat bogs.
1928. *Friesea mirabilis* Handschin (1003) p. 125; East Prussia.
1928. *Friesea mirabilis* Womersley (2154) p. 375; S.W. England.
1929. *Friesea mirabilis* Bonet (200) p. 795; Spain.
1929. *Friesea mirabilis* Buitendijk (333) p. 19; Europe.
1929. *Friesea mirabilis* Buitendijk (334) p. 55; Holland.
1929. *Friesea mirabilis* Handschin (1008) p. 33; Europe.
1929. *Friesea mirabilis* Stach (1869) p. 269; North and Mid Europe.

1930. *Friesea mirabilis* Womersley (2168) p. 170; Ireland.
1931. *Friesea mirabilis* Denis (639) p. 206; Germany; References.
1931. *Friesea mirabilis* Lindroth (1286) p. 127; Iceland.
1933. *Friesea mirabilis* Turk (2007) p. 93; Britain.
1933. *Friesea mirabilis* Womersley (2176) p. 56, text-fig. 3 c-a; Australia.
1934. *Friesea mirabilis* Agrell (37) p. 218; Sweden.
1934. *Friesea mirabilis* Davies (522) p. 117; Wales.
1934. *Friesea mirabilis* Durkop (707) p. 494; Russia; Finland; Sweden.
1934. *Friesea mirabilis* Volz (2069) p. 170; Ecology.
1935. *Friesea mirabilis* Durkop (708) p. 133; Germany.
1936. *Friesea mirabilis* Brown (314) p. 612; Lapland.
1936. *Friesea mirabilis* Tarsia in Curia (1951) p. 19; Italy.
1937. *Friesea mirabilis* Ford (811) p. 103; Ecology.
1937. *Friesea mirabilis* Frenzel (828) p. 296; Ecology.
1937. *Friesea mirabilis* Kseneman (1217) p. 464; Czechoslovakia.
1938. *Friesea mirabilis* Kseneman (1219) p. 106; Alpine.
1938. *Friesea mirabilis* Kseneman (1220) p. 9; Europe.
1938. *Friesea mirabilis* Strebel (1917) p. 123; Germany; Ecology.
1939. *Friesea mirabilis* Womersley (2190) p. 100, fig. 43 A-D; South Australia.
1941. *Friesea mirabilis* Agrell (46) p. 19; Swedish Lapland.
1941. *Friesea mirabilis* Buitendijk (336) p. 23; Germany; Netherlands; Britain; Scandinavia; Russia.
1942. *Friesea mirabilis* Marlier (1375) p. 8; Belgium.
1943. *Friesea mirabilis* Agrell (47) p. 124; Sweden.
1943. *Friesea mirabilis* Gisin (853) p. 145; Switzerland.
1944. *Friesea mirabilis* Gisin (855) p. 131, fig. 6; Morphology.
1944. *Friesea mirabilis* Tuxen (2010) p. 181; Iceland.
1945. *Friesea mirabilis* Agrell (50) p. 10; Sweden; Habitats.
1945. *Friesea mirabilis* Backlund (86) p. 36, fig. 1; Scandinavia.
1947. *Friesea mirabilis* Del. Deb. (550) p. 127; France.
1948. *Friesea mirabilis* Gisin (867) p. 84; Switzerland.
1948. *Macgillivraya mirabilis* Salt etc. (1724) p. 145; Ecology.
1948. *Friesea mirabilis* Weis-Fogh (2109) p. 200; Denmark.
1949. *Friesea mirabilis* Janetschek (1127) pp. 41, 135–143; Ecology.
1949. *Friesea mirabilis* Schaller (1742) p. 268; Germany; Ecology.
1949. *Friesea mirabilis* Stach (1887) p. 287, Pl. XXVIII; Poland; Germany; Hungary; Austria; Styria; White Russia; West Ukraine; Revised description.
1949. *Friesea mirabilis* Strenzke (1922) p. 205; Germany; Ecology.
1951. *Friesea mirabilis* Del. Deb. (575) p. 56; Oriental Pyrenees, in caves.
1951. *Friesea mirabilis* Goto (921) p. 267; Britain.
1951. *Friesea mirabilis* Praport (1610) p. 139; Poland.
1951. *Friesea mirabilis* Schaller (1746) p. 463; Germany; Ecology.
1952. *Friesea mirabilis* Baudissin (152) p. 56; Ecology.
1952. *Friesea mirabilis* Haarlov (956) p. 425; Denmark.
1952. *Friesea mirabilis* Hammer (971) p. 412; Greenland; Soil Collemb.
1952. *Friesea mirabilis* MacFadyen (1337) p. 94; England; Ecology of fens.
1953. *Friesea mirabilis* Cassagnau (415) p. 72; France.
1953. *Friesea mirabilis* MacFadyen (1338) p. 73; Ecology.
1954. *Friesea mirabilis* Bellinger (174) p. 19; Connecticut.
1954. *Friesea mirabilis* Strenzke (1925) p. 49; Northern Europe.
1955. *Friesea* (*Friesea*) *mirabilis* Goto (918) p. 30; British Isles.
1955. *Friesea mirabilis* Haarlov (958) p. 174; Ecology.
1955. *Friesea mirabilis* Murphy (1474) p. 160; Ecology.
1955. *Friesea mirabilis* Palissa (1545) p. 482; Ecology.
1955. *Friesea mirabilis* Stach (1893) p. 80, figs. 188–189; Europe.
1955. *Friesea mirabilis* Strenzke (1926) p. 21; North Europe.
1956. *Friesea mirabilis* Bockemuhl (193) p. 131; Spitzbergen.
1956. *Friesea mirabilis* Brinck, Dahl and Wieser (277) p. 125; East Scania, Sweden.
1956. *Friesea mirabilis* Goto (926) p. 7; Outer Hebrides.
1956. *Friesea mirabilis* Loksa (1310) p. 382; Ecology.
1956. *Friesea mirabilis* Paclt (1541) p. 103; Biology.
1956. *Friesea mirabilis* Stevanovic (1903) p. 4; Yugoslavia.
1957. *Friesea mirabilis* Bodvarsson (2252) p. 11; Iceland.
1957. *Friesea mirabilis* Gunhold (2280) p. 470; Ecology.
1957. *Friesea mirabilis* Haarlov (2281) p. 10; Denmark; Habitats.
1957. *Friesea mirabilis* Kuhnelt (1224) p. 87; Ecology.
1958. *Friesea mirabilis* Cassagnau (2259) p. 20; France.
1958. *Friesea mirabilis* Grindbergs (2277), p. 191; Latvia.
1958. *Friesea mirabilis* Holler-Land (2283) p. 110; Ecology.
1958. *Friesea mirabilis* Kholova (1169) p. 234; Bohemia.
1958. *Friesea mirabilis* Mrohs (1463) p. 323; Ecology.
1958. *Friesea mirabilis* von Torne (1993) p. 661; Austria.
1959. *Friesea mirabilis* Franz and Gunhold etc. (2369) p. 50; Communities.
1959. *Friesea mirabilis* Haybach (2375) Tab. VIII; Ecology.
1959. *Friesea mirabilis* Höller-Land (2284) p. 437; Germany; Ecology.
1959. *Friesea mirabilis* Palissa (2319) p. 278; Ecology.
1959. *Friesea mirabilis* Poole (1604) p. 73; Food of Collemb.
1959. *Friesea mirabilis* Stach (1896) p. 15; Poland.
1959. *Friesea mirabilis* Steiner (2343) p. 457; Spain.
1960. *Friesea mirabilis* Bodvarsson (2412) p. 174; Faeroes.
1960. *Friesea mirabilis* Gisin (2271) p. 70, figs. 14, 149, 150; Europe.
1960. *F.* (*Friesea*) *mirabilis* Grindbergs (2373) p. 28; U.S.S.R.
1960. *Friesea mirabilis* Paclt (2391) p. 156; Hungary.
1960. *Friesea mirabilis* Palissa (2319) p. 358, Pl. I, figs. 1–3; Systematics; Ecology.

Friesea mirabilis anophthalma Kseneman, 1938

1938. *Friesea mirabilis anophthalma* Kseneman (1219) p. 106, figs. 1–4; Austria.
1960. *Friesea mirabilis anophthalma* Palissa (2319) p. 359; Systematics; Ecology.

Friesea mirabilis quadrispina Axelson, 1907

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki, Finland.
1907. *Friesea mirabilis quadrispina* Axelson (83) p. 128; Finland.

1912. *Friesea mirabilis quadrispina* Linnaniemi (1292) p. 57; Finland.
1921. *Friesea mirabilis quadrispina* Kreis (1207) p. 275; Biology; Systematics.
1960. *Friesea mirabilis quadrispina* Palissa (2319) p. 359; Systematics; Ecology.

Friesea mirabilis quadrispina reducta (Stach) 1949

TYPE: Inst. Syst. Zool., Polish Acad., Cracow.
1949. *Friesea mirabilis reducta* Stach (1887) p. 293; Europe.
1959. *Friesea mirabilis quadrispina reducta* Da Gama (2266), p. 7; Portugal.

Friesea mirabilis reducta Stach, 1949

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1949. *Friesea mirabilis reducta* Stach (1887) p. 293; Europe.
1956. *Friesea mirabilis reducta* Bockemuhl (193) p. 131; Spitzbergen.
1956. *Friesea mirabilis reducta* Gisin (895) p. 12; Geneva.
1957. *Friesea mirabilis reducta* Gisin (898) p. 110; Switzerland.
1957. *Friesea mirabilis reducta* Gisin (901) p. 475; Madeira.
1959. *Friesea mirabilis reducta* Da Gama (494) p. 9, fig. IV; Madeira.
1959. *Friesea mirabilis quadrispina reducta* Da Gama (2266) p. 7; Portugal.
1959. *Friesea mirabilis reducta* Poole (1604) p. 73; Food of Collemb.

Friesea montana Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea montana Cassagnau* (2259) p. 24, fig. 5; Pyrénées.
1960. *Friesea montana* Gisin (2271) p. 74; Pyrénées.

Friesea monteiroi Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Friesea Monteiroi* Rapoport (2533) p. 10, figs. 67–77; Argentina.

Friesea multispinosa Denis, 1947

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1947. *Friesea (Polyacanthella) multispinosa* Denis (673) p. 37; Kerguelen Is.
1949. *Friesea multispinosa* Stach (1887) p. 278; Kerguelen Is.

Friesea nauroisi Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea nauroisi* Cassagnau (2259) p. 26; Spitzbergen.
1960. *Friesea nauroisi* Gisin (2271) p. 74; Spitzbergen.

Friesea nietonis Selga, 1958

TYPE: Lab. Biol. Aplic., Univ. Barcelona, Spain.
1958. *Friesea nietonis* Selga (1808) p. 3, fig. 2; Spain.
1960. *Friesea nietonis* Gisin (2271) p. 74; Spain.

Friesea nigroviolacea Enderlein, 1909

1909. *Friesea nigroviolacea* Enderlein (724) p. 458, figs. 232–236; Kerguelen Is.

Friesea oceanica (Uchida) 1955

1955. *Polyacanthella oceanica* Uchida (2033) p. 203, fig. 1; Marcus Is

Friesea octooculata Stach, 1949

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1949. *Friesea octooculata* Stach (1887) p. 298, Pl. XXX; Poland.
1952. *Friesea oculata?* Massera (1382) p. 29; Italy.
1955. *Friesea octooculata* Stach (1893) p. 78, figs. 181–183; Poland.
1959. *Friesea octooculata* Stach (1896) p. 14; Poland.
1960. *Friesea octooculata* Gisin (2271) p. 72; Poland.

Friesea oligorhopala Caroli, 1914

1914. *Friesea oligorhopala* Caroli (362) p. 4, fig. 4; Italian Libya.
1934. *Friesea oligorhopala* Womersley (2177) p. 467; Italian Libya.
1949. *Friesea oligorhopala* Stach (1887) p. 274; Tripoli; Malta.
1958. *Friesea oligorhopala* Cassagnau (2259) p. 20, fig. 1; France.
1960. *Friesea oligorhopala* Gisin (2271) p. 70; Tripoli; Malta.

Friesea parva (Womersley) 1936

TYPE: Sth. Austr. Mus., Adelaide.
1936. *Polyacanthella parva* Womersley (2183) p. 317, fig. 1 a-c; New Zealand.
1941. *Polyacanthella parva* Salmon (1676) p. 296, figs. 58–60; New Zealand.
1949. *Friesea parva* Stach (1887) p. 276; New Zealand.

Friesea pacyfica (Yosii) 1958

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1958. *Conotelsa pacyfica* Yosii (2236) p. 681, Pl. LXIII, fig. 1, Pl. LXIV, figs. 3–11; Japan.

Friesea pentacantha Mills, 1934

COTYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Friesea pentacantha* Mills (1417) p. 20, figs. 43–46; Iowa.
1949. *Friesea pentacantha* Stach (1887) p. 275; Iowa.

Friesea poseidonis Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Friesea poseidonis* Bagnall (120) p. 189; Britain.
1960. *Friesea poseidonis* Palissa (2319) p. 359; Systematics.

Friesea poseidonis inermis Bagnall, 1939

TYPE: Brit. Mus. Nat. Hist., London.
1939. *Friesea poseidonis inermis* Bagnall (120) p. 190; Britain.

Friesea poseidonis quadrispina Bagnall, 1939

TYPE: Brit. Mus. Nat. Hist., London.
1939. *Friesea poseidonis quadrispina* Bagnall (120) p. 190; Britain.

Friesea poseidonis tetracanthella Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Friesea poseidonis tetracanthella* Bagnall (120) p. 190; Britain.

Friesea poseidonis tumidicornis Bagnall, 1939

TYPE: Brit. Mus. Nat. Hist., London.
1939. *Friesea poseidonis tumidicornis* Bagnall (120) p. 190; Britain.

Friesea proprieta (Salmon) 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Polyacanthella proprieta* Salmon (1676) p. 296, Pl. 42, figs. 53–57; New Zealand.

Friesea quadrispina Cassagnau and Rapoport, 1962

1962. *Friesea quadrispina* Cassagnau and Rapoport (2446) p. 167, figs. 17, 18; South America.

Friesea quinquespinosa (Wahlgren) 1900

1900. *Polyacanthella quinquespinosa* Wahlgren (2077) pp. 368, 375, figs. 6–8; Greenland.
1928. *Polyacanthella quinquespinosa* Remy (1625) p. 62; Greenland.
1931. *Friesea quinquespinosa* Denis (638) p. 88; Systematics.
1934. *Friesea quinquespinosa* Jorgensen (1145) p. 7; Greenland.
1936. *Friesea quinquespinosa* Axelson (1297) p. 22; = *Polyacanthella.*
1937. *Polyacanthella quinquespinosa* Hammer (966) p. 10; East Greenland.
1938. *Friesea quinquespinosa* Hammer (968) p. 11; East Greenland.
1944. *Friesea quinquespinosa* Hammer (969) p. 61; Greenland.
1949. *Friesea quinquespinosa* Stach (1887) p. 276; East Greenland.
1960. *Friesea quinquespinosa* Gisin (2271) p. 74; Greenland.

Friesea schoetti (Denis) 1948

TYPE: Author's pers. colln., Lab. Zool., Fac. Sci., Dijon, France.
1948. *Oudemansia schötti* Denis (676) p. 192, figs. 3 h-k; Indochina.
1960. *Oudemansia schötti* Yosii (2408) p. 15, fig. 6; New Caledonia.

Friesea stachi Kseneman, 1936

1936. *Friesea stachi* Kseneman (1214) p. 101; Carpathians.
1937. *Friesea stachi* Kseneman (1217) p. 461, fig. 4; Carpathians.
1949. *Friesea stachi* Stach (1887) p. 271; East Carpathians.
1955. *Friesea stachi* Stach (1893) p. 77; Added description.
1960. *Friesea stachi* Gisin (2271) p. 72; Carpathians.

Friesea subcoerulea (Denis) 1948

TYPE: Author's pers. colln., Lab. Zool., Fac. Sci., Dijon, France.
1948. *Oudemansia subcoerulea* Denis (676) p. 193, figs. 3 a-g.

Friesea sublimis MacNamara, 1926

1926. *Friesea sublimis* MacNamara (1362) p. 128; North America.
1933. *Friesea sublimis* James (1124) p. 91; Canada.
1944. *Friesea claviseta sublimis* Gisin (854) p. 18; North America.
1949. *Friesea sublimis* Stach (1887) p. 273; Canada.
1951. *Friesea claviseta sublimis* Maynard (1393) p. 57; New York; Canada; Distribution.
1960. *Friesea sublimis* Gisin (2271) p. 70; Europe; Canada.

Friesea subterranea Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea subterranea* Cassagnau (2259) p. 25, fig. 6; France; Spain.
1960. *Friesea subterranea* Gisin (2271) p. 73; France; Spain.
1960. *Friesea subterranea coeca* Gisin (2271) p. 73.

Friesea subterranea coeca Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea subterranea coeca* Cassagnau (2259) p. 25; France.
1960. *Friesea subterranea coeca* Gisin (2271) p. 73; =*F. subterranea.*

Friesea subterranea tolosana Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea subterranea tolosana* Cassagnau (2259) p. 25; France.
1960. *Friesea tolosana* Gisin (2271) p. 73; France.

Friesea subterranea troglophila Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea subterranea troglophila* Cassagnau (2259) p. 25; France.
1960. *Friesea troglophila* Gisin (2271) p. 73; Pyrénées.

Friesea thalassophila (Bagnall) 1939

TYPE: Brit. Mus. Nat. Hist., London.
1939. *Polyacanthella thalassophila* Bagnall (117) p. 22, figs. 1–3, 6–8; Britain.

Friesea tourratensis Cassagnau, 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea tourratensis* Cassagnau (2259) p. 23, fig. 4; Pyrénées.
1960. *Friesea tourratensis* Gisin (2271) p. 75; Pyrénées.

Genus: MORULODES Cassagnau, 1955 (422) p. 160.
Type species fixed: *M. millsi* Cassagnau, 1955 (422) p. 160.

Morulodes millsi Cassagnau, 1955

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1955. *Morulodes millsi* Cassagnau (422) p. 160, figs. 13, 14; Oregon.

Genus: COLONAVIS Salmon, 1949 (1689) p. 13.
Type species fixed: *C. grandis* Salmon, 1949 (1689) p. 14; monotype.

Colonavis grandis Salmon, 1949

TYPE: Dom. Mus., Wellington, N.Z.
1949. *Colonavis grandis* Salmon (1689) p. 14, figs. 31–39; Campbell I.

Genus: NEOCOLONAVIS *gen. nov.*
Type species now designated: *N. reducta* (Denis).

Neocolonavis nigrissima (Salmon) 1954

1954. *Setanurida nigrissima** Salmon (1698) p. 3, figs. 7–12; E. Africa.

Neocolonavis reducta (Denis) 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Friesea reducta* Denis (638) p. 83, figs. 34–36; Costa Rica.
1949. *Friesea reducta* Stach (1887) p. 270; Costa Rica.
1958. *Friesea truncata* Cassagnau (2259) p. 20; *nom. nov.*

Genus: PSEUDOCOLONAVIS *gen. nov.*
Type species now designated: *P. fagei* (Denis).

* This species is transferred to the genus *Neocolonavis* on account of the structure of the maxilla which being Anuridan prevents the species being kept in the genus *Setanurida.*

Pseudocolonavis fagei (Denis) 1932

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1932. *Friesea fagei* Denis (641) p. 361, figs. II 1–8; France.
1949. *Friesea fagei* Stach (1887) p. 270; France.
1955. *Friesea fagei* Strenzke (1926) p. 21; France.
1960. *Friesea fagei* Gisin (2271) p. 73; France.

Pseudocolonavis fagei colorata (Cassagnau) 1958

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1958. *Friesea fagei colorata* Cassagnau (2259) p. 22, fig. 3; France.

Genus: PROTANURA Borner, 1906 (243) p. 169.

Type species fixed: *P. quadrioculata* (Borner) by Borner, 1906 (243) p. 167.

Protanura burti Fernando, 1957

1957. *Protanura Burti* Fernando (759) p. 197, Pl. XXXIX, figs. 1–4; Ceylon.

Protanura capitata Folsom, 1932

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Protanura capitata* Folsom (801) p. 56, Pl. 3, figs. 31–36; Honolulu.
1938. *Protanura capitata* Handschin (1011) p. 139; Hawaiian Is.
1948. *Protanura capitata* Zimmerman (2237) p. 50, fig. 15; Hawaii.
1959. *Protanura capitata* Yosii (2355) p. 18; Hawaii.

Protanura carpenteri Mukerji, 1932

1932. *Protanura carpenteri* Mukerji (1465) p. 131; India.
1932. *Protanura carpenteri* Mukerji (1466) p. 49; India.
1959. *Protanura carpenteri* Yosii (2355) p. 18; Calcutta.

Protanura kraepelini Borner, 1906

1906. *Protanura kraepelini* Borner (243) p. 169; Java.
1925. *Protanura kraepelini* Handschin (985) p. 266; Java.
1928. *Protanura kraepelini* Handschin (1001) p. 265; Java.
1959. *Protanura kraepelini* Yosii (2355) p. 8, fig. 6; Singapore.

Protanura monticelli Caroli, 1910

1910. *Protanura monticelli* Caroli (359) p. 321; Italy.
1912. *Protanura monticelli* Caroli (361) p. 356, figs. 1, 6–12; Italy.
1925. *Protanura monticelli* Denis (617) p. 210; Italy.
1960. *Neanura monticelli* Gisin (2271) p. 99; Italy.

Protanura papillata Cassagnau and Del. Deb., 1955

TYPE: Author's pers. colln., Fac. Sci., Univ. Toulouse, France.
1955. *Protanura papillata* Cassagnau and Del. Deb. (428) p. 374, fig. 5; Lebanon.
1955. *Protanura papillata* Cassagnau (422) p. 137, fig. 1D; Lebanon.
1960. *Neanura papillata* Gisin (2271) p. 103; Lebanon.

Protanura pseudomuscorum (Borner) 1903

TYPE: Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1903. *Neanura pseudomuscorum* Borner (239) p. 135; Sicily.
1912. *Protanura pseudomuscorum* Caroli (361) p. 358; Italy.
1924. *Protanura pseudomuscorum* Denis (614) pp. 255, 290, fig. 1; France.
1925. *Protanura pseudomuscorum* Denis (617) p. 210; Italy.
1925. *Protanura pseudomuscorum* Denis (620) p. 254; North Africa.
1929. *Protanura pseudomuscorum* Bonet (200) p. 797; Spain.
1934. *Protanura pseudomuscorum* Womersley (2177) p. 468; Europe; Algeria.
1957. *Protanura pseudomuscorum* Selga (1806) p. 117; Galicia.
1960. *Neanura pseudomuscorum* Gisin (2271) p. 103; Europe.

Protanura quadrioculata (Borner) 1901

1901. *Neanura quadrioculata* Borner (230) p. 433, fig. 9; Sicily.
1903. *Neanura quadrioculata* Guthrie (951) p. 101, Pl. XII, fig. 15; Minnesota.
1906. *Protanura quadrioculata* Borner (243) p. 167; Germany; Systematics.
1907. *Protanura quadrioculata* Axelson (83) p. 129; Finland.
1912. *Protanura quadrioculata* Axelson (1292) p. 77, Pl. VII, fig. 30, Pl. VIII, figs. 1, 2; Finland; Systematics.
1913. *Neanura quadrioculata* Barber (142) p. 47; Virginia; Luminous Collemb.
1916. *Neanura quadrioculata* Folsom (787) p. 512, Pl. 25, figs. 241–245; North America.
1925. *Protanura quadrioculata* Denis (617) p. 210; Italy.
1929. *Protanura quadrioculata* Handschin (1008) p. 39, fig. 59; Finland; Sicily.
1932. *Neanura quadrioculata* Maynard (1391) p. 218; New York.
1952. *Neanura quadrioculata* Harvey (1025) p. 368; Bioluminescence.
1953. *Neanura quadrioculata* Hammer (972) p. 34; North Canada.
1960. *Protanura quadrituberculata* Grindbergs (2373) p. 64; *lapsus calami?*

Protanura spinifera Carpenter, 1917

1917. *Protanura spinifera* Carpenter (391) p. 562, Pl. IV, figs. 1–9; Assam; Burma.
1931. *Protanura spinifera* Bonet (205) p. 376; Assam.
1951. *Protanura spinifera* Salmon (1694) p. 131; Singapore I.

Species Indeterminata in Fam. ANURIDAE

Achorutes magnoliana* Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Achorutes magnoliana* Wray (2204) p. 98, figs. 20–23; Illinois.

Family: PROTACHORUTIDAE *nov.*

Type genus: *Protachorutes* Cassagnau, 1955 (422).

Genus: AOTEARERIA *gen. nov.*

Type species now designated: *A. novae-zealandiae* (Womersley) 1936.

* This species from the general description given would appear to belong in the Anuridae, but no definite placement can be made in the absence of any description of the mouth parts.

Aoteareria auricularia (Cassagnau and Rapoport) 1962, *gen. nov.*

1962. *Pseudachorutes auricularius* Cassagnau and Rapoport (2446) p. 170, fig. 20; Argentina.

Aoteareria novae-zealandiae (Womersley) 1936

TYPE: Sth. Austr. Mus., Adelaide.

1936. *Pseudachorutes novae-zealandiae* Womersley (2183) p. 381, fig. 1, i-k; New Zealand.
1937. *Ceratrimeria novae-zealandiae* Womersley (2187) p. 378; New Zealand.
1941. *Ceratrimeria novae-zealandiae* Salmon (1676) p. 302, figs. 85–87; New Zealand.

Genus: PROTACHORUTES Cassagnau, 1955 (422) p. 154.

Types species fixed: *P. pyrenaeus* Cassagnau, 1955 (422) p. 154.

Protachorutes pyrenaeus Cassagnau, 1955

PARATYPE: Brit. Mus. Nat. Hist., London.

1955. *Protachorutes pyrenaeus* Cassagnau (422) p. 154, figs. 9 and 10; Pyrénées.
1960. *Anurida pyrenaea* Gisin (2271) p. 87; Pyrénées.

Genus: PSEUDARLESIA *gen. nov.*

Type species now designated: *P. cochabambensis* (Cassagnau and Rapoport) 1962 (2446) p. 179.

Pseudarlesia cochabambensis (Cassagnau and Rapoport) 1962, *gen. nov.*

1962. *Arlesia cochabambensis* Cassagnau and Rapoport (2446) p. 179, fig. 26; Bolivia.

Genus: YOSIALINA *gen. nov.*

Type species now designated: *Y. similis* (Yosii) 1954.

Yosialina similis (Yosii) 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.

1954. *Lobella similis* Yosii (2232) p. 18, figs. 32–36; Japan.
1956. *Lobella similis* Yosii (2234) p. 614; Japan.
1956. *Lobella similis* Yosii (2235) p. 39, Pl. XXI, figs. 121–124; Japan.
1959. *Lobella similis* Yosii (2355) p. 17; Japan.

Genus: MONTACHORUTES Stach, 1949 (1888) p. 56.

Type species fixed: *M. remyi* (Denis) by Stach, 1949 (1888) p. 56.

Montachorutes megacephalus Salmon, 1954

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.

1954. *Montachorutes megacephala* Salmon (1704) p. 213, figs. 1–9, T.F. 1; New Zealand.

Montachorutes remyi (Denis) 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1933. *Pseudachorutes remyi* Denis (644) p. 212; Greek Macedonia.
1935. *Pseudachorutes remyi* Denis (652) p. 334, figs. 1–10; Greek Macedonia; add. descr.
1949. *Montachorutes remyi* Stach (1888) pp. 56, 65, 70, 83; Swiss Alps; Macedonia.
1955. *Montachorutes remyi* Cassagnau (422) p. 139, fig. 2-B.
1960. *Pseudachorutes remyi* Gisin (2271) p. 82; Macedonia.

Montachorutes remyi alpina (Gisin) 1960

TYPE: Mus. Hist. Natur., Geneva.

1960. *Pseudachorutes remyi alpina* Gisin (2271) p. 83, fig. 167; Austria; Styria.

Genus: RUWENZORIELLA *gen. nov.*

Type species now designated: *R. ugandensis* (Salmon) 1954.

Ruwenzoriella ugandensis (Salmon) 1954

TYPE: Brit. Mus. Nat. Hist., London.

1954. *Aethiopella ugandensis* Salmon (1698) p. 9, figs. 39–49; Uganda.

Genus: NEOZEALANDELLA *gen. nov.*

Type species now designated: *N. harrisi* (Salmon) 1942.

Neozealandella harrisi (Salmon) 1942

TYPE: Dominion Mus., Wellington, New Zealand.

1942. *Ceratrimeria harrisi* Salmon (1677) p. 258, Pl. 43, figs. 4–7; New Zealand.
1944. *Ceratrimeria harrisi* Salmon (1683) p. 131, Pl. 53, fig. 5; New Zealand; colour descr.

Genus: PLATANURIDA Carpenter, 1925 (395) p. 5.

Type species fixed: *P. lata* Carpenter, by Stach, 1949 (1888) p. 60; by monotype.

Platanurida lata Carpenter, 1925

PARATYPE: Cant. Mus., Chch., N.Z.; LECTOTYPE AND SYNTYPE: Manchester Mus., England.

1925. *Platanurida lata* Carpenter (395) p. 5, figs. 15–20; New Zealand.
1941. *Ceratrimeria lata* Salmon (1676) p. 301, figs. 73–75; New Zealand; descr.
1942. *Ceratrimeria lata* Salmon (1677) p. 258; New Zealand; Note on furcula.
1954. *Platanurida lata* Salmon (1697) p. 24; New Zealand.

Genus: LOBELLA Börner, 1906 (243) p. 168.

Type species fixed: *L. sauteri* Börner (243) p. 168.

Lobella guadalcanarae Yosii, 1960

TYPE: Yoshida Coll., Kyoto Univ., Japan.

1960. *Lobella guadalcanarae* Yosii (2408) p. 14, fig. 5; Solomon Is.

Lobella mizunasiana Yosii, 1956

1956. *Lobella mizunasiana* Yosii (2234) p. 614, fig. 6; Japan.
1956. *Lobella mizunasiana* Yosii (2235) p. 39; Japan.
1959. *Lobëlla mizunashiana* Yosii (2355) p. 17; Japan.

Lobella perfusa Denis, 1934

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1934. *Lobella perfusa* Denis (647) p. 119; Indo-China.
1948. *Lobella perfusa* Denis (676) p. 204, fig. 7; Indo-China.
1951. *Biloba perfusa* Stach (1890) p. 32; Indo-China.
1959. *Lobella perfusa* Yosii (2355) p. 17; Annam.

Lobella roseola Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.

1954. *Lobella roseola* Yosii (2231) p. 797, fig. 16; Japan.
1956. *Lobella (Lobellina) roseola* Yosii (2235) p. 40; Japan.
1957. *Lobella roseola* Nomura (1499) p. 68; Japan.
1959. *Lobella roseola* Yosii (2355) p. 17; Japan.

Lobella sauteri Börner, 1906

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.

1906. *Lobella (Achorutes) sauteri* Börner (243) p. 168; Java.
1938. *Lobella sauteri* Uchida (2015) p. 7; Japan.

1956. *Lobella sauteri* Yosii (2234) p. 614, fig. 4, A-E; Japan.
1956. *Lobella sauteri* Yosii (2235) p. 39; Japan.
1957. *Lobella sauteri* Uchida (2041) p. 18; Japan.
1959. *Lobella sauteri* Yosii (2355) p. 17; Japan.

Lobella stachi Yosii, 1956

TYPE: Auth. Pers. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Lobella stachi* Yosii (2234) p. 614, fig. 7; Japan.
1956. *Lobella stachi* Yosii (2235) p. 39; Japan.
1957. *Lobella stachi* Nomura (1499) p. 68; Japan.
1959. *Lobella stachi* Yosii (2355) p. 7; Japan.

Lobella uozumii Yosii, 1956

1956. *Lobella uozumii* Yosii (2234) p. 614, fig. 5; Japan.
1956. *Lobella uozumii* Yosii (2235) p. 39; Japan.
1959. *Lobella uozumii* Yosii (2355) p. 17; Japan.

Family: SETANURIDAE *nov.*

TYPE GENUS: *Setanurida* Salmon, 1954 (1698).

Genus: ZELANDMERIA Stach, 1949 (1888) p. 59.
= *Ceratrimeria* Salmon, 1944 (1683) p. 131.
Type species fixed: *Z. aurea* (Salmon) by Stach, 1949 (1888) p. 59.

Zelandmeria aurea (Salmon) 1944

TYPE: Dom. Mus., Wellington, N.Z.
1944. *Ceratrimeria aurea* Salmon (1683) p. 133, Pl. 53, fig. 6, Pl. 56, figs. 44, 45; New Zealand.
1949. *Zelandmeria aurea* Stach (1888) p. 59; Systematics.

Genus: PORTACHORUTES Wray, 1953 (2210) p. 147.
Type species fixed: *P. mambatus* Wray, 1953 (2210) p. 147.

Portachorutes mambatus Wray, 1953

HOLOTYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Portachorutes mambatus* Wray (2210) p. 147, fig. 2 G-N; Puerto Rico.

Genus: SETANURIDA Salmon, 1954 (1698) p. 1.
Type species fixed: *S. salti* Salmon, 1954 (1698) p. 1.

Setanurida salti Salmon, 1954

HOLOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1954. *Setanurida salti* Salmon (1698) p. 1, figs. 1–6; East Africa.

Genus: NEOAFRICELLA *gen. nov.*

Type species now designated: *N. mabirensis* (Philiptschenko) 1926.

Neoafricella mabirensis (Philiptschenko) 1926

PLESIOTYPE: Brit. Mus. Nat. Hist., London.
1926. *Pseudachorutes mabirensis* Philiptschenko (1592) p. 181, figs. 1–4; East Africa.
1929. *Pseudachorutes mabirensis* Handschin (1007) p. 27; East Africa.
1949. *Pseudachorutes mabirensis* Stach (1888) p. 97; Systematics.
1954. *Pseudachorudina mabirensis* Salmon (1698) p. 6, figs. 25–38; Add. descr.

Genus: MICROGASTRURA Stach, 1922 (1861) p. 113.
Type species fixed: *M. duodecimoculata* Stach, 1949 (1887) p. 256; monotype.

Microgastrura duodecimoculata Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Microgastrura duodecimoculata* Stach (1861) p. 113, Pl. VIII, figs. 9–12; Albania.
1935. *Microgastrura duodecimoculata* Denis (652) p. 330; Albania; Yugoslavia.
1949. *Microgastrura duodecimoculata* Stach (1887) p. 256.
1951. *Microgastrura duodecimoculata* Gisin (882) p. 2; Switzerland.
1957. *Microgastrura 12-oculata* Gisin (898) p. 110; Switzerland.
1958. *Microgastrura duodecimoculata* von Torne (1993) p. 661; Austria.
1960. *Microgastrura duodecimoculata* Gisin (2271) p. 80, figs. 161, 162; Switzerland; Austria.

Microgastrura minutissima (Mills) 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Achorutes (Schöttella) minutissimus* Mills (1417) p. 14, figs. 15–19; Iowa.
1954. *Microgastrura minutissima* Bellinger (174) p. 19; Connecticut.

Family NEANURIDAE *nov.*

Genus: MEGACHORUTES Handschin, 1942 (1013) p. 278.
Type species fixed: *M. indica* (Handschin) by Handschin, 1942 (1013) p. 278.

Megachorutes indicus (Handschin) 1929

1929. *Linnaniemia indica* Handschin (1006) p. 231, figs. 1–4; India.
1931. *Ceratrimeria indica* Denis (638) p. 100; India.
1937. *Ceratrimeria indica* Womersley (2187) p. 378; India.
1942. *Megachorutes indicus* Handschin (1013) p. 280; Synonymy.

Megachorutes unidentatus Salmon, 1956

1956. *Megachorutes unidentata* Salmon (1712) p. 14, figs. 22–30; Belgian Congo.

Genus: PSEUDACHORUTES Tullberg, 1871 (2002) p. 155.
= *Brachysius* MacGillivray, 1893 (1342).
= *Gnathocephalus* MacGillivray, 1893 (1342).
= *Sphragiphora* Houlbert, 1924 (1078).
Type species fixed: *P. subcrassus* Tullberg, by MacGillivray, 1893 (1342) p. 317.

Pseudachorutes algidensis Carpenter, 1925

LECTOTYPE: Manchester Mus., England.
1925. *Pseudachorutes algidensis* Carpenter (395) p. 4, figs. 8–14; New Zealand.
1941. *Pseudachorutes algidensis* Salmon (1676) p. 304, figs. 97–99; New Zealand.
1949. *Pseudachorutes algidensis* Stach (1888) p. 91; New Zealand.

Pseudachorutes alluaudi Delamare Deboutteville, 1945

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Pseudachorutes alluaudi* Delamare Deboutteville (538) p. 155, fig. 2; Oriental Africa.
1949. *Pseudachorutes alluaudi* Stach (1888) p. 95; East Africa.
1959. *Ceratrimeria alluaudi* Paclt (2316) p. 33, figs. 1–2; South Africa.

Pseudachorutes anomalus Imms, 1912

TYPE: Indian Mus., Calcutta.
1912. *Pseudachorutes anomalus* Imms (1090) p. 88, Pl. VI, figs. 1–4; India.
1949. *Pseudachorutes anomalus* Stach (1888) p. 96; E. Himalaya.

Pseudachorutes asper Borner, 1906

1906. *Pseudachorutes asper* Borner (243) p. 166; Brazil.

Pseudachorutes aureo-fasciatus (Harvey) 1898

1898. *Gnathocephalus aureo-fasciatus* Harvey (1035) p. 216, figs. 1–3.
1916. *Pseudachorutes aureofasciatus* Folsom (787) p. 500, Pl. 19, figs. 169–173; North America; Ad. descr.
1931. *Pseudachorutes aureofasciatus* Denis (638) p. 93; Maine.
1934. *Pseudachorutes aureofasciatus* Mills (1417) p. 23; Iowa.
1949. *Pseudachorutes aureofasciatus* Stach (1888) p. 95; Maine, U.S.A.
1950. *Pseudachorutes aureofasciatus* Wray (2202) p. 6; North Carolina.
1951. *Pseudachorutes aureofasciatus* Maynard (1393) p. 57, Pl. VI, figs. 104, 105; New York.
1959. *Pseudachorutes aureofasciatus* Wilkey (2350) p. 222; California.
1960. *Pseudachorutes aureofasciatus* Bellinger (2411) p. 256; Physiology.

Pseudachorutes aureofasciatus millsi Maynard, 1951

1951. *Pseudachorutes aureofasciatus millsi* Maynard (1393), p. 58, Pl. VI, figs. 106–108; New York.

Pseudachorutes boerneri Schött, 1902

TYPE: Swed. Nat. Hist. Mus., Stockholm, Sweden.
1902. *Pseudachorutes boerneri* Schött (1772) p. 14, Pl. III, figs. 1–5; Nth. Scandinavia.
1906. *Pseudachorutes börneri* Wahlgren (2080) p. 245; Sweden.
1934. *Pseudachorutes corticicolus* Mills (1417) p. 1–; Iowa.
1943. *Pseudachorutes forsslundi* Agrell (47) p. 130, fig. 1; Sweden.
1944. *Pseudachorutes corticicola globulisetosa* Gisin (855) p. 12, fig. 7; Switzerland.
1949. *Pseudachorutes boerneri* Stach (1888) p. 115, Pl. XV, revised descr.; Poland; North America.
1955. *Pseudachorutes börneri* Stach (1893) p. 69, figs. 152–154; Poland; Sweden; Switzerland.
1958. *Pseudachorutes börneri* von Torne (1993) p. 661; Austria.
1960. *Pseudachorutes boerneri* Gisin (2271) p. 83; Europe.

Pseudachorutes brunneus Carpenter, 1925

LECTOTYPE: Manchester Mus., England.
1925. *Pseudachorutes brunneus* Carpenter (395) p. 2, figs. 1–7; New Zealand.
1941. *Pseudachorutes brunneus* Salmon (1676) p. 304, figs. 100–103; New Zealand.
1949. *Pseudachorutes brunneus* Stach (1887) p. 92; New Zealand.

Pseudochorutes caerulescens Schött, 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Pseudachorutes caerulescens* Schött (1764) p. 24, Pl. VII, figs. 7–10; Cameroons.
1901. *Pseudachorutes caerulescens* Borner (234) p. 35; Central Europe.
1926. *Pseudachorutes caerulescens* Schött (1779), p. 6, Pl. I, figs. 1–8; Cameroons; Diagnosis.
1945. *Pseudachorutes caerulescens* Marlier (1377) p. 253; Belgian Congo.

Pseudachorutes complexus (MacGillivray) 1893

1893. *Gnathocephalus complexus* MacGillivray (1342) p. 318; North America.
1901. *Pseudachorutes complexus* Borner (234) p. 35; Central Europe.
1916. *Pseudachorutes complexus* Folsom (787) p. 501, Pl. 20, figs. 174–180; Nth. America; Ad. descr.
1928. *Pseudachorutes complexus* Handschin (1002) p. 537; Mexico.
1933. *Pseudachorutes complexus* Mills & Rolfs (1431) p. 78; Washington.
1946. *Pseudachorutes complexus* Pearse (1575) p. 139; Ecology.
1949. *Pseudachorutes complexus* Stach (1888) p. 96; Washington, U.S.A.
1951. *Pseudachorutes complexus* Maynard (1393) p. 59, Pl. VII, 114, 115; New York.

Pseudachorutes conspicuatus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Pseudachorutes conspicuatus* Salmon (1683) p. 137, Pl. 53, fig. 1; Pl. 57, figs. 55–59; New Zealand.
1949. *Pseudachorutes conspicuatus* Stach (1888) p. 89; New Zealand.
1954. *Pseudachorutes conspicuatus* Salmon (1697) p. 24, figs. 1–3; New Zealand.

Pseudachorutes conspicuatus flavus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Pseudachorutes conspicuatus flavus* Salmon (1683) p. 139, Pl. 53, fig. 4; New Zealand.

Pseudachorutes conspicuatus lineatus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Pseudachorutes conspicuatus lineatus* Salmon (1683) p. 138, Pl. 53, fig. 2; Pl. 57, fig. 60; New Zealand.

Pseudachorutes conspicuatus maximus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Pseudachorutes conspicuatus maximus* Salmon (1683) p. 138; Pl. 53, fig. 3; New Zealand.

Pseudachorutes corticicolus (Schaeffer) 1897

1897. *Schöttella corticicola* Schaeffer (1735) p. 176, figs. 34, 62; Germany.
1898. *Pseudachorutes corticicola* Krausbauer (1203) p. 504; Germany.
1900. *Pseudachorutes corticicola* Schäffer (1739) p. 253; Germany.
1901. *Pseudachorutes corticicola* Borner (234) p. 35; Central Europe.
1901. *Pseudachorutes corticicola* Krausbauer (1204) p. 93; Germany.
1902. *Pseudachorutes boerneri* Schött (1772) p. 1–; Europe.
1907. *Pseudachorutes corticicola* Axelson (83) p. 128; Finland.
1911. *Pseudachorutes corticola* Axelson (1291) p. 8; Norway.
1911. *Pseudachorutes corticicolus* Shoebotham (1819) p. 33; England.
1912. *Pseudachorutes corticicola* Axelson (1292) p. 60, Pl. V, figs. 32–35; Pl. VI, figs. 1–5, fig. 36; Finland.
1923. *Pseudachorutes corticicolus* Brown (302) p. 262; England.
1924. *Pseudachorutes* (*Sphragiphora*) *corticicola* Houlbert (1078) p. 67; Europe; England; Germany.
1929. *Pseudachorutes corticicola* Handschin (1009) p. 34; Germany; Middle Europe.
1929. *Pseudachorutes corticicola* Stach (1868) p. 363; Diagnosis.
1930. *Pseudachorutes corticola* Stach (1869) p. 282; Europe.

1931. *Pseudachorutes boerneri* Denis (638) p. 92; Scandinavia; Germany; England.
1934. *Pseudachorutes corticicola* Agrell (37) p. 219; Ecology; Sweden.
1934. *Pseudachorutes corticolus* Mills (1417) p. 22, figs. 47–50; Iowa.
1937. *Pseudachorutes corticicola* Kseneman (1217) p. 466; Carpathians.
1938. *Pseudachorutes corticicola* Kseneman (1220) p. 10; Europe.
1941. *Pseudachorutes corticicolus* Agrell (46) p. 19; Swedish Lapland.
1943. *Pseudachorutes corticicola* Agrell (47) p. 124; Sweden.
1946. *Pseudachorutes corticolus* Pearse (1575) p. 139; Ecology.
1948. *Pseudochorutes corticicola* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Pseudachorutes corticicolus* Stach (1888) p. 111, Pl. XIV, figs. 8–17; revised descr.; Poland; Styria.
1951. *Pseudachorutes corticicola* Praport (1610) p. 146; Poland.
1954. *Pseudachorutes corticicolus* Bellinger (174) p. 19; Connecticut.
1955. *Pseudachorutes corticicolus* Stach (1893) p. 69, figs., 148–151; Poland.
1957. *Pseudachorutes corticicolus* Pschorn-Walcher & Gunhold (2322) p. 347; Ecology.
1958. *Pseudachorutes corticicolus* Murphy (1476) p. 524; Algeria.
1959. *Pseudachorutes corticicolus* Stach (1896) p. 12–; Poland; Scandinavia; Europe.
1959. *Pseudachorutes corticola* Wilkey (2350) p. 222; California.
1960. *Pseudachorutes corticola* Gisin (2271) p. 83; Europe.
1960. *P. (pseudachorutes) corticicola* Grindbergs (2373) p. 30; U.S.S.R.

Pseudachorutes corticicolus globulisetosus Gisin, 1943

TYPE: Mus. Hist. Natur., Geneva.
1943. *Pseudachorutes corticicola globulisetosa* Gisin (853) p. 149; Switzerland.
1944. *Pseudachorutes corticicola globulisetosa* Gisin (855) p. 12, fig. 7; Switzerland.

Pseudachorutes dahli (Schäffer) 1898

1898. *Schoetella dahli* Schäffer (1737) p. 400, figs. 1–3, 40–41; Bismark Archipelago.
1901. *Pseudachorutes dahli* Börner (234) p. 36; Central Europe.
1931. *Schötella dahli* Denis (638) p. 94; Bismarck Archipelago.
1937. *Pseudachorutes dahlii* Womersley (2184) p. 205; Dutch New Guinea.
1938. *Pseudachorutes dahlii* Handschin (1011) p. 139; Bismark Archipelago.
1949. *Pseudachorutes dahlii* Stach (1888) p. 95; Bismark Archipelago.

Pseudachorutes difficilis Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Pseudachorutes difficilis* Denis (638) p. 88, figs. 46–48; Costa Rica.
1949. *Pseudachorutes difficilis* Stach (1888) p. 92; Costa Rica.

Pseudachorutes dilatatus (MacGillivray) 1893

1893. *Brachysius dilatatus* MacGillivray (1342) p. 317; North America.
1951. *Pseudachorutes dilatatus* Maynard (1393) p. 58; New York.

Pseudachorutes dubius Krausbauer, 1898

1896. *Schottella poppei* Schäffer (1735) p. 175, figs. 36, 61–64; *ad partem.*
1898. *Pseudachorutes dubius* Krausbauer (1203) p. 504; Europe.
1901. *Pseudachorutes dubius* Börner (234) p. 37; Central Europe.
1901. *Pseudachorutes dubius* Krausbauer (1204) p. 94, figs. 93–96, Pl. II, fig. 95; Germany.
1904. *Pseudachorutes lapponicus* Ågren (56) p. 1–; Lapland.
1905. *Pseudachorutes dubius* Becker (160) p. 90, figs. 16, 17; Moscow.
1907. *Pseudachorutes dubius* Axelson (83) p. 128; Finland.
1912. *Pseudachorutes dubius* Axelson (1292) p. 62, Pl. V, figs. 28–31; Finland.
1912. *Pseudachorutes dubius* Dahl (496) p. 427; Ecology.
1929. *Pseudachorutes dubius* Handschin (1008) p. 35; Germany; North Europe.
1929. *Pseudachorutes dubius* Stach (1869) p. 363, Synonymy; p. 281; Germany; Poland; Finland; Russia.
1931. *Pseudachorutes dubius* Denis (638) p. 94; Europe.
1935. *Pseudachorutes dubius* Schubert (1791) p. 107–; Germany.
1936. *Pseudachorutes dubius* Tarsia in Curia (1951) p. 20; Italy.
1937. *Pseudachorutes dubius* Frenzel (828) p. 296; Ecology.
1938. *Pseudachorutes dubius* Denis (665) p. 124; Italy.
1939. *Pseudachorutes dubius* Bagnall (120) p. 191; Britain.
1941. *Pseudachorutes dubius* Agrell (46) p. 19; Swedish Lapland.
1943. *Pseudachorutes dubius* Agrell (47) p. 124; Sweden.
1943. *Pseudachorutes dubius* Gisin (853) p. 149; Switzerland.
1945. *Pseudachorutes dubius* Agrell (50) p. 10; Sweden; Habitats.
1949. *Pseudachorutes dubius* Bagnall (130) p. 55; Britain.
1949. *Pseudachorutes dubius* Stach (1888) p. 101, Pl. XII and XIII, figs. 1–5; Poland; Revised descr.; Distribution.
1949. *Pseudachorutes dubius* Strenzke (1922) p. 206; Germany; Ecology.
1951. *Pseudachorutes dubius* Stach (1889) p. 13, fig. 6-C-I
1955. *Pseudachorutes dubius* Gridelli (938) p. 41; Venice.
1955. *Pseudachorutes dubius* Stach (1893) p. 67, figs. 146, 147; Europe.
1957. *Pseudachorutes dubius* Gisin (900) p. 477; Europe.
1958. *Pseudachorutes dubius* Grindbergs (2277) p. 193; Latvia.
1958. *Pseudachorutes dubius* Nosek (1503) p. 357–; Czechoslovakia.
1958. *Pseudachorutes dubius* von Torne (1993) p. 661; Austria.
1959. *Pseudachorutes dubius* Stach (1896) p. 12–; Poland; Crimea; Carpathians.
1960. *Pseudachorutes dubius* Gisin (2271) p. 85, figs. 172, 173; Europe.
1960. *P. (Pseudachorutes) dubius* Grindbergs (2373) p. 30; U.S.S.R.

Pseudachorutes esakii Kinoshita, 1932

1932. *Pseudachorutes esakii* Kinoshita (1178) p. 2117, and figs; Japan.
1938. *Pseudachorutes esakii* Uchida (2015) p. 7; Japan.
1950. *Pseudachorutes esakii* Kinoshita & Uchida (1179) p. 10 and fig; Japan.
1952. *Pseudachorutes esakii* Uchida (2027) p. 31; Japan.
1954. *Pseudachorutes esakii* Uchida (2030) p. 3; Japan.
1956. *Pseudachorutes esakii* Uchida (2036) p. 28; Japan.

Pseudachorutes falteronensis Denis, 1926

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1926. *Pseudachorutes falteronensis* Denis (626) p. 11; Italy.
1927. *Pseudachorutes falteronensis* Denis (629) p. 185, figs. 26–33; Italy.
1943. *Pseudachorutes falteronensis* Gisin (853) p. 148; Switzerland.
1948. *Pseudachorutes falteronensis* Gisin (859) p. 80; Switzerland. V
1949. *Pseudachorudina falteronensis* Stach (1888) p. 71; Italy; Styria.
1960. *Pseudachorutes falteronensis* Gisin (2271) p. 85, fig. 175; Italy.

Pseudachorutes forsslundi Agrell, 1943

1943. *Pseudachorutes forsslundi* Agrell (47) p. 130, fig. 1; Sweden.
1943. *Pseudachorutes corticicola globulisetosa* Gisin (853) p. 149; Switzerland.
1944. *Pseudachorutes corticicola globulisetosa* Gisin (855) p. 12, fig. 7; Switzerland.
1946. *Pseudachorutes forsslundi* Gisin (857) p. 217; Switzerland; Synonymy.

Pseudachorutes handschini Denis, 1924

1924. *Pseudachorutes handschini* Denis (616) p. 221, figs. 31–34; Ethiopia.
1929. *Pseudachorutes handschini* Handschin (1007) p. 17; Abyssinia.
1931. *Pseudachorutes handschini* Denis (638) p. 93; Ethiopia.
1934. *Pseudachorutes handschini* Womersley (2177) p. 468; Abyssinia.
1942. *Aethiopella handschini* Handschin (1013) p. 280; Synonymy.
1959. *Aethiopella handschini* Paclt (2316) p. 36; South Africa.

Pseudachorutes incertus Schött, 1917

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1917. *Pseudachorutes incertus* Schött (1774) p. 3, figs. 1–3; Nth. Queensland.
1939. *Pseudachorutes incertus* Womersley (2190) p. 108, fig. 45, E-G; North Queensland.

Pseudachorutes innominatus Denis, 1931

1912. *Pseudachorutes niloticus* Börner (248) p. 283 and figs; Central Africa.
1931. *Pseudachorutes innominatus* Denis (638) p. 94; Central Africa; nom. nov.
1949. *Pseudachorutes innominatus* Stach (1888) p. 94; Central Africa.

Pseudachorutes japonicus Kinoshita, 1916

1916. *Pseudachorutes japonicus* Kinoshita (1172) p. 456; Japan.
1938. *Pseudachorutes japonicus* Uchida (2015) p. 7; Japan.
1954. *Pseudachorutes japonicus* Yosii (2231) p. 787, fig. 7; Add. descr.
1956. *Pseudachorutes japonicus* Uchida (2036) p. 28; Japan.

Pseudachorutes javanicus Handschin, 1920

1920. *Pseudachorutes javanicus* Handschin (978) p. 138, figs. 4–8; Java.
1925. *Pseudachorutes javanus* Handschin (985) p. 266; Java.
1928. *Pseudachorutes javanicus* Handschin (1001) p. 265; Java.
1949. *Pseudachorutes javanicus* Stach (1888) p. 90; Java.

Pseudachorutes lapponicus Ågren, 1904

1904. *Pseudachorutes lapponicus* Ågren (56) p. 8, fig. 8; Sweden.
1906. *Pseudachorutes lapponicus* Wahlgren (2080) p. 245; Sweden.
1919. *Pseudachorutes lapponicus* Wahlgren (2089) p. 750; Sweden.

Pseudachorutes longisetus Yosii, 1961

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1961. *Pseudachorutes longisetus* Yosii (2570) p. 9, figs. 8, 9; Japan.

Pseudachorutes lunatus Folsom, 1916

TYPE: Nat. Colln. Insects, Ottawa, Canada.
1916. *Pseudachorutes lunatus* Folsom (787) p. 501, Pl. 20, figs. 181–186; Illinois.
1933. *Pseudachorutes lunatus* James (1124) p. 91; Canada.
1934. *Pseudachorutes lunatus* Mills (1417) p. 23; Iowa, U.S.A.; Ontario.
1946. *Pseudachorutes lunatus* Pearse (1575) p. 139; Ecology.
1949. *Pseudachorutes lunatus* Stach (1888) p. 94; Illinois, Iowa, U.S.A.
1959. *Pseudachorutes lunatus* Wilkey (2350) p. 222; California.

Pseudachorutes niloticus Wahlgren, 1909

1909. *Pseudachorutes niloticus* Wahlgren (2081) p. 3, figs. 1–4; Egypt, Sudan.
1912. *Pseudachorutes niloticus* Börner (248) p. 283, figs. 1–3; Central Africa; cf. *P. innominatus.*
1926. *Pseudachorutes niloticus* Philiptschenko (1592) p. 181; Br. East Africa.
1929. *Pseudachorutes niloticus* Handschin (1007) p. 27; Egypt; Sudan; East Africa.
1934. *Pseudachorutes niloticus* Womersley (2177) p. 468; Brit. East Africa; Sudan; Egypt.
1944. *Pseudachorutes niloticus* Marlier (1376) p. 8, fig. 3; Belgian Congo.
1945. *Pseudachorutes niloticus* Delamare Deboutteville (538) p. 153, fig. 1 A-E; East Africa.
1949. *Pseudachorutes niloticus* Stach (1888) p. 93; East Africa.

Pseudachorutes pachirostris Becker, 1948

1948. *Pseudachorutes pachirostris* Becker (167) p. 64; U.S.S.R.
1960. *Pseudachorutes pachirostris* Grindbergs (2373) p. 64; U.S.S.R.

Pseudachorutes pacificus Womersley, 1936

TYPE: Sth. Austr. Mus., Adelaide.
1936. *Pseudachorutes pacificus* Womersley (2183) p. 318, fig. 1, d-h; New Zealand.
1941. *Pseudachorutes pacificus* Salmon (1676) p. 304, figs. 94–96; New Zealand.
1949. *Pseudachorutes pacificus* Stach (1888) p. 89; New Zealand.

Pseudachorutes parvulus Börner, 1901

1901. *Pseudachorutes parvulus* Börner (229) p. 701, fig. 5; Germany.

1905. *Pseudachorutes parvulus* Axelson (82) p. 8; Reval; Russia.
1907. *Pseudachorutes parvulus* Axelson (83) p. 128; Finland.
1912. *Pseudachorutes parvulus* Axelson (1292) p. 64, Pl. VI, figs. 6–11; Finland.
1929. *Pseudachorutes parvulus* Handschin (1009) p. 34; Germany; Baltics.
1934. *Pseudachorutes parvulus 6 setosa* Denis (648) p. 324; France.
1939. *Pseudachorutes parvulus* Agrell (44) p. 160; Sweden; Baltics; Germany.
1939. *Pseudachorutes parvulus* Bagnall (120) p. 191; Britain.
1943. *Pseudachorutes parvulus* Agrell (47) p. 124; Sweden.
1944. *Pseudachorutes parvulus* Gisin (855) p. 12; Switzerland.
1945. *Pseudachorutes parvulus* Agrell (50) p. 10; Sweden; Habitats.
1949. *Pseudachorutes parvulus* Stach (1888) p. 91; Germany; England; Sweden; France; Switzerland.
1949. *Pseudachorutes parvulus* Strenzke (1922) p. 206; Germany; Ecology.
1955. *Pseudachorutes parvulus* Stach (1893) p. 69; Poland; England; Switzerland; France; Sweden.
1955. *Pseudachorutes parvulus* Cassagnau (422) p. 153; France; Spain; Holarctic.
1956. *Pseudachorutes parvulus* Bockemuhl (193) p. 132; Spitzbergen.
1957. *Pseudachorutes parvulus* Gisin (898) p. 110–; Switzerland.
1958. *Pseudachorutes parvulus* Holler-Land (2283) p. 110; Egology.
1958. *Pseudachorutes parvulus* von Torne (1993) p. 661; Austria.
1959. *Pseudachorutes parvulus* Haybach (2375), Tab. VIII; Ecology.
1959. *Pseudachorutes parvulus* Muller (2309) p. 249; Ecology.
1960. *Pseudachorutes parvulus* Gisin (2271) p. 84, figs. 18, 170; Europe.
1960. *Pseudachorutes parvulus* Grindbergs (2373) p. 30: U.S.S.R.

Pseudachorutes parvulus infuscatus Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Pseudachorutes parvulus infuscata* Yosii (2231) p. 787, fig. 8; Japan.

Pseudachorutes parvulus sexsetosus Denis, 1934

1934. *Pseudachorutes parvulus 6-setosa* Denis (648) p. 324; France.
1943. *Pseudachorutes parvulus 6-setosa* Gisin (853) p. 149; Switzerland.
1950. *Pseudachorutes parvulus 6-setosa* Delamare Deboutteville (568) p. 42; France.
1950. *Pseudachorutes parvulus 6-setosa* Delamare Deboutteville (570) p. 238; France.

***Pseudachorutes pauliani** Delamare Deboutteville, 1947

TYPE: Auth. Pers. Colln., Univ. Nancy, France.
1947. *Pseudachorutes pauliani* Delamare Deboutteville (547) p. 453; Ivory Coast.
1952. *Pseudachorutes pauliani* Delamare Deboutteville (2267) p. 63, figs. 5–12, 17; Ivory Coast.

Pseudachorutes pescotti Womersley, 1942

SYNTYPES: Sth. Austr. Mus., Adelaide.
1942. *Pseudachorutes pescotti* Womersley (2193) p. 23, fig. I, A-F; Australia.
1949. *Pseudachorutes pescotti* Stach (1888) p. 89; Australia.

Pseudachorutes puniceus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Pseudachorutes puniceus* Salmon (1683) p. 139, Pl. 57, figs. 61–64; New Zealand.
1949. *Pseudachorutes puniceus* Stach (1888) p. 93; New Zealand.

Pseudachorutes quinqueoculatus Denis, 1931

1931. *Pseudachorutes 5-oculatus* Denis (638) p. 89, figs. 49–59; Costa Rica.

Pseudachorutes rhaeticus (Carl), 1899

1899. *Schötella rhätica* Carl (352) p. 298, figs. 20–24; Switzerland.
1924. *Pseudachorutes rhaeticus* Handschin (981) p. 96, figs. 40–43; Switzerland; Diagnosis.
1929. *Pseudachorutes rhaeticus* Handschin (1009) p. 34, figs. 44–46; Germany and Middle Europe.
1929. *Schötella rhaetica* Stach (1869) p. 364; Synonymy.
1931. *Pseudachorutes rhäticus* Denis (638) p. 94; Switzerland.
1933. *Pseudachorutes rhaeticus* Womersley (2176) p. 57, fig. 3 i-j; Australia.
1936. *Pseudachorutes rhaeticus* Tarsia in Curia (1951) p. 20; Italy.
1939. *Pseudachorutes rhaeticus* Womersley (2190) p. 109, fig. 45 A-D; Australia.
1949. *Pseudachorutes rhaeticus* Stach (1888) p. 94; Swiss Alps; Italy; Australia.

Pseudachorutes rugatus Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.

Pseudachorutes saxatilis MacNamara, 1920

1920. *Pseudachorutes saxatilis* MacNamara (1361) p. 174, Pl. V, figs. 1–8; Canada.
1933. *Pseudachorutes saxatilis* James (1124) p. 91; Canada.
1934. *Pseudachorutes saxatilis* Mills (1417) p. 24, figs. 51–55; Iowa.
1946. *Pseudachorutes saxatilis* Pearse (1575) p. 139; Ecology.
1949. *Pseudachorutes saxatilis* Stach (1888) p. 97; Iowa, U.S.A.; Canada.
1950. *Pseudachorutes saxatilis* Wray (2202) p. 6; North Carolina.
1952. *Pseudachorutes rugatus* Wray (2204) p. 99, figs. 24–25; Illinois.
1959. *Pseudachorutes saxatilis* Wilkey (2350) p. 222; California.

Pseudachorutes silvaticus Ågren, 1903

TYPE: Zool. Inst., University Land, Sweden.
1903. *Pseudachorutes silvaticus* Agren (54) p. 127; Sweden.
1906. *Pseudachorutes silvaticus* Wahlgren (2080) p. 245; Sweden.

Pseudachorutes simplex Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Pseudachorutes simplex* Maynard (1393) p. 59, Pl. VII, figs. 109–113; New York.

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* Publication of this specific name as a new species in 1947 without any description renders the name invalid under the International Rules of Zoological Nomenclature, Article 13.

Pseudachorutes subabdominalis Steiner, 1958

1958. *Pseudachorutes subabdominalis* Steiner (2342) p. 76, fig. 5; Spain.
1960. *Pseudachorutes subabdominalis* Gisin (2271) p. 85; Spain.

Pseudachorutes subcrassoides Mills, 1934

1934. *Pseudachorutes subcrassoides* Mills (1417) p. 24, figs. 56, 57; Iowa.
1949. *Pseudachorutes subcrassoides* Stach (1888) p. 92; Iowa, U.S.A.
1954. *Pseudachorutes subcrassoides* Bellinger (174) p. 19; Connecticut.
1956. *Pseudachorutes subcrassoides* Wray & Knowlton (2215) p. 7; Utah.
1959. *Pseudachorutes subcrassoides* Wilkey (2350) p. 222; California.

Pseudachorutes subcrassus Tullberg, 1871

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1871. *Pseudachorutes subcrassus* Tullberg (2002) p. 155; Sweden.
1872. *Pseudachorutes subcrassus* Tullberg (2003) p. 57, Pl. XII, figs. 11, 12; Sweden.
1893. *Pseudachorutes subcrassus* Schott (1765) p. 93; Sweden; Finland.
1895. *Pseudachorutes subcrassus* Reuter (1643) p. 33; Finland; Sweden.
1898. *Pseudachorutes subcrassus* Scherbakow (1750) p. 58; Kiev, Russia.
1898. *Pseudachorutes subcrassus* Scherbakow (1751) p. 5; Kiev.
1901. *Pseudachorutes subcrassus* Krausbauer (1204) p. 93, figs. 91-92; Germany.
1902. *Pseudachorutes tuberculatus* Schott (1772) p. 13, Pl. III, fig. 6; North Scandinavia.
1905. *Pseudachorutes subcrassus* Axelson (81) p. 27; Tvärminne, Finland.
1906. *Pseudachorutes subcrassus* Wahlgren (2080) p. 245; Sweden.
1906. *Pseudachorutes tuberculatus* Wahlgren (2080) p. 245; Sweden.
1907. *Pseudachorutes subcrassus* Axelson (83) p. 128; Finland.
1909. *Pseudachorutes subcrassus* Collinge & Shoebotham (471) p. 87; England.
1910. *Pseudachorutes subcrassus* Collinge & Shoebotham (472) p. 104; England.
1911. *Pseudachorutes subcrassus* Axelson (1291) p. 8; Norway.
1912. *Pseudachorutes subcrassus* Axelson (1292) p. 61, Pl. V, figs. 26, 27; Finland; Ad. descr.
1912. *Pseudachorutes subcrassus* Enderlein (725) p. 126; Tierra del Fuego.
1918. *Pseudachorutes subcrassus* Brown (296) p. 185; England.
1919. *Pseudachorutes subcrassus* Brown (297) p. 64; England.
1922. *Pseudachorutes subcrassus* Latzel (1250) p. 54; Ostalpen & Karstes.
1924. *Pseudachorutes subcrassus* Handschin (981) p. 97; Switzerland.
1924. *Pseudachorutes* (*Sphragiphora*) *subcrassus* Houlbert (1078) p. 68; Germany; England.
1925. *Pseudachorutes subcrassus* Womersley (2148) p. 168; S.W. England.
1926. *Pseudachorutes subcrassus* Brown (307) p. 333; England.
1926. *Pseudachorutes subcrassus* Womersley (2153) p. 218; S.W. England.
1929. *Pseudachorutes subcrassus* Bonet (200) p. 796; Spain; Ad. descr.
1929. *Pseudachorutes subcrassus* Handschin (1008) p. 35; North and Middle Europe.
1933. *Pseudachorutes subcrassus* Turk (2007) p. 93; Britain.
1934. *Pseudachorutes subcrassus* Agrell (37) p. 219; Ecology; Sweden.
1934. *Pseudachorutes subcrassus* Volz (2069) p. 171; Ecology.
1935. *Pseudachorutes subcrassus* Ford (809) p. 198; Ecology.
1937. *Pseudachorutes subcrassus* Ford (811) p. 103–; Ecology.
1937. *Pseudachorutes subcrassus* Kseneman (1217) p. 466; Carpathians.
1938. *Pseudachorutes subcrassus* Ford (812) p. 251; Ecology.
1938. *Pseudachorutes subcrassus* Kseneman (1220) p. 10; Europe.
1941. *Pseudachorutes subcrassus* Agrell (46) p. 19; Swedish Lapland.
1943. *Pseudachorutes subcrassus* Agrell (47) p. 124; Sweden.
1945. *Pseudachorutes subcrassus* Agrell (50) p. 10; Sweden; Habitats.
1949. *Pseudachorutes subcrassus* Stach (1888) p. 107, Pl. XIII 6–9, and Pl. XIV 1–7; Revised descr.; Poland; West Ukraine.
1949. *Pseudachorutes subcrassus* Strenzke (1922) p. 206; Germany; Ecology.
1951. *Pseudachorutes subcrassus* Delamare Debouteville and Cassagnau (593) p. 40; Mid France.
1951. *Pseudachorutes subcrassus* Schaller (1746) p. 483; Ecology.
1953. *Pseudachorutes subcrassus* Hammer (972) p. 24; North Canada.
1955. *Pseudachorutes subcrassus* Cassagnau (422) p. 153; France.
1955. *Pseudachorutes subcrassus* Stach (1893) p. 69, figs. 155–157; Europe.
1958. *Pseudachorutes subcrassus* Grindbergs (2277) p. 193; Latvia.
1958. *Pseudachorutes subcrassus* Nosek (1503) p. 357; Czechoslovakia.
1958. *Pseudachorutes subcrassus* von Torne (1993) p. 661; Austria.
1959. *Pseudachorutes subcrassus* Da Gama (2266) p. 10; Portugal.
1959. *Pseudachorutes subcrassus* Haybach (2375) Tab. VIII; Ecology.
1959. *Pseudachorutes subcrassus* Stach (1896) p. 12; Poland.
1959. *Pseudachorutes subcrassus* Travé (2000) p. 209, fig. 3; France.
1960. *Pseudachorutes subcrassus* Gisin (2271) p. 84, fig. 171; Europe.
1960. *P.* (*Pseudachorutes*) *subcrassus* Grindbergs (2373) p. 30; U.S.S.R.

Pseudachorutes takaoensis Kinoshita, 1916

1916. *Pseudachorutes takaoensis* Kinoshita (1173) p. 495, and figs; Japan.
1938. *Pseudachorutes takaoensis* Uchida (2015) p. 7; Japan.

Pseudachorutes tuberculatus Schött, 1902

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1902. *Pseudachorutes tuberculatus* Schött (1772) p. 13, Pl. III, fig. 6; North Scandinavia.
1906. *Pseudachorutes tuberculatus* Wahlgren (2080) p. 245; Sweden.

Pseudachorutes yasumatsui Uchida, 1940

1940. *Pseudachorutes yasumatsui* Uchida (2017) p. 9; Japan.
1950. *Pseudachorutes yasumatsui* Kinoshita & Uchida (1179) p. 11 and fig.; Japan.
1952. *Pseudachorutes yasumatsui* Uchida (2027) p. 31; Japan; Systematics.
1956. *Pseudachorutes yasumatsui* Uchida (2036) p. 28; Japan.

Genus: TASMANURA Womersley, 1937 (2188) p. 154.
Type species fixed: *T. evansi* Womersley, by monotypy, Stach, 1949 (1888) p. 59.

Tasmanura evansi Womersley, 1937

SYNTYPES: Sth. Austr. Mus., Adelaide.
1937. *Tasmanura evansi* Womersley (2188) p. 154, fig. 1 a-f; Australia.
1939. *Tasmanura evansi* Womersley (2190) p. 107, fig. 44, M-R; Sth. Australia.

Genus: CERATRIMERIA Börner, 1906 (243) p. 167.
= *Schoetella* Schaeffer, 1897 (1735) p. 175.
Type species fixed: *C. maxima* (Schött), by Handschin, 1942 (1013), p. 278.

Ceratrimeria caudata Denis, 1948

1948. *Ceratrimeria caudata* Denis (676) p. 195, fig. 4; Indochina.

Ceratrimeria innominata Denis, 1931

1931. *Ceratrimeria innominata* Denis (638) p. 97, fig. 69–73; Costa Rica.

Ceratrimeria longicornis Handschin, 1926

1926. *Ceratrimeria longicornis* Handschin (993) p. 451, fig. 2; Java.
1928. *Ceratrimeria longicornis* Handschin (1001) p. 265; Java.
1931. *Ceratrimeria longicornis* Denis (638) p. 100; Java.
1937. *Ceratrimeria longicornis* Womersley (2187) p. 378; Java.
1942. *Ceratrimeria longicornis* Handschin (1013) p. 279; Synonymy.

Ceratrimeria maculata Delamare Deboutteville, 1945

1945. *Ceratrimeria maculata* Delamare Deboutteville (538) p. 170, fig. 11; Kilimanjaro.

Ceratrimeria mandibulata Delamare Deboutteville, 1945.

1945. *Ceratrimeria mandibulata* Delamare Deboutteville (538), p. 157, figs. 3, 4; Oriental Africa.

Ceratrimeria marplesi Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Ceratrimeria marplesi* Salmon (1676) p. 301, Pl. 44, figs. 78–80; Pl. 45, fig. 84; New Zealand.
1942. *Ceratrimeria marplesi* Salmon (1677) p. 258, fig. 8; New Zealand.

Ceratrimeria maxima (Schött) 1901

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1901. *Schötella maxima* Schött (1771) p. 318, figs. 1–5; Dutch New Guinea.
1906. *Ceratrimeria maxima* Börner (243) p. 167; Java.
1917. *Ceratrimeria maxima* Schött (1774) p. 5, figs. 4–6; North Queensland.
1925. *Ceratrimeria maxima* Handschin (985) p. 266; Java.
1926. *Ceratrimeria maxima* Handschin (993) p. 449, fig. 1; brief descr.; Java; Sumatra.
1928. *Ceratrimeria maxima* Handschin (1001) p. 265; Sumatra; Java.
1930. *Ceratrimeria maxima* Handschin (1009) p. 42, Pl. I, figs. 1–3; Philippines.
1931. *Ceratrimeria maxima* Denis (638) p. 100; New Guinea; Queensland; Java; Sumatra.
1933. *Ceratrimeria maxima* Womersley (2176) p. 57; Australia.
1937. *Ceratrimeria maxima* Womersley (2187) p. 378; New Guinea; Australia.
1939. *Ceratrimeria maxima* Womersley (2190) p. 117, fig. 47 A-C; Australia.
1942. *Ceratrimeria maxima* Handschin (1013) p. 279; Synonymy.
1949. *Ceratrimeria maxima* Stach (1888) p. 60; Systematics.

Ceratrimeria delamarei nom. nov.

1947. *Ceratrimeria monodi** Delamare Deboutteville (547) p. 453; Ivory Coast.
1952. *Ceratrimeria monodi* Delamare Deboutteville (2267) p. 65, figs. 13–16; Ivory Coast.

Ceratrimeria pulchella Handschin, 1926

1926. *Ceratrimeria pulchella* Handschin (989), p. 235, Pl. 1, figs. 1–6; Philippines.
1931. *Ceratrimeria pulchella* Denis (638) p. 100; Philippines.
1937. *Ceratrimeria pulchella* Womersley (2187) p. 378; Philippines.
1942. *Ceratrimeria pulchella* Handschin (1013) p. 280; Synonymy.

Ceratrimeria wygodzinskyi Arlé, 1943

1943. *Ceratrimeria Wygodzinskyi* Arlé (67) p. 110, figs. 1–3; Brazil.

Genus: CONGONURIDA Salmon, 1956 (1712) p. 12.
Type species fixed: *C. pedifalx* Salmon, 1956 (1712) p. 12.

Congonurida pedifalx Salmon, 1956

TYPE: Musée Royal Congo Belge, Tervuren.
PARATYPE: Author's Pers. Colln., Victoria Univ., Wellington, New Zealand.
1956. *Congonurida pedifalx* Salmon (1712) p. 13, figs. 14–21; Belgian Congo.

Genus: CONGOTRIMERIA Salmon, 1956 (1712) p. 16.
Type species fixed: *C. basilewskyi* Salmon, 1956 (1712) p. 16.

Congotrimeria basilewskyi Salmon, 1956

TYPE: Musée Royal Congo Belge, Tervuren.
PARATYPE: Author's Pers. Colln., Victoria Univ., Wellington, New Zealand.
1956. *Congotrimeria basilewskyi* Salmon (1712) p. 16, figs. 31–39; Belgian Congo.

Genus: AETHIOPELLA Handschin, 1942 (1013) p. 278.
Type species fixed: *A. flavoantennata* (Philiptschencho) by Handschin, 1942 (1013) p. 278.

Aethiopella delamarei Arlé, 1959

TYPE: Musée Nacional, Rio de Janeiro, Brazil.
1959. *Aethiopella delamarei* Arlé (2250) p. 164, figs. 63–73; Brazil.

* As the name of this species was first published without any description this name becomes invalid under Article 13 of the International Rules of Zoological Nomenclature.

Aethiopella flavoantennata (Philiptschenko), 1926

1926. *Pseudachorutes flavoantennatus* Philiptschenko (1592) p. 183, figs. 5–9; Brit. East Africa.
1929. *Pseudachorutes flavoantennatus* Handschin (1007) p. 27; East Africa.
1931. *Pseudachorutes flavoantennatus* Denis (638) p. 94; Brit. East Africa.
1934. *Ceratrimeria flavoantennatus* Womersley (2177) p. 468; Brit. East Africa.
1937. *Ceratrimeria flavoantennatus* Womersley (2187) p. 379; Brit. East Africa.
1942. *Aethiopella flavoantennata* Handschin (1013) p. 280; Synonymy.
1959. *Aethiopella flavoantennata* Paclt (2316) p. 34; South Africa.

Aethiopella flavoantennata capensis (Womersley) 1934

1934. *Ceratrimeria flavoantennatus capensis* Womersley (2177) p. 443, 468; South Africa.
1942. *Aethiopella flavoantennata capensis* Handschin (1013) p. 280; Synonymy.
1959. *Aethiopella flavoantennata capensis* Paclt (2316) p. 34, figs. 3–5; South Africa.

Aethiopella guineensis Handschin, 1942

1942. *Aethiopella guineensis* Handschin (1013) p. 280, fig. 5; Fernando Po Island, off W. Africa.

Aethiopella libanensis Cassagnau and Delamare Deboutteville, 1955

1955. *Aethiopella libanensis* Cassagnau & Delamare Deboutteville (428) p. 372, fig. 4; Lebanon.

Aethiopella mandibulata (Delamare Deboutteville), 1945.

1945. *Ceratrimeria mandibulata* Delamare Deboutteville (538) p. 157, figs. 3 and 4; East Africa.
1956. *Aethiopella mandibulata* Salmon (1712) p. 18, figs. 40–50; Ruanda.

Aethiopella tournieri Delamare Deboutteville, 1950

1950. *Aethiopella Tournieri* Delamare Deboutteville (570) p. 55–, fig. 12; Ivory Coast.
1951. *Aethiopella Tournieri* Delamare Deboutteville (578) p. 282, figs. 11–13; Ivory Coast.

Genus: PSEUDANURIDA Schött, 1901 (1771) p. 320.
= *Pseudachorutides* Becker, 1905 (161) p. 72.
= *Pseudachorutoides* Womersley, 1931 (2190) p. 315.
= *Neachorutes* Womersley, 1933 (2176) p. 61.

Type species fixed: *P. billitonensis* Schött, by Stach, 1949 (1887) p. 257.

Pseudanurida australica Salmon, 1955

TYPE: Author's Pers. Colln., Victoria Univ., Wellington, New Zealand.
1955. *Pseudanurida australica* Salmon (1708) p. 131, figs. 1–11; Monte Bello Is.

Pseudanurida billitonensis Schött, 1901

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1901. *Pseudanurida billitonensis* Schött (1771) p. 320, figs. 11–20; New Guinea.
1925. *Pseudanurida billitonensis* Handschin (985) p. 267; Billiton Archipelago.
1928. *Pseudanurida billitonensis* Handschin (1001) p. 265; Billiton Archipelago.
1933. *Neachorutes glauerti* Womersley (2176) p. 61, fig. 6 a-i; Australia. Cf. Stach (1887) p. 257.

SYNTYPES: South Austral. Mus., Adelaide.
1934. *Pseudanurida billitonensis* Womersley (2180) p. 246; Australia.
1949. *Pseudonurida billitonensis* Stach (1887) p. 257; Synonymy. Systematics.
1951. *Pseudanurida billitonensis* Womersley (2190) p. 105, Pl. 2, figs. 5, 6, 44 G-L; South Australia.
1955. *Pseudanurida billitonensis* Yosii (2233) p. 380, figs. 1 A-M; Tokara Is.
1957. *Pseudanurida billitonensis* Ueno (2046) p. 286; Japan.

Pseudanurida bogoyawlensky (Becker) 1905

1905. *Pseudachorutides bogoyawlensky* Becker (161) p. 72, figs. 1-4; Bear I.
1960. *Pseudanurida bogoyawlensky* Gisin (2271) p. 69; Bear I.

Pseudanurida clysmae (Jackson) 1927

TYPE: Brit. Mus. Nat. Hist., London.
1927. *Pseudachorutides clysmae* Jackson (1119) p. 289; Suez Canal Zone.
1960. *Pseudanurida clysmae* Gisin (2271) p. 69; Suez.

Pseudanurida dollfusi (Denis) 1938

1938. *Pseudachorutoides dollfusi* Denis (666) p. 239, figs. 1–12; Sinafir I.; N.E. Red Sea.
1960. *Pseudanurida dollfusi* Gisin (2271) p. 69; Sinai Region.

Genus: LINNANIEMIA Philiptschenko, 1926 (1592) p. 185.

Type species fixed: *L. gigas* (Philiptschenko) by Stach, 1949 (1888) p. 55 by monotype.

Linnaniemia gigas Philiptschenko, 1926

1926. *Linnaniemia gigas* Philiptschenko (1592) p. 186, figs. 10–16; East Africa.
1929. *Linnaniemia gigas* Handschin (1007) p. 27; East Africa.
1942. *Linnaniemia gigas* Handschin (1013) p. 282; Synonymy.
1945. *Ceratrimeria gigas* Delamare Deboutteville (538) p. 160, fig. 5; Oriental Africa.
1949. *Linnaniemia gigas* Stach (1888) p. 55; Systematics.

Genus: ANURITELSA Womersley, 1939 (2190) p. 315.

Type species fixed: *A. maritima* Womersley, 1939 (2190) p. 316.

Anuritelsa maritima Womersley, 1939

1939. *Anuritelsa maritima* Womersley (2190) p. 316, fig. 83 A-J; Rat I., Queensland.

Genus: ARLESIELLA Delamare Deboutteville, 1951 (578) p. 285.

Type species fixed: *A. saprophila* Delamare Deboutteville, 1951 (578) p. 285.

Arlesiella monodi Del. Deb., 1956

1950. *Arlesiella Monodi* Delamare Deboutteville (570) p. 74, fig. 50; Ivory Coast.
1956. *Arlesiella monodi* Paclt (1541) p. 79, fig. 107; Biology.

Arlesiella saprophila Delamare Deboutteville, 1950

SYNTYPES: Brit. Mus. Nat. Hist., London.
1950. *Arlesiella saprophila* Delamare Deboutteville (570) p. 52, fig. 11; Ivory Coast.
1951. *Arlesiella saprophila* Delamare Deboutteville (578) p. 285, figs. 17–19; Ivory Coast.

Genus: PSEUDACHORUTELLA Stach, 1949 (1888) p. 55.
Type species fixed: *P. asigillata* (Börner) by Stach, 1949 (1888) p. 55.

Pseudachorutella asigillata (Börner) 1901

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1901. *Pseudachorutes asigillatus* Börner (234) p. 36; Germany.
1904. *Pseudachorutes sylvaticus* Ågren (54) p. 127; Sweden.
1906. *Pseudachorutes sylvaticus* Walgren (2080) p. 245; Sweden.
1907. *Pseudachorutes asigillatus* Axelson (83) p. 128; Finland.
1907. *Pseudachorutes asigillatus* Axelson (84) p. 16; Nth. Finland.
1910. *Pseudachorutes asigillatus* Collinge & Shoebotham (472) p. 105, fig. 3; Hertfordshire.
1912. *Pseudachorutes asigillatus* Axelson (1292) p. 63, Pl. VI, figs. 12–18; Finland.
1914. *Pseudachorutes asigillatus* Caroli (362) p. 6; Libya; Ad. descr.
1919. *Pseudachorutes asigillatus* Brown (297) p. 64; England.
1921. *Pseudachorutes silvaticus* Brown (301) p. 143; Isle of Wight.
1923. *Pseudachorutes asigillatus* Brown (302) p. 261; England.
1923. *Pseudachorutes asigillatus* Womersley (2147) p. 31; S.W. England.
1924. *Pseudachorutes asigillatus* Handschin (981) p. 97; Switzerland.
1924. *Pseudachorutes asigillatus* Houlbert (1078) p. 68; Germany and England.
1926. *Pseudachorutes asigillatus* Brown (307) p. 333; England.
1929. *Pseudachorutes asigillatus* Handschin (1008) p. 35; North and Mid Europe.
1930. *Pseudachorutes asigillatus* Stach (1869) p. 281; Europe.
1930. *Pseudachorutes asigillatus* Womersley (2168) p. 170; Ireland.
1931. *Pseudachorutes asigillatus* Denis (638) p. 91; Europe.
1931. *Pseudachorutes asigillatus* Denis (639), p. 206; Germany.
1933. *Pseudachorutes asigillatus* Turk (2007) p. 93; Britain.
1934. *Pseudachorutes asigillatus* Womersley (2177) p. 468; Europe; Libya.
1938. *Pseudachorutes asigillatus* Kseneman (1220) p. 10; Europe.
1941. *Pseudachorutes asigillatus* Agrell (46) p. 19; Swedish Lapland.
1943. *Pseudachorutes asigillatus* Agrell (47) p. 124; Sweden.
1943. *Pseudachorutes asigillatus* Gisin (853) p. 148; Switzerland.
1949. *Pseudachorutella asigillata* Stach (1888) p. 81, Pl. XI; Poland; Yugoslavia; W. Ukraine; Styria.
1949. *Pseudachorutes asigillatus* Strenzke (1922) p. 206; Germany; Ecology.
1955. *Pseudachorutella asigillata* Cassagnau (422) p. 154; Spain.
1955. *Pseudachorutes asigillatus* Goto (921) p. 267; Britain.
1955. *Pseudachorutella asigillata* Stach (1893) p. 69; Europe.
1956. *Pseudachorutes asigillatus* Bockemuhl (193) p. 132; Spitzbergen.
1958. *Pseudachorutella assigilata* Kholova (1169) p. 234; Bohemia.
1958. *Pseudachorutes asigillatus* von Torne (1993) p. 661; Austria.
1959. *Pseudachorutella asigillata* Stach (1896) p. 11; Poland; Scandinavia; Italy, Yugoslavia; European Alps.
1960. *Pseudachorutes asigillatus* Gisin (2271) p. 83; Europe.
1960. *P. (Pseudachorutella) asigillatus* Grindbergs (2373) p. 29; U.S.S.R.

Pseudachorutella clavata (Börner) 1901

TYPE: Deutsch. Entom. Inst., Berlin.
1901. *Pseudachorutes clavatus* Börner (234) p. 36, fig. 14; Central Europe.
1949. *Pseudachorutes clavatus* Bagnall (130) p. 55; Britain; Systematics.
1949. *Pseudachorutella clavata* Stach (1888) p. 80; Germany.
1960. *Pseudachorutes clavatus* Gisin (2271) p. 82; Europe.

Genus: STACHIA Folsom, 1932 (801) p. 55.
Type species fixed: *S. minuta* Folsom, 1932 (801) p. 55; monotype.

Stachia minuta Folsom, 1932

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Stachia minuta* Folsom (801) p. 55, Pl. 2, figs. 21–26; Pl. 3, figs. 27–30; Hawaii.
1938. *Stachia minuta* Handschin (1011) p. 139; Hawaiian Is.
1948. *Stachia minuta* Zimmerman (2237) p. 49, fig. 14 a-j; Hawaii.

Genus: KENYURA Salmon, 1954 (1698) p. 5.
= *Paranurella* Arlé, 1959 (2250) p. 162.
Type species fixed: *K. multisensa* Salmon, 1954 (1698) p. 5.

Kenyura furculata Salmon, 1956

TYPE: Musée Congo Belg., Tervuren.
PARATYPES: Auth. Pers. Colln., Victoria Univ., Wellington, New Zealand.
1956. *Kenyura furculata* Salmon (1712) p. 10, figs. 1–6; Belgian Congo.

Kenyura infima (Arlé) 1959

TYPE: Mus. Nacional, Rio de Janeiro, Brazil.
1959. *Paranurella infima* Arlé (2250) p. 163, figs. 44–45; Brazil.

Kenyura multisensa Salmon, 1954

TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Pers. Colln., Victoria Univ., Wellington, New Zealand.
1954. *Kenyura multisensa* Salmon (1698) p. 5, figs. 20–24; East Africa.

Kenyura porcula (Arlé) 1959

TYPE: Mus. Nacional, Rio de Janeiro, Brazil.
1959. *Paranurella porculus* Arlé (2250) p. 162, figs. 33–43; Brazil.

Genus: HANDSCHINIA Stach, 1949 (1888) p. 56.
Type species fixed: *H. fluminensis* (Arlé) by Stach, 1949 (1888) p. 56.

Handschinia fluminensis (Arlé) 1939

1939. *Pseudachorutes fluminensis* Arlé (63) p. 67, figs. 1–10; Rio de Janeiro.

1942. *Arlesia fluminensis* Handschin (1013) p. 282; Synonymy.
1949. *Handschinia fluminensis* Stach (1888) p. 57; Brazil.

Handschinia proxima (Arlé) 1939

1939. *Pseudachorutes proximus* Arlé (63) p. 69, figs. 11–14; Rio de Janeiro.
1942. *Arlesia proxima* Handschin (1013) p. 282; Synonymy.
1949. *Handschinia proxima* Stach (1888), p. 57; Brazil.

Genus: ARLESIA Handschin, 1942 (1013) p. 278.

Type species fixed: *A. albipes* (Folsom) by Handschin, 1942 (1013) p. 278.

Arlesia albipes (Folsom) 1927

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1927. *Pseudachorutes albipes* Folsom (799) p. 6, Pl. V, figs. 39–43; Canal Zone; Central America.
1931. *Ceratrimeria albipes* Denis (638) p. 95, figs. 60–68; Costa Rica.
1931. *Ceratrimeria albipes juv.* Denis (638) p. 97, figs. 69–73; Costa Rica.
1931. *Ceratrimeria albipes* Denis (638) p. 162; Costa Rica.
1937. *Ceratrimeria albipes* Womersley (2187) p. 379; Costa Rica; Panama.
1942. *Arlesia albipes* Handschin (1013) p. 282; Synonymy.

Arlesia carli (Denis) 1924

1924. *Pseudachorutes carli* Denis (616) p. 222, figs. 35–36; Brazil.
1929. *Ceratrimeria carli* Denis (632) p. 174; Systematics.
1931. *Ceratrimeria carli* Denis (638) p. 100; Brazil.
1937. *Ceratrimeria carli* Womersley (2187) p. 379; Brazil.
1942. *Arlesia carli* Handschin (1013) p. 282; Synonymy.
1960. *Neotropiella carli* Arlé (2251) p. 7, fig. 1; Brazil.

Genus: LOGACANURA Wray, 1958 (2212) p. 4.

Type species fixed: *L. pasura* Wray, 1958 (2212) p. 4.

Logacanura pasura Wray, 1958

1958. *Logacanura pasura* Wray (2212) p. 4, figs. 1 L-O; Utah.

Genus: NEOTROPIELLA Handschin, 1942 (1013) p. 278. = *Americotrimeria* Stach, 1949 (1888) p. 63.

Type species fixed: *N. meridionalis* (Arlé) by Stach, 1949 (1888) p. 63.

N.B.—Previous type fixed by Handschin was a mistake as it belongs in a different genus—i.e., *Arlesia*. See Handschin, 1942 (1013) pp. 278, 282.

Neotropiella anura (Arlé), 1939

1939. *Ceratrimeria anura* Arlé (63) p. 70, figs. 21–28; Rio de Janeiro.
1942. *Aethiopella* (*Neotropiella*) *anura* Handschin (1013) p. 282; Synonymy.

Neotropiella denisi (Arlé), 1939

1939. *Pseudachorutes denisi* Arlé (63) p. 69, figs. 15–20; Rio de Janeiro.
1942. *Aethiopella* (*Neotropiella*) *denisi* Handschin (1013) p. 282; Synonymy.

Neotropiella meridionalis (Arlé) 1939

1939. *Ceratrimeria meridionalis* Arlé (63) p. 71, figs. 29–40; Rio de Janeiro.
1942. *Aethiopella* (*Neotropiella*) *meridionalis* Handschin (1013) p. 282; Synonymy.

Neotropiella pentoculata (Womersley) 1930

TYPE: Brit. Mus. Nat. Hist., London.
1930. *Ceratrimeria pentoculata* Womersley (2166) p. 310, figs. 21–26.
1942. *Aethiopella* (*Neotropiella*) *pentoculata* Handschin (1013) p. 282; Synonymy.

Neotropiella silvestrii (Denis) 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Ceratrimeria silvestrii* Denis (632) p. 172, fig. 4.
1942. *Aethiopella* (*Neotropiella*) *silvestrii* Handschin (1013) p. 282; Synonymy.
1949. *Americotrimeria silvestrii* Stach (1888) p. 63; Systematics.

Genus: CRYPTOTRIMERIA Stach, 1949 (1888) p. 61.

Type species fixed: *C. mirabilis* (Handschin) by Stach, 1949 (1888) p. 61.

Cryptotrimeria mirabilis (Handschin), 1928

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London
1928. *Pseudachorutes mirabilis* Handschin (1007) p. 16, figs. 1–6; Abyssinia.
1934. *Ceratrimeria mirabilis* Womersley (2177) p. 441; Africa.
1937. *Ceratrimeria mirabilis* Womersley (2187) p. 378; Abyssinia.
1942. *Aethiopella mirabilis* Handschin (1013) p. 280; Synonymy.

Genus: WOMERSLEYMERIA Stach, 1949 (1888) p. 64.

Type species fixed: *W. bicornis* (Womersley) by Stach, 1949 (1888) p. 64.

Womersleymeria bicornis (Womersley) 1940

SYNTYPE: Sth. Austr. Mus., Adelaide.
1940. *Ceratrimeria bicornis* Womersley (2191) p. 137; Tasmania.
1949. *Womersleymeria bicornis* Stach (1888) p. 64; Systematics.

Genus: PSEUDOBILOBA Stach, 1951 (1890) p. 6.

Type species fixed: *P. tenebrarum* (Absolon), by Stach, 1951 (1890) p. 6.

Pseudobiloba tenebrarum (Absolon) 1901

1901. *Neanura tenebrarum* Absolon (15) p. 575; Czechoslovakia.
1937. *Achorutes tenebrarum* Frenzel (828) p. 316; Ecology.
1951. *Pseudobiloba tenebrarum* Stach (1890) p. 6; Systematics.

Genus: *MICRANURIDA Börner, 1901 (229) p. 702.

Type species: *M. pygmaea* Börner, 1901 (229).

Micranurida anophthalmica Stach, 1949

TYPE: Inst. Syst. Zool. Pol. Acad. Sci., Cracow, Poland.
1949. *Micranurida anophthalmica* Stach (1888) p. 48, Pl. VII, figs. 1–9; Poland, Ukraine.
1955. *Micranurida anophthalmica* Stach (1893) p. 71; Poland; Carpathians.
1959. *Micranurida anophthalmica* Stach (1896) p. 14; Poland; Carpathians.
1960. *Anurida anophthalmica* Gisin (2271) p. 94; Poland; Carpathians.
1960. *Anurida anophthalmica* Grindbergs (2373) p. 31; U.S.S.R.

* Börner did not designate a type for the genus *Micranurida*, but as the species *M. pygmaea* was the one used when the genus was erected I now designate this species as type species of this genus.

Micranurida candida Cassagnau, 1952

TYPE: Author Colln., Lab. Zool., Fac. Sci., Toulouse, France.

1952. *Micranurida candida* Cassagnau (411) p. 310, fig. 4, G. H. J. K; France.
1955. *Micranurida candida* Cassagnau (422) p. 157, fig. 2; Pyrenees.
1960. *Anurida candida* Gisin (2271) p. 91; France.

Micranurida decussa Salmon, 1941

TYPE: Dominion Musuem, Wellington, New Zealand.

1941. *Micranurida decussa* Salmon (1676) p. 298, Pl. 43, figs. 69–72; New Zealand.

Micranurida handschini Gisin, 1944

1924. *Micranurida sexpunctata* Handschin (981) p. 98; Switzerland.
1943. *Micranurida handschini* Gisin (853) p. 147; Switzerland; Ecology; nom. nov.
1944. *Micranurida handschini* Gisin (854) p. 22; Switzerland; Systematics.
1944. *Micranurida sexpunctata* Gisin (855) p. 13; Switzerland.
1947. *Micranurida handschini* Gisin (866) p. 78; Switzerland.
1951. *Micranurida handschini* Gisin (877) p. 85; Switzerland.
1957. *Micranurida handschini* Gisin (898) p. 110; Switzerland.
1959. *Micranurida handschini* Haybach (2375) Tab. VIII; Ecology.

Micranurida hasai Kseneman, 1936

1936. *Micranurida hasai* Kseneman (1214) p. 101; Austrian Alps; Carpathian Mts.
1937. *Micranurida hasai* Kseneman (1217) p. 459, fig. 2; Carpathians.
1938. *Micranurida hasai* Kseneman (1219) p. 108; Spieglitzer snow mountains.
1938. *Micranurida hasai* Kseneman (1220) p. 10; Europe.
1943. *Micranurida hasai* Gisin (853) p. 146; Switzerland.
1949. *Micranurida hasai* Stach (1888) p. 46; Revised descr.; Poland.
1952. *Micranurida hasai* Hammer (971) p. 412; Greenland.
1953. *Micranurida hasai* Hammer (972) p. 25; North Canada.
1955. *Micranurida hasai* Stach (1893) p. 71; Poland.
1956. *Micranurida hasai* Bockemuhl (193) p. 134; Spitzbergen.
1957. *Micranurida hasai* Bodvarsson (2252) p. 12; Iceland.
1959. *Micranurida hasai* Stach (1896) p. 14; Poland.

Micranurida meridionalis Cassagnau, 1952

TYPE: Author's Pers. Colln., Lab. Zool., Fac. Sci., Toulouse, France.

1952. *Micranurida meridionalis* Cassagnau (411) p. 310, fig. 4, I, L, M; France.
1960. *Anurida meridionalis* Gisin (2271) p. 92; France.

Micranurida mirabilis (Denis) 1931

1931. *Hypanurida mirabilis* Denis (639) p. 206, figs. 3–5; Germany.
1944. *Micranurida mirabilis* Gisin (855) p. 13; Systematics.
1958. *Micranurida mirabilis* von Torne (1993) p. 661; Austria.
1959. *Micranurida mirabilis* Haybach (2375) Tab. VIII; Ecology.
1960. *Micranurida mirabilis* Gisin (2271) p. 90; = *Anurida granulata.*

Micranurida papillosa Axelson, 1902

TYPE: Zool. Mus. Univ., Helsinki, Finland.

1902. *Micranurida papillosa* Axelson (76) p. 103; Karelia; N.W. Russia.
1907. *Micranurida papillosa* Axelson (83) p. 128; Finland.
1907. *Micranurida papillosa* Axelson (84) p. 15; North Finland.
1912. *Micranurida papillosa* Axelson (1292) p. 73, Pl. I, figs. 7, 8; Pl. VII, figs. 14–18; Finland; Diagnosis.
1929. *Micranurida papillosa* Handschin (1008) p. 37; Nth. Europe.
1934. *Micranurida papillosa* Durkop (707) p. 494; Finland.
1948. *Micranurida papillosa* Leleup (1270) p. 10; Belgium.
1949. *Micranurida papillosa* Stach (1888) p. 39; Kanin Peninsula.
1953. *Micranurida papillosa* Hammer (972) p. 26; Nth. Canada; Added descr.
1955. *Micranurida papillosa* Strenzke (1926) p. 27; Russia.
1960. *Micranurida papillosa* Gisin (2271) p. 89; Russia.
1960. *Micranurida papillosa* Grindbergs (2373) p. 30; U.S.S.R.

Micranurida papillosoides Hammer, 1953

TYPE: Author. Pers. Colln., Fredensborg, Denmark.

1953. *Micranurida papillosoides* Hammer (972) p. 28, fig. 10; North Canada.

Micranurida peyrei Cassagnau, 1955

1955. *Micranurida peyrei* Cassagnau (422) p. 157, fig. 11; France; Spain.
1960. *Micranurida peyrei* Gisin (2271) p. 88; Pyrenees.

Micranurida polaris Hammer, 1954

1954. *Micranurida polaris* Hammer (974) p. 9, figs. 3–5; North Greenland.

Micranurida pygmaea Börner, 1901

TYPE: Deutsch. Entom. Inst., Berlin.

1901. *Micranurida pygmaea* Börner (229) p. 702, figs. 6, 7; Germany.
1905. *Micranurida pygmaea* Axelson (81) p. 27; Tvarminne, Finland.
1905. *Micranurida pygmaea* Axelson (82) p. 8; Reval, Russia.
1907. *Micranurida pygmaea* Axelson (83) p. 128; Finland.
1911. *Micranurida pygmaea* Shoebotham (1819) p. 33; England.
1912. *Micranurida pygmaea* Axelson (1292) p. 72, Pl. VII, figs. 12, 13; Finland.
1919. *Micranurida pygmaea* Brown (297) p. 64; England.
1920. *Micranurida pygmaea* Stach (1859) p. 139; Poland; Germany; England; Estonia.
1924. *Micranurida pygmaea* Handschin (981) p. 98; Switzerland; Ad. descr.

1929. *Micranurida pygmaea* Handschin (1008) p. 37, fig. 53; Baltic; Germany; England; Switzerland.
1930. *Micranurida pygmaea* Stach (1869) p. 282; Europe.
1932. *Micranurida pygmaea* Durkop (706) p. 234; Germany.
1932. *Micranurida pygmaea* Kseneman (1211) p. 13; Europe.
1933. *Micranurida pygmaea* Schubert (1787) pp. 184, 239; Ecology.
1934. *Micranurida pygmaea* Agrell (37) p. 219; Ecology; Sweden.
1934. *Micranurida pygmaea* Davies (522) p. 118; Wales.
1934. *Micranurida pygmaea* Durkop (707) p. 494; Europe.
1934. *Micranurida pygamaea* Mills (1417) p. 27, figs. 64, 65; Iowa; California; Europe.
1934. *Micranurida pygmaea* Volz, (2069) p. 173; Ecology.
1936. *Micranurida pygmaea* Stammer (1900) p. 211; Schneeberghöhle.
1937. *Micranurida pygmaea* Frenzel (828) p. 316; Ecology.
1937. *Micranurida pygmaea* Kseneman (1217) p. 466; Carpathians.
1937. *Micranurida pygmaea* Schubert (1792) p. 125; Germany.
1938. *Micranurida pygmaea* Kseneman (1219) p. 108; Spieglitzer Snowmountains.
1938. *Micranurida pygmaea* Kseneman (1220) p. 10; Europe.
1939. *Micranurida pygmaea* Agrell (44) p. 167; Sweden.
1939. *Micranurida pygmaea* Bagnall (120) p. 196; Britain.
1939. *Micranurida pygmaea* Stach (1881) p. 397; Caves in Glatzer Schneeberges.
1941. *Micranurida pygmaea* Agrell (46) p. 19; Swedish Lapland.
1943. *Micranurida pygmaea* Agrell (47) p. 124; Sweden.
1943. *Micranurida pygmaea* Gisin (853) p. 146; Switzerland.
1943. *Micranurida pygmaea* Strebel (1919) p. 118; Germany.
1945. *Micranurida pygmaea* Agrell (50) p. 10; Sweden.
1945. *Micranurida pygmaea* Del. Deb. (536) p. 27, fig. 2; descr.; France.
1947. *Micranurida pygmaea* Gisin (866) p. 78; Switzerland.
1948. *Micranurida pygmaea* Weis-Fogh (2109) p. 200, Tab. VIII; Denmark.
1949. *Micranurida pygmaea* Stach (1888) p. 42, Pl. VI, figs. 1–7; Revised descr.; Poland; Germany.
1949. *Micranurida pygmaea* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Micranurida pygmaea* Del. Deb. (570) p. 44, fig. 8.
1951. *Micranurida pygmaea* Gisin (877) p. 85; Switzerland.
1951. *Micranurida pygmaea* Praport (1610) p. 140; Poland.
1951. *Micranurida pygmaea* Schaller (1746) p. 464; Ecology.
1951. *Micranurida pygmaea* Stach (1889) p. 18, fig. 9; F. & G.
1952. *Micranurida pygmaea* Hammer (971) p. 412; Greenland.
1952. *Micranurida pygmaea* Mihelcic (1406) p. 96; Ecology.
1953. *Micranurida pygmaea* Gisin (885) p. 229; Jan Mayen Is.
1953. *Micranurida pygmaea* Hammer (972) p. 25; North Canada.
1954. *Micranurida pygmaea* Bellinger (174) p. 20; Connecticut.
1954. *Micranurida pygmaea* Macfadyen (1339) p. 289; Jan Mayen Is.
1955. *Micranurida pygmaea* Stach (1893) p. 71, figs. 163–165; Europe.
1955. *Micranurida pygmaea* Strenzke (1926) p. 27; Europe.
1956. *Micranurida pygmaea* Bockemuhl (193) p. 134; Spitzbergen.
1957. *Micranurida pygmaea* Bodvarsson (2252) p. 12; Iceland.
1957. *Micranurida pygmaea* Gisin (898) p. 110-; Switzerland.
1957. *Micranurida pygmaea* Haarlov (2281) p. 14; Denmark; habitat.
1958. *Micranurida pygmaea* Kholova (1169) p. 234; Bohemia.
1958. *Micranurida pygmaea* von Torne (1993) p. 662; Austria.
1959. *Micranurida pygmaea* Da Gama (494) p. 15; Madeira.
1959. *Micranurida pygmaea* Da Gama (2266) p. 9; Portugal.
1959. *Micranurida pygmaea* Haybach (2375) Tab. VIII; Ecology.
1959. *Micranurida pygmaea* Stach (1896) p. 14-; Poland.
1960. *Anurida pygmaea* Gisin (2271) p. 91, figs. 184–187; Greenland; Europe.
1960. *Micranurida pygmaea* Grindbergs (2373) p. 30; U.S.S.R.

Micranurida sexpunctata Handschin, 1924

1924. *Micranurida sexpunctata* Handschin (981) p. 98; Switzerland.
1926. *Micranurida sexpunctata* Handschin (988) p. 11, figs. 4, 20; Biology.
1929. *Micranurida sexpunctata* Handschin (1008) p. 37, figs. 54, 55; Switzerland.
1936. *Micranurida sexpunctata* Tarsia in Curia (1951) p. 20; Italy.
1938. *Micranurida sexpunctata* Kseneman (1219) p. 108; Spieglitzer snow mountains.
1938. *Micranurida sexpunctata* Kseneman (1220) p. 10; Europe.
1942. *Micranurida sexpunctata* Muhlmann (1467) p. 223; Europe.
1943. *Micranurida sexpunctata* Strebel (1919) p. 117; Germany.
1944. *Micranurida handschini* Gisin (854) p. 22; Switzerland.
1949. *Micranurida sexpunctata* Schaller (1742) p. 268; Germany; Ecology.
1949. *Micranurida sexpunctata* Stach (1888) p. 39; Sudeten; Austria; Germany; Swiss Alps; Italy.
1951. *Micranurida sexpunctata* Praport (1610) p. 140; Poland.
1952. *Micranurida sexpunctata* Mihelcic (1406) p. 96; Ecology.
1955. *Micranurida sexpunctata* Stach (1893) p. 72; Poland; Germany.
1956. *Micranurida sexpunctata* Paclt (1541) p. 38, fig. 52; Biology.
1958. *Micranurida sexpunctata* Grindbergs (2277) p. 192; Latvia.
1958. *Micranurida sexpunctata* von Torne (1993) p. 662; Austria.
1960. *Micranurida sexpunctata* Gisin (2271) p. 90; Syst.

Micranurida spirillifera Hammer, 1953

TYPE: Author. Pers. Colln., Fredensborg, Denmark.

1953. *Micranurida spirillifera* Hammer (972) p. 25, fig. 8; North Canada.

Genus: MEGANURA Handschin, 1942 (1013) p. 278.

Type species fixed: *M. tasmaniae* (Lubbock) by Handschin, 1942 (1013) p. 278.

Meganura tasmaniae (Lubbock) 1899

TYPE: Brit. Mus. Nat. Hist., London.

1899. *Anoura tasmaniae* Lubbock (1325) p. 335, fig. 1; Tasmania.

1937. *Ceratrimeria tasmaniae* Womersley (2187) p. 374, figs. 1–5; Tasmania; Redescr.

1939. *Ceratrimeria tasmaniae* Womersley (2190) p. 118, fig. 47, D-H; Tasmania.

1942. *Meganura tasmaniae* Handschin (1013) p. 279; Synonymy.

Genus: ACANTHANURA Börner, 1906 (243) p. 168.
= *Anoura* Lubbock 1899 (1325) p. 336 (in part).
= *Ceratrimeria* Börner, 1906 (243) p. 167 (in part).

Type species fixed: *A. dendyi* (Lubbock) by Handschin, 1942 (1013) p. 278.

Acanthanura dendyi (Lubbock) 1899

SYNTYPES: Brit. Mus. Nat. Hist., London.

1899. *Anoura Dendyi* Lubbock (1325) p. 336, figs. 2–5; Australia.

1901. *Anoura dendyi* Dendy (606) p. 98; New Zealand; Tasmania.

1906. *Acanthanura Dendyi* Börner (243) p. 168; Australia; Systematics.

1937. *Ceratrimeria Dendyi* Womersley (2187) p. 375, figs. 6–11; Redescr.; Tasmania.

1939. *Ceratrimeria Dendyi* Womersley (2190) p. 118, fig. 47 I-N; Tasmania.

1942. *Acanthanura Dendyi* Handschin (1013) p. 279; Synonymy.

1949. *Acanthanura dendyi* Stach (1888) p. 64; Systematics.

Genus: HOLACANTHELLA Börner, 1906 (243) p. 169.
= *Anoura* Lubbock, 1899 (1325) p. 336 (in part).
= *Ceratrimeria* Börner, 1906 (243) p. 167 (in part).

Type species fixed: *H. spinosa* (Lubbock) by Handschin, 1942 (1013) p. 278.

Holacanthella brevispinosa (Salmon) 1942

TYPE: Dominion Mus., Wellington, N.Z.

1942. *Ceratrimeria brevispinosa* Salmon (1677) p. 256, Pl. 43, fig. 1–3; New Zealand.

1949. *Holacanthella brevispinosa* Stach (1888) p. 64; Systematics.

Holacanthella duospinosa Salmon, 1942

TYPE: Dominion Mus., Wellington, N.Z.

1942. *Ceratrimeria duospinosa* Salmon (1677) p. 257, Pl. 43, fig. 9–10; New Zealand.

1949. *Holacanthella duospinosa* Stach (1888) p. 64; Systematics.

1956. *Ceratrimeria duospinosa* Paclt (1541) p. 10, fig. 6; Biology.

***Holacanthella laterospinosa** Salmon, 1944, nov. comb.

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Ceratrimeria laterospinosa* Salmon (1683) p. 132, Pl. 56, figs. 42–43; New Zealand.

Holacanthella paucispinosa Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Ceratrimeria paucispinosa* Salmon (1676) p. 300, Pl. 44, fig. 81; Pl. 45, figs. 82, 83; New Zealand.

1942. *Ceratrimeria paucispinosa* Salmon (1677) p. 256, fig. 12; New Zealand.

1944. *Ceratrimeria paucispinosa* Salmon (1681) p. 132; New Zealand.

1949. *Holacanthella paucispinosa* Stach (1888) p. 64; Systematics.

Holacanthella spinosa (Lubbock) 1899

SYNTYPES: Brit. Mus. Nat. Hist., London.

1899. *Anoura spinosa* Lubbock (1325) p. 338, figs. 6, 7; Australia.

1901. *Anoura spinosa* Dendy (606) p. 98; New Zealand; Tasmania.

1904. *Anoura spinosa* Hutton (1085) p. 234; New Zealand.

1906. *Holacanthella spinosa* Börner (243); Systematics.

1925. *Holacanthella spinosa* Carpenter (395) p. 7; New Zealand.

1925. *Anoura spinosa* Tillyard (1975) p. 301, fig. 12; New Zealand.

1925. *Anoura spinosa* Smith (1842) p. 373; New Zealand.

1937. *Ceratrimeria spinosa* Womersley (2187) p. 377, figs. 12, 13; New Zealand.

1941. *Ceratrimeria spinosa* Salmon (1677) p. 255, fig. 11; New Zealand.

1942. *Holacanthella spinosa* Handschin (1013) p. 279; Synonymy.

1942. *Ceratrimeria spinosa* Salmon (1677) p. 255, fig. 11; New Zealand.

1949. *Ceratrimeria spinosa* Britton (287) p. 49; New Zealand.

1951. *Holacanthella spinosa* Salmon (1692) p. 15; Taxonomy.

Genus: MEGANURIDA Carpenter, 1935 (400) p. 365.

Type species fixed: *M. mumfordi* Carpenter, 1935 (400) p. 365, by monotype.

Meganurida mumfordi Carpenter, 1935

1935. *Meganurida mumfordi* Carpenter (400) p. 365, fig. 1; Marquesas.

1938. *Meganurida mumfordi* Handschin (1011) p. 139; Marquesas; Oceania.

Genus: BRASILIMERIA Stach, 1949 (1888) p. 56.

Type species fixed: *B. anura* (Arlé), by Stach, 1949 (1888) p. 56.

Brasilimeria anura (Arlé) 1939

1939. *Ceratrimeria anura* Arlé (63) p. 70; Brazil.

1942. *Aethiopella* (*Neotropiella*) *anura* Handschin (1013) p. 265; Brazil.

1949. *Brasilimeria anura* Stach (1888) p. 56; Brazil; Systematics.

1959. *Brasilimeria anura* Arlé (2250) p. 164, figs. 61, 62; Brazil.

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* *Holacanthella laterospinosa* agrees in the structure of the mouth parts with the other species of this genus and was incorrectly referred to the genus *Ceratrimeria* when it was described.

Genus: PARANURA Axelson, 1902 (76) p. 102.
= *Börneria* Axelson, 1902 (76) p. 101.

Type species fixed: *P. sexpunctata* Axelson, by Stach, 1949 (1888) p. 2.

Paranura australasiae Womersley, 1935

TYPE: Sth. Austr. Mus., Adelaide.
1935. *Paranura australasiae* Womersley (2181) p. 208, fig. 2 a-d; Australia.
1939. *Paranura australasiae* Womersley (2190) p. 104, fig. 44 A-D; Sth. Australia.
1942. *Paranura australasiae* Womersley (2193) p. 23; Australia.

Paranura australasia schoetti Womersley, 1935

1935. *Paranura australasiae schötti* Womersley (2181) p. 210, fig. 2 i; Australasia.

Paranura caeca Folsom, 1916

COTYPES: Mus. Comp. Zool., Harvard; Illinois State Nat. Hist. Surv., Urbana, Illinois.
1916. *Paranura caeca* Folsom (787) p. 507, Pl. 22, figs. 215, 216, Pl. 23, figs. 217–221; Illinois.
1934. *Paranura caeca* Mills (1417) p. 27; Iowa.
1950. *Paranura caeca* Wray (2202) p. 6; Nth. Carolina.
1959. *Paranura caeca* Wilkey (2350) p. 222; California.

Paranura quadrilobata Hammer, 1953

TYPE: Author's Pers. Colln., Fredensborg, Denmark.
1953. *Paranura quadrilobata* Hammer (972) p. 24, fig. 7; Nth. Canada.

Paranura sexpunctata* Axelson, 1902

TYPE: Zool. Mus., Univ. Helsinki, Finland.
1902. *Paranura sexpunctata* Axelson (76) p. 102; Finland.
1907. *Paranura sexpunctata* Axelson (83) p. 129; Finland
1912. *Paranura sexpunctata* Axelson (1292) p. 75, Pl. I, fig. 6, Pl. VII, figs. 19–27; Finland; Diagnosis; Synonymy.
1929. *Paranura sexpunctata* Handschin (1008) p. 39; Norway; Finland.
1933. *Paranura sexpunctata* James (1124) p. 92; Canada.
1943. *Paranura sexpunctata* Agrell (47) p. 124; Sweden.
1949. *Paranura sexpunctata* Stach (1888) p. 2; Systematics.
1960. *Anurida sexpunctata* Gisin (2271) p. 90; England; Scandinavia.

Paranura sexpunctata clavisetis* (Axelson) 1902

TYPE: Zool. Mus. Univ., Helsinki, Finland.
1902. *Börneria clavisetis* Axelson (76) p. 101; Finland; Russia.
1907. *Börneria clavisetis* Axelson (83) p. 129; Finland.
1907. *Paranura clavisetis quadrimaculata*† Axelson (83) p. 129; Finland.
1911. *Paranura clavisetis* Axelson (1291) p. 9; Norway.
1912. *Paranura sexpunctata clavisetis* Axelson (1292) p. 75.
1939. *Paranura sexpunctata clavisetis* Bagnall (120) p. 196; Britain.

Paranura sexpunctata colorata Mills, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Paranura sexpunctata colorata* Mills (1417) p. 28, fig. 74; Iowa.
1938. *Parnura sexpunctata colorata* Brimley (275) p. 15; Nth. Carolina.
1938. *Paranura sexpunctata colorata* Mills (1421) p. 15; Nth. Carolina.
1959. *Paranura sexpunctata colorata* Wilkey (2350) p. 222; California.

Paranura s-uénoi Yosii, 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Paranura s-uénoi* Yosii (2233) p. 382, figs. 2 A-G; Tokara Is.

Genus: WOMERSLEYA Denis, 1948 (676) p. 198.
Type species fixed: *W. vicina* (Denis), by Denis, 1948 (676) p. 199.

Womersleya dawydoffi (Denis) 1934

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1934. *Acanthanura dawydoffi* Denis (647) p. 118; Indochina.
1937. *Achorutes dawydoffi* Womersley (2187) p. 381; Indochina.
1942. *Acanthanura dawydoffi* Handschin (1013) p. 279; Synonymy.
1948. *Womersleya dawydoffi* Denis (676) p. 201, figs. 6 a-g; Indochina.
1959. *Womersleya dawydoffi* Yosii (2355) p. 17; Japan.

Womersleya vicina (Denis) 1934

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1934. *Protanura vicina* Denis (647) p. 117; Indochina.
1948. *Womersleya vicina* Denis (676) p. 199, fig. 5; Indochina.
1956. *Lobella vicina* Yosii (2234) p. 614; Japan.
1959. *Womersleya vicina* Yosii (2355) p. 17; Japan.

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* Two genera, *Börneria* and *Paranura* were set up by Axelson in 1902 (76) pp. 101–102, with the species *B. clavisetis* and *P. sexpunctata* as their respective types. In 1907 (83) p. 129, Axelson added, without any description to identify it, a subspecies *quadrimaculata* to *B. clavisetis*. At the same time he suggested that *Börneria* (in part) and *Paranura* were synonyms. But the name *Börneria* had also been used by Willem for a new genus of Collembola, also in 1902 (2130) p. 5, a fact recognised by Axelson in his 1907 paper. In his 1912 paper (1292) p. 74, Axelson sets out the synonymy of these names and establishes that the species *B. claviseta* and *P. sexpunctata* are of the same genus, *clavisetis* being indeed merely a varietal form of *sexpunctata*. As the first reviser of this complex (Art. 24, Int. Code of Zool. Nomenclature) Axelson shows that the name, *Börneria* Axelson, falls as a synonym and the name *Paranura* Axelson must take its place, with type species *P. sexpunctata* as designated by the author. And, of course, the species previously described as *Börneria clavisetis* becomes a subspecies of *Paranura sexpunctata*.

† According to Axelson the variety *quadrimaculata* is a synonym of var. *clavisetis* but as the former name was published without either description or figures it can have no standing in the literature.

Genus: PRONURA Delamare Deboutteville, 1953 (585) p. 823.

* Type species now designated: *P. kilimanjarica* Del. Deb. 1953 (585) p. 823.

Pronura kilimanjarica Delamare Deboutteville, 1953

TYPE: Author's Pers. Colln., Fac. Sci., Univ. Nancy, France.

1953. *Pronura kilimanjarica* Delamare Deboutteville (585) p. 823, fig. 4 A-G; Kilimanjaro.

Pronura pacifica (Carpenter) 1935

1935. *Sericanura pacifica* Carpenter (400) p. 368, fig. 3; Marquesas.
1938. *Sericanura pacifica* Handschin (1011) p. 139; Marquesas; Oceania.

Genus: BIOCULARIA Stach, 1951 (1890) p. 6.

Type species fixed: *B. semilunaris* (Schött), by Stach, 1951 (1890) p. 6.

Biocularia semilunaris (Schött) 1925

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.

1925. *Achorutes semilunaris* Schött (1777) p. 107; Nth. Sarawak.
1928. *Achorutes semilunaris* Handschin (1001) p. 266; Borneo.
1951. *Biocularia semilunaris* Stach (1890) p. 6; India; Indochina; Abyssinia.
1959. *Neanura semilunaris* Yosii (2355) p. 17; Borneo.

Genus: GNATHOLONCHE Börner, 1906 (243) p. 168.

Type species fixed: *G. lipaspis* Börner, 1906 (243) p. 168.

Gnatholonche angularis (Salmon) 1944

TYPE: Dominion Mus., Wellington, New Zealand.

1944. *Neanura angularis* Salmon (1683) p. 140, Pl. 57, figs. 70–73; New Zealand.
1948. *Gnatholonche angularis* Salmon (1687) p. 291; Three Kings Is., New Zealand.
1951. *Gnatholonche angularis* Stach (1890) p. 93; New Zealand; Cuvier Is.

Gnatholonche corallina (Imms) 1912

TYPE: Indian Mus., Calcutta.

PARATYPES: Brit. Mus. Nat. Hist., London.

1912. *Neanura corallina* Imms (1090) p. 85, Pl. VII, figs. 23–26; Ceylon.
1951. *Gnatholonche corallina* Stach (1890) p. 94; Ceylon
1959. *Neanura corallina* Yosii (2355) p. 17; Ceylon.

Gnatholonche indica (Handschin) 1929

1929. *Achorutes indicus* Handschin (1006) p. 235, figs. 7–8; Sth. India.
1951. *Gnatholonche indica* Stach (1890) p. 93; Sth. India.
1959. *Achorutes indicus* Yosii (2355) p. 17; Nilgiris.

Gnatholonche intermedia (Imms) 1912

PARATYPE: Brit. Mus. Nat. Hist., London.

1912. *Neanura intermedia* Imms (1090) p. 87, Pl. VI, figs. 13, 14, Pl. VII, fig. 20; India.
1951. *Gnatholonche intermedia* Stach (1890) p. 94; India.
1955. *Neanura intermedia* Baijal (1369) p. 510; N.W. Himalayas.
1959. *Neanura intermedia* Yosii (2355) p. 17; Himalayas.

Gnatholonche lipaspis Börner, 1906

COTYPE: Sth. Austr. Mus., Adelaide.

1906. *Achorutes* (*Gnatholonche*) *lipaspis* Börner (243) p. 170; Java.
1925. *Achorutes* (*Gnatholonche*) *lipaspis* Handschin (985) p. 266; Java.
1926. *Gnatholonche lapaspis* Handschin (993) p. 453, fig 4; Sumatra.
1928. *Gnatholonche lapaspis* Handschin (1001) p. 246; Java; Sumatra.
1944. *Achorutes* (*Gnatholonche*) *lipaspis* Uchida (2021) p. 2, figs. 1, 2; Micronesia; Caroline Is.
1951. *Gnatholonche lipaspis* Stach (1890) p. 93; Java; Sumatra.
1955. *Achorutes lipaspis* Uchida (2034) p. 200.
1957. *Achorutes lipaspis* Uchida (2041) p. 18; Java; Micronesia; Sumatra.
1959. *Gnatholonche lipaspis* Yosii (2355) p. 17; Java; Sumatra; Micronesia.

Gnatholonche montana (Handschin) 1929

1929. *Achorutes montanus* Handschin (1007) p. 18, figs. 7–9; Abyssinia.
1934. *Achorutes montanus* Womersley (2177) p. 468; Abyssinia.
1951. *Gnatholonche montana* Stach (1890) p. 94; Abyssinia; Systematics.
1959. *Neanura montana* Paclt (2316) p. 32; Sth. Africa.

Gnatholonche sensilla Salmon, 1948

TYPE: Dominion Mus., Wellington, New Zealand.

1948. *Gnatholonche sensilla* Salmon (1687) p. 291, figs. 1–2; Three Kings Is., New Zealand.

Genus: METANURA Yosii, 1954 (2231) p. 792.

Type species fixed: *M. sancti-sebastiani* Yosii, 1954 (2231) p. 792.

Metanura pygmaea Yosii, 1954

TYPE: Author's Pers. Colln., Kyoto University, Japan.

1954. *Metanura pygmaea* Yosii (2231) p. 794, fig. 14; Japan.
1959. *Bilobella pygmaea* Yosii (2355) p. 17; Japan.

Metanura sancti-sebastiani Yosii, 1954

TYPE: Author's Pers. Colln., Kyoto University, Japan.

1954. *Metanura sancti-sebastiani* Yosii (2231) p. 793, figs. 12a, 13; Japan.
1957. *Metanura sebastiani* Nomura (1499) p. 69; Japan.
1959. *Metanura sebastiani* Yosii (2355) p. 16; Japan.

Genus: NEANURA MacGillivray, 1893 (1342) p. 314
= *Achorutes* Templeton, 1835 (1957) p. 96.
= *Blax* Koch, 1840 (1187) p. 359.
= *Anoura* Gervais, 1842 (840) p. XLVII.
= *Achoreutes* Templeton, 1842 (1958) p. 306.
= *Anura* Tullberg, 1869 (2001) pp. 4, 20.
= *Biclavella* Willem, 1902 (2130) p. 10.
= *Lobella* Börner, 1906 (243) p. 168.
= *Biloba* Stach, 1949 (1887) p. 6.
= *Propeanura* Yosii, 1956 (2235) p. 46.

Type species fixed: *N. muscorum* (Templeton), by MacGillivray, 1893 (1342) p. 314.

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* As Delamare Deboutteville did not cite a type species for this genus, the species *P. kilimanjarica* must now be designated type species by monotypy.

Achorutes Templeton, 1835: Invalidated by Commission, 1956 (1102) p. 429; Suppressed under the Plenary Powers for the purposes of the Law of Priority but not for those of the Law of Homonymy, Int. Comm. Zool. Nomen., 1958 (2376) p. 79.

Achoreutes Templeton, 1842: (An Erroneous Subsequent Spelling). Suppressed by Commission, 1956 (1102) p. 429; Officially Rejected, Int. Comm. Zool. Nomen., 1958 (2376) p. 79.

Anoura Gervais, 1842: Placed on Official List of Rejected and Invalid Generic Names, Int. Comm. Zool. Nomen., 1956 (1102) p.429; Index of Rejected and Invalid Names (Generic) 1958 (2376) p. 79.

Anura Agassiz (J.L.R.) 1846: Invalidated (Homonym of *Anura* Hodgson, 1841), Int. Comm. Zool. Nomen., 1956 (1102) p. 429.

Biloba Stach, 1949: Invalidated, Int. Comm. Zool. Nomen, 1956 (1102) p. 429; Placed on Official Index of Rejected and Invalid Names (Generic) 1958 (2376) p. 79.

Neanura alba von Torne, 1956

1956. *Neanura alba* von Torne (1991) p. 1; Austria.
1960. *Neanura alba* Gisin (2271) p. 100, figs. 207–208; Austria.

Neanura albipes (Nicolet) 1847

1847. *Anoura albipes* Nicolet (1496) p. 389; Chile. (*Nigra, pedibus sophonisque albis*)
1849. *Anoura albipes* Nicolet (1497) p. 96; Chile.
1859. *Anura albipes* Müller (1468) p. 32; Chile.

Neanura alpestris (Latzel) 1922

1922. *Achorutes alpestris* Latzel (1250) p. 54; Austria.
1960. *Achorutes alpestris* Gisin (2271) p. 108; *sp. dub.*

Neanura alticola (Stach) 1951

TYPE: Inst. Zool., Pol. Acad. Sci., Cracow, Poland.
1951. *Biloba alticola* Stach (1890) p. 36, Pl. VII; Caucasus.
1960. *Neanura alticola* Gisin (2271) p. 102; Caucasus.
1960. *N. (Neanura) alticola* Grindbergs (2373) p. 32; U.S.S.R.

Neanura araucariae Yosii, 1960

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1960. *Lobella (Propeanura) araucariae* Yosii (2408) p. 12, fig. 4; New Caledonia

Neanura ater (Koch) 1840

1840. *Blax ater* Koch (1187) p. 359; Europe.

Neanura atra (Nicolet) 1847

1847. *Anoura atra* Nicolet (1496) p. 389; Chile. (*Nigra, pedibus siphonisque pallide fuscis*)
1849. *Anoura atra* Nicolet (1497) p. 96; Chile.
1859. *Anura atra* Müller (1468) p. 32; Chile.

Neanura bakeri (Handschin) 1926

1926. *Achorutes bakeri* Handschin (989) p. 236, Pl. I, figs. 7, 8; Philippines.
1930. *Achorutes bakeri* Handschin (1009) p. 412; Philippines.
1959. *Neanura bakeri* Yosii (2355) p. 18; Philippines.

Neanura banksi (Denis) 1933

1933. *Achorutes banksi* Denis (645) p. 226, figs. 10–13; Costa Rica.
1951. *Biloba banksi* Stach (1890) p. 31; Costa Rica.

Neanura barberi (Handschin) 1928

1903. *Neanura quadrioculata* Guthrie (951) p. 1; Minnesota.
1916. *Neanura quadrioculata* Folsom (787) p. 512, Pl. 25, figs. 241–245; Nth. America.
1928. *Achorutes barberi* Handschin (1002) p. 537, figs. 10, 11; Mexico; nom. nov.
1933. *Neanura barberi* James (1124) p. 92; Canada.
1934. *Neanura barberi* Mills (1417) p. 29; Iowa.
1938. *Neanura barberi* Mills (1421) p. 15; Nth. Carolina.
1938. *Neanura barberi* Brimley (275) p. 14; Nth. Carolina.
1938. *Neanura barberi* Mills (1421) p. 15; Nth. Carolina.
1944. *Neanura barberi* Gisin (854) p. 25; Nth. America.
1946. *Neanura barberi* Pearse (1575) p. 139; Ecology.
1951. *Neanura barberi* Maynard (1393) p. 65, Pl. VII, fig. 120; New York.
1956. *Achorutes barberi* Paclt (1541) p. 83; Biology.
1959. *Neanura barberi* Wilkey (2350) p. 222; California.

Neanura betulae Selga, 1959

TYPE: Lab. Zool., Suelo, Inst. Agrobiologia, Madrid.
1959. *Neanura betulae* Selga (2332) p. 71, figs. 1 and 2; Pyrenées.

Neanura bornensis (Schött) 1925

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1925. *Achorutes bornensis* Schött (1777) p. 109, figs. 11–13; Borneo.
1928. *Achorutes borneensis* Handschin (1001) p. 266; Borneo.

Neanura brasiliensis Arlé, 1959

TYPE: Mus. Nacional, Rio de Janiero, Brazil.
1959. *Neanura brasiliensis* Arlé (2250) p. 164, figs. 56–60; Brazil.

Neanura bullsa Wray, 1953

TYPE: Insect Surv. Mus., N.-C.-Dept. Agric., Raleigh, Nth. Carolina
1953. *Neanura bullsa* Wray (2205) p. 7; Nth. America.

Neanura caucasica (Stach) 1951

TYPE: Inst. Zool., Pol. Acad. Sci., Cracow, Poland.
1951. *Biloba caucasica* Stach (1890) p. 35, Pl. VI; Caucasus.
1960. *Neanura caucasica* Gisin (2271) p. 101; Caucasus.
1960. *N. (Neanura) caucasica* Grindbergs (2373) p. 32; U.S.S.R.

Neanura chilensis (Nicolet) 1847

1847. *Anoura chilensis* Nicolet (1496) p. 389; Chile.
1849. *Anoura chilensis* Nicolet (1497) p. 95; Chile. *Anoura Cinerea, articulus primus antennarum manifeste brevior secundo. Pedes pallida* Long 0.005.
1859. *Anura chilensis* Müller (1468) p. 32; Chile.

Neanura cirrata (Schött) 1917

LECTOTYPE: Brit. Mus. Nat. Hist., London.
PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1917. *Achorutes cirratus* Schött (1774) p. 8, figs. 9–10; Nth. Queensland.
1930. *Achorutes cirratus* Womersley (2163) p. 59; New Zealand.
1933. *Achorutes cirratus* Womersley (2176) p. 63; Australia.
1936. *Achorutes cirratus* Womersley (2183) p. 320; New Zealand.
1959. *Naenura cirrata* Yosii (2355) p. 18; New Guinea.

Neanura citronella Carpenter, 1904

SYNTYPES: Brit. Mus. Nat. Hist., London; and Museum, Dublin, Ireland.

1904. *Neanura citronella* Carpenter (374) p. 303, Plate IX, figs. 20–27; Hawaii.
1932. *Neanura citronella* Folsom (801) p. 56; Hawaii.
1938. *Achorutes citronella* Handschin (1011) p. 140; Hawaiian Islands.
1940. *Neanura citronella* Mumford (1472) p. 270; Hawaiian Islands.
1948. *Neanura citronella* Zimmerman (2237) p. 50, Pl. 9, figs. 20–27; Hawaii.
1959. *Neanura citronella* Yosii (2355) p. 18; Hawaiian Islands.

Neanura comata (Franz and Beier) 1948

1948. *Achorutes comatus* Franz and Beier (821) p. 472; Austria.

Neanura coronifera Axelson, 1905

1905. *Neanura coronifera* Axelson (80) p. 789; Finland.
1907. *Achorutes coronifera* Axelson (83) p. 129; Finland.
1912. *Achorutes coronifera* Axelson (1292) p. 81, Pl. VII, figs. 28–29; Finland.
1929. *Achorutes coronifera* Handschin (1008) p. 41; Germany; Finland.
1929. *Neanura coronifer* Hnatewytsch (1066) p. 226; = *Achorutes coronifer;* Ecology.
1951. *Biloba coronifera* Stach (1890) p. 33; Finland.
1960. *Neanura coronifera* Gisin (2271) p. 99; Finland.

Neanura corsica (Denis) 1948

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1948. *Achorutes corsicus* Denis (677) p. 2, fig. 1; Corsica.
1952. *Lathriopyga corsica* Gisin (882) p. 7; Corsica.
1960. *Neanura corsica* Gisin (2271) p. 106, fig. 213; Corsica.

Neanura costaricae (Stach) 1951

1951. *Biloba costaricae* Stach (1890) p. 29; Costa Rica.

Neanura dextra Gisin, 1954

TYPE: Mus. Hist. Nat., Geneva.

1954. *Neanura* (*Lathriopyga*) *dextra* Gisin (887) p. 50; Austria.
1960. *Neanura dextra* Gisin (2271) p. 105, fig. 211; Austria.

Neanura dubiosa Ritter, 1911

1911. *Neanura dubiosa* Ritter (1661) p. 397, figs. 55, 56; India.

Neanura echinata (Kos) 1940

1940. *Achorutes echinatus* Kos (1197) p. 140, figs. 1, 2–9; Yugoslavia.
1951. *Biloba echinata* Stach (1890) p. 27; Yugoslavia.
1960. *Neanura echinata* Gisin (2271) p. 99; Yugoslavia.

Neanura esakii (Uchida) 1944

1944. *Achorutes esakii* Uchida (2021) p. 3, Pl. II; Micronesia.
1957. *Achorutes esakii* Uchida (2041) p. 18; Micronesia.

Neanura floridae (Latzel) 1917

1917. *Achorutes floridus* Latzel (1249) p. 236; Austrian Alps.
1922. *Achorutes floridus* Latzel (1250) p. 55; Austria.

Neanura fodinarum Yosii, 1956

1956. *Neanura* (*Neanura*) *fodinarum* Yosii (2235) p. 45, Pl. XXII, fig. 134, Pl. XXIII, figs. 135–138; Japan.
1957. *Neanura fodinarum* Nomura (1499) p. 66; Japan.
1959. *Neanura fodinarum* Yosii (2355) p. 16; Japan.

Neanura fortis (Oudemans) 1890

1890. *Anura fortis* Oudemans (1512) p. 91; Sumatra.
1898. *Neanura fortis* Schäffer (1737) p. 399; Bismarck Archipelago; Sunda Is.
1901. *Anura fortis* Schött (1771) p. 317; Dutch New Guinea; Sumatra; Java; Saleyer Is.; Ralum.
1925. *Achorutes fortis* Handschin (985) p. 266; Java; Sumatra; New Guinea.
1928. *Achorutes fortis* Handschin (1001) p. 266; Sumatra; Java.
1938. *Achorutes fortis* Handschin (1011) p. 140; Bismarck Archipelago.
1959. *Anoura fortis* Yosii (2355) p. 18; Sumatra; Java.

Neanura gladiolifer Cassagnau, 1954

TYPE: Author Colln., Fac. Sci., Univ. Toulouse, France.

1954. *Neanura gladiolifer* Cassagnau (417) p. 29, fig. 2 A-D; Spain.
1958. *Neanura gladiolifer* Murphy (1476) p. 524; Algeria.
1960. *Neanura gladiolifer* Gisin (2271) p. 102, fig. 209; Spain.

Neanura granulata Cassagnau and Delamare Deboutteville, 1955

TYPE: Author. Colln., Fac. Sci., Univ. Nancy, France.

1955. *Neanura granulata* Cassagnau and Del. Deb. (428) p. 376, fig. 6; Lebanon.
1960. *Neanura granulata* Gisin (2271) p. 103.

Neanura hirta (Joseph) 1882

1882. *Anoura hirta* Joseph (1150) p. 31; Germany.

Neanura hirtella (Börner) 1906

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1906. *Achorutes hirtellus* Börner (243) p. 170; Java.
1925. *Achorutes hirtellus* Handschin (985) p. 266; Java.
1926. *Achorutes hirtellus* Handschin (993) p. 452, fig. 3; Java.
1928. *Achorutes hirtellus* Handschin (1001) p. 266; Java.
1929. *Achorutes hirtellus* Handschin (1006) p. 236; Sth. India.
1933. *Achorutes hirtellus* Womersley (2176) p. 65, fig. 7 a-c; Australia.
1934. *Achorutes hirtellus* Denis (647) p. 120; Indo-China.
1935. *Neanura hirtellus* Carpenter (400) p. 369; Marquesas.
1938. *Achorutes hirtellus* Handschin (1011) p. 140; Marquesas and Society Is.
1948. *Achorutes hirtellus* Denis (676) p. 207, fig. 8; Remarks on determination; Indo-China.
1959. *Lobella* (*Propeanura*) *hirtella* Yosii (2355) p. 11, fig. 7; Singapore.
1959. *Propeanura hirtella* Yosii (2355) p. 17; Japan?

Neanura hirtella cirrata (Schött) 1917

TYPE: Swed. Mus. Nat. Hist., Stockholm, Sweden.

1917. *Achorutes hirtellus cirratus* Schött (1774) 60 pp.; Australia.
1939. *Achorutes hirtellus cirratus* Womersley (2190) p. 122, figs. 48 C-G, J-M; Australia.
1941. *Neanura hirtella cirrata* Salmon (1676) p. 307, Pl. 46, figs. 112–113; New Zealand; Australia.

1942. *Neanura hirtellus cirratus* Womersley (2193) p. 24; Australia.

Neanura hirtella novae-zealandiae Salmon, 1941

TYPE: Dom. Mus., Wellington, New Zealand.
1941. *Neanura hirtella novae-zealandiae* Salmon (1676) p. 307, Pl. 46, figs. 114–116; New Zealand.
1944. *Neanura hirtella novae-zealandiae* Salmon (1683) p. 141; New Zealand.

Neanura hirtella schoetti (Womersley) 1935

COTYPES: Sth. Austr. Mus., Adelaide.
1935. *Achorutes hirtellus schötti* Womersley (2181) p. 210; Australia; New Zealand.
1941. *Neanura hirtella schötti* Salmon (1676) p. 307, figs. 109–111; New Zealand.

Neanura hirtellus wellingtonia (Womersley) 1936

COTYPES: Sth. Austr. Mus., Adelaide.
1936. *Achorutes hirtellus wellingtonia* Womersley (2182) p. 477, fig. 2 a-d; Australia.
1951. *Biloba wellingtonia* Stach (1890) p. 33; Tasmania.

Neanura incolorata (Stach) 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Biloba incolorata* Stach (1890) pp. 31, 56, Pl. XI; Carpathians.
1955. *Neanura incolorata* Stach (1893) p. 65; Carpathians.
1958. *Neanura ?incolorato* Kholova (1169) p. 234; Bohemia.
1960. *Neanura incolorata* Gisin (2271) p. 101; Carpathians.
1960. *N. (Neanura) incolorata* Grindbergs (2373) p. 32; U.S.S.R.

Neanura infernalis (Joseph) 1882

1882. *Anoura infernalis* Joseph (1150) p. 30; Europe.

Neanura insularum Carpenter, 1935

LECTOTYPE AND SYNTYPES: Manchester Mus., England.
1935. *Neanura insularum* Carpenter (400) p. 369, fig. 4; Marquesas.
1935. *Neanura insularum* Carpenter (399) p. 135; Society Islands.
1938. *Achorutes insularum* Handschin (1011) p. 140; Marquesas Islands.
1940. *Neanura insularum* Mumford (1472) p. 270; Marquesas Islands.
1951. *Biloba insularum* Stach (1890) p. 30; Systematics.
1959. *Neanura insularum* Yosii (2355) p. 18; Marquesas Islands.

Neanura japonica (Börner) 1909

TYPE: Brit. Mus. Nat. Hist., London.
1909. *Achorutes japonicus* Börner (246) p. 107; Japan.
1938. *Achorutes japonica* Uchida (2015) p. 7; Japan.
1957. *Achorutes japonicus* Uchida (2041) p. 18; Japan.
1959. *Neanura japonica* Yosii (2355) p. 18; Japan.

Neanura kuehnelti Gisin, 1954

TYPE: Mus. Hist. Nat., Geneva.
1954. *Neanura (Lathriopyga) kühnelti* Gisin (887) p. 49; Austria.
1960. *Neanura (Lathriopyga) kühnelti* Gisin (2271) p. 106, fig. 212; Austria.

Neanura limnophila Cassagnau and Rapoport, 1962

1962. *Neanura limnophila* Cassagnau and Rapoport (2446) p. 181, figs. 27, 28; Sth. America.

Neanura longiseta (Caroli) 1910

1910. *Achorutes longisetus* Caroli (359) p. 321; Italy.
1936. *Achorutes longisetus* Tarsia in Curia (1951) p. 20; Italy.
1960. *Neanura longiseta* Gisin (2271) p. 105; Italy and and Corsica.

Neanura longiseta flava (Caroli) 1910

HYPOTYPES Lab. Zool., Fac. Sci., Dijon, France.
1910. *Neanura longiseta flava* Caroli (359) p. 321; Italy.
1912. *Achorutes longisetus flava* Caroli (361) p. 365; Italy.

Neanura ludovicae (Denis) 1948

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1948. *Achorutes ludovicae* Denis (677) p. 3, fig. 2; Corsica.
1952. *Lathriopyga ludovicae* Gisin (882) p. 7; Corsica.
1960. *Neanura ludovicae* Gisin (2271) p. 106; Corsica.

Neanura macgillivrayi (Denis) 1933

1933. *Achorutes macgillivrayi* Denis (645) p. 225, figs. 7–9; Costa Rica.
1951. *Biloba macgillivrayi* Stach (1890) p. 30; Systematics; Costa Rica.

Neanura magna (MacGillivray) 1893

1893. *Anoura magna* MacGillivray (1342) p. 128; Nth. America.
1916. *Neanura magna* Folsom (787) p. 510, Pl. 23, figs. 229, 230, Nth. America.

Neonura mandarina Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Neanura (Propeanura) mandarina* Yosii (2235) p. 47, Pl. XXIV, figs. 139, 140; Japan.

Neanura multatuberculata Coleman, 1941

1941. *Neanura multatuberculata* Coleman (458) p. 7, figs. 23–26; Sth. California.

Neanura muscorum (Templeton) 1835

COTYPE: Swed. Mus. Nat. Hist., Stockholm.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1835. *Achorutes muscorum* Templeton (1957) p. 97, Pl. XII, fig. 6; Ireland.
1839. *Achorutes muscorum* Burmeister (339) p. 448; Europe.
1840. *Achorutes muscorum* Lucas (1326) p. 567; Brief descr.
1842. *Achorutes tuberculatus* Nicolet (1493) p. 51; Europe.
1842. *Anoura tuberculata* Gervais (840) p. 48; Paris.
1844. *Achorutes muscorum* Gervais (841) p. 437; Cranmore, Ireland.
1844. *Achorutes muscorum* Lucas (1327) p. 295; Reference only.
1847. *Anoura muscorum* Nicolet (1496) p. 388; Ireland; probably = *Anoura tuberculata.*
1849. *Achorutes muscorum* Lucas (1329) p. 376; Algeria.
1859. *Anura crassicornis* Müller (1468) p. 26; Europe.
1859. *Anura muscorum* Müller (1468) p. 32; Ireland.
1860. *Anura nigra* Wankel (2100) p. 201; Austria; Czechoslovakia.
1862. *Anoura muscorum* Lubbock (1315) p. 600; England.
1867. *Podura tuberculata ?* Saunders (1727) p. 85; England, in melted snow puddles.
1869. *Anura muscorum* Tullberg (2001) p. 21; Scandinavia.
1871. *Anura muscorum* Tullberg (2002) p. 155; Sweden.
1872. *Anura muscorum* Tullberg (2003) p. 58, Pl. XII, figs. 18–24; Sweden.

1873. *Anoura muscorum* Lubbock (1318) p. 197; Europe.
1873. *Anura gibbosa* Packard (1521) p. 23; Massachusetts.
1876. *Anura muscorum* Reuter (1628) p. 83; Finland.
1876. *Anura muscorum* Tullberg (2004) p. 41; Sweden; Siberia.
1878. *Anoura muscorum* Parona (1557) p. 610; Italy.
1879. *Anoura muscorum* Parona (1557) p. 559; Italy.
1887. *Anura muscorum* Oudemans (1510) p. 98; Holland.
1888. *Anoura muscorum* Dalla Torre (497) p. 145; Tyrol.
1888. *Anoura muscorum* Parona (1563) p. 144; Italy.
1890. *Anura muscorum* Reuter (1638) p. 20; Finland; Habitat.
1891. *Anoura gibbosa* MacGillivray (1341) p. 267; Nth. America.
1891. *Anoura muscorum* Parfitt (1550) p. 350; England.
1891. *Anoura muscorum* Uzel (2050) p. 76; Bohemia.
1893. *Neanura muscorum* MacGillivray (1342) p. 314; Nth. America.
1893. *Neanura tuberculata* MacGillivray (1342) pp. 127, 313; Nth. America.
1893. *Anoura muscorum* Schött (1765) p. 93; Sweden; Siberia; Finland.
1895. *Neanura muscorum* Dalla Torre (498) p. 1; Systematics.
1895. *Anura muscorum* Reuter (1643) p. 34; Finland; Europe; Nth. America; Siberia?
1896. *Anoura sextuberculata* Harvey (1033) p. 422; Nth. America.
1896. *Anura muscorum* Lie-Pettersen (1281) p. 21; Norway.
1896. *Anoura muscorum* Meinert (1399) p. 172; Greenland; Distribution.
1896. *Neanura muscorum* Schäffer (1735) p. 159; Classification.
1897. *Neanura muscorum* Poppe and Schäffer (1607) p. 266; Germany.
1897. *Neanura muscorum* Schäffer (1735) p. 159; Germany.
1898. *Anura muscorum* Lie-Pettersen (1282) p. 15; Norway.
1898. *Neanura muscorum* Scherbakow (1750) p. 58; Kiev, Russia.
1898. *Neanura muscorum* Scherbakow (1751) p. 1; Kiev, Russia.
1899. *Neanura muscorum* Carl (351) p. 1; France; Switzerland.
1899. *Neanura muscorum* Carl (352) p. 279; Switzerland; Synonymy.
1899. *Anura muscorum* Carpenter and Evans (402) p. 260; Scotland.
1899. *Anura muscorum* Lie-Pettersen (1283) p. 11; Norway.
1900. *Neanura muscorum* Absolon (8) p. 406; Discussion.
1900. *Anoura muscorum* Carpenter (368) p. 277; Greenland.
1900. *Neanura muscorum* Schäffer (1738) p. 240; N.W. Siberia; Greenland; Nth. coast Norway; Europe and Nth. America.
1900. *Neanura muscorum* Schäffer (1739) p. 246; Germanv
1900. *Anura muscorum* Skorikow (1833) p. 198; Spitzbergen.
1900. *Neanura muscorum* Vellay (2056) p. 21; Hungary.
1900. *Neanura muscorum* Wahlgren (2077) p. 375; Greenland.
1900. *Anura muscorum* Willem (2123) p. 34, Pl. VII; Systematics.
1901. *Neanura muscorum* Absolon (11) p. 38; Czechoslovakia.
1901. *Neanura muscorum* Absolon (12) p. 97; Systematics.
1901. *Neanura muscorum* Absolon (15) p. 584, figs. 5, 6; Czechoslovakia.
1901. *Neanura muscorum* Absolon (16) p. 82; Locality; Pyreneés; France.
1901. *Neanura muscorum* Börner (234) p. 38; Descrip.; Central Europe.
1901. *Anura muscorum* Boyd (268) p. 317; Scotland.
1901. *Neanura muscorum* Carl (354) p. 246; Switzerland.
1901. *Anura muscorum* Evans (739) p. 156; Scotland.
1901. *Anura muscorum* Evans (740) p. 154; Scotland.
1901. *Neanura muscorum* Folsom (799) p. 159; Eastern U.S.A.
1901. *Neanura muscorum* Krausbauer (1204) p. 94; Germany.
1901. *Neanura muscorum* Viré (2062) p. 107; France; caves.
1902. *Neanura muscorum* Becker (158) p. 25; Russia.
1902. *Neanura muscorum* Börner (235) p. 105, figs. 10 and 11; Systematics.
1902. *Anura muscorum* Skorikow (1835) p. 92; Spitzbergen.
1902. *Neanura muscorum* Willem (2130) p. 11; Morphology.
1903. *Neanura muscorum* Ågren (55) p. 127; Add. descrip.; Sweden.
1903. *Neanura muscorum* Guthrie (951) p. 100, Pl. XII, figs. 12–14; Orig. descr., remarks; Minnesota.
1904. *Neanura muscorum* Ågren (56) p. 10; Lapland.
1904. *Neanura muscorum* Axelson (79) p. 68; Norway.
1905. *Neanura muscorum* Axelson (81) p. 27; Tvarminne.
1905. *Neanura muscorum* Axelson (82) p. 9; Reval, Russia.
1906. *Anoura muscorum* Bagnall (98) p. 242; Ecology.
1906. *Achorutes muscorum* Börner (243) pp. 156 and 170; Europe.
1906. *Neanura muscorum* Börner (243) p. 170; Europe.
1906. *Neanura muscorum* Lie-Pettersen (1284) p. 58; Norway.
1906. *Neanura muscorum* Navas (1483) p. 162; Spain.
1906. *Neanura muscorum* Wahlgren (2080) p. 248, fig. 16; Sweden.
1907. *Neanura muscorum* Axelson (83) p. 129; Finland.
1907. *Neanura muscorum* Axelson (84) p. 15; North Finland.
1907. *Neanura muscorum* Wahlgren (2082) p. 222; Torne Lappmark, Norway.
1908. *Neanura muscorum* Schille (1755) p. 8; Poland.
1909. *Anura muscorum* Nielsen (1498) p. 378; Greenland.
1909. *Anura muscorum* Shoebotham (1818) p. 58; Gen. Economics.
1910. *Neanura muscorum* Collinge (464) p. 8; England.
1910. *Neanura muscorum* Collinge and Shoebotham (472) p. 105; England.
1911. *Achorutes muscorum* Axelson (1291) p. 9; Norway.
1912. *Achorutes muscorum* Axelson (1292) p. 79; Finland.
1912. *Achorutes muscorum* Caroli (361) p. 359, figs. 2, 26; Add. descr.; Italy.
1912. *Neanura muscorum* Dahl (496) p. 427; Ecology.
1912. *Neanura muscorum* Schille (1756) p. 7; Galicia.
1912. *Neanura muscorum* Schille (2394) p. 127; Poland.
1913. *Neanura muscorum* Barber (142) p. 49; Luminous Collembola.

1914. *Neanura muscorum* Shoebotham (1820) p. 61; Ireland.
1916. *Neanura muscorum* Bartholin (149) p. 183; Denmark.
1916. *Neanura muscorum* Carr (407) p. 64; England.
1916. *Neanura muscorum* Folsom (787) p. 508, Pl. VII, fig. 4, Pl. XXIII, figs. 222–225; Nth. America.
1917. *Achorutes muscorum* Shoebotham (1823) p. 220; England.
1918. *Neanura muscorum* Brown (296) p. 186; England.
1918. *Neanura muscorum* Henriksen and Lundbeck (1044) p. 740; Greenland; Synonymy.
1919. *Achorutes muscorum* Wahlgren (2089) p. 750; Sweden.
1920. *Achorutes muscorum* Stach (1859) p. 141; Poland and Europe; Siberia; Greenland; North America.
1921. *Neanura muscorum* Brown (301) p. 143; Isle of Wight.
1921. *Achorutes muscorum* Denis (607) p. 124; France.
1922. *Achorutes muscorum* Denis (609) p. 111; Ile de Yeu, France.
1923. *Neanura muscorum* Womersley (2147) p. 31; S.W. England.
1924. *Achorutes muscorum* Denis (614) p. 290; France.
1924. *Achorutes muscorum* Handschin (981) p. 99; Switzerland.
1925. *Achorutes muscorum* Denis (617) p. 210; Italy.
1925. *Achorutes muscorum* Handschin (986) p. 231; Germany; Palaearctic and Nearctic.
1926. *Neanura muscorum* Womersley (2154) p. 375; S.W. England.
1927. *Achorutes muscorum* Denis (629) p. 187; Italy.
1927. *Achorutes muscorum* Handschin (999) p. 298; Westphalian peat bogs.
1927. *Achorutes muscorum* Womersley (2155) p. 39; Sevenake Forest.
1928. *Achorutes muscorum* Handschin (1002) p. 537; Mexico
1928. *Achorutes muscorum* Handschin (1003) p. 125; East Prussia.
1928. *Achorutes* (*Neanura*) *muscorum* Jackson (1121) p. 301; Britain.
1928. *Achorutes muscorum* Krausse (1206) p. 117; Ecology.
1928. *Achorutes muscorum* Remy (1625) p. 62; Greenland.
1929. *Achorutes muscorum* Bonet (199) p. 11; Spain.
1929. *Achorutes muscorum* Bonet (200) p. 797; Spain.
1929. *Achorutes muscorum* Handschin (1008) p. 41; Europe; Siberia; Greenland; North America.
1929. *Neanura muscorum* Spencer and Stracener (1855) p. 642; Economic (in sugar cane).
1929. *Achorutes conjunctus* Stach (1869) p. 282; Europe; North America; Siberia.
1929. *Achorutes muscorum* Stach (1871) p. 272; Germany.
1930. *Achorutes muscorum* Buitendijk (334) p. 55; Holland.
1930. *Neanura muscorum* Kel'shtein (1161) p. 76; Russia.
1930. *Achorutes muscorum* Womersley (2168) p. 171; Ireland.
1931. *Achorutes muscorum* Bonet (205) p. 301; France; Moravia; Spain, *caves;* Hungary.
1931. *Achorutes muscorum* Denis (638) p. 101; Costa Rica.
1931. *Achorutes muscorum* Denis (639) p. 208; List of references; Germany.
1931. *Achorutes muscorum* Lindroth (1286) p. 128; Iceland.
1932. *Achorutes muscorum* Brown (312) p. 332; North Canada.
1932. *Achorutes muscorum* Stammer (1897) p. 610; Ecology.
1933. *Achorutes muscorum* Denis (644) p. 211; Yugoslavia.
1933. *Achorutes muscorum* Denis (645) p. 228; Costa Rica.
1933. *Neanura muscorum* James (1124) p. 92; Canada.
1933. *Neanura muscorum* Mills and Rolfs (1431) p. 78; Washington.
1933. *Achorutes muscorum* Schubert (1787) p. 181; Ecology.
1933. *Achorutes muscorum* Schubert (1789) p. 1; Germany.
1933. *Achorutes muscorum* Turk (2007) p. 93; Britain.
1934. *Achorutes muscorum* Agrell (37) p. 220; Ecology; Sweden.
1934. *Achorutes muscorum* Davies (522) p. 118; Wales.
1934. *Achorutes muscorum* Durkop (707) p. 495; Finland; Germany.
1934. *Neanura muscorum* Mills (1417) p. 29; Iowa.
1934. *Anura muscorum* Perrier (1576) p. 35; France.
1935. *Achorutes muscorum* Denis (652) p. 330; Yugoslavia.
1935. *Achorutes muscorum* Pax and Maschke (1573) p. 46; Europe.
1935. *Achorutes muscorum* Schubert (1790) p. 94; Europe.
1935. *Achorutes muscorum* Schubert (1791) pp. 106–, 198–, 367–; Germany.
1935. *Achorutes muscorum* Stammer (1899) p. 178; Germany.
1936. *Achorutes muscorum* Bornebusch (227) p. 39; Denmark.
1936. *Achorutes muscorum* Stammer (1900) p. 211; Alpine.
1936. *Achorutes muscorum* Tarsia in Curia (1951) p. 20; Italy.
1936. *Achorutes muscorum* Womersley (2183) p. 320; New Zealand.
1937. *Achorutes muscorum* Frenzel (828) p. 296, fig. 121; Ecology.
1937. *Achorutes muscorum* Hammer (966) p. 10; East Greenland.
1937. *Achorutes muscorum* Kseneman (1217) p. 467; Carpathians.
1937. *Achorutes muscorum* Schubert (1792) p. 125; Palearctic; Nearctic.
1937. *Achorutes muscorum* Womersley (2188) p. 154; Tasmania.
1938. *Neanura muscorum* Brimley (275) p. 15; North Carolina.
1938. *Achorutes muscorum* Hammer (968) p. 12; East Greenland.
1938. *Achorutes muscorum* Kseneman (1219) p. 108; Spieglitzer snow mountains.
1938. *Achorutes muscorum* Kseneman (1220) p. 11; Europe; Siberia; America.
1938. *Achorutes muscorum* Lengersdorf (1276) p. 146; Germany, caves.
1938. *Neanura muscorum* Mills (1421) p. 15; North Carolina.
1939. *Achorutes muscorum* Agrell (41) p. 2; Madeira Is.; Dist. Paleaearctic, Nearctic.
1939. *Neanura muscorum* Mills (1422) p. 159; North America.
1939. *Achorutes muscorum* Womersley (2190) p. 121; Australia; Tasmania.

1940. *Achorutes muscorum* Harvey (2374) p. 1; Physiology (Bioluminescence).
1941. *Achorutes muscorum* Agrell (46) p. 19; Swedish Lapland.
1941. *Achorutes muscorum* Buitendijk (336) p. 25; brief descr.; Netherlands; Europe; Siberia; North America; Greenland.
1941. *Achorutes muscorum* Griepenburg (945) p. 97; Germany.
1941. *Neanura muscorum* Salmon (1676) p. 306, figs. 104–105; Descr.; New Zealand.
1942. *Achorutes muscorum* Handschin (1012) p. 404; Palestine.
1942. *Achorutes muscorum* Marlier (1375) p. 8; Belgium.
1942. *Achorutes muscorum* Miles (1408) p. 247; Oxford, England.
1942. *Achorutes muscorum* Muhlmann (1467) p. 193; Europe.
1942. *Neanura muscorum* Scott (1796) p. 178; West U.S.A.
1942. *Neanura muscorum* Womersley (2193) p. 24; New Zealand.
1943. *Achorutes muscorum* Agrell (47) p. 124; Sweden.
1943. *Neanura muscorum* Gisin (853) p. 150; Switzerland.
1943. *Neanura muscorum* Salmon (1680) p. 377; New Zealand.
1944. *Anura muscorum* Colas (456) p. 37, Pl. XII, figs. 191, 192, text fig. 4; France.
1944. *Achorutes muscorum* Hammer (969) p. 61; North America; Greenland; Iceland; Lapland; Arctic Siberia; Finland; Europe.
1945. *Achorutes muscorum* Agrell (50) p. 10; Sweden; Norway; Habitats.
1946. *Neanura muscorum* Pearse (1575) p. 139; Ecology.
1947. *Achorutes muscorum* Del. Deb. (550) p. 134; France.
1947. *Achorutes muscorum* Hemming (1040) p. 584; Taxonomy.
1948. *Achorutes muscorum* Leleup (1270) p. 10; Belgium.
1949. *Achorutes muscorum* Schaller (1742) p. 268; Ecology.
1949. *Achorutes muscorum* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Neanura muscorum* Del. Deb. (570) pp. 44, 238; France.
1950. *Neanura muscorum* Wray etc. (2216) p. 61; Utah.
1951. *Achorutes muscorum* Cassagnau Del. Deb. (425) p. 1; Mid-France.
1951. *Achorutes muscorum* Del. Deb. and Cassagnau (593) p. 400; France.
1951. *Neanura muscorum* Maynard (1393) p. 66, Pl. I, fig. 2; Pl. VII, figs. 121–123; Descr.
1951. *Achorutes muscorum* Praport (1610) p. 140; Poland.
1951. *Neanura muscorum* Schaller (1746) pp. 464, 481; Ecology.
1951. *Biloba muscorum* Stach (1890) p. 41, Pl. IV; Revised descr.; Distribution.
1951. *Neanura muscorum* Wilkey (2120) p. 79; Colorado.
1952. *Neanura muscorum* Hammer (971) p. 413; Soil, Greenland.
1952. *Achorutes muscorum* Harvey (1025) p. 368; Bioluminescence.
1952. *Neanura (Achorutes) muscorum* Harvey (1025) p. 368; Bioluminescence.
1952. *Neanura muscorum* MacFadyen (1337) p. 110; England; Habitat.
1952. *Achorutes muscorum* Mihelcic (1406) p. 96; Ecology.
1954. *Neanura muscorum* Bellinger (174) p. 19; Connecticut.
1954. *Neanura muscorum* Cassagnau (417) p. 29, Pl. I, figs. 1 and 2; France, High Pyrenees.
1954. *Neanura muscorum* Trave (2000) p. 209; France.
1955. *Neanura muscorum* Cassagnau (422) p. 139, fig. 2 F.
1955. *Achorutes muscorum* Chopard (434) p. 18, Pl. I, fig. 11; France.
1955. *Neanura (Biloba) muscorum* Goto (918) p. 31; British Isles.
1955. *Neanura muscorum* Goto (921) p. 267; Britain.
1955. *Achorutes muscorum* Mills (1428) p. 102; Proposed type species.
1955. *Achorutes muscorum* Paclt (1539) p. 265; Nomenclature.
1955. *Neanura muscorum* Stach (1893) p. 64, fig. 137; Holarctic.
1955. *Neanura muscorum* Strenzke (1926) p. 28; Germany; Finland.
1956. *Neanura muscorum* Bockemuhl (193) p. 134; Spitzbergen.
1956. *Neanura muscorum* Gisin (895) p. 12; Geneva.
1956. *Neanura (Neanura) muscorum* Husmann (1084) p. 144; Germany.
1956. *Achorutes (Neanura) muscorum* Int. Com. (1102) p. 428; Official list of Specific Names.
1956. *Achorutes muscorum* Paclt (1540) p. 355; Europe.
1956. *Achorutes muscorum* Paclt (1541) pp. 11–, 83, 84; Biology.
1956. *Neanura muscorum* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Neanura muscorum* Wray and Knowlton (2214) p. 2; Idaho.
1957. *Neanura muscorum* Bodvarsson (2252) p. 14; Iceland.
1957. *Neanura muscorum* Gunhold (2280) p. 473; Ecology.
1957. *Biloba muscorum* Haarlov (2281) p. 9; Denmark; Habitat.
1957. *Neanura muscorum* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Neanura muscorum* Grindbergs (2277) p. 193; Latvia.
1958. *Achorutes (Neanura) muscorum* Int. Com. (2378) p. 123; Official list of Specific Names.
1958. *Neanura muscorum* Kholova (1169) p. 234; Bohemia.
1958. *Neanura muscorum* Mrohs (1463) p. 331; Ecology.
1958. *Neanura muscorum* von Torne (1993) p. 662; Austria.
1959. *Biloba muscorum* Da Gama (494) p. 16; Madeira.
1959. *Neanura muscorum* Da Gama (2266) p. 10; Portugal.
1959. *Neanura muscorum* Franz and Gunhold etc. (2369) p. 50; Communities.
1959. *Neanura muscorum* Haybach (2375) Tab. VIII; Ecology.
1959. *Neanura muscorum* Lawrence (2294) p. 119; England.
1959. *Neanura muscorum* Paclt (2317) p. 338; Czechoslovakia.

1959. *Neanura muscorum* Poole (1604) p. 73; Food of Collembola.
1959. *Neanura muscorum* Stach (1896) p. 9–; Poland.
1959. *Neanura muscorum* Wilkey (2350) p. 222; California.
1960. *Neanura muscorum* Bellinger (2411) p. 254; Physiology.
1960. *Neanura muscorum* Gisin (2271) p. 100, figs. 205, 206; Europe; North Africa; Azores; Greenland.
1960. *N. (Neanura) muscorum* Grindbergs (2373) p. 31; U.S.S.R.
1960. *Neanura muscorum* Milne (2384) p. 137; on Life History.

Neanura muscorum alpestris (Latzel) 1917

1917. *Achorutes muscorum alpestris* Latzel (1249) p. 236; Austria, Alps.

Neanura muscorum purpurascens Axelson, 1905

1905. *Neanura muscorum purpurascens* Axelson (80) p. 790; Finland.
1907. *Neanura muscorum purpurascens* Axelson (83) p. 129; Finland.
1912. *Achorutes muscorum purpurascens* Axelson (1292) p. 80; Finland.

Neanura natalensis (Womersley) 1934

COTYPES: Sth. Austr. Mus., Adelaide.
1934. *Achorutes natalensis* Womersley (2177) pp. 451, 468, fig. 4, a-c; Sth. Africa.

Neanura newmani (Womersley) 1933

COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Achorutes newmani* Womersley (2176) p. 63, fig. 7, d-e; Australia.
1935. *Achorutes newmani* Womersley (2181) p. 210; Australia.
1939. *Achorutes newmani* Womersley (2190) p. 121, fig. 48, H-I; Australia.
1941. *Neanura newmani* Salmon (1676) p. 306, figs. 106–108; New Zealand.
1943. *Neanura newmani* Salmon (1680) p. 377; North Island, New Zealand.
1951. *Biloba newmani* Stach (1890) p. 29; West and South Australia.

Neanura novae-caledoniae Yosii, 1960

1960. *Neanura novae-caledoniae* Yosii (2408) p. 10, figs. 2 and 3; New Caledonia.

Neanura oniscoides (Latzel) 1917

1917. *Achorutes oniscoides* Latzel (1249) p. 237; Austrian Alps.
1920. *Achorutes carolii* Stach (1859) p. 141; Poland; cf. Denis (645).
1922. *Achorutes oniscoides* Latzel (1250) p. 55; Austrian Alps.
1930. *Achorutes oniscoides* Stach (1869) p. 283; Poland; Germany.
1933. *Achorutes carolii* Denis (645) p. 230; Poland; Synonymy.
1937. *Achorutes oniscoides* Frenzel (828) p. 296; Ecology.
1937. *Achorutes oniscoides* Kseneman (1217) p. 467; Carpathians.
1941. *Achorutes oniscoides* Szent-Ivany (1947) p. 21; Hungary.

Neanura pallida (Willem) 1902

1902. *Biclavella pallida* Willem (2130) p. 10, Pl. III, figs. 4–6; Antarctic.

Neanura parva (Stach) 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Biloba parva* Stach (1890) p. 48, Pl. V; Poland; Hungary; Tyrol.
1955. *Neanura parva* Stach (1893) p. 65, fig. 138; Poland; Hungary; Tyrol.
1958. *Neanura parva* von Torne (1993) p. 662; Austria.
1959. Neanura parva Stach (1896) p. 9–; Poland.
1960. *Neanura parva* Gisin (2271) p. 99; Europe.
1960. *N. (Neanura) parva* Grindbergs (2373) p. 31; U.S.S.R.

Neanura patagonica Wahlgren, 1900

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1900. *Neanura patagonica* Wahlgren (2078) p. 269; ogy.
1902. *Biclavella pallida* Willem (2130) p. 1–; Antarctic.
1907. *Biclavella patagonica* Wahlgren (2085) p. 192; Proposes new name and discusses synonymy.

Neanura persimilis Mills, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Neanura persimilis* Mills (1417) p. 30, fig. 70; Iowa.
1938. *Neanura persimilis* Brimley (275) p. 14–; North Carolina.
1938. *Neanura persimilis* Mills (1421) p. 15; North Carolina.
1946. *Neanura persimilis* Pearse (1575) p. 139; Ecology.
1950. *Neanura persimilis* Wray (2216) p. 61; Utah.
1951. *Neanura muscorum persimilis* Maynard (1393) p. 67; Pl. VII, fig. 124; New York.
1951. *Biloba persimilis* Stach (1890) p. 28; U.S.A.—Iowa, Texas.

Neanura pini Becker, 1948

1948. *Neanura pini* Becker (167) p. 34; U.S.S.R.
1960. *Neanura pini* Grindbergs (2373) p. 64; U.S.S.R.

Neanura pseudoquadrioculata (Stach) 1951

TYPE: Inst. Zool., Pol. Acad. Sci., Cracow, Poland.
1903. *Neanura quadrioculata* Guthrie (951) p. 101, Pl. XII, fig. 15; Minnesota.
1951. *Biloba pseudoquadrioculata* Stach (1890) p. 31; Maryland; *nom. nov.*

Neanura pterothrix (Börner) 1909

1909. *Achorutes pterothrix* Börner (246) p. 107; Japan.
1938. *Achorutes ptenothrix* Uchida (2015) p. 7; *lapsus calami;* Japan.
1956. *Neanura pterothryx* Yosii (2234) p. 619, fig. 8; Japan.
1956. *Neanura pterothryx* Yosii (2235) p. 47; Japan.
1957. *Achorutes pterothrix* Uchida (2041) p. 18; Japan.
1959. *Propeanura pterothryx* Yosii (2355) p. 17; Japan.

Neanura pudibunda Imms, 1912

TYPE: Indian Museum, Calcutta, India.
1912. *Neanura pudibunda* Imms (1090) p. 86, Pl. VI, figs. 10–12; India.
1931. *Neanura pudibunda* Bonet (205) p. 252; Spain.

Neanura pyrenaea Selga, 1959

TYPE: Lab. Biol. Aplic., Univ. Barcelona, Spain.
1959. *Neanura (Bilobella) pryenaea* Selga (2332) p. 76, figs. 3–4; Pyrenees.

Neanura radiata Salmon, 1941

TYPE: Dom. Mus., Wellington, New Zealand.
1941. *Neanura radiata* Salmon (1676) p. 308, Pl. 47, figs. 117–120; New Zealand.
1942. *Neanura radiata* Womersley (2193) p. 24; N.Z.

Neanura reticulata Axelson, 1905

TYPE: Zool. Mus., Univ. Helsinki, Finland.
1905. *Neanura reticulata* Axelson (80) p. 790; Finland.
1907. *Neanura reticulata* Axelson (83) p. 129; Finland.
1912. *Achorutes reticulatus* Axelson (1292) p. 82; Finland; Diagnosis.
1924. *Achorutes reticulatus* Handschin (981) p. 100; Switzerland.
1928. *Achorutes reticulatus* Handschin (1003) p. 125; Boreoalpine form.
1928. *Achorutes reticulatus* Handschin (1005) p. 5; Algeria.
1929. *Achorutes reticulatus* Handschin (1008) p. 40; Finland; Switzerland.
1932. *Achorutes reticulatus* Kseneman (1211) p. 13; Europe.
1934. *Achorutes reticulatus* Womersley (2177) p. 468; Abyssinia.
1938. *Achorutes reticulatus* Kseneman (1220) p. 11; Finland; Czechoslovakia.
1943. *Achorutes reticulatus* Agrell (47) p. 124; Sweden.
1949. *Achorutes reticulatus* Strenzke (1922) p. 206; Germany.
1951. *Neanura reticulata* Stach (1890) p. 38; Taxonomy.

Neanura rosacea (Schött) 1917

PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Achorutes rosaceus* Schött (1774) p. 7, figs. 7, 8; Nth. Queensland.
1933. *Achorutes rosaceus* Womersley (2176) p. 63; Australia.
1937. *Achorutes rosaceus* Womersley (2184) p. 205; New Hebrides.
1938. *Achorutes rosaceus* Handschin (1011) p. 140; New Hebrides.
1939. *Achorutes rosaceus* Womersley (2190) p. 122, fig. 48, A-B; Australia.
1941. *Neanura rosacea* Salmon (1676) p. 306, fig. 121; New Zealand.
1943. *Neanure rosacea* Salmon (1680) p. 377; New Zealand.
1951. *Neanura rosacea* Stach (1890) p. 38; Taxonomy.
1959. *Neanura rosacea* Yosii (2355) p. 18; Queensland.

Neanura rosea (Gervais) 1842

1842. *Anoura rosea* Gervais (840) Pl. XLVII; Paris; original description.
1844. *Anoura rosea* Gervais (841) p. 445; Short note.
1847. *Anoura rosea* Nicolet (1496) p. 388, Pl. VI, fig. 16; Europe.
1859. *Anura rosea* Muller (1468) p. 32; Paris.
1873. *Anoura rosea* Lubbock (1318) p. 199; Gervais' description.
1887. *Anura rosea* Oudemans (1510) p. 98; Holland.
1887. *Anura rosea* Oudemans (1511) p. 147–; Systematics.
1896. *Anura rosea* Lie-Pettersen (1281) p. 21; Norway.
1922. *Achorutes roseus* Latzel (1250) p. 54; Ostalps; Tyrol.
1923. *Achorutes roseus* Denis (613) p. 53; France.
1924. *Achorutes roseus* Denis (614) p. 255; France; Revised description.
1930. *Achorutes muscorum rosea* Buitendijk (334) p. 56; Holland.
1950. *Achorutes roseus* Kinoshita and Uchida (1179) p. 11, and fig.; Japan.
1955. *Achorutes roseus* Uchida (2034) p. 200–; Japan.
1956. *Achorutes roseus* Paclt (1541) p. 11; Biology.
1957. *Achorutes roseus* Uchida (2041) p. 18; Japan.
1959. *Achorutes roseus* Yosii (2355) p. 18; Japan.

Neanura rosea citrina (Paclt) 1956

1956. *Achorutes rosea citrinus* Paclt (1541) p. 11; Biology.

Neanura separata (Denis) 1934

1934. *Achorutes separatus* Denis (647) p. 121; Tongking; Indo-China.
1948. *Achorutes separatus* Denis (676) p. 210, fig. 9; Indo-China.
1959. *Neanura separata* Yosii (2355) p. 18; Annam.

Neanura setosa Canby, 1926

1926. *Neanura setosa* Canby (347) p. 43, figs. 1–4; California.
1959. *Neanura setosa* Wilkey (2350) p. 222; California.

Neanura sexoculata Carpenter, 1916

1916. *Neanura sexoculata* Carpenter (390) p. 29, Pl. XIV, figs. 1–6; Seychelles.
1928. *Achorutes sexoculatus* Handschin (1006) p. 233, figs. 5–6; South India.
1929. *Achorutes sexoculatus* Handschin (1007) p. 27; Seychelles.
1934. *Achorutes sexoculata* Womersley (2177) p. 468; Seychelles.
1951. *Biloba sexoculata* Stach (1890) p. 32; Seychelles.
1959. *Neanura sexoculata* Yosii (2355) p. 18; Seychelles; Ceylon.

Neanura similis (Yosii) 1954

TYPE: Author Colln., Yoshida Coll., Kyoto Univ., Japan.
1954. *Lobella similis* Yosii (2232) p. 18, figs. 32–36; Japan.
1956. *Lobella similis* Yosii (2234) p. 614; Japan.
1956. *Lobella similis* Yosii (2235) p. 39, Pl. XXI, figs. 121–124; Japan.
1959. *Lobella similis* Yosii (2355) p. 17; Japan.

Neanura takaoensis (Kinoshita) 1916

1916. *Pseudachorutes takaoensis* Kinoshita (1173) p. 495; Japan.
1932. *Neanura takaoensis* Kinoshita (1178) p. 2118; Japan.
1938. *Neanura takaoensis* Uchida (2015) p. 7; Japan.
1950. *Achorutes takaoensis* Kinoshita and Uchida (1179) p. 11, and fig.; Japan.
1955. *Achorutes takaoensis* Uchida (2032) p. 1–; Japan.
1956. *Pseudachorutes takaoensis* Uchida (2036) p. 28; Japan.
1957. *Achorutes takaoensis* Uchida (2041) p. 19; Japan.
1959. *Achorutes takaoensis* Yosii (2355) p. 18; Japan.

Neanura tasmaniae (Dendy) 1901

1901. *Anoura tasmaniae* Dendy (606) p. 98; Tasmania.

Neanura taurica (Stach) 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Biloba taurica* Stach (1890) p. 34, Pl. IX; Crimea.
1960. *Biloba taurica* Gisin (2271) p. 101; Crimea.
1960. *N. (Neanura) taurica* Grindbergs (2373) p. 32; U.S.S.R.

Neanura tetrophthalma (Stach) 1929

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1929. *Achorutes tetrophthalmus* Stach (1869) p. 282; Hungary.
1948. *Achorutes tetrophthalmus* Franz and Beier (821) p. 462–; Ecology.
1951. *Biloba tetrophthalma* Stach (1890) p. 52, Pl. VIII; Revised description; Poland; Hungary.
1955. *Neanura tetrophthalma* Stach (1893) p. 65, fig. 139; Poland; Hungary.

1958. *Neanura tetrophthalma* Kholova (1169) p. 235; Bohemia.
1960. *Neanura tetrophthalma* Gisin (2271) p. 102; Hungary.

Neanura tetrophthalma tatricola (Stach) 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Biloba tetrophthalma tatricola* Stach (1890) p. 35; Hungary.
1959. *Neanura tetrophthalma tatricola* Stach (1896) p. 10–; Poland.
1960. *Neanura tatricola* Gisin (2271) p. 103; Poland.

Neanura tigrina (Harvey) 1900

1900. *Achorutes tigrina* Harvey (1036) p. 552; Maine.

Neanura transcaucasica (Stach) 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Biloba transcaucasica* Stach (1890) p. 34, Pl. X; Tiflis, Russia.
1960. *Neanura transcaucasica* Gisin (2271) p. 101; Tiflis, Russia.
1960. *N. (Neanura) transcaucasica* Grindbergs (2373) p. 32; U.S.S.R.

Neanura tuberculata (Nicolet) 1842

1842. *Achorutes tuberculatus* Nicolet (1493) p. 52, Pl. V, fig. 1; Switzerland.
1844. *Anoura tuberculata* Gervais (841) p. 443; Switzerland.
1844. *Achorutes tuberculata* Lucas (1327) p. 295; Reference only.
1845. *Achorutes tuberculatus* Bourlet (266) p. 67; Europe.
1847. *Anoura tuberculata* Nicolet (1496) p. 387, Pl. V, fig. 20; Classification.
1859. *Anura tuberculata* Muller (1468) p. 32; Switzerland; France.
1867. *Podura (Anura) tuberculata* Saunders (1727) p. lxxxv.
1869. *Achorutes tuberculatus* Porath (1608) p. 653; Scania.
1875. *Achorutes tuberculatus* Parona (1556) p. 299; Italy.
1875. *Achorutes tuberculatus* Uljanin (2047) p. 1; on life history.
1900. *Achorutes tuberculatus* Prowazek (1614) p. 339; Morphology.

Neanura verrucosa Börner, 1903

1903. *Neanura verrucosa* Börner (239) p. 136; Poland.
1912. *Neanura verrucosa* Schille (1756) p. 7; Poland.
1930. *Morulina verrucosa* Stach (1869) p. 282; Hungary.
1937. *Morulina verrucosa* Kseneman (1217) p. 467; Carpathians.
1938. *Morulina verrucosa* Szent-Ivany (1944) p. 90; Poland.
1941. *Morulina verrucosa* Szent-Ivany (1947) p. 21; Hungary.
1951. *Morulina verrucosa* Stach (1890) p. 17, Pl. I, fig. 1, Pl. II, Pl. III, figs. 1–4; Revised descr.
1955. *Morulina verrucosa* Stach (1893) p. 63, figs. 135 and 136; Europe; Siberia; Greenland.
1956. *Morulina verrucosa* Paclt (1541) p. 11; Biology.
1958. *Morulina verrucosa* Nosek (1503) p. 357; Czechoslovakia.
1959. *Morulina verrucosa* Stach (1896) p. 9–; Poland.
1960. *Neanura verrucosa* Gisin (2271) p. 97, fig. 203; East Europe.
1960. *Neanura (Morulina) verrucosa* Grindbergs (2373) p. 31; U.S.S.R.

Neanura weigneri (Stach) 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Achorutes weigneri* Stach (1861)p. 114, Pl. VIII, figs. 13–15; Albania.
1935. *Achorutes weigneri* Denis (652) p. 330; Albania.
1951. *Biloba weigneri* Stach (1890) p. 31; Albania.
1960. *Neanura weigneri* Gisin (2271) p. 102; Albania.

Neanura zehntneri (Handschin) 1920

1920. *Achorutes zehntneri* Handschin (978) p. 136, figs. 1–3; Java.
1925. *Achorutes zehntneri* Handschin (985) p. 226; South Sumatra; Java.
1928. *Achorutes zehntneri* Handschin (1001) p. 265; Sumatra; Java.
1951. *Biloba zehntneri* Stach (1890) p. 30; Java.
1959. *Neanura zehntneri* Yosii (2355) p. 18; Java.

Genus: THAUMANURA Börner, 1932 (255) p. 140.
Type species fixed: *T. carolii* (Stach), by Stach, 1951 (1890) p. 7.

Thaumanura carolii (Stach) 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Achorutes carolii* Stach (1859) p. 141, Pl. 5, fig. 2, Pl. 6, figs. 13–18; East Europe.
1928. *Achorutes carolii* Handschin (1003) p. 125; East Prussia.
1929. *Achorutes carolii* Handschin (1008) p. 41, fig. 62; Germany.
1932. *Thaumanura carolii* Börner (255) p. 136; Germany.
1937. *Achorutes carolii* Drenowski (695) p. 2; Bulgaria.
1948. *Neanura carolii* Gisin (867) p. 80; Switzerland.
1951. *Thaumanura carolii* Stach (1890) p. 61, Pl. 1, fig. 4, Pl. XII; Revised description; Poland; Styria; Yugoslavia; Slowakia; Hungary; Bulgaria; West Ukraine.
1954. *Neanura carolii* Cassagnau (417) p. 32; Serbia; Roumania.
1955. *Thaumanura carolii* Stach (1893) p. 65, fig. 140; Add. description.
1958. *Thaumanura caroli* Nosek (1503) p. 357; Czechoslovakia.
1959. *Thaumanura carolii* Stach (1896) p. 10; Poland; Roumania; Serbia; Slovakia.
1960. *Neanura caroli* Gisin (2271) p. 98, fig. 204; East Europe.
1960. *N. (Neanura) carolii* Grindbergs (2373) p. 31; U.S.S.R.

Genus: ADBILOBA Stach, 1951 (1890) p. 8.
Type species fixed: *A. sokolowi* (Philiptschenko), by Stach, 1951 (1890) p. 8.

Adbiloba sokolowi (Philiptschenko) 1926

1926. *Achorutes sokolowi* Philiptschenko (1592) p. 187, figs. 17–20; East Africa.
1929. *Achorutes sokolowi* Handschin (1007) p. 27; East Africa.
1934. *Achorutes sokolowi* Womersley (2177) p. 468; British East Africa.
1951. *Adbiloba sokolowi* Stach (1890) p. 8; Systematics.

Genus: BILOBELLA Caroli, 1912 (361) p. 367.
Type species fixed: *B. aurantiaca* (Caroli) by Stach, 1951 (1890) p. 9.

Bilobella aurantiaca (Caroli) 1910.

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1910. *Neanura aurantiaca* Caroli (359) p. 321; Italy.

1912. *Achorutes aurantiacus* Caroli (361) p. 367, figs. 5, 20–25; Italy.
1923. *Achorutes (Bilobella) aurantiacus* Denis (611) p. 241; France.
1926. *Achorutes aurantiacus* Handschin (990) p. 119; Algeria.
1930. *Achorutes aurantiacus* Stach (1869) p. 283; Italy; France; N.E. Spain.
1930. *Achorutes aurantiacus* Stach (1870) p. 58, Pl. XIV, fig. 4; Spain.
1934. *Achorutes aurantiacus* Womersley (2177) p. 468; Algeria.
1937. *Achorutes aurantiacus* Kseneman (1217) p. 467; Carpathians.
1951. *Bilobella aurantiaca* Gisin (882) p. 5; Carpathians; Mediterranean Region.
1951. *Neanura aurantiaca* Maynard (1393) p. 70, Pl. VIII, figs. 125–127; Descr.; New York.
1951. *Bilobella aurantiaca* Stach (1890) p. 88, Pl. XVI, fig. 3; E. Carpathian Mts.; Revised descr.
1954. *Lathriopyga aurantiaca* Cassagnau (417) p. 32, fig. I (D); France; Spain; Pyrenees.
1954. *Bilobella aurantiaca* Trave (2000) p. 209; France.
1955. *Bilobella aurantiaca* Stach (1893) p. 67, fig. 145; Poland.
1956. *Achorutes aurantiacus* Paclt (1541) p. 11; Biology.
1958. *Bilobella aurantiaca* Nosek (1503) p. 358; Czechoslovakia.
1959. *Bilobella aurantiaca* Da Gama (2266) p. 11; Portugal.
1959. *Bilobella aurantiaca* Yosii (2355) p. 13; Europe.
1960. *Neanura aurantiaca* Gisin (2271) p. 104, fig. 2/O; Europe; Algeria.
1960. *Neanura (Lathriopyga) aurantiaca* Grindbergs (2373) p. 32; U.S.S.R.

Bilobella grassei (Denis) 1923

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1923. *Achorutes grassei* Denis (611) p. 237, figs. 34–37; France.
1940. *Neanura grassei* Bagnall (122) p. 170; Britain.
1946. *Neanura grassei* Phillips (1585) p. 218; Ecology.
1947. *Achorutes grassei* Del. Deb. (550) p. 134; France.
1950. *Neanura grassei* Del. Deb. (570)p. 49–; France.
1951. *Neanura grassei* Del. Deb. (575) p. 58; Pyrenees.
1951. *Bilobella grassei* Stach (1890) p. 87; France.
1952. *Bilobella grassei* Gisin (882) p. 5; France; England; Classification.
1954. *Lathriopyga grassei* Cassagnau (417) p. 32; France; Oriental Pyrenees; Roumania.
1954. *Bilobella grassei* Trave (2000) p. 209; France.
1959. *Bilobella grassei* Yosii (2355) p. 13; France.
1960. *Neanura grassei* Gisin (2271) p. 104; Europe.

Bilobella mandarina (Yosii) 1954

TYPE: Author Colln., Yoshida Coll., Kyoto Univ., Japan.
1954. *Neanura mandarini* Yosii (2231) p. 796, fig. 15; Japan.
1959. *Bilobella mandarina* Yosii (2355) p. 13; Japan.

Bilobella ornata (Folsom) 1902

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1902. *Neanura ornata* Folsom (781) p. 89, Pl. IV, fig. 2, Pl. VI, figs. 14–18; Alaska.
1904. *Neanura ornata* Axelson (78) p. 3; Siberia.
1916. *Neanura ornata* Folsom (787) p. 511, Pl. VII, fig. 6, Pl. XXIV, figs. 236–240; North America.
1932. *Achorutes ornatus* Brown (312) p. 339; North Canada.
1951. *Bilobello ornata* Gisin (882) p. 5; Alaska; Siberia; Classification.
1951. *Bilobella ornata* Stach (1890) p. 86; Alaska; Siberia.
1956. *Achorutes ornatus* Paclt (1541) p. 114, fig. 130.
1960. *Neanura ornata* Gisin (2271) p. 104; Alaska; Siberia.
1960. *Neanura (Lathriopyga) ornata* Grindbergs (2373) p. 32; U.S.S.R.

Bilobella singaporeinsis Yosii, 1959

TYPE: Author Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Bilobella singaporeinsis* Yosii (2355) p. 14, figs. 8 and 9; Singapore.

Genus: LATHRIOPYGA Caroli, 1910 (359) p. 321.

Type species fixed: *L. longiseta* (Caroli) by Stach, 1951 (1890) p. 9.

Lathriopyga conjuncta (Stach) 1926

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1926. *Achorutes conjunctus* Stach (1865) p. 3–; Poland.
1930. *Achorutes conjunctus* Stach (1869) p. 283; Poland.
1937. *Achorutes conjuncta* Drenowski (695) p. 2; Bulgaria.
1951. *Lathriopyga conjuncta* Stach (1890) p. 73, Pl. I, fig. 2, Pl. XIII; Yugoslavia; Poland; W. Ukraine; Slovakia; Hungary; Austria; Styria; Salzburg; Bulgaria.
1952. *Lathriopyga conjuncta* Gisin (882) p. 6; Switzerland.
1954. *Lathriopyga conjuncta* Cassagnau (417) p. 33, fig. I (E); Serbia; Rumania.
1955. *Lathriopyga conjuncta* Stach (1893) p. 65, figs. 141 and 142; Add. descr.
1957. *Neanura conjuncta* Gisin (898) p. 110–; Switzerland.
1957. *Lathriopyga conjuncta* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Lathriopyga conjuncta* Kholova (1169) p. 234; Bohemia.
1958. *Lathriopyga conjuncta* Nosek (1503) p. 358; Czechoslovakia.
1958. *Neanura (Lathriopyga) conjuncta* von Torne (1993) p. 662; Austria.
1959. *Neanura conjuncta* Hayback (2375), Tab. VIII; Ecology.
1959. *Lathriopyga conjuncta* Stach (1896) p. 10–; Poland.
1960. *Neanura conjuncta* Gisin (2271) p. 107; Europe.
1960. *Neanura (Lathriopyga) conjuncta* Grindbergs (2373) p. 32; U.S.S.R.

Lathriopyga conjuncta monticola Cassagnau, 1954

1954. *Lathriopyga conjuncta monticola* Cassagnau (417) p. 33, Pl. I (3 and 4), fig. 1 (A and B); Pyrenees; France.

Lathriopyga franzi Stach, 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Lathriopyga franzi* Stach (1890) p. 70, Pl. XVI, figs. 1, 2; Styria.
1952. *Lathriopyga franzi* Gisin (882) p. 6; Styria.
1960. *Lathriopyga franzi* Gisin (2271) p. 106; Austria.

Lathriopyga giselae (Gisin) 1950

TYPE: Mus. Hist. Natur., Geneva.
1950. *Neanura (Lathriopyga) giselae* Gisin (875)p. 414, fig. 2; Switzerland.
1952. *Lathriopyga giselae* Gisin (882) p. 5; Switzerland.
1956. *Neanura giselae* Gisin (895) p. 12; Geneva.
1960. *Neanura giselae* Gisin (2271) p. 107, fig. 20; Geneva.

Lathriopyga hystrix (Bagnall) 1940

TYPE: Brit. Mus. Nat. Hist., London.
1940. *Neanura hystrix* Bagnall (122) p. 170; Britain.
1951. *Lathriopyga hystrix* Stach (1890) p. 71; England.
1951. *Lathriopyga histrix* Gisin (882) p. 5; England.
1960. *Neanura hystrix* Gisin (2271) p. 105; England.

Lathriopyga longiseta (Caroli) 1910

1910. *Achorutes longisetus* Caroli (359) p. 321; Italy.
1912. *Achorutes longisetus* Caroli (361) p. 361, figs. 3, 13–17; Italy.
1925. *Achorutes longisetus* Denis (617) p. 203; Italy.
1927. *Achorutes longisetus* Denis (629) p. 187; Italy.
1929. *Achorutes longisetus* Denis (635) p. 131; Italy.
1948. *Achorutes longisetus* Denis (677) p. 2; Corsica.
1951. *Lathriopyga longiseta* Stach (1890) p. 71; Italy.
1952. *Lathriopyga longiseta* Gisin (882) p. 5; Italy.
1959. *Lathriopyga longiseta* Da Gama (494) p. 17; Madeira.

Lathriopyga monoculata (Denis) 1931

1931. *Achorutes monoculatus* Denis (639) p. 207; Germany.
1951. *Lathriopyga monoculata* Stach (1890) p. 72; Remark I.
1952. *Lathriopyga monoculata* Gisin (882) p. 5; Germany.
1960. *Neanura monoculata* Gisin (2271) p. 104; Germany.

Lathriopyga phlegraea (Caroli) 1910

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1910. *Neanura phlegraea* Caroli (359) p. 321; Italy.
1912. *Achorutes phlegraeus* Caroli (361) p. 365, figs. 4, 18, 19; Italy.
1921. *Achorutes phlegraeus albella* Stach (1859) p. 144. Pl. VI, figs. 19–20; Poland.
1925. *Achorutes phlegraeus* Denis (617) p. 210; Italy.
1927. *Achorutes phlegraeus* Denis (629) p. 187; Italy.
1929. *Achorutes phlegraeus* Denis (635) p. 131; Italy.
1929. *Achorutes phlegraeus* Handschin (1008) p. 40; Poland.
1930. *Achorutes phlegraeus* Stach (1869) p. 283; Italy; Spain; Poland; Hungary.
1930. *Achorutes phlegraeus* Stach (1870) p. 57, fig. XIV, 2, 3; Spain.
1932. *Achorutes phlegraeus* Denis (641) p. 363; France.
1934. *Achorutes phlegraeus* Denis (648) p. 325; France.
1935. *Achorutes sinister* Denis (653) p. 353; France; cf. Gisin (875).
1936. *Achorutes phlegraeus* Tarsia in Curia (1951) p. 20; Italy.
1937. *Achorutes phlaegreus* Denis (663) p. 54; Italy.
1937. *Achorutes phlegraeus* Frenzel (828) p. 296; Ecology.
1937. *Achorutes phlegraeus* Kseneman (1217) p. 467; Carpathians.
1938. *Achorutes phlegraeus* Denis (665) p. 124; Italy.
1938. *Achorutes phlegraeus* Kseneman (1219) p. 108; Spieglitzer snow mountains.
1938. *Achorutes phlegraeus* Kseneman (1220) p. 11; Europe.
1939. *Achorutes phlegraeus* Agrell (41) p. 1; Madeira Is.: South Europe; Poland.
1946. *Neanura phlegraea* Gisin (857) p. 218; Switzerland.
1948. *Achorutes phlegraeus* Denis (677) p. 5; Corsica.
1948. *Neanura phlegraea* Gisin (867) p. 80; Switzerland.
1950. *Neanura phlegraea* Gisin (875) p. 412; discusses *A. sinister.*
1951. *Achorutes phlegraeus* Cassagnau and Del. Deb (593) p. 400; Mid France.
1951. *Lathriopyga phlegraea* Stach (1890) p. 78, Pl. I, fig. 3, Pl. XIV, Pl. XV; Carpatho-Russia; Yugoslavia; Spain; Poland; Ukraine; Slovakia.
1952. *Lathriopyga phlegraea* Gisin (882) p. 6; Italy; Switzerland.
1954. *Lathriopyga phlegraea* (Caroli) *f. principalis* Cassagnau (417) p. 32, fig. I (c); France.
1955. *Neanura phlegrea* Cassagnau (422) p. 134, fig. 2, G; Holarctic.
1959. *Lathriopyga phlegraea* Stach (1896) p. 11–; Poland.
1960. *Neanura phlegraea* Gisin (2271) p. 106, fig. 214; Italy; Switzerland.
1960. *Neanura* (*Lathriopyga*) *phlegraea* Grindbergs (2373) p. 32; U.S.S.R.

Lathriopyga phlegraea albella (Stach) 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Achorutes phlegraeus albellus* Stach (1869) p. 283; Poland.

Lathriopyga phlegraea implena (Stach) *in litt.*, 1937.

1937. *Achorutes phlegraeus implena* Kseneman (1217) p. 464; Czechoslovakia.

Lathriopyga phlegraea plena Stach, 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Lathriopyga phlegraea plena* Stach (1890) p. 83; Poland.
1954. *Lathriopyga phlegraea* (Caroli) *plena* Cassagnau (417) p. 33, Pl. I (5); France; Spain; Serbia.
1959. *Lathriopyga phlegraea plena* Da Gama (494) p. 17; Madeira.
1959. *Lathriopyga phlegraea plena* Da Gama (2266) p. 11; Portugal.

Lathriopyga serrata (Folsom) 1916

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1916. *Neanura serrata* Folsom (787) p. 511, Pl. XXIV, figs. 231–235; Oregon.
1951. *Lathriopyga serrata* Gisin (882) p. 5; Oregon.
1951. *Lathriopyga serrata* Stach (1890) p. 72; U.S.A., Oregon.
1954. *Achorutes serratus* Cassagnau (417) p. 33; Taxonomy.

Lathriopyga sinistra (Denis) 1935

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1935. *Achorutes sinister* Denis (653) p. 353; France.
1937. *Achorutes sinister* Denis (663) p. 54; Italy, in caves.
1938. *Achorutes sinister* Denis (665) p. 124; Italy.
1951. *Lathriopyga sinistra* Stach (1890) p. 71; France.
1952. *Lathriopyga sinistra* Gisin (882) p. 6; France; Switzerland.
1957. *Neanura* (*Lathriopyga*) *sinistra* Gisin (901) p. 476; Madeira.
1960. *Neanura sinistra* Gisin (2271) p. 107; France.

Lathriopyga stachi (Stach) 1921

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1921. *Achorutes phlegraeus albella* Stach (1859) p. 144, Pl. VI, figs. 19–20; Poland.
1930. *Achorutes phlegraeus* Stach (1870) p. 57, Pl. XIV, figs. 2 and 3; Spain.
1951. *Lathriopyga phlegraea albella* Stach (1890) p. 81; Ukraine; Slovakia; Carpatho-Russia; Yugoslavia; Spain.

1952. *Lathriopyga stachi* Gisin (882) p. 6; Eastern Europe; nom. nov.
1955. *Lathriopyga stachi* Stach (1893) p. 67, figs. 143, 144; Add. descr.
1959. *Neanura* (*Lathriopyga*) *stachi* Paclt (2317) p. 338; Europe.
1960. *Neanura stachi* Gisin (2271) p. 107; Europe.

Genus: IMPARITUBERCULA Stach, 1951 (1890) p. 8.
= *Crossodonthina* Yosii, 1954 (2231) p. 791.

Type species fixed: *I. villosa* (Kos), by Stach, 1951 (1890) p. 8.

Imparitubercula appendiculata (Yosii) 1956

TYPE: Author Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Crossodonthina appendiculata* Yosii (2235) p. 41, Pl. XXI, figs. 127–130.
1959. *Crossodonthina appendiculata* Yosii (2355) p. 16; Japan.

Imparitubercula nipponica Yosii, 1954

TYPE: Osaka Mun Mus., Osaka, Japan.
1954. *Crossodonthina nipponica* Yosii (2231) p. 791, fig. 11; Japan.
1956. *Crossodonthina nipponica* Yosii (2235) p. 41, Pl. XX, fig. 118; Japan.
1959. *Crossodonthina japonica* Yosii (2355) p. 16; *lapsus calami;* Japan.

Imparitubercula villosa (Kos) 1940

1940. *Achorutes villosus* Kos (1197) p. 145, figs. 10, 11–18; Yugoslavia.
1951. *Imparitubercula villosa* Stach (1890) p. 8; Systematics.
1956. *Achorutes villosus* Paclt (1541) p. 13, fig. 8; Yugoslavia.
1960. *Neanura villosa* Gisin (2271) p. 98; Yugoslavia.

Genus: THAIANURA Yosii, 1961 (2569) p. 171.

Type species fixed: *T. umesaoi* Yosii, 1961 (2569) p. 171.

Thaianura umesaoi Yosii, 1961

TYPE: Author Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Thaianura umesaoi* Yosii (2569) p. 171, fig. 1; Thailand.

Genus: SERICANURA Carpenter, 1935 (400) p. 368.

Type species fixed: *S. pacifica* Carpenter, 1935 (400) p. 368 (monotype).

Sericanura pacifica Carpenter, 1935

1935. *Sericanura pacifica* Carpenter (400) p. 368, fig. 3; Marquesas.

Genus: ECHINANURA Carpenter, 1935 (400) p. 367.

Type species fixed: *E. elegans* Carpenter, 1935 (400) p. 367 (monotype).

Echinanura elegans Carpenter, 1935

1935. *Echinanura elegans* Carpenter (400) p. 367, fig. 2; Marquesas.
1938. *Echinanura elegans* Handschin (1011) p. 139; Marquesas; Oceania.

Family UCHIDANURIDAE *nov.*

Genus: UCHIDANURA Yosii, 1954 (2231) p. 790.

Type species fixed: *U. esakii* (Uchida) by Yosii, 1954 (2231) p. 790.

Uchidanura esakii (Uchida) 1944

1944. *Achorutes esakii* Uchida (2021) p. 3, figs. 1–7; Micronesia.
1954. *Uchidanura esakii* Yosii (2231) p. 790; Japan.
1959. *Uchidanura esakii* Yosii (2355) p. 17; Japan.

Genus: PROSPINANURA Wray, 1952 (2204) p. 96.

Type species fixed: *P. kardosia* Wray, 1952 (2204) p. 96.

Prospinanura kardosia Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1952. *Prospinanura kardosia* Wray (2204) p. 96, figs. 6–10; North America.
1953. *Prospinanura kardosia* Wray (2207) p. 40; Utah.

Genus: WRAYELLA *gen. nov.*

Type species now designated: *W. oxfordi* (Wray) 1953 (2207) p. 40.

Wrayella oxfordi (Wray) 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Prospinanura oxfordi* Wray (2207) p. 40; North Carolina.

Family PROTENTOMOBRYIDAE Folsom, 1937 (805) p. 15.

Genus: PROTENTOMOBRYA Folsom, 1937 (805) p. 15.

Type species fixed: *P. walkeri* Folsom, 1937 (805) p. 17.

Protentomobrya walkeri Folsom, 1937

HOLOTYPE: Roy. Ontario Mus. Mineral., Toronto.
1937. *Protentomobrya walkeri* Folsom (802) p. 17, fig. 1; Manitoba, Canada.

Family ONCOPODURIDAE Denis, 1932 (641) p. 375

Genus: HARLOMILLSIA Bonet. 1944 (213) p. 110.
= *Millsia* Bonet, 1943 (212) p. 136.

Type species fixed: *H. oculata* (Mills) by Bonet, 1944 (213) p. 110.

Harlomillsia oculata (Mills) 1937

1937. *Oncopodura oculata* Mills (1419) p. 67, figs. 1–6; Florida.
1938. *Oncopodura oculata* Brimley (275) p. 15; North Carolina.
1938. *Oncopodura oculata* Mills (1421) p. 15; North Carolina.
1943. *Millsia oculata* Bonet (212) p. 136, figs. 1–4; Mexico.

1944. *Harlomillsia oculata* Bonet (213) p. 110; Systematics; Synonymy.
1950. *Harlomillsia oculata* Wray (2202) p. 6; North Carolina.

Genus: ONCOPODURA Carl and Lebedinsky, 1905 (358) p. 562.
= *Cyphoderellopsis* Yosii, 1939 (2222) p. 95.

Type species fixed: *O. hamata* Carl and Lebedinsky, by Yosii, 1939 (2222) p. 95.

Oncopodura ambigua Christiansen, 1956

PARATYPES: Auth. Colln., Grinnell College, Iowa, U.S.A.

1956. *Oncopodura ambigua* Christiansen (444) p. 88, Pl. IV, figs. 1–5; Lebanon.
1960. *Oncopodura ambigua* Gisin (2271) p. 262; Lebanon.

Oncopodura atoyacense Bonet, 1943

1943. *Oncopodura atoyacense* Bonet (212) p. 145, figs. 14–16; Mexico.

Oncopodura bidentata Delamare Deboutteville, 1948

TYPE: Lab. Entom. Mus., Paris.
1948. *Oncopodura bidentata* Delamare Deboutteville (561) p. 404, figs. 195–199; Africa.
1950. *Oncopodura bidentata* Delamare Deboutteville (570) p. 54–, fig. 60; Ivory Coast.

Oncopodura cavernarum Stach, 1934

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1934. *Oncopodura cavernarum* Stach (1875) p. 12, Pl. I, figs. 1–8, Pl. II, figs. 1–4; Italy.
1939. *Oncopodura cavernarum* Strouhal (1931) p. 264–; Ecology.
1940. *Oncopodura cavernarum* Strouhal (1932) p. 410–; Ecology.
1960. *Oncopodura cavernarum* Gisin (2271) p. 262; Yugoslavia.

Oncopodura crassicornis Shoebotham, 1911

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1911. *Oncopodura crassicornis* Shoebotham (1819) p. 35, Pl. III; England.
1914. *Oncopodura crassicornis* Börner (252) p. 486; Systematics.
1920. *Oncopodura crassicornis* Stach (1859) p. 171, Pl. VII, figs. 30–32; Hungary; Poland; England.
1922. *Oncopodura crassicornis* Stach (1860) p. 25; Hungary.
1929. *Oncopodura crassicornis* Handschin (1008) p. 103, figs. 187–189; England; Poland.
1930. *Oncopodura crassicornis* Stach (1869) p. 294; England; Poland.
1931. *Oncopodura crassicornis* Bonet (205) p. 390; Poland.
1932. *Oncopodura crassicornis* Absolon and Kseneman (26) p. 13, figs. 14, 17–19.
1932. *Oncopodura crassicornis* Denis (641) p. 374; France.
1933. *Oncopodura crassicornis* Turk (2007) p. 94; Britain.
1938. *Oncopodura crassicornis* Kseneman (1220) p. 17; Europe.
1939. *Oncopodura crassicornis* Strouhal (1931) p. 264; Ecology.
1943. *Oncopodura crassicornis* Gisin (853) p. 175; Switzerland.
1948. *Oncopodura crassicornis* Gisin (867) p. 81; Switzerland.
1949. *Oncopodura crassicornis* Schaller (1742) p. 268; Germany; Ecology.
1951. *Oncopodura crassicornis* Stach (1889) p. 23, fig. 12 G.
1955. *Oncopodura crassicornis* Stach (1893) p. 145, figs. 443–445; Europe.
1956. *Oncopodura crassicornis* Bockemuhl (193) p. 147; Spitzbergen.
1956. *Oncopodura crassicornis* Gisin (896) p. 8; Geneva.
1956. *Oncopodura crassicornis* Loksa (1310) p. 381; Ecology.
1956. *Oncopodura crassicornis* Paclt (1541) p. 36, fig. 47; Biology.
1957. *Oncopodura crassicornis* Paclt (1543) p. 5–; Europe.
1957. *Oncopodura crassicornis* Paclt (1544) p. 270; Czechoslovakia.
1958. *Oncopodura crassicornis* Holler-Land (2283) p. 110; Ecology.
1959. *Oncopodura crassicornis* Holler-Land (2284) p. 436; Germany.
1959. *Oncopodura crassicornis* Stach (1896) p. 38; Poland.
1960. *Oncopodura crassicornis* Gisin (2271) p. 261, figs. 59, 474–476; Europe.
1960. *Oncopodura crassicornis* Grindbergs (2373) p. 54; U.S.S.R.

Oncopodura cruciata Bonet, 1943

SYNTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1943. *Oncopodura cruciata* Bonet (212) p. 141, figs. 5–13; Montana.
1959. *Oncopodura cruciata* Wilkey (2350) p. 223; California.
1960. *Oncopodura cruciata* Christiansen (2364) p. 42; North America, caves.

Oncopodura hamata Carl and Lebedinsky, 1905

1905. *Oncopodura hamata* Carl and Lebedinsky (358) p. 562, figs. 1–3; Crimea.
1922. *Oncopodura hamata* Latzel (1250) p. 60; Ostalpen and Karstes.
1931. *Oncopodura hamata* Bonet (205) p. 390; Crimea, in caves.
1932. *Oncopodura hamata* Absolon and Kseneman (26) p. 15, figs. 16, 21; Systematics.
1938. *Oncopodura hamata* Kseneman (1220) p. 17; Britain; Spain; France; Czechoslovakia; Poland.
1960. *Oncopodura hamata* Gisin (2271) p. 262; Crimea.
1960. *Oncopodura hamata* Grindbergs (2373) p. 54; U.S.S.R.

Oncopodura iowae Christiansen, 1961

1961. *Oncopodura iowae* Christiansen (2448) p. 63, fig. 2; Iowa.

Oncopodura japonica Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Oncopodura japonica* Yosii (2235) p. 93, Pl. XLVI, figs. 301–308; Japan.

Oncopodura jugoslavica Absolon and Kseneman, 1932

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1932. *Oncopodura jugoslavica* Absolon and Kseneman (26) p. 8, figs. 1–12; Yugoslavia.

1933. *Oncopodura jugoslavica* Denis (644) p. 212; Yugoslavia.
1934. *Oncopodura jugoslavica* Stach (1875) p. 6; Yugoslavia.
1935. *Oncopodura jugoslavica* Denis (652) p. 331; Yugoslavia.
1936. *Oncopodura jugoslavica* Denis (660) p. 273; Yugoslavia; Add. descr.
1960. *Oncopodura jugoslavica* Gisin (2271) p. 262; Yugoslavia.

Oncopodura kuramaensis (Yosii) 1939

TYPE: Osaka Mun. Mus., Osaka, Japan.
1939. *Cyphoderellopsis kuramaensis* Yosii (2222) p. 96, Pl. IV, figs. 1–11; Japan.
1956. *Oncopodura (Cyphoderellopsis) kuramaensis* Yosii (2235) p. 95, Pl. XLVII, figs. 317–320, Pl. XLVIII, figs. 321–323; Japan.
1958. *Oncopodura kuramaensis* Uchida (2044) p. 19; Japan.

Oncopodura meridionalis Cassagnau, 1959

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Oncopodura meridionalis* Cassagnau (2262) p. 86, fig. 10; France.

Oncopodura occidentalis Bonet, 1931

1931. *Oncopodura occidentalis* Bonet (205) p. 367, fig. XXX; Spain; France.
1932. *Oncopodura occidentalis* Absolon and Kseneman (26) p. 14, figs. 15, 20; Systematics.
1934. *Oncopodura occidentalis* Stach (1875) p. 5; Spanish Pyrenees.
1960. *Oncopodura occidentalis* Gisin (2271) p. 262; Spain.

Oncopodura prietoi Bonet, 1943

PARATYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1943. *Oncopodura prietoi* Bonet (212) p. 147, figs. 17–22; Mexico.

Oncopodura puncteola Yosii, 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Oncopodura puncteola* Yosii (2235) p. 94, Pl. XLVI, figs. 309–311, Pl. XLVII, figs. 312–316; Japan.

Oncopodura reyersdorfensis Stach, 1936

TYPE: Zool. Inst., Pol. Acad. Sci., Cracow.
1936. *Oncopodura reyersdorfensis* Stach (1880) p. 131, figs. 1–7; Germany.
1937. *Oncopodura reyersdorfensis* Frenzel (828) p. 317; Ecology.
1955. *Oncopodura reyersdorfensis* Stach (1893) p. 145, figs. 446–447; Poland.
1955. *Oncopodura reyersdorfensis* von Torne (1989) p. 160; Austria.
1958. *Oncopodura reyersdorfensis* von Torne (1993) pp. 672, 675; Austria.
1960. *Oncopodura reyersdorfensis* Gisin (2271) p. 261; Austria.

Oncopodura tiegsi Womersley, 1942

TYPE: Sth. Austr. Mus., Adelaide.
1942. *Oncopodura tiegsi* Womersley (2193) p. 27, fig. 4 A-D; Australasia.

Genus: BORECUS Folsom, 1923 (794) p. 397.

Type species fixed: *B. pinnatus* Folsom, 1923 (794) p. 399, monotype.

Borecus pinnatus Folsom, 1923

TYPES: Mus. Comp. Zool., Harvard.
1923. *Borecus pinnatus* Folsom (794) p. 399, Pl. XXIII, figs. 51–58; British Guiana.

Family TOMOCERIDAE Börner, 1913 (249) p. 320

Genus: PSEUDOLEPIDOPHORELLA Salmon, 1941 (1676) p. 342.

Type species fixed: *P. longiterga* by Salmon, 1941 (1676) p. 342.

Pseudolepidophorella longiterga (Salmon) 1937

TYPE: Dominion Mus., Wellington, N.Z.
1937. *Lepidophorella longiterga* Salmon (1674) p. 354, Pl. 49, h-i; New Zealand.
1941. *Pseudolepidophorella longiterga* (1676) p. 343, figs. 258–259; New Zealand.

Genus: LEPIDOPHORELLA Schaeffer, 1897 (1736) p. 25. = *Drepanura* Moniez, 1894 (1452) p. 208.

Type species fixed: *L. flava* Schäffer, by Börner, 1903 (239) p. 177.

Lepidophorella australis Carpenter, 1919

TYPE: Manchester Mus., Manchester, England.
PARATYPE: Canterbury Mus., Christchurch, N.Z.
1919. *Lepidophorella australis* Carpenter (395) p. 97, figs. 29–36; New Zealand.
1934. *Lepidophorella australis* Womersley (2178) p. 108, T. fig. 9 g-h; Victoria, Australia.
1936. *Lepidophorella australis* Womersley (2183) p. 321; New Zealand.
1937. *Lepidophorella australis* Salmon (1674) p. 353; New Zealand.
1939. *Lepidophorella australis* Womersley (2190) p. 168, fig. 57 A-D; Australia.
1941. *Lepidophorella australis* Salmon (1676) p. 339, fig. 252; New Zealand.
1942. *Lepidophorella australis* Womersley (2193) p. 28; New Zealand.
1943. *Lepidophorella australis* Salmon (1680) p. 383; New Zealand.
1949. *Lepidophorella australis* Salmon (1689) p. 40; Campbell Island.

Lepidophorella australis fusca (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidophorella australis fusca* Salmon (1676) p. 340; New Zealand.

Lepidophorella brachycephala (Moniez) 1894

1894. *Drepanura brachycephala* Moniez (1452) p. 208; New Zealand.
1904. *Drepanura brachycephala* Hutton (1085) p. 234; New Zealand.
1923. *Lepidophorella brachycephala* Denis (611) p. 223, figs. 15–18; New Zealand.
1925. *Lepidophorella brachycephala* Carpenter (395) p. 99, figs. 37–43; New Zealand.

1925. *Drepanura brachycephala* Tillyard (1975) p. 301; New Zealand.
1934. *Lepidophorella brachycephala* Womersley (2178) p. 109; Tasmania.
1936. *Lepidophorella brachycephala* Womersley (2183) p. 321; New Zealand.
1937. *Lepidophorella brachycephala* Womersley (2188) p. 154; Tasmania.
1939. *Lepidophorella brachycephala* Womersley (2190) p. 168, fig. 57 E; Tasmania; South Australia.
1941. *Lepidophorella brachycephala* Salmon (1676) p. 339, fig. 251; New Zealand.

Lepidophorella communis (Salmon) 1937

TYPE: Dominion Mus., Wellington, N.Z.
1937. *Lepidophorella communis* Salmon (1674) p. 353, Pl. 49 d-g; New Zealand.
1941. *Lepidophorella communis* Salmon (1676) p. 340, figs. 245–250; New Zealand.
1943. *Lepidophorella communis* Salmon (1680) p. 383; New Zealand.

Lepidophorella nigra Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Lepidophorella nigra* Salmon (1680) p. 383, Pl. 42, figs. 48–51; New Zealand.

Lepidophorella rubicunda Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidophorella rubicunda* Salmon (1676) p. 342, Pl. 54, figs. 255–257; New Zealand.

Lepidophorella spadica Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Lepidophorella spadica* Salmon (1683) p. 152, Pl. 60, figs. 115–116; New Zealand.

Lepidophorella unadentata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidophorella unadentata* Salmon (1676) p. 341, Pl. 54, figs. 253–254; New Zealand.
1944. *Lepidophorella unadentata* Salmon (1683) p. 153; D'Urville I., New Zealand.

Genus: ANTENNACYRTUS Salmon, 1941 (1676) p. 343.
Type species fixed: *A. insolitus* Salmon, 1941 (1676) p. 343.

Antennacyrtus insolitus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Antennacyrtus insolitus* Salmon (1676) p. 344, Pl. 55, figs. 260–268; New Zealand.

Genus: NOVACERUS Salmon, 1942 (1677) p. 254.
= *Neocerus* Salmon, 1941 (1676) p. 345.
Type species fixed: *N. spinosus* (Salmon) by Salmon, 1942 (1677) p. 254.

Novacerus insolitatus (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Neocerus insolitatus* Salmon (1676) p. 346, Pl. 56, figs. 274–275; New Zealand.
1942. *Novacerus insolitatus* Salmon (1677) p. 254; Taxonomy.

Novacerus spinosus (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Neocerus spinosus* Salmon (1676) p. 345, Pl. 55, figs. 269–272, Pl. 56, fig. 273; New Zealand.
1942. *Novacerus spinosus* Salmon (1677) p. 254; Taxonomy.
1943. *Novacerus spinosus* Salmon (1680) p. 384; New Zealand.

Genus: PARATOMOCERUS Tarsia in Curia, 1938 (1952) p. 1.
Type species fixed: *P. pierantonii* Tarsia in Curia, 1938 (1952) p. 1.

Paratomocerus pierantonii Tarsia in Curia, 1938

1938. *Paratomocerus pierantonii* Tarsia in Curia (1952) p. 1, figs. 1, 2; Italy.
1941. *Paratomocerus pierantonii* Tarsia in Curia (1955) p. 266; Italy.
1943. *Paratomocerus pierantonii* Tarsia in Curia (1956) p. 65; Italy, Caves.

Genus: TOMOLONUS Mills, 1948 (1425) p. 353.
Type species fixed: *T. reductus* Mills, 1948 (1425) p. 353.

Tomolonus reductus Mills, 1948

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1948. *Tomolonus reductus* Mills (1425) p. 353, figs. 1–8; North America.
1959. *Tomolonus reductus* Wilkey (2349) p. 224; California.
1960. *Tomolonus reductus* Wilkey (2407) p. 155; Morphology, eye number.

Genus: MAYNARDIA Yosii, 1956 (2235) p. 77.
Type species fixed: *M. elongatus* (Maynard) by Yosii, 1956 (2235) p. 77.

Maynardia elongata (Maynard) 1951

HOLOTYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Tomocerus (Pogonognathus) elongatus* Maynard (1393) p. 126, Pl. XIII, figs. 223–230; New York.
1956. *Tomocerus elongatus* Yosii (2235) p. 77; U.S.A.

Maynardia nigrita (Maynard) 1951

HOLOTYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Tomocerus (Pogonognathus) nigritus* Maynard (1393) p. 130,, Pl. I, fig. 27, Pl. XIV, figs. 231–235; New York.

Genus: POGONOGNATHELLUS Paclt, 1944 (1531) p. 92.
= *Pogonognathus* Börner, 1908 (245) p. 66.
= *Monodontocerus* Yosii, 1955 (2233) p. 394.
Type species fixed: *P. longicornis* (Müller) by Börner, 1908 (245) p. 66.

Pogonognathellus beckeri (Börner) 1909

1909. *Pogonognathus beckeri* Börner (246) p. 115; Japan.
1931. *Pogonognathus beckeri* Womersley (2169) p. 142; Japan.
1938. *Pogonognathus beckeri* Uchida (2015) p. 9; Japan.
1954. *Pogonognathellus beckeri* Uchida (2044) p. 18; Japan.

Pogonognathellus bidentatus Folsom, 1913

TYPE: Mus. Comp. Zool., Harvard.
1913. *Tomocerus bidentatus* Folsom (785) p. 463, Pl. 40, figs. 7, 8; U.S.A.
1914. *Tomocerus bidentatus* Bacon (94) p. 162, Pl. IV, figs. 2–3; California.
1933. *Tomocerus bidentatus* Mills and Rolfs (1431) p. 80; Washington.
1942. *Tomocerus bidentatus* Scott (1796) p. 183; West U.S.A.
1950. *Tomocerus bidentatus* Wray (2202) p. 6; North Carolina.
1954. *Tomocerus bidentatus* Bellinger (174) p. 23; Connecticut.
1959. *Tomocerus bidentatus* Wilkey (2350) p. 224; California.

Pogonognathellus bidentatus jeanneli (Bonet) 1931.

1931. *Tomocerus (Pogonognathus) bidentatus jeanneli* Bonet (205) p. 389; U.S.A.
1934. *Tomocerus (Pogonognathus) bidentatus jeanneli* Bonet (210) p. 363, fig. 1; Virginia.

* **Pogonognathellus flavescens** (Tullberg) 1871

1762. *Podura violacea* Geoffroy (837) p. 611; Paris.
1778. *Podure plumbée* De Geer (532) p. 31, Pl. 3.
1835. *Podura plumbea* Templeton (1957) p. 93; Ireland.
1839. *Macrotoma nigra* Bourlet (259) p. 390.
1842. *Tomocerus celer* Nicolet (1493) p. 69, Pl. 7, fig. 9; Systematics.
1844. *Macrotoma celer* Gervais (841) p. 407, Pl. 50, fig. 7; Europe.
1844. *Macrotoma lepida* Gervais (841) p. 409; Europe.
1844. *Macrotoma nigra* Gervais (841) p. 408, Pl. 50, fig. 7; Europe.
1844. *Tomocerus celer* Lucas (1327) p. 287; Reference List.
1844. *Tomocerus niger* Lucas (1327) p. 287; Synonyms.
1845. *Tomocerus celer* Bourlet (266) p. 67; Europe.
1847. *Tomocerus celer* Nicolet (1496) p. 381; Europe.
1847. *Tomocerus lepida* Nicolet (1496) p. 381; Europe.
1871. *Macrotoma flavescens* Tullberg (2002) p. 149; = *M. nigra.*
1872. *Macrotoma flavescens* Tullberg (2003) p. 36, Pl. V, figs. 1–6; Sweden.
1873. *Tomocerus niger* Lubbock (1318) p. 139; Europe.
1873. *Tomocerus plumbeus* Packard (1521) p. 23–; Massachusetts.
1875. *Tomocerus celer* Parona (1556) p. 298, Pl. 2, fig. 7; Venezuela.
1876. *Macrotoma flavescens* Reuter (1628) p. 81; Finland.
1878. *Tomocerus niger* Parona (1557) p. 583; Italy.
1883. *Tomocerus niger* Parona (1558) p. 456; Italy.
1887. *Macrotoma flavescens* Oudemans (1510) p. 66–; Anatomy.
1888. *Tomocerus niger* Dalla Torre (497) p. 145–; Tyrol.
1888. *Tomocerus niger* Parona (1563) p. 139; Italy.
1889. *Macrotoma flavescens* Moniez (1440) p. 260; France, wells and mines.
1890. *Macrotoma flavescens* Uzel (2050) pp. 48, 80; Distribution; Bohemia.
1891. *Tomocerus niger* Parfitt (1550) p. 333; England.
1893. *Tomocerus flavescens* Schott (1765) p. 42; Sweden; Norway; Finland; France; Germany; Bohemia.
1895. *Tomocerus flavescens* Dalla Torre (498) p. 11; Europe; Central and Boreal.
1895. *Tomocerus niger* Reuter (1643) p. 15; Finland; Hungary; Italy.
1896. *Tomocerus flavescens* Lie-Pettersen (1281) p. 11; Norway.
1896. *Tomocerus flavescens* Schaffer (1735) p. 205; Germany.
1897. *Tomocerus flavescens* Poppe and Schäffer (1607) p. 271; Germany.
1897. *Macrotoma flavescens* Willem and Sabbe (2138) p. 131; Physiology.
1898. *Tomocerus flavescens* Lie-Pettersen (1282) p. 8; Norway.
1898. *Tomocerus flavescens* Scherbakow (1750) p. 60; Kiev.
1898. *Tomocerus flavescens* Scherbakow (1751) p. 20; Kiev.
1899. *Tomocerus niger* Carpenter and Evans (402) p. 236, Pl. VII, fig. 16; Scotland.
1899. *Tomocerus flavescens* Carl (351) p. 4; France and Switzerland.
1899. *Tomocerus flavescens* Carl (352) p. 345; Switzerland.
1900. *Tomocerus niger* Schaffer (1739) p. 274; Germany.
1900. *Tomocerus flavescens* Skorikow (1831) p. 478; Russia.
1900. *Tomocerus niger* Vellay (2056) p. 21; Hungary.
1901. *Tomocerus flavescens* Absolon (11) p. 39; Czechoslovakia.
1901. *Tomocerus flavescens* Absolon (12) p. 110; Czechoslovakia.
1901. *Tomocerus flavescens* Absolon (20) p. 32; Czechoslovakia.
1901. *Tomocerus niger* Börner (234) p. 61; Germany.
1901. *Tomocerus niger* Boyd (268) p. 317; Scotland.
1901. *Tomocerus flavescens* Carl (354) p. 273; Switzerland.
1901. *Tomocerus niger* Evans (740) p. 152; Scotland.
1901. *Tomocerus flavescens* Krausbauer (1204) p. 83; Germany.
1902. *Tomocerus flavescens* Becker (158) p. 25; Russia.
1902. *Tomocerus niger* Folsom (781) p. 97, Pl. VIII, figs. 46, 47; Alaska.
1902. *Tomocerus flavescens* Krausbauer (1205) p. 1–; Germany.
1903. *Tomocerus plumbeus* Ågren (55) p. 144; South Sweden.
1903. *Tomocerus niger* Guthrie (951) p. 80, Pl. VI 10–12, Pl. VII 5; Discussion; Minnesota.
1904. *Tomocerus niger* Axelson (79) p. 75; Norway.
1904. *Macrotoma flavescens* Hoffman (1069) p. 114; Morphology.
1905. *Tomocerus plumbeus* Axelson (81) p. 35; Finland.
1905. *Tomocerus flavescens* Philiptschenko (1586) p. 1–; Russia.
1906. *Tomocerus plumbeus* Axelson (82) p. 20; Revals, Russia.
1906. *Tomocerus niger* Folsom and Welles (808) p. 101–; Physiology.
1906. *Tomocerus plumbeus* Wahlgren (2080) p. 261; Sweden.
1907. *Tomocerus plumbeus* Axelson (83) p. 131; Finland.
1907. *Tomocerus niger* Banta (141) pp. 55, 86; Mayfields Cave, Ind., U.S.A.
1908. *Tomocerus flavescens* Schille (1755) p. 9; Poland.
1909. *Pogonognathus beckeri* Börner (246) p. 134; Japan; cf. Handschin (981).
1909. *Pogonognathus plumbeus* Börner (246) p. 116; Taxonomy.
1912. *Pogonognathus plumbeus* Axelson (1292) p. 184; Finland; Systematics.

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* The names *Podura plumbea* L., *Podura celer* Mic. and *Podura celer* Bourlet are now regarded as *nomina dubia* and, therefore, indeterminate. Both names have been referred by different authors to either *Pogonognathellus flavescens* or *P. longicornis.* The name *Podura violacea* Geoffroy is also indeterminate. The names *P. plumbea* Geoffroy, *P. plombée* De Geer and *P. plumbea* Temp. are invalidated as *P. plumbea* is a *nomina dubia.* The species *M. niger* and *M. lepida* of Gervais are indeterminate also, and the name *flavescens* Tullberg 1871 becomes the first valid name for this species.

1912. *Tomocerus flavescens* Dahl (496) p. 421; Ecology.
1912. *Tomocerus flavescens* Schille (1756) p. 10; Galizien.
1912. *Tomocerus flavescens* Schille (2394) p. 127; Poland.
1913. *Tomocerus flavescens* Folsom (785) p. 457, Pl. 40, figs. 1, 2; Nomenclature; U.S.A.
1913. *Tomocerus flavescens* Kunhle (1225) p. 147; Morphology.
1916. *Pogonognathus plumbeus* Bartholin (149) p. 189; Denmark.
1920. *Pogonognathus plumbeus* Stach (1859) p. 170; Poland.
1924. *Tomocerus (Pogonognathus) flavescens* Handschin (981) p. 120; Switzerland.
1925. *Tomocerus (Pogonognathus) flavescens* Handschin (986) p. 233; Germany; Europe; Nth. America.
1925. *Tomocerus flavescens* Harnisch (1020) p. 69; Ecology.
1926. *Tomocerus flavescens* Handschin (988) p. 16, fig. 10; Biology.
1927. *Tomocerus flavescens* Handschin (999) p. 298; Germany; Westfalian peat bogs.
1928. *Tomocerus flavescens* Crampton (482) p. 130; Evolution.
1928. *Tomocerus (Pogonognathus) flavescens* Handschin (1003) p. 128; East Prussia.
1928. *Tomocerus flavescens* Handschin (1004) p. 24; Bulgaria.
1928. *Tomocerus flavescens* Krausse (1206) p. 118; Ecology.
1929. *Tomocerus (Pogonognathus) flavescens* Handschin (1008) p. 101; Europe; North America.
1930. *Tomocerus (Pogonognathus) flavescens* Buitendijk (334) p. 71; Holland.
1930. *Pogonognathus flavescens* Stach (1870) p. 61; Morphology; Spain.
1931. *Tomocerus flavescens* Boizowa (2357) p. 123; Ecology.
1931. *Tomocerus (Pogonognathus) flavescens* Bonet (205) p. 389; Bulgaria; Hungary; Italy; in caves.
1931. *Tomocerus (Pogonognathus) flavescens* Bonet (206) p. 99; Add. descr.
1931. *Pogonognathus plumbeus* Bonet (206) p. 99; Synonymy.
1932. *Tomocerus niger* Brown (312) p. 339; Distribution.
1932. *Tomocerus flavescens flavescens* Maynard (1391) p. 219; New York.
1932. *Tomocerus (Pogonognathus) flavescens* Stach (1871) p. 275; Germany.
1933. *Tomocerus flavescens* James (1124) p. 101; Canada.
1933. *Tomocerus flavescens flavescens* Mills and Rolfs (1431) p. 80; Washington.
1933. *Tomocerus flavescens* Schubert (1787) p. 184; Ecology.
1933. *Tomocerus flavescens* Schubert (1789) p. 1; Germany.
1934. *Pogonognathus flavescens* Agrell (37) p. 232; Ecology; Sweden.
1934. *Tomocerus (Pogonognathus) flavescens* Bonet (210) p. 364; Systematics.
1934. *Tomocerus (Pogonognathus) flavescens* Durkop (707) p. 509; Germany.
1934. *Tomocerus flavescens* Mills (1417) p. 83; Iowa.
1934. *Tomocerus niger* Perrier (1576) p. 36; = *flavescens*.
1934. *Tomocerus flavescens* Volz (2069) p. 170–; Ecology.
1935. *Tomocerus flavescens* Pax and Maschke (1573) p. 12–; Europe.
1935. *Tomocerus flavescens* Schubert (1790) p. 94; Europe.
1935. *Tomocerus flavescens* Schubert (1791) pp. 106–, 198–, 230–, 233–, 366–; Germany; Poland; Czechoslovakia.
1936. *Tomocerus flavescens* Pax and Maschke (1574) p. 139–; Ecology.
1936. *Tomocerus flavescens* Stammer (1900) p. 211; Schneeberghöhle.
1937. *Tomocerus flavescens* Frenzel (828) p. 296, fig. 125; Ecology.
1937. *Tomocerus (Pogonognathus) flavescens* Kseneman (1217) p. 471; Carpathians.
1937. *Tomocerus flavescens* Schubert (1792) p. 128; Palaearctic; Nearctic.
1938. *Pogonognathus flavescens* Kseneman (1220) p. 17; Europe; America.
1939. *Tomocerus flavescens* Bueker (332) p. 18, figs. 39–43; St Louis, U.S.A.
1939. *Tomocerus flavescens* Stach (1881) p. 398; Caves at Glatzer Schneebergen.
1941. *Tomocerus flavescens* Griepenburg (946) p. 74; Germany.
1941. *Tomocerus flavescens* Szent-Ivany (1947) p. 24; Hungary.
1942. *Tomocerus flavescens* Marlier (1375) p. 10; Belgium.
1942. *Tomocerus flavescens* Scott (1796) p. 183; West U.S.A.
1942. *Tomocerus flavescens* Toth (1997) p. 398; Anatomy.
1943. *Macrotoma flavescens* Agrell (47) p. 125; Sweden.
1943. *Tomocerus flavescens* Gisin (853) p. 177; Switzerland.
1943. *Tomocerus (Pogonognathus) flavescens* Tarsia in Curia (1956) p. 64; Italy; caves.
1945. *Macrotoma flavescens* Agrell (50) p. 10; Sweden; Finland; Habitats.
1949. *Tomocerus flavescens* Janetschek (1127) pp. 42, 135–143; Europe; Ecology.
1949. *Pogonognathus flavescens* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Tomocerus flavescens* Gisin (876) p. 95; Italy; caves.
1951. *Tomocerus (Pogonognathus) flavescens* Maynard (1393) p. 131, Pl. XIV, figs. 236, 237; New York.
1951. *Tomocerus flavescens* Praport (1610) p. 144; Poland.
1951. *Tomocerus flavescens* Schaller (1746) p. 464; Ecology.
1951. *Pogonognathus flavescens* Stach (1889) p. 100, figs. 6-D, 13, 57; Poland.
1951. *Tomocerus flavescens* Wilkey (2120) p. 79; Colorado.
1952. *Tomocerus flavescens* Mihelcic (1406) p. 96; Ecology.
1953. *Tomocerus flavescens* Birch and Clark (186) p. 18; Food of Collembola.
1953. *Tomocerus flavescens* Hammer (972) p. 64; Alaska; North Canada.
1954. *Tomocerus flavescens* Bellinger (174) p. 23; Connecticut.
1954. *Tomocerus (Pogonognathus) flavescens* Uchida (2030) p. 10; Japan.
1954. *Tomocerus (Pogonognathus) flavescens* Uchida (2032) p. 1–, fig. 3; Japan.
1954. *Pogonognathellus flavescens* Yosii (2231) p. 816; Japan.
1955. *Tomocerus flavescens* Goto (921) p. 268; Britain.
1955. *Pogonognathella flavescens* Stach (1893) p. 150, figs. 457–459; Europe; America.

1955. *Tomocerus (Pogonathus) flavescens* Strenzke (1926) p. 49; Europe.
1955. *Tomocerus (Pogononathus) flavescens* Uchida (2034) p. 200; Japan.
1956. *Tomocerus (Pogonognathellus) flavescens* Bockemuhl (193) p. 147; Spitzbergen.
1956. *Tomocerus flavescens* Goto (924) p. 49; Taxonomy.
1956. *Tomocerus flavescens* Paclt (1541) pp. 37, 87, 131.
1956. *Tomocerus flavescens* Wray and Knowlton (2214) p. 5; Idaho.
1956. *Pogonognathellus flavescens* Yosii (2235) p. 89, Pl. XLV, figs. 295–298; Japan.
1957. *Tomocerus flavescens* Gisin (898) p. 110–; Switzerland.
1957. *Tomocerus flavescens* Haarlov (2281) p. 15; Denmark; habitat.
1958. *Tomocerus (Pogonognathus) flavescens* Grindbergs (2276) p. 75–; Latvia.
1958. *Tomocerus (Pogonognathus) flavescens* Grindbergs (2277) p. 187–; Latvia.
1958. *Pogonognathellus flavescens* Kholova (1169) p. 235; Bohemia.
1958. *Pogonognathellus flavescens* Nosek (1503) p. 357–; Czechoslovakia.
1958. *Tomocerus longicornis* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1958. *Tomocerus flavescens* Simon (2335) p. 76; Collembola as food.
1958. *Tomocerus (Pogonognathellus) flavescens* von Torne (1993) p. 672; Austria.
1958. *Pogonognathellus flavescens* Uchida (2044) p. 18; Japan.
1959. *Tomocerus flavescens* Haybach (2375) Tab. VIII; Ecology.
1959. *Tomocerus (Pogonognathellus) flavescens* Paclt (2317) p. 342; Czechoslovakia.
1959. *Tomocerus flavescens* Poole (1604) p. 72–; Food of Collembola.
1959. *Pogonognathus flavescens* Stach (1896) p. 40; Poland.
1960. *Tomocerus flavescens* Gisin (2271) p. 253, fig. 460; Europe.
1960. *Tomocerus (Pogonognathellus) flavescens* Grindbergs (2373) p. 52; U.S.S.R.
1960. *Tomocerus (Pogonognathellus) flavescens* Paclt (2391) p. 157; Hungary.

Pogonognathellus flavescens americanus (Schött) 1896

TYPE: Mus. Comp. Zool., Harvard.
1873. *Tomocerus plumbeus* Packard (1521) p. 38; ad. partem; U.S.A.
1896. *Tomocerus americanus* Schött (1769) p. 169; North America.
1902. *Tomocerus niger americanus* Folsom (781) p. 101, Pl. VIII, fig. 53; North America.
1903. *Tomocerus arcticus* Guthrie (951) p. 1–; Minnesota.
1913. *Tomocerus flavescens americanus* Folsom (785) p. 460, Pl. 40, figs. 3, 4; U.S.A.; Synonymy.
1927. *Tomocerus flavescens americanus* Blake (189) pp. 75, 76, 93, Pls. VIII and XV; Ecology.
1928. *Tomocerus flavescens americanus* Handschin (1002) p. 542; Mexico.
1928. *Tomocerus lfavescens americanus* Smith (1840) pp. 479–488; Ecology.
1930. *Tomocerus flavescens americanus* Bird (187) pp. 518, 523; Open forests, Canada.
1931. *Tomocerus (Pogonognathus) flavescens americanus* Bonet (205) p. 389; U.S.A.
1931. *Pogonognathus plumbeus americanus* Denis (639) p. 231; America.
1932. *Tomocerus niger americanus* Brown (312) p. 339; Distribution.
1933. *Tomocerus flavescens americanus* James (1124) p. 101; Canada.
1933. *Tomocerus flavescens americanus* Mills and Rolfs (1431) p. 80; Washington.
1937. *Tomocerus flavescens americanus* Wolcott (2144) p. 26; New York; Ecology.
1938. *Tomocerus flavescens americanus* Brimley (275) p. 16; North Carolina.
1939. *Tomocerus flavescens americanus* Savely (1729) p. 377; Ecology.
1942. *Tomocerus flavescens americanus* Scott (1796) p. 183; West U.S.A.
1946. *Tomocerus flavescens americanus* Pearse (1575) p. 139; Ecology.
1951. *Tomocerus (Pogonognathus) flavescens americanus* Maynard (1393) p. 134, Pl. XIV; New York.
1953. *Tomocerus flavescens americanus* Hammer (972) p. 57; North Canada.
1953. *Tomocerus flavescens amenicanus* Mills and Richards (1430) p. 59; North Canada.
1956. *Tomocerus flavescens americanus* Wray and Knowlton (2214) p. 5; Idaho.
1959. *Tomocerus flavescens americanus* Wilkey (2349) p. 224; California.

Pogonognathellus flavescens arcticus (Schött) 1894

1894. *Tomocerus arcticus* Schott (1765) p. 43, Pl. 3, figs. 8, 9; Siberia (Tschuktschland).
1895. *Tomocerus arcticus* Dalla Torre (498) p. 11; Siberia.
1900. *Tomocerus arcticus* Schaffer (1738) p. 251; Siberia.
1902. *Tomocerus niger arcticus* Folsom (781) p. 100, Pl. VIII, figs. 48–52; Alaska.
1903. *Tomocerus arcticus* Guthrie (951) p. 79, Pl. VI, Pl. VII; Minnesota.
1913. *Tomocerus flavescens arcticus* Folsom (785) p. 462, Pl. 40, figs. 5, 6; U.S.A.; Alaska.
1932. *Tomocerus niger arcticus* Brown (312) p. 339; Distribution.
1932. *Tomocerus flavescens arcticus* Maynard (1391) p. 219; New York.
1933. *Tomocerus flavescens arcticus* James (1124) p. 101; Canada.
1933. *Tomocerus flavescens arcticus* Mills and Rolfs (1431) p. 80; Washington.
1937. *Tomocerus flavescens arcticus* Scott (1795) p. 133; California.
1940. *Tomocerus flavescens arcticus* Yosii (2226) p. 189; Japan.
1942. *Tomocerus flavescens arcticus* Scott (1796) p. 183; West U.S.A.
1948. *Tomocerus flavescens arcticus* Spencer (1851) p. 22; Canada.
1951. *Tomocerus (Pogonognathus) flavescens arcticus* Maynard (1393) p. 134; New York.

Pogonognathellus flavescens separatus (Folsom) 1913

TYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1913. *Tomocerus flavescens separatus* Folsom (785) p. 460, Pl. 40, figs. 1, 2; U.S.A.
1927. *Tomocerus flavescens separatus* Blake (189) p. 62; Ecology.
1931. *Tomocerus (Pogonognathus) flavescens separatus* Bonet (205) p. 389; U.S.A.
1931. *Pogonognathus plumbeus separatus* Denis (639) p. 231; America.

1933. *Tomocerus flavescens separatus* James (1124) p. 101; Canada.
1933. *Tomocerus flavescens separatus* Mills and Rolfs (1431) p. 80; Washington.
1937. *Tomocerus flavescens separatus* Frenzel (828) p. 314; Ecology.
1937. *Tomocerus flavescens separatus* Wolcott (2144) p. 26; New York; Ecology.
1938. *Tomocerus flavescens separatus* Brimley (275) p. 16; North Carolina.
1938. *Tomocerus flavescens separatus* Mills (1421) p. 16; North Carolina.
1946. *Tomocerus flavescens separatus* Pearse (1575) p. 139; Ecology.
1949. *Tomocerus flavescens separatus* Delamare Deboutteville (565) p. 117; North Carolina.
1951. *Tomocerus (Pogonognathus) flavescens separatus* Maynard (1393) p. 135, Pl. XIV, 240; New York.
1958. *Tomocerus (Pogonognathus) flavescens separatus* Grindbergs (2276) p. 76; Latvia.
1958. *Tomocerus (Pogonognathus) flavescens separatus* Grindbergs (2277) p. 202; Latvia.
1959. *Tomocerus flavescens separatus* Wilkey (2349) p. 224; California.

***Pogonognathellus folsomi** (Denis) 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Tomocerus folsomi* Denis (633) p. 315, fig. IX, p. 316; Yunnan.

†Pogonognathellus longicornis (Müller) 1776

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1746. *Podura teres plumbea* Linné (1299) p. 342; Europe.
1758. *Podura plumbea* Linné (1300) p. 609; Europe.
1761. *Podura plumbea* Linné (1301) p. 473.
1762. *Podura plumbea* Geoffroy (837) p. 610; Europe.
1764. *Podura plumbea* Müller (1469) p. 89; Europe.
1775. *Podura plumbea* Müller (1471) p. 1018; Europe.
1776. *Podura longicornis* Müller O.F. (1470) p. 183–; Denmark.
1778. *Podura plumbea* De Geer (532) p. 31, Pl. 3, figs. 1–4; Europe.
1783. *Podura gigas* Fabricius (752) p. 302; Norway; Jutland.
1783. *Podura longicornis* Fabricius (752) p. 305, fig. 6; Europe.
1793. *Podura plumbea* Fabricius (749) p. 67; Europe.
1793. *Podura longicornis* Gmelin (910) p. 2911; Europe.
1793. *Podura plumbea* Gmelin (910) p. 2908; Europe.
1802. *Podura plombée* Latreille (1241) p. 73; Europe.
1803. *Podura plumbea* Latreille (1242) p. 172; Europe.
1806. *Podura plumbea* Latreille (1244) p. 166–; Europe.
1810. *Podura plumbea* Latreille (1245) p. 423; Classification.
1815. *Podura plumbea* Leach (1254) p. 77; Europe.
1821. *Tomocerus bicolor* Say (1730) p. 13; U.S.A.
1821. *Tomocerus iricolor* Say (1730) p. 13; U.S.A.
1827. *Podura plumbea* Brébisson (272) p. 273; France.
1835. *Podura plumbea* Lacord. and Bois. (196) p. 113; Europe.
1835. *Podura plumbea* Templeton (1957) p. 93, Pl. XI, fig. 4; Ireland.
1839. *Macrotoma ferruginosa* Bourlet (259) p. 390; Europe.
1839. *Macrotoma longicornis* Bourlet (259) p. 390; Europe.
1839. *Macrotoma nigra* Bourlet (259) p. 390; Europe.
1839. *Macrotoma plumbea* Bourlet (259) p. 389, fig. 5; Europe.
1839. *Podura plumbea* Burmeister (339) p. 449; Europe.
1840. *Podura plumbea* Lucas (1326) p. 564, Pl. I, fig. 2.
1841. *Macrotoma plumbea* Bourlet (261) p. 102; Europe.
1841. *Macrotoma spiricornis* Bourlet (261) p. 103, fig. 21; France.
1842. *Macrotoma plumbea* Bourlet (265) p. 13, Pl. I, figs. 1–5.
1842. *Podura plumbea* Erichson (730) p. 312; Europe.
1842. *Tomocerus celer* Nicolet (1493) p. 69, Pl. 7, fig. 9; Systematics.
1842. *Tomocerus plumbeus* Nicolet (1493) p. 68, Pl. 6, fig. 12; Europe; cf. Collinge (472).
1843. *Macrotoma plumbea* Bourlet (265) p. 13, figs. 1–5; Europe.
1844. *Macrotoma ferruginosa* Gervais (841) p. 408; Europe.
1844. *Macrotoma lepida* Gervais (841) p. 407; Europe.
1844. *Macrotoma longicornis* Gervais (841) p. 408, Pl. 50, fig. 8; Europe.
1844. *Macrotoma plumbea* Gervais (841) p. 407; Europe.
1844. *Tomocerus longicornis* Lucas (1327) p. 287; Synonymy.
1844. *Tomocerus plumbeus* Lucas (1327) p. 287; Synonymy.
1845. *Macrotoma plumbea* Bourlet (266) p. 68; Europe.
1860. *Tomocerus plumbeus* Wankel (2100) p. 203; Czechoslovakia.
1847. *Tomocerus plumbeus* Nicolet (1496) p. 394, Pl. V, fig. 26, Pl. VI, fig. 12; Europe.
1862. *Macrotoma plumbea* Lubbock (1315) p. 598, Pl. 59, figs. 11–14; Europe.
1868. *Macrotoma plumbea* Lubbock (1316) p. 598, Pl. LIX, figs. 11–14; Add descr.; England.
1869. *Macrotoma plumbea* MacIntire (1349) p. 203–, figs. 5–6; Morphology.
1869. *Macrotoma plumbea* Porath (1608) p. 652; Scandinavia.
1870. §*Macrotoma major* Pigott (2392); Scale morphology.
1871. §*Macrotoma major* MacIntire (1351) p. 12, Pl. LXXI; Scales.
1871. §*Podura plumbea* MacIntire (1351) p. 12; Absence of scales.
1871. *Tomocerus plumbeus* Packard (1518) p. 99; U.S.A.

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* The maxilla head in this species is lightly bearded and more of the type characteristic of *Pogonognathellus*.

† The name *P. longicornis* appears to be the earliest valid name that can be identified with this species and, therefore, takes precedence over earlier names. This was indicated fairly concisely by Ågren 1903 (55) p. 144. For further details see also footnote to the species *P. flavescens*.

§ The specific name "major" used in the name *Macrotoma major* by Pigott in 1870 in discussing McIntire's descriptions of Podura scales appears to be a specific name of his own making to describe the well-known species *Tomocerus longicornis*. McIntire in his 1871 paper (1351) dealing with insect scales discusses and illustrates this species *plumbeus* under the name *Macrotoma plumbea* but shows a figure of its scales under the title of *Macrotoma major*.

1871. *Macrotoma rufescens* Tullberg (2002) p. 149; Scandinavia; cf. Handschin (1008).
1872. *Macrotoma flavescens* Tullberg (2003) p. 1–; Sweden.
1872. *Macrotoma plumbea* Tullberg (2003) p. 37, Pl. V, figs. 7–16; Sweden.
1873. *Isotoma bicolor* Lubbock (1318) p. 177; North America.
1873. *Lepidocyrtus iricolor* Lubbock (1318) p. 157; Pennsylvania.
1873. *Tomocerus longicornis* Lubbock (1318) p. 137, Pls. XVII, XVIII, and 67; Europe.
1873. *Tomocerus niger* Lubbock (1318) p. 139; Europe.
1873. *Tomocerus plumbeus* Packard (1521) p. 38; Maine; Massachusetts; Texas.
1876. *Macrotoma plumbea* Reuter (1628) p. 81; Finland.
1876. *Tomocerus longicornis* Tullberg (2004) p. 23–; Scandinavia.
1877. *Tomocerus plumbeus* Packard (1523) p. 158; Utah.
1878. *Tomocerus plumbeus* Parona (1557) p. 582; Italy.
1880. *Macrotoma plumbea* Reuter (1629) p. 206; Scotland.
1881. *Tritomurus longicornis* Joseph (1149) p. 263; South Austria, caves.
1881. *Tomocerus plumbeus* Packard (1525) p. 232; Caves in Virginia, U.S.A.
1883. *Tomocerus plumbeus* Brook (291) p. 24; Britain.
1883. *Tomocerus longicornis* Parona (1558) p. 455; Italy.
1883. *Tomocerus plumbeus* Parona (1558) p. 455; Italy.
1884. *Macrotoma plumbea* Sommer (1845) p. 1–; Morphology.
1885. *Macrotoma plumbea* Sommer (1846) p. 637–; Morphology.
1887. *Macrotoma plumbea* Oudemans (1510) p. 97; Systematics; Anatomy.
1888. *Macrotoma* (*Tomocerus*) *plumbea* Oudemans (1511) pp. 166, 179, 196, 198, 213, 205; Biology.
1888. *Tomocerus longicornis* Parona (1563) p. 139; Italy.
1888. *Tomocerus plumbeus* Parona (1563) p. 138; Italy.
1890. *Tomocerus plumbeus* Reuter (1643) p. 15; Finland; Europe.
1890. *Macrotoma plumbea* Uzel (2050) p. 47; Bohemia; Distribution.
1891. *Tomocerus plumbeus* MacGillivray (1341) p. 272; North America.
1891. *Tomocerus longicornis* Parfitt (1550) p. 332; England.
1891. *Tomocerus plumbeus* Parfitt (1550) p. 332; England; Systematics.
1891. *Tomocerus plumbeus* Reuter (1641) p. 228; Siberia.
1891. *Macrotoma plumbea* Uzel (2051) p. 920; Helgoland.
1893. *Tomocerus flavescens* Schott (1765) p. 42; Sweden.
1893. *Tomocerus plumbeus* Schott (1765) p. 43; Sweden; Finland; England; Germany; Hungary; Czechoslovakia.
1895. *Tomocerus plumbeus* Parona (1565) p. 697; Argentina.
1895. *Tomocerus niger* Reuter (1643) p. 15; Finland; Hungary; Italy.
1895. *Tomocerus plumbeus* Reuter (1643) p. 15; Finland.
1896. *Tomocerus plumbeus* Lie-Pettersen (1281) p. 11; Norway.
1896. *Tomocerus flavescens* Schäffer (1735) p. 204; Germany.
1896. *Tomocerus plumbeus* Schäffer (1735) p. 204; Germany.
1897. *Tomocerus tridentiferus* Carpenter (365) p. 227; Ireland; cf. Börner (245).
1897. *Tomocerus plumbeaus* Poppe and Schaeffer (1607) p. 271; Germany.
1899. *Tomocerus plumbeus* Carl (351) p. 4; France; Switzerland.
1899. *Tomocerus plumbeus* Carl (352) p. 344; Switzerland.
1899. *Tomocerus plumbeus* Carpenter and Evans (402) p. 235; Scotland; = *T. longicornis*.
1900. *Tomocerus plumbeus* Absolon (3) p. 62; Czechoslovakia.
1900. *Macrotoma plumbea* Absolon (4) p. 3; Czechoslovakia.
1900. *Tomocerus plumbea* Lecaillon (1258) p. 71; France.
1900. *Macrotoma plumbea* Prowazek (1614) p. 337–; Morphology.
1900. *Tomocerus longicornis* Prowazek (1614) p. 356–; Morphology.
1900. *Tomocerus plumbeus* Schaffer (1738) p. 251; N.W. Siberia; North and Mid Europe.
1900. *Tomocerus niger* Schaffer (1739) p. 274; Germany.
1900. *Tomocerus plumbeus* Schaffer (1739) p. 273; Germany.
1900. *Tomocerus plumbeus* Vellay (2056) p. 21; Hungary.
1900. *Tomocerus plumbeus* Willem (2123) p. 44, Pl. IX; Systematics.
1901. *Tomocerus plumbeus* Absolon (11) p. 39; Czechoslovakia.
1901. *Tomocerus plumbeus* Absolon (12) p. 110; Systematics.
1901. *Podura plumbea* Börner (230) p. 698; Europe.
1901. *Tomocerus niger* Börner (234) p. 61; Germany.
1901. *Tomocerus plumbeus* Börner (234) p. 60; Central Europe.
1901. *Tomocerus plumbeus* Boyd (268) p. 317; Scotland.
1901. *Tomocerus plumbeus* Bryan (328) p. 153; England.
1901. *Tomocerus plumbeus* Evans (739) p. 155; Scotland.
1901. *Tomocerus plumbeus* Krausbauer (1204) p. 83; Germany.
1902. *Tomocerus plumbeus* Becker (158) p. 25, fig. 11; Russia.
1902. *Tomocerus plumbeus* Voigts (2067) p. 524; Germany.
1902. *Podura plumbea* Voights (2067) p. 524; Germany.
1903. *Tomocerus longicornis* Ågren (55) p. 144; Sweden.
1903. *Tomocerus plumbeus* Ågren (55) p. 144; Sweden; Synonymy.
1904. *Tomocerus plumbeus* Hoffman (1069) p. 87; Physiology.
1905. *Tomocerus longicornis* Axelson (81) p. 36; Tvärminne, Finland.
1905. *Tomocerus niger* Bourlet, Axelson (81) p. 35; Finland.
1905. *Tomocerus plumbeus* Axelson (81) p. 35; Tvärminne, Finland.
1905. *Tomocerus plumbeus* Hoffman (1070) p. 640; Morphology.
1905. *Tomocerus unita* Hoffman (1070) p. 650; Morphology.
1906. *Tomocerus plumbeus* Axelson (82) p. 20; Russia.

1906. *Tomocerus plumbeus* Lie-Pettersen (1284) p. 65; Norway.
1906. *Tomocerus plumbeus* Navas (1483) p. 166, Pl. X, fig. 6; Spain.
1906. *Tomocerus plumbeus* De Pitarque (1596) p. 100; Bolivia.
1906. *Tomocerus longicornis* Wahlgren (2080) p. 261, fig. 24; Sweden.
1906. *Tomocerus plumbeus* Wahlgren (2080) p. 261; Sweden; Systematics.
1907. *Tomocerus longicornis* Axelson (83) p. 131; Finland.
1907. *Tomocerus plumbeus* Axelson (83) p. 131; Finland.
1907. *Tomocerus plumbeus* Carpenter (378) p. 54; Ireland.
1908. *Pogonognathus plumbeus* Börner (245) p. 66, Pl. VII, fig. 14; South Africa.
1908. *Tomocerus plumbeus* Evans (741) p. 196; Scotland.
1908. *Tomocerus plumbeus* Foster (814) p. 23; England.
1908. *Tomocerus plumbeus* Hoffman (1071) pp. 598–689, 5 Pls., 42 figs.; Morphology; Physiology.
1908. *Tomocerus plumbeus* Schille (1755) p. 9; Poland.
1909. *Tomocerus plumbeus* Dow and Smith (692) p. 35; New Jersey.
1910. *Tomocerus longicornis* Carpenter (385) p. 185.
1910. *Tomocerus plumbeus* Collinge (464) p. 10; England.
1910. *Tomocerus longicornis* Collinge and Shoebotham (472) p. 112; England.
1911. *Tomocerus plumbeus* Axelson (1291) p. 20; Norway.
1911. *Tomocerus plumbeus* Hoffman (1073) pp. 353–377; Development.
1912. *Pogonognathus longicornis* Axelson (1292) p. 182; Add. descr.; Finland.
1912. *Pogonognathus plumbeus* Axelson (1292) p. 184; Finland.
1912. *Tomocerus plumbeus* Dahl (496) p. 421; Ecology.
1912. *Tomocerus plumbeus* Schille (1756) p. 9; Galizien.
1913. *Tomocerus longicornis* Carpenter (388) p. 8; Clare I., Ireland.
1913. *Pogonognathus plumbeus* Folsom (785) p. 457, figs. 1–10, Pl. 40, figs. 1, 2; North America.
1916. *Tomocerus longicornis* Bartholin (149) p. 188; Denmark.
1916. *Pogonognathus plumbeus* Bartholin (149) p. 189; Denmark.
1918. *Podura plumbea* Henriksen and Lundbeck (1044) p. 737; Greenland.
1919. *Pogonognathus longicornis* Wahlgren (2089) p. 751; Sweden.
1920. *Pogonognathus longicornis* Stach (1859) p. 169; Poland; Europe; Siberia.
1920. *Pogonognathus plumbeus* Stach (1859) p. 170; Poland.
1921. *Tomocerus longicornis* Brown (301) p. 143; Isle of Wight.
1921. *Pogonognathus longicornis* Denis (607) p. 126; France.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1922. *Pogonanathus plumbeus* Latzel (1250) p. 61; Austria.
1922. *Tomocerus longicornis* Latzel (1250) p. 61; Austria.
1922. *Pogonognathus plumbeus* Stach (1860) p. 24; Hungary.
1923. *Tomocerus (Pogonognathus) longicornis* Brown (302) p. 262; England.
1923. *Pogongnathus longicornis* Stach (1863) p. 10; Systematic note.
1923. *Pogonognathus plumbeus* Stach (1863) p. 11; Germany.
1923. *Tomocerus (Pogonognathus) longicornis* Womersley (2147) p. 33; S.W. England.
1923. *Tomocerus (Pogonanathus) plumbeus* Womersley (2147) p. 33; S.W. England.
1924. *Pogonognathus longicornis* Denis (614) p. 292; France.
1924. *Pogonognathus plumbeus* Denis (614) p. 261; France.
1924. *Pogonognathus plumbeus* Handschin (981) p. 120; Switzerland.
1924. *Tomocerus (Pogonognathus) longicornis* Handschin (981) p. 120; Switzerland.
1924. *"Isotoma plumbea"* Thompson (1970) p. 361; Ecology.
1925. *Pogonognathus longicornis* Denis (617) p. 211; Italy.
1925. *Pogonognathus plumbeus* Denis (617) p. 211; Italy.
1925. *Pogonanathus plumbeus* Denis (621) p. 268; Maritime Alps.
1925. *Tomocerus plumbeus* Handlirsch (975) p. 406, fig. 306; Taxonomy.
1925. *Tomocerus longicornis* Handlirsch (976) p. 609; List.
1925. *Tomocerus plumbeus* Handlirsch (976) pp. 609, 612; List.
1925. *Pogonognathus plumbeus* Handschin (986) p. 233; Germany.
1925. *Pogonognathus plumbeus* Harnisch (1020) p. 68; Ecology.
1925. *Tomocerus plumbeus* Teodoro (1959) p. 124; Italy.
1925. *Tomocerus (Pogonognathus) longicornis* Womersley (2148) p. 169; S.W. England.
1926. *Tomocerus longicornis* Brown (307) p. 334; England.
1927. *Pogonognathus plumbeus* Denis (629) p. 197; Italy.
1927. *Tomocerus (Pogonognathus) longicornis* Womersley (2154) p. 377; S.W. England.
1928. *Tomocerus flavescens americana* Handschin (1002) p. 542; North America.
1928. *Tomocerus flavescens americana* Handschin (1003) p. 128.
1928. *Tomocerus flavescens americana* Handschin (1004) p. 24; Bulgaria.
1928. *Tomocerus plumbeus* Int. Comm. Zool. Nomcl. (1098) p. 17; Taxonomy.
1929. *Tomocerus (Pogonognathus) longicornis* Handschin (1008) p. 101, fig.186; North and South America; Palaearctic.
1929. *Tomocerus flavescens americana* Stach (1869) p. 293.
1930. *Tomocerus (Pogonognathus) longicornis* Buitendijk (334) p. 71; Holland.
1930. *Tomocerus (Pogononathus) flavescens* Stach (1869) p. 293; Europe; U.S.A.
1930. *Tomocerus (Pogonognathus) longicornis* Stach (1869) p. 293.
1930. *Tomocerus plumbeus* Stach (1869) p. 293; Synonymy.
1930. *Pogonognathus plumbeus* Stach (1870) p. 61; Spain.
1930. *Pogonognathus longicornis* Womersley (2168) p. 182; Ireland.
1931. *Pogonognathus longicornis* Denis (639) p. 231; Germany.

1931. *Tomocerus plumbeus* Matsumara and Uchida (1386) p. 6, and fig.; Japan.
1932. *Tomocerus longicornis* Carpenter (401) p. 122; Britain.
1932. *Tomocerus* (*Pogonognathus*) *longicornis* Stach (1871) p. 294; Germany.
1933. *Tomocerus* (*Pogonognathus*) *longicornis* Denis (644) p. 211; Yugoslavia.
1933. *Pogonanathus plumbeus* Denis (644) p. 221; Yugoslavia.
1933. *Tomocerus longicornis* Schubert (1787) p. 181; Ecology.
1933. *Tomocerus longicornis* Schubert (1789) p. 2; Germany.
1933. *Pogonognathus longicornis* Turk (2007) p. 94; Britain.
1933. *Pogonagnathus plumbeus* Turk (2007) p. 94; Britain.
1934. *Tomocerus* (*Pogonognathus*) *longicornis* Davis (522) p. 122; Wales.
1934. *Tomocerus* (*Pogonognathus*) *longicornis* Durkop (707) p. 509; Germany.
1934. *Tomocerus plumbeus* Perrier (1576) p. 36; = *longicornis*.
1934. *Tomocerus longicornis* Volz (2069) p. 174; Ecology.
1935. *Tomocerus* (*Pogonognathus*) *lonicornis* Denis (652) p. 331; Yugoslavia.
1935. *Pogonanathus plumbeus* Denis (652) p. 331; Yugoslavia.
1935. *Tomocerus longicornis* Pax and Maschke (1573) p. 25–; Europe.
1935. *Tomocerus longicornis* Schubert (1790) p. 94; Europe.
1935. *Tomocerus longicornis* Schubert (1791) p. 106–, p. 200–, p. 366–; Germany.
1935. *Tomocerus longicornis* Volz (2070) p. 143–; Microscope techniques.
1936. *Pogonanathus plumbeus* Bornebusch (227) p. 39; Denmark.
1936. *Pogonognathus plumbeus* Nordberg (1500) p. 34–; Ecology.
1937. *Pogonognathus plumbeus* Denis (663) p. 56; Italy.
1937. *Tomocerus* (*Pogonognathus*) *longicornis* Drenowski (695) p. 4; Bulgaria.
1937. *Tomocerus* (*Pogonognathus*) *plumbeus* Drenowski (695) p. 4; Bulgaria.
1937. *Tomocerus longicornis* Frenzel (828) p. 305; Ecology.
1937. *Tomocerus* (*Pogonognathus*) *longicornis* Kseneman (1217) p. 471; Carpathians.
1937. *Tomocerus longicornis* Schubert (1792) p. 128; Palaearctic.
1938. *Tomocerus* (*Pogonognathus*) *longicornis* Denis (665) p. 159; Italy.
1938. *Pogonognathus plumbeus* Denis (665) p. 159; Add. descr., Italy.
1938. *Tomocerus longicornis* Szent-Ivany (1944) p. 92; Hungary.
1939. *Tomocerus* (*Pogonognathus*) *longicornis* Strouhal (1931) p. 264; Ecology.
1939. *Tomocerus* (*Pogonognathus*) *plumbeus* Strouhal (1931) p. 264; Synonymy.
1940. *Architomocerura litsteriana* Bagnall (122) p. 173; cf. Gisin (2271).
1940. *Tomocerus plumbeus* Strouhal (1932) p. 413–; Ecology.
1940. *Tomocerus longicornis* Szent-Ivany (1945) p. 120; Hungary.
1941. *Tomocerus* (*Pogonognathus*) *longicornis* Buitendijk (336) p. 73, fig. 19; Netherlands.
1941. *Tomocerus* (*Pogonognathus*) *longicornis* Buitendijk (336) p. 74; Netherlands; Europe and North America.
1941. *Tomocerus plumbeus* Griepenburg (946) p. 74; Germany.
1942. *Tomocerus longicornis* Marlier (1375) p. 10; Belgium.
1942. *Pogonognathus plumbaeus* Tahvonen (1949) p. 204–; Finland.
1942. *Tomocerus longicornis* Toth (1997) p. 398, fig. 26; Anatomy.
1943. *Tomocerus longicornis* Carpenter (401) p. 122; Britain.
1943. *Tomocerus longicornis* Gisin (853) p. 177; Switzerland.
1946. *Pogonognathus longicornis* Delamare Deboutteville (542) p. 100; Portugal.
1946. *Pogonagnathus plumbea* Phillips (1585) p. 218; Ecology.
1949. *Tomocerus plumbeus* Carpentier (406) p. 48, figs. 4, 5; Morphology.
1949. *Pogonognathus longicornis* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Tomocerus plumbeus* Hemming (1041) pp. 504–506; Taxonomy.
1951. *Pogonognathus longicornis* Cassagnau and Delamare Deboutteville (593) p. 2; Mid France.
1951. *Tomocerus longicornis* Schaller (1746) p. 464; Ecology.
1953. *Podura longicornis* Hazelton and Glennie (1037) p. 273; Britain.
1953. *Tomocerus plumbeus* Ruppel (1670) p. 435.
1955. *Pogonognathus plumbeus* Chopard (434) p. 22, Pl. I, fig. 13; France.
1955. *Tomocerus longicornis* Goto (921) p. 268; Britain.
1955. *Tomocerus longicornis* Lengersdorf (1277) p. 168; Germany.
1955. *Pogonognathellus longicornis* Stach (1893) p. 150, figs. 455–456; Holarctic.
1955. *Tomocerus* (*Pogonathus*) *longicornis* Strenzke (1926) p. 49; Europe.
1956. *Tomocerus* (*Pogonognathellus*) *longicornis* Goto (924) p. 49; Taxonomy.
1956. *Tomocerus longicornis* Paclt (1541) pp. 48, 87; Biology.
1956. *Tomocerus* (*Pogonognathellus*) *longicornis* Paclt (1542) p. 273; Systematics.
1956. *Tomocerus* (*Pogonognathus*) *longicornis* Scudder (1803) p. 221; Wales.
1956. *Pogonognathus longicornis* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Pogonognathus plumbeus* Stevanovic (1903) p. 4–; Yugoslavia.
1957. *Tomocerus longicornis* Mayer (1390) p. 503–, fig. 11; Biology.
1957. *Tomocerus plumbeus* Mayer (1390) p. 541, fig. 39; Physiology.
1957. *Tomocerus plumbeus* Plavil'shchikov (1599) p. 26; Moscow.
1957. *Tomocerus longicornis* Poole (1603) p. 109–; Ecology.
1958. *Tomocerus* (*Pogonognathus*) *longicornis* Grindbergs (2276) p. 76; Latvia.
1958. *Tomocerus* (*Pogonognathus*) *longicornis* Grindbergs (2277) p. 202; Latvia.
1958. *Pogonognathellus longicornis* Kholova (1169) p. 235; Bohemia.
1958. *Pogonognathellus longicornis* Nosek (1503) p. 357; Czechoslovakia.
1958. *Tomocerus longicornis* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.

1958. *Tomocerus longicornis* Simon (2335) p. 76; Collembola as food.
1958. *Tomocerus longicornis* von Torne (1993) p. 672; Austria.
1959. *Tomocerus longicornis* Haybach (2375) Tab. VIII; Ecology.
1959. *Tomocerus* (*Pogonathellus*) *longicornis* Lawrence (2294) p. 120–; England.
1959. *Tomocerus longicornis* Poole (1604) p. 76–; Food of Collembola.
1959. *Tomocerus* (*Pogonognathus*) *longicornis* Strebel (2344) p. 92–; Germany.
1960. *Podura bicolor* Gisin (2271) p. 253; Europe.
1960. *Podura iricolor* Gisin (2271) p. 253; Europe.
1960. *Tomocerus longicornis* Gisin (2271) p. 252, fig. 461; Europe.
1960. *Tomocerus* (*Pogonognathellus*) *longicornis* Grindbergs (2373) p. 53; U.S.S.R.
1960. *Tomocerus* (*Pogonognathellus*) *longicornis* Paclt (2391) p. 157; Hungary.

Pogonognathellus longicornis albus (Packard) 1877

1877. *Tomocerus plumbea alba* Packard (1523) p. 159; Utah.

Pogonognathellus longicornis pallidus (Packard) 1889

1889. *Tomocerus plumbeus pallidus* Packard (1527) p. 65; North America.
1933. *Tomocerus plumbeus pallidus* Giovannoli (848) p. 615; Kentucky.
1960. *Tomocerus pallidus* Christiansen (2364) p. 42; North America, caves.

Pogonognathellus modificatus (Yosii) 1955

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., **Japan.**
1955. *Monodontocerus modificatus* Yosii (2233) p. 394, fig. 8; Tokara Is.
1956. *Monodontocerus modificatus* Yosii (2235) p. 88, Pl. XLI, fig. 239, Pl. XLIII, figs. 263, 264; Japan.

Pogonognathellus modificatus satsumensis (Yosii) 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Monodontocerus modificatus satsumensis* Yosii (2235) p. 89; **Japan.**

Genus: APHAENOMURUS Yosii, 1956 (2235) p. 86.
Type species fixed: *A. interpositus* by Yosii, 1956 (2235) p. 86.

Aphaenomurus interpositus Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Aphaenomurus interpositus* Yosii (2235) p. 86, Pl. XLI, fig. 240, Pl. XLIII, figs. 259–261, Pl. XLV, figs. 287–288; Japan.
1957. *Aphaenomurus interpositus* Nomura (1499) p. 68; Japan.

Aphaenomurus interpositus denticulatus Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Aphaenomurus interpositus denticulatus* Yosii (2235) p. 87, Pl. XLIII, fig. 262; Japan.

Genus: TOMOCERUS Nicolet, 1841 (1493) p. 67.
= *Macrotoma* Bourlet, 1839 (259) p. 388.
= *Tomocerina* Yosii, 1956 (2235) p. 78.
Type species fixed: *T. minor* (Lubbock) by Int. Comm. Zool. Nom., 1952 (1099) p. 506.
Tomocerus Nicolet, Placed on Official List of Generic Names, 1958, Int. Comm. (2377) p. 82.

Tomocerus anophthalmus Absolon, 1901

1901. *Tomocerus anophthalmus* Absolon (16) p. 88, figs. 9–10; France.
1901. *Tomocerus anophthalmus* Vire (2061) p. 171; France.
1901. *Tomocerus anophthalmus* Vire (2062) p. 111, figs. 6–7; France.

Tomocerus asahinai Yosii, 1954

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1954. *Tomocerus asahinai* Yosii (2231) p. 814, fig. 30; Japan.

Tomocerus baschkiricus Skorikow, 1900

1900. *Tomocerus baschkiricus* Skorikow (1831) p. 473, figs. 1–5; East Russia.
1902. *Tomocerus baschkiricus* Skorikow (1836) p. 75, figs. 1–5; Oriental Russia.
1931. *Tomocerus baschkiricus* Bonet (205) p. 388; Russia.
1960. *Tomocerus baschkiricus* Gisin (2271) p. 256; Russia.
1960. *Tomocerus* (*Tomocerus*) *baschkiricus* Grindbergs (2373) p. 54; U.S.S.R.

Tomocerus baudoti Denis, 1932

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1932. *Tomocerus baudoti* Denis (641) p. 375, fig. VII 1–5; France.
1943. *Tomocerus baudoti* Gisin (853) p. 176; Switzerland.
1946. *Tomocerus baudoti* Gisin (857) p. 222, fig. 2; Morphology.
1949. *Tomocerus baudoti* Schaller (1742) p. 268; Germany; Ecology.
1960. *Tomocerus baudoti* Gisin (2271) p. 255, figs. 56, 464; Europe.

Tomocerus botanicus Cassagnau, 1962

TYPE: Lab. Zool., Fac. Sci., Toulouse Univ., France.
1962. *Tomocerus botanicus* Cassagnau (2445) p. 230, fig. 1; Toulouse.

Tomocerus brevimucronatus Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Tomocerus brevimucronatus* Denis (632) p. 176, fig. VI; Oregon.
1931. *Tomocerus brevimucronatus* Bonet (205) p. 388; U.S.A.
1960. *Tomocerus brevimucronata* Christiansen (2364) p. 42; North America, caves.

Tomocerus catalanus Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Tomocerus catalanus* Denis (615) p. 198; France.
1925. *Tomocerus catalanus* Denis (618) p. 565, fig. V; France.
1928. *Tomocerus catalanus* Bonet (198) p. 254, fig. 1; Spain; Add. descr.
1929. *Tomocerus catalanus* Bonet (199) p. 12; Spain.
1930. *Tomocerus catalanus* Stach (1870) p. 60; Spain.
1931. *Tomocerus catalanus* Bonet (205) p. 360; Spain and France; Distribution.
1939. *Tomocerus catalanus* Imms (1095) p. 291; Morphology; antennal musculature.
1945. *Tomocerus catalanus* Delamare Deboutteville (537) p. 70; France.
1945. *Tomocerus catalanus* Delamare Deboutteville (600) p. 16; Pyrenees.
1951. *Tomocerus catalanus* Delamare Deboutteville (575) p. 59; Oriental Pyrenees.
1960. *Tomocerus catalanus* Delamare Deboutteville (2367) p. 530; East Pyrenees.
1960. *Tomocerus catalanus* Delamare Deboutteville (2418) p. 530; France.
1960. *Tomocerus catalanus* Gisin (2271) p. 255, fig. 465; Spain; France.

Tomocerus cuspidatus Börner, 1909

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1909. *Tomocerus cuspidatus* Börner (246) p. 114; Japan.
1938. *Tomocerus cuspidatus* Uchida (2015) p. 8; Japan.
1940. *Tomocerus cuspidatus* Yosii (2225) p. 118; Formosa; Japan.
1958. *Tomocerus cuspidatus* Uchida (2044) p. 17; Formosa; Japan.

Tomocerus doderii Parona, 1888

1888. *Tomocerus Doderii* Parona (1563) p. 139, Tab. 1, fig. 5; Italy.
1925. *Tomocerus doderai* Denis (617) p. 211; Italy.

Tomocerus ferruginosus (Bourlet) 1839

1839. *Macrotoma ferruginosa* Bourlet (259) p. 390; Europe.
1844. *Macrotoma ferruginosa* Gervais (841) p. 408; France.
1844. *Tomocerus ferruginosus* Lucas (1327) p. 287; Reference.

Tomocerus gradjackae Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Tomocerus gradjackae* Denis (644) p. 212; Yugoslavia.
1935. *Tomocerus gradjackae* Denis (652) pp. 330, 341; Yugoslavia; Add. descr.

Tomocerus ishibashii Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Tomocerus ishibashii* Yosii (2231) p. 811, fig. 29; Japan.

Tomocerus jezoensis Matsumara and Uchida, 1931

1931. *Tomocerus jezoensis* Matsumara and Uchida (1386) p. 6, and fig.; Japan.
1938. *Tomocerus ezoensis* Uchida (2015) p. 9; Japan.
1958. *Tomocerus ezoensis* Uchida (2044) p. 18; Japan.

Tomocerus kawamurai Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Tomocerus kawamurai* Yosii (2231) p. 809; Japan.

Tomocerus kawamurai depicta Yosii, 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Tomocerus kawamurai depicta* Yosii (2233) p. 392, figs. 8 A-B; Tokara Is.

Tomocerus kinoshitai Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Tomocerus kinoshitai* Yosii (2231) p. 814, fig. 29; Japan.
1956. *Tomocerus kinoshitai* Yosii (2235) p. 90; Japan.

Tomocerus kinoshitai dentiferus Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Tomocerus kinoshitai dentiferus* Yosii (2235) p. 90, Pl. XLV, figs. 289–291; Japan.

Tomocerus kumei Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Tomocerus kumei* Yosii (2231) p. 812, fig. 27; Japan.

Tomocerus lamelliferus Mills, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Tomocerus lamelliferus* Mills (1417) p. 84, figs. 134–136; Iowa.
1938. *Tomocerus lamelliferus* Brimley (275) p. 16; Nth. Carolina.
1938. *Tomocerus lamelliferus* Mills (1421) p. 16; Nth. Carolina.
1946. *Tomocerus lamelliferus* Pearse (1575) p. 139; Ecology.

Tomocerus lamelliger (Börner) 1903

1903. *Podura lamelligera* Börner (239) p. 143, fig. 9; Italy.
1925. *Tomocerus lamelligerus* Denis (617) p. 211; Italy.
1937. *Tomocerus (Tritomurus) lamelligerus* Drenowski (695) p. 4; Bulgaria.
1960. *Tomocerus lamelliger* Gisin (2271) p. 254; Italy.

Tomocerus lepida (Gervais) 1844

1844. *Macrotoma lepida* Gervais (841) p. 409; France.
1847. *Tomocerus lepidus* Nicolet (1496) p. 381; France.

Tomocerus lividus Tullberg, 1876

1876. *Tomocerus lividus* Tullberg (2004) p. 32, Tab. VIII, figs. 11, 12; Boreal.
1893. *Tomocerus lividus* Schott (1765) p. 42; Siberia.
1899. *Tomocerus lividus* Carl (352) p. 346; Switzerland.
1900. *Tomocerus lividus* Schaffer (1738) p. 251; N.W. Siberia; Switzerland.
1960. *Tomocerus (Tomocerus) lividus* Grindbergs (2373) p. 54; U.S.S.R.

Tomocerus lubbocki Schaeffer, 1900

1900. *Tomocerus lubbocki* Schaeffer (1739) p. 273; Germany.
1901. *Tomocerus lubbocki* Carl (354) p. 272; Switzerland.

Tomocerus minor (Lubbock) 1862

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1862. *Macrotoma minor* Lubbock (1315) p. 598, Pl. LIX, fig. 15; England.
1872. *Macrotoma tridentifera* Tullberg (2003) p. 37, Pl. V, figs. 17–18; Sweden.
1873. *Tomocerus plumbeus* Lubbock (1318) p. 138; England.
1880. *Macrotoma plumbea* Reuter (1627) p. 204–; Scotland.
1883. *Tomocerus tridentiferus* Brook (291) p. 24; Britain.
1889. *Macrotoma tridentifera* Moniez (1441) p. 26; France.
1890. *Macrotoma tridentifera* Reuter (1638) p. 19; Scandinavia.
1890. *Macrotoma tridentifera* Uzel (2050) pp. 48, 80; Bohemia.
1891. *Macrotoma tridentifera* Moniez (1447) p. 69; France.
1891. *Macrotoma tridentifera* Uzel (2051) p. 919–; Helgoland.
1893. *Tomocerus tridentiferus* Schott (1765) p. 44; Sweden; Finland; England; Germany; Bohemia.
1895. *Tomocerus tridentiferus* Carpenter (364) p. 25–; Ireland (cave Collembola).
1895. *Tomocerus tridentiferus* Reuter (1643) p. 16, Pl. V, figs. 17–18; Finland.
1896. *Tomocerus norvegicus* Lie-Pettersen (1281) p. 1–; Norway; cf. Ågren (55).
1896. *Tomocerus tridentiferus* Lie-Pettersen (1281) p. 11; Norway; Synonymy.
1896. *Tomocerus tridentiferus* Schaffer (1735) p. 204; Germany.
1897. *Tomocerus tridentiferus* Carpenter (365) p. 227; Ireland.
1897. *Tomocerus tridentiferus* Poppe and Schaeffer (1607) p. 271; Germany.
1897. *Tomocerus tridentiferus* Schaffer (1735) p. 205; Germany.
1898. *Tomocerus tridentiferus* Lie-Pettersen (1282) p. 8; Norway.

1899. *Tomocerus tridentiferus* Carl (351) p. 4; France; Switzerland.
1899. *Tomocerus tridentiferus* Carl (352) p. 345; Switzerland.
1899. *Tomocerus tridentiferus* Carpenter and Evans (402) p. 237; Edinburgh district.
1899. *Tomocerus tridentiferus* Lie-Pettersen (1283) p. 11–; Norway.
1900. *Tomocerus tridentiferus* Carl (353) p. 4; Roumania.
1900. *Tomocerus tridentiferus* Kieffer (1170) p. 113; Europe.
1900. *Tomocerus minor* Schaffer (1739) p. 276; Germany; Synonymy.
1900. *Tomocerus tridentifer* Skorikow (1831) p. 479; Russia.
1901. *Tomocerus tridentiferus* Absolon (16) p. 88; Europe, caves.
1901. *Tomocerus tridentiferus* Absolon (18) p. 380; European caves.
1901. *Tomocerus minor* Börner (234) p. 61; Germany.
1901. *Tomocerus tridentiferus* Boyd (268) p. 317; Scotland.
1901. *Tomocerus tridentiferus* Carl (354) p. 272; Switzerland.
1901. *Tomocerus tridentiferus* Evans (739) p. 155; Scotland.
1901. *Tomocerus tridentiferus* Evans (740) p. 152; Scotland.
1901. *Tomocerus tridentiferus* Folsom (779) p. 159; Eastern U.S.A.
1901. *Tomocerus tridentiferus* Krausbauer (1204) p. 84; Germany.
1901. *Tomocerus tridentiferus* Viré (2062) p. 111; France.
1902. *Tomocerus tridentiferus* Carpenter (371) p. 657; Ireland, in caves.
1902. *Tomocerus minor* Schott (1772) p. 28; Boreal.
1902. *Tomocerus tridentiferus* Willem (2133) p. 281; Belgium.
1903. *Tomocerus minor* Ågren (55) p. 146; Sweden.
1903. *Tomocerus tridentiferus* Diem (688) p. 360; Ecology.
1904. *Tomocerus tridentiferus* Carpenter (372) p. 156; Färoes Is.
1904. *Tomocerus tridentiferus* Carpenter (373) p. 197.
1906. *Tomocerus minor* Axelson (82) p. 20; Russia.
1906. *Tomocerus minor* Wahlgren (2080) p. 261; Sweden.
1907. *Tomocerus minor* Axelson (83) p. 131; Finland.
1907. *Tomocerus tridentiferus* Carpenter (378) p. 54; Ireland.
1908. *Tomocerus tridentiferus* Schille (1755) p. 9; Poland.
1910. *Tomocerus tridentiferus* Carpenter (385) p. 185; Ireland.
1910. *Tomocerus minor* Collinge (464) p. 10; England; List.
1910. *Tomocerus minor* Collinge and Shoebotham (472) p. 111; England; Synonymy.
1911. *Tomocerus minor* Axelson (1291) p. 20; Norway.
1912. *Tomocerus minor* Axelson (1292) p. 181; Finland.
1912. *Tomocerus tridentiferus* Schille (1756) p. 10; Galizien.
1912. *Tomocerus tridentiferus* Schille (2394) p. 127; Poland.
1913. *Tomocerus minor* Cameron (345) p. 176; England (soil).
1913. *Tomocerus minor* Carpenter (388) p. 8; Clare I., Ireland.
1913. *Tomocerus minor* Folsom (785) p. 466, Pl. 41, figs. 12–14; Synonymy; U.S.A.; Canada.
1914. *Tomocerus minor* Shoebotham (1820) p. 62; Ireland.
1916. *Tomocerus minor* Bartholin (149) p. 188; Denmark.
1916. *Tomocerus minor* Carr (407) p. 65; England.
1917. *Tomocerus tridentiferus* Cameron (346) p. 50; Cheshire, soils.
1917. *Tomocerus minor* Latzel (1249) p. 239 (var. noricus); Austria.
1917. *Tomocerus minor* Shoebotham (1823) p. 221; England.
1918. *Tomocerus minor* Brown (296) p. 186; England.
1919. *Tomocerus minor* Handschin (977) p. 79; Switzerland; Europe.
1920. *Tomocerus minor* Stach (1859) p. 167; Poland.
1921. *Tomocerus minor* Brown (301) p. 143; Isle of Wight.
1921. *Tomocerus minor* Denis (607) p. 126; France.
1922. *Tomocerus minor* Latzel (1250) p. 61; Synonymy.
1923. *Tomocerus minor* Womersley (2147) p. 33; S.W. England.
1924. *Tomocerus minor* Denis (614) p. 292; France.
1924. *Tomocerus minor* Handschin (981) p. 117, figs. 73–87; Discussion and table; Switzerland.
1925. *Tomocerus minor* Handschin (986) p. 232; Germany; Europe; North Africa.
1925. *Tomocerus minor* Harnisch (1020) p. 68; Ecology.
1925. *Tomocerus tridentifera* Teodoro (1959) p. 124; Italy.
1925. *Tomocerus minor* Womersley (2148) p. 169; S.W. England.
1927. *Tomocerus minor* Denis (629) p. 197; Italy.
1926. *Tomocerus minor* Handschin (988) p. 38, fig. 28; Biology.
1927. *Tomocerus minor* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Tomocerus minor* Womersley (2155) p. 40; Savernake Forest.
1928. *Tomocerus minor* Bonet (198) p. 253; caves in France; Spain; Europe; U.S.A.
1928. *Tomocerus minor* Handschin (1004) p. 24; Bulgaria.
1928. *Tomocerus minor* Handschin (1005) p. 6; Algeria.
1928. *Tomocerus minor* Jackson (1121) p. 302; Britain.
1928. *Tomocerus minor* Womersley (2154) p. 377; S.W. England.
1929. *Tomocerus minor* Bonet (199) p. 12; Spain.
1929. *Tomocerus minor* Denis (635) p. 136; Italy.
1929. *Tomocerus minor* Handschin (1008) p. 99, figs. 89, 181, 182; Middle Europe; Azores.
1929. *Tomocerus minor* Hnatewytsch (1066) p. 226; Ecology.
1929. *Tomocerus tridontiferus* Hnatewytsch (1066) p. 226; Ecology.
1929. *Tomocerus minor* Womersley (2160) p. 272; New Zealand.
1930. *Tomocerus minor* Buitendijk (334) p. 70; Holland.
1930. *Tomocerus minor* Stach (1869) p. 293; Europe; Canada; U.S.A.
1930. *Tomocerus tridentiferus* Stach (1869) p. 293; Europe; Synonymy.
1930. *Tomocerus minor* Womersley (2163) p. 59; New Zealand; Add. descr.
1930. *Tomocerus minor* Womersley (2168) p. 182; Ireland.
1931. *Tomocerus minor* Bonet (205) p. 388; Czechoslovakia; France; Bulgaria; Ireland; Italy; Spain; Belgium; Hungary; in caves.

1931. *Tomocerus minor* Bonet (206) p. 98; Italy.
1931. *Tomocerus minor* Denis (637) p. 15; Italian caves.
1931. *Tomocerus minor* Denis (639) p. 231; Germany.
1931. *Tomocerus minor* Lindroth (1286) p. 131; Iceland.
1932. *Tomocerus minor* Denis (643) p. 341; Berne.
1932. *Tomocerus minor* Stach (1871) p. 274; Germany.
1933. *Tomocerus minor* Griepenburg (940) p. 29; Germany.
1933. *Tomocerus minor* James (1124) p. 100; Canada.
1933. *Tomocerus minor* Mills and Rolfs (1431) p. 80; Washington.
1933. *Tomocerus minor* Schubert (1787) p. 184; Ecology.
1933. *Tomocerus minor* Turk (2007) p. 94; Britain.
1933. *Tomocerus tridentiferus* Turk (2007) p. 94; Britain.
1934. *Tomocerus minor* Davies (522) p. 122; Wales.
1934. *Tomocerus minor* Davis (526) p. 100; Britain; Ecology.
1934. *Tomocerus minor* Durkop (707) p. 508; Kiel.
1934. *Tomocerus minor* Perrier (1576) p. 37; = *tridentifera.*
1934. *Tomocerus minor* Womersley (2177) p. 472; Cosmopolitan; Europe; Abyssinia.
1935. *Tomocerus minor* Denis (654) p. 91; Morphology; Italy.
1935. *Tomocerus minor* Griepenburg (942) p. 22; Germany.
1935. *Tomocerus minor* Schubert (1790) p. 94; Europe.
1935. *Tomocerus minor* Schubert (1791) pp. 106–, 199–, 230, 366–; Germany; Poland.
1937. *Tomocerus minor* Denis (663); Italy, caves.
1937. *Tomocerus minor* Drenowski (695) p. 4; Bulgaria.
1937. *Tomocerus minor* Frenzel (828) p. 296; Ecology.
1937. *Tomocerus minor* Henriksen (1043) p. 4; Färoes.
1937. *Tomocerus minor* Kseneman (1217) p. 471; Carpathians.
1937. *Tomocerus minor* Schubert (1792) p. 128; Palaearctic; Nearctic.
1938. *Tomocerus minor* Denis (665) p. 157; Add. descr.; Italy.
1938. *Tomocerus minor* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Tomocerus minor* Kseneman (1220) p. 17; Europe.
1938. *Tomocerus minor* Lengersdorf (1276) p. 146; Germany.
1939. *Tomocerus minor* Griepenburg (943) p. 21; Germany.
1939. *Tomocerus minor* Griepenburg (944) p. 74; Cave Collembola; Germany.
1939. *Tomocerus (Tomocerus) minor* Strouhal (1931) p. 263–; Ecology.
1940. *Tomocerus minor* Strouhal (1932) p. 416–; Ecology.
1940. *Tomocerus minor* Szent-Ivany (1945) p. 120; Hungary.
1941. *Tomocerus minor* Buitendijk (336) p. 71; Netherlands and Distribution.
1941. *Tomocerus minor* Griepenburg (945) p. 57; Cave Collembola; Germany.
1941. *Tomocerus minor* Griepenburg (946) p. 74; Cave Collembola; Germany.
1941. *Tomocerus minor* Salmon (1676) p. 347, figs. 281–282; New Zealand.
1941. *Tomocerus minor* Tarsia in Curia (1955) p. 266; Italy.
1942. *Macrotoma tridentifera* Caspers (408) p. 150; Helgoland I.
1942. *Tomocerus minor* Caspers (408) p. 150; Helgoland I.
1942. *Tomocerus minor* Marlier (1375) p. 10; Belgium.
1942. *Tomocerus minor* Miles (1409) p. 16; Oxford, England.
1942. *Tomocerus minor* Muhlmann (1467) p. 193; Europe.
1943. *Tomocerus minor* Agrell (47) p. 126; Sweden.
1943. *Tomocerus minor* Carpenter (401) p. 122; Lundy I., Britain.
1943. *Tomocerus minor* Gisin (853) p. 176; Switzerland.
1943. *Tomocerus minor* Tarsia in Curia (1956) p. 63; Italy, caves.
1944. *Tomocerus minor* Jeannel (1129) p. 141; Cave Collembola.
1947. *Macrotoma minor* Hemming (1040) p. 584; Taxonomy.
1949. *Tomocerus minor* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Tomocerus minor* Delamare Deboutteville (570) p. 238; France.
1950. *Tomocerus minor* Gisin (876) p. 95; Italy, caves.
1950. *Macrotoma minor* (Lubbock) Hemming (1041) pp. 505–507; Correction of designation of type species = *T. minor.*
1950. *Tomocerus minor* Hemming (1041) pp. 504, 506; Nomenclature.
1951. *Tomocerus minor* Cassagnau and Delamare Deboutteville (593) p. 2; Mid France.
1951. *Tomocerus minor* Delamare Deboutteville (576) p. 44; Caves in Italy.
1951. *Tomocerus minor* Delamare Deboutteville and Gisin (596) p. 85; Italy, caves.
1951. *Tomocerus minor* Delamare Deboutteville and Gisin (597) p. 135; Italy, caves.
1951. *Tomocerus minor* Delamare Deboutteville and Gisin (598) p. 4; caves in Italy.
1951. *Tomocerus minor* Maynard (1393) p. 136, Pl. XV, figs. 245–251; New York.
1951. *Tomocerus minor* Stach (1889) p. 98, fig. 55; Europe; America; Australia; Africa; Cosmopolitan.
1952. *Tomocerus minor* Delamare Deboutteville (581) p. 76; Mediterranean Region.
1952. *Tomocerus minor* MacFadyen (1337) p. 110; England, fen.
1952. *Tomocerus minor* Massera (1382) p. 31; Italy, caves.
1952. *Tomocerus minor* Mihelcic (1406) p. 96; Ecology.
1953. *Podura minor* Hazelton and Glennie (1037) p. 273; Britain.
1953. *Tomocerus minor* Ruppel (1670) p. 435–; Physiology.
1954. *Tomocerus minor* Travé (2000) p. 211; France.
1954. *Tomocerus minor* Uchida (2030) p. 10; Japan.
1954. *Tomocerus (Tomocerus) minor* Uchida (2032) p. 1–, fig. 2; Japan.
1955. *Tomocerus (Tomocerus) minor* Goto (918) p. 32; British Isles.
1955. *Tomocerus minor* Goto (921) p. 268; Britain.
1955. *Tomocerus minor* Mills (1427) p. 70; Nomenclature.
1955. *Tomocerus minor* Moscardini (1459) p. 44; Italy.
1955. *Tomocerus minor* Stach (1893) p. 148, figs. 450–452; Europe; America; Australia; Africa; Cosmopolitan.
1955. *Tomocerus minor* Strenzke (1926) p. 49; Germany.
1956. *Tomocerus (Tomocerus) minor* Goto (924) p. 49, figs. 1–4, 8; Taxonomy.

1956. *Tomocerus minor* Goto (926) p. 9; Outer Hebrides.
1956. *Tomocerus* (*Tomocerus*) *minor* Husmann (1084) p. 147; Germany.
1956. *Tomocerus minor* Paclt (1541) pp. 14, 120, fig. 10.
1957. *Tomocerus minor* Bodvarsson (2252) p. 35; Iceland.
1958. *Tomocerus minor* Grindbergs (2276) p. 76; Latvia.
1958. *Tomocerus minor* Grindbergs (2277) p. 202; Latvia.
1958. *Tomocerus minor* Kholova (1169) p. 235; Bohemia.
1958. *Tomocerus minor* Nosek (1503) p. 357; Czechoslovakia.
1958. *Tomocerus minor* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1958. *Tomocerus minor* von Torne (1993) p. 672; Austria.
1959. *Tomocerus minor* Da Gama (2266) p. 25; Portugal.
1959. *Tomocerus minor* Haybach (2375) Tab. VIII; Ecology.
1959. *Tomocerus minor* Lawrence (2294) p. 118–; England.
1959. *Tomocerus minor* Poole (1604) p. 76–; Food of Collembola.
1959. *Tomocerus minor* Stach (1896) p. 39; Poland.
1959. *Tomocerus minor* Wilkey (2349) p. 224; California.
1960. *Tomocerus minor* Bodvarsson (2412) p. 174; Färoes.
1960. *Tomocerus minor* Gisin (2271) p. 253, fig. 462; Europe.
1960. *Tomocerus* (*Tomocerus*) *minor* Grindbergs (2373) p. 53; U.S.S.R.

Tomocerus minor noricus Latzel, 1917

1917. *Tomocerus minor noricus* Latzel (1249) p. 239; Austrian Alps.
1922. *Tomocerus minor noricus* Latzel (1250) p. 61; Austria.

Tomocerus minor orcina (Absolon) 1901

1901. *Tomocerus tridentiferus orcina* Absolon (16) p 88; France.
1901. *Tomocerus tridentiferus orcina* Viré (2062) p. 111; France.

Tomocerus minutus Tullberg, 1876

1876. *Tomocerus minutus* Tullberg (2004) p. 32, Tab. VIII, figs. 9–10; Boreal.
1887. *Tomocerus minutus* Stuxberg (1936) p. 42; Novaya Zemlya.
1890. *Macrotoma minutus* Uzel (2050) p. 48; Bohemia.
1893. *Tomocerus minutus* Schott (1765) p. 42; Norway; Novaya Zemlya; Siberia.
1896. *Tomocerus minutus* Lie-Pettersen (1281) p. 11; Norway.
1899. *Tomocerus varius* Folsom (775) p. 267; Japan; cf. Yosii (2231).
1900. *Tomocerus minutus* Schaffer (1738) p. 251; N.W. Siberia; Novaya Zemlya; North coast Norway; Bohemia.
1900. *Tomocerus minutus* Skorikow (1833) p. 198; Spitzbergen.
1902. *Tomocerus minutus* Skorikow (1835) p. 92; Spitzbergen.
1904. *Tomocerus minutus* Axelson (78) p. 8; Siberia.
1906. *Tomocerus minutus* Lie-Pettersen (1284) p. 66; Norway.
1907. *Tomocerus minutus* Axelson (83) p. 131; Finland.
1907. *Tomocerus minutus* Axelson (84) p. 9; North Finland.
1907. *Tomocerus minutus* Wahlgren (2082) p. 226; Norway.
1911. *Tomocerus minutus* Axelson (1291) p. 19; Norway.
1912. *Tomocerus minutus* Axelson (1292) p. 176; Finland; Diagnosis.
1919. *Tomocerus minutus* Axelson (1293) p. 12; Arctic Urals.
1920. *Tomocerus minutus* Stach (1859) p. 164; Poland.
1921. *Tomocerus minutus* Denis (607) p. 126; France.
1924. *Tomocerus minutus* Denis (614) p. 292; France.
1926. *Tomocerus minutus* Handschin (995) p. 125, fig. 4; Switzerland; subterranean.
1929. *Tomocerus minutus* Handschin (1008) p. 100, figs. 183–185; North Europe; Switzerland; Czechoslovakia.
1930. *Tomocerus minutus* Kel'shtein (1161) p. 77; Russia.
1930. *Tomocerus minutus* Stach (1869) p. 292; Novaya Zemlya; Kanin Peninsula; Russia; Poland; Czechoslovakia.
1932. *Tomocerus varius* Kinoshita (1178) p. 2123, figs.; Japan.
1933. *Tomocerus minutus* Schubert (1787) p. 181; Ecology.
1935. *Tomocerus minutus* Schubert (1791) p. 108–, 198–, 366–; Germany; Czechoslovakia.
1937. *Tomocerus minutus* Frenzel (828) p. 296; Ecology.
1937. *Tomocerus minutus* Kseneman (1217) p. 471; Carpathians.
1937. *Tomocerus minutus* Schubert (1792) p. 128; Palaearctic.
1938. *Tomocerus minutus* Kseneman (1220) p. 16; Europe.
1940. *Tomocerus minutus* Bagnall (121) p. 101; Britain.
1941. *Tomocerus minutus* Tarsia in Curia (1955) p. 266; Italy.
1948. *Tomocerus* (*Tomocerus*) *minutus* Uchida (2022) p. 3; China.
1949. *Tomocerus minutus* Schaller (1742) p. 292; = *T. baudoti.*
1950. *Tomocerus varius* Kinoshita and Uchida (1179) p. 18, figs.; Japan.
1950. *Tomocerus minutus* Gisin (876) p. 95; Italy.
1951. *Tomocerus minutus* Praport (1610) p. 144; Poland.
1951. *Tomocerus minutus* Stach (1889) p. 99, fig. 56; Poland.
1952. *Tomocerus minutus* Mihelcic (1406) p. 96; Ecology.
1953. *Tomocerus minutus* Hammer (972) p. 57; North Canada.
1954. *Tomocerus minutus* Yosii (2231) p. 815; Japan.
1955. *Tomocerus minutus* Stach (1893) p. 149, figs. 453–454; Europe; Asia.
1956. *Tomocerus minutus* Goto (924) p. 49; Taxonomy.
1956. *Tomocerus* (*Tomocerus*) *minutus* Husmann (1084) p. 147; Germany.
1956. *Tomocerus minutus* Uchida (2039) p. 459–, figs. 1–3; Japan.
1956. *Tomocerina minuta* Yosii (2235) p. 91, Pl. XLVI, figs. 299–300; Japan.
1958. *Tomocerus minutus* Kholova (1169) p. 235; Bohemia.
1958. *Tomocerus minutus* Nosek (1503) p. 357; Czechoslovakia.
1958. *Tomocerus minutus* Simon (2335) p. 76; Collembola as Food.

1958. *Tomocerus minutus* Uchida (2040) p. 242, figs. 3, A-D; Japan.
1959. *Tomocerus minutus* Haybach (2375) Tab. VIII; Ecology.
1959. *Tomocerus minutus* Stach (1896) p. 39; Poland.
1960. *Tomocerus minutus* Gisin (2271) p. 255; Boreal.
1960. *Tomocerus* (*Tomocerus*) *minutus* Grindbergs (2373) p. 54; U.S.S.R.
1960. *Tomocerus minutus* Yosii (2406) p. 200–; Post-embryonic development.

Tomocerus mixtus Gisin, 1961

HOLOTYPE, PARATYPE: Deutsch. Ent. Inst., Berlin.
PARATYPE: Mus. Hist. Natur., Geneva.
1961. *Tomocerus mixtus* Gisin (2468) p. 348, fig. 19; Germany.

Tomocerus montanus (Oudemans) 1890

1890. *Macrotoma montana* Oudemans (1512) p. 84.
1925. *Tomocerus montanus* Handschin (985) p. 267; Sumatra.
1928. *Tomocerus montanus* Handschin (1001) p. 266; Sumatra.

Tomocerus niveus Joseph, 1882

1882. *Tomocerus niveus* Joseph (1150) p. 29; S.E. Europe.
1885. *Tomocerus niveus* Gestro (842) p. 135; Italy, caves.
1888. *Tomocerus niveus* Parona (1563) p. 139; Italy.
1925. *Tomocerus niveus* Denis (617) p. 211; Italy.

Tomocerus norvegicus Lie-Pettersen, 1896

1896. *Tomocerus norvegicus* Lie-Pettersen (1281) p. 12, Pl. I, fig. 5; Norway.

Tomocerus ocreatus Denis, 1948

1948. *Tomocerus ocreatus* Denis (676) p. 220, fig. 11; Indochina.

Tomocerus ocreatus kawamurai (Yosii) 1954

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1954. *Tomocerus kawamurai* Yosii (2231) p. 809, fig. 25; Japan.
1956. *Tomocerus ochreatus kawamurai* Yosii (2235) p. 90; Japan.

Tomocerus setoserratus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Tomocerus setoserratus* Salmon (1676) p. 347, Pl. 56, figs. 276–280; New Zealand.
1944. *Tomocerus setoserratus* Salmon (1683) p. 153; New Zealand.

Tomocerus spiricornis (Bourlet) 1841

1841. *Macrotoma spiricornis* Bourlet (261) p. 103, fig. 21; France.
1842. *Macrotoma spiricornis* Bourlet (265) p. 13, fig. 21; France.
1842. *Tomocerus spiricornis* Lucas (1327) p. 287; References.

Tomocerus taeniatus (Koch & Berendt) 1854

1854. *Podura taeniata* Koch & Berendt (1188); Bernstein.
1907. *Catastylus calcaratus* von Olfers (1506) p. 23, fig. 55; Bernstein.
1907. *Catastylus nasicornis* von Olfers (1506) p. 24, fig. 58; Bernstein.
1907. *Lepidocyrtus curvicollis* von Olfers (1506) p. 22, fig. 49; Bernstein.
1907. *Lepidocyrtus gibbulus* von Olfers (1506) p. 22, fig. 51; Bernstein.
1907. *Orchesella concolor* von Olfers (1506) p. 21, fig. 44; Bernstein.
1907. *Palpiger cucullatus* von Olfers (1506) p. 19, fig. 31; Bernstein.
1907. *Tomocerus plumbeus* von Olfers (1506) p. 23, fig. 53; Bernstein.

Tomocerus tasmanicus Womersley, 1937

TYPE, PARATYPE: Sth. Austr. Mus., Adelaide.
1937. *Tomocerus tasmanicus* Womersley (2188) p. 154, fig. 1 g–j; Tasmania.
1939. *Tomocerus tasmanicus* Womersley (2190) p. 170, fig. 57 F–I; Tasmania.
1942. *Tomocerus tasmanicus* Womersley (2193) p. 28; Australia.

Tomocerus uenoi Yosii, 1954

TYPE: Osaka Mun. Mus., Japan.
1954. *Tomocerus uenoi* Yosii (2231) p. 813, fig. 28; Japan.

Tomocerus unidentatus Börner, 1901

TYPE: Deutsch. Entom. Inst., Berlin.
PARATYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Lab. Zool., Fac. Sci., Dijon, France.
1901. *Tomocerus unidentatus* Börner (231) p. 341, fig. 6; Germany.
1926. *Tomocerus unidentatus* Denis (625) p. 207; France.
1931. *Tomocerus unidentatus* Bonet (205) p. 388; Germany, France, Carso.
1931. *Tomocerus unidentatus* Bonet (206) p. 98, figs. 3, 4; Italy; Ad. descr.
1932. *Tomocerus unidentatus* Denis (641) p. 377, fig. VII, 6–10; France.
1932. *Tomocerus unidentatus* Stammer (1897) p. 611–; Ecology.
1939. *Tomocerus unidentatus* Griepenburg (944) p. 74; Cave Collembola; Germany.
1942. *Tomocerus unidentatus* Marlier (1375) p. 10; Belgium.
1950. *Tomocerus unidentatus* Delamare Deboutteville (569) p. 122; France; Germany; Italy.
1951. *Tomocerus unidentatus* Delamare Deboutteville (573) p. 120; France.
1952. *Tomocerus unidentatus* Delamare Deboutteville (581) p. 76; Mediterranean region.
1955. *Tomocerus unidentatus* Cassagnau (420) p. 35; France.
1959. *Tomocerus unidentatus* Strebel (2344) pp. 92–95; Germany.
1960. *Tomocerus unidentatus* Gisin (2270) p. 87; France; Switzerland.
1960. *Tomocerus unidentatus* Gisin (2271) p. 256, fig. 466; Europe.

Tomocerus unitus Hoffman, 1905

1905. *Tomocerus unita* Hoffman (1070) p. 650; Morphology.

Tomocerus varius Folsom, 1899

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1899. *Tomocerus varius* Folsom (775) p. 267, Pl. 3, figs. 31, 32; Japan.
1929. *Tomocerus varius* Denis (632) p. 169; Japan.
1932. *Tomocerus varius* Kinoshita (1178) p. 2123 & fig.; Japan.
1938. *Tomocerus varius* Uchida (2015) p. 8; Japan.
1950. *Tomocerus varius* Kinoshita & Uchida (1179) p. 18 & fig.; Japan.
1958. *Tomocerus varius* Uchida (2044) p. 17; Japan; Korea.

Tomocerus vasconicus Bonet, 1928

1928. *Tomocerus vasconicus* Bonet (198) p. 256, figs. 1 and 2; Spain.
1929. *Tomocerus vasconicus* Bonet (199) p. 12; Spain.
1931. *Tomocerus vasconicus* Bonet (205) p. 358, fig. 28; Spain.
1960. *Tomocerus vasconicus* Gisin (2271) p. 254; Spain.

Tomocerus violaceus Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Tomocerus violaceus* Yosii (2235) p. 91, Pl. XLV, figs. 292–294; Japan.

Tomocerus viridescens Wankel, 1860

1860. *Tomocerus viridescens* Wankel (2100) p. 203; Czechoslovakia.
1900. *Tomocerus viridescens* Absolon (3) p. 62; Czechoslovakia.
1901. *Tomocerus viridescens* Absolon (11) p. 39; Czechoslovakia.
1901. *Tomocerus viridescens* Absolon (12) p. 111, figs. 23, 24; Czechoslovakia; Systematics.
1931. *Tomocerus viridescens* Bonet (205) pp. 287, 388; Czechoslovakia.
1937. *Tomocerus viridescens* Frenzel (828) p. 317; Ecology.

Tomocerus vulgaris (Tullberg) 1871

1871. *Macrotoma vulgaris* Tullberg (2002) p. 149; Sweden.
1872. *Macrotoma vulgaris* Tullberg (2003) p. 36, Pl. IV, figs. 1–24; Sweden.
1873. *Tomocerus plumbeus* Packard (1521) p. 23–; U.S.A.; cf. Folsom (785).
1876. *Macrotoma vulgaris* Reuter (1628) p. 80; Finland.
1876. *Tomocerus vulgaris* Tullberg (2004) pp. 31, 42; Siberia; Sweden.
1880. *Tomocerus vulgaris* Reuter (1629) p. 206; Scotland.
1882. *Tomocerus plumbeus* Tomosvary (1983) p. 124; Hungary.
1883. *Tomocerus vulgaris* Brook (291) p. 22; Add. descr.; Jersey.
1887. *Macrotoma vulgaris* Oudemans (1510) p. 54–; Anatomy.
1887. *Tomocerus plumbeus* Parona (1561) p. 481; Straits of Magellan.
1888. *Tomocerus vulgaris* Dalla Torre (497) p. 145; Tyrol.
1888. *Macrotoma vulgaris* Parona (1563) p. 138; Italy.
1890. *Macrotoma vulgaris* Uzel (2050) p. 47; distribution, Bohemia.
1891. *Tomocerus vulgaris* Reuter (1641) p. 228; Siberia.
1893. *Tomocerus vulgaris* Schött (1765) p. 41; Sweden; Finland; Shetlands; Tyrol; Scotland; Germany.
1895. *Tomocerus plumbeus* Parona (1565) p. 697; Argentina.
1895. *Tomocerus vulgaris* Reuter (1643) p. 15; Finland; **Europe.**
1897. *Tomocerus vulgaris* Poppe & Schaeffer (1607) p. 271; **Germany.**
1897. *Tomocerus vulgaris* Schaffer (1735) p. 204; Germany.
1898. *Tomocerus vulgaris* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Tomocerus vulgaris* Carl (352) p. 344; Switzerland.
1899. *Tomocerus vulgaris* Carpenter & Evans (402) p. **236; Scotland.**
1899. Tomocerus vulgaris Schött (1770) p. 172; Tierra del Fuego.
1900. *Tomocerus vulgaris* Absolon (3) p. 111; Czechoslovakia.
1900. *Tomocerus vulgaris* Carl (353) p. 4; Roumania.
1900. *Tomocerus vulgaris* Lécaillon (1258) p. 71; France.
1900. *Macrotoma vulgaris* Prowazek (1614) p. 337–; Morphology.
1900. *Tomocerus vulgaris* Schaffer (1738) p. 251; N.W Siberia.
1900. *Tomocerus vulgaris* Schaffer (1739) p. 274, fig. 34; Germany.
1900. *Tomocerus niger* Skorikow (1831) p. 478, Tab. XXI, figs. 7, 8; Russia.
1900. *Tomocerus vulgaris* Skorikow (1831) p. 478; Russia.
1900. *Tomocerus vulgaris* Willem (2123) pp. 9–22, Pl. III, figs. 9, 10.
1901. *Tomocerus vulgaris* Absolon (11) p. 39; Czechoslovakia.
1901. *Tomocerus vulgaris* Absolon (12) p. 111; Systematics.
1901. *Tomocerus vulgaris* Börner (234) p. 60; Germany.
1901. *Podura vulgaris* Börner (235) p. 105, fig. 15; Systematics.
1901. *Tomocerus vulgaris* Folsom (779) p. 159; Eastern
1901. *Tomocerus vulgaris* Krausbauer (1204) p. 83; Germany.
1902. *Tomocerus vulgaris* Becker (158) p. 26; Russia.
1902. *Tomocerus vulgaris* Skorikow (1834) p. 157; shedding of "skin".
1902. *Podura vulgaris* Voights (2067) p. 524; Germany.
1903. *Tomocerus vulgaris* Absolon (22) p. 103, Pl. II, figs. 4–6; Diagnoses.
1903. *Tomocerus vulgaris* Ågren (55) p. 146; Sweden.
1903. *Tomocerus niger* Guthrie (951) p. 80, Pl. VI, figs. 10–12, Pl. VII, fig. 5; Minnesota; cf. Folsom (785).
1904. *Tomocerus vulgaris* Axelson (78) p. 8; Siberia.
1905. *Tomocerus vulgaris* Axelson (81) p. 35; Tvärminne, Finland.
1905. *Tomocerus vulgaris* Carl & Lebedinsky (358) p. 565, fig. 6; Austria.
1905. *Tomocerus vulgaris* Hoffman (1070) p. 649; Morphology.
1906. *Tomocerus vulgaris* Axelson (82) p. 20; Revals, Russia.
1906. *Tomocerus vulgaris* Wahlgren (2080) p. 261; Sweden.
1907. *Tomocerus vulgaris* Axelson (83) p. 131; Finland.
1908. *Tomocerus vulgaris* Schille (1755) p. 9; Poland.
1909. *Tomocerus vulgaris* Shoebotham (1818) p. 58; General Economics.
1910. *Tomocerus vulgaris* Collinge (464) p. 10; England.
1910. *Tomocerus vulgaris* Collinge and Shoebotham (472) p. 111; England.
1911. *Tomocerus vulgaris* Axelson (1291) p. 20; Norway.
1912. *Tomocerus vulgaris* Axelson (1292) p. 178; Finland; Systematics.
1912. *Tomocerus vulgaris* Dahl (496) p. 421; Ecology.
1912. *Tomocerus vulgaris* Imms (1090) p. 91; Indian Himalayas.
1912. *Tomocerus vulgaris* Schille (1756) p. 9; Galizien.
1912. *Tomocerus vulgaris* Schille (2394) p. 127; Poland.
1913. *Tomocerus vulgaris* Folsom (785) p. 463, Pl. 41, figs. 9–11; Synonymy; U.S.A.; Canada.
1914. *Tomocerus vulgaris* Bacon (94) p. 161, Pl. IV, fig. 1; California.

1916. *Tomocerus vulgaris* Carr (407) p. 65; England.
1918. *Tomocerus vulgaris* Brown (296) p. 186; England.
1919. *Tomocerus vulgaris* Brown (297) p. 65; England.
1919. *Tomocerus vulgaris* Wahlgren (2089) p. 751; Sweden.
1920. *Tomocerus vulgaris* Stach (1859) p. 166; Poland; Europe; Siberia; North America.
1921. *Tomocerus vulgaris* Denis (607) p. 126; France.
1921. *Tomocerus vulgaris* Stach (1859) p. 167; Poland.
1922. *Tomocerus vulgaris* Denis (609) p. 112; Ile de Yeu, France.
1922. *Tomocerus vulgaris* Latzel (1250) p. 61; Austria; Tirol.
1922. *Tomocerus vulgaris* Stach (1860) p. 24; Hungary.
1923. *Tomocerus vulgaris* Stach (1863) p. 10; Germany.
1923. *Tomocerus vulgaris* Womersley (2147) p. 33; S.W. England.
1924. *Tomocerus vulgaris* Denis (614) p. 292; France.
1925. *Tomocerus vulgaris* Denis (617) p. 211; Italy.
1925. *Tomocerus vulgaris* Teodoro (1959) p. 124; Italy.
1929. *Tomocerus vulgaris* Davies (518) p. 81; Physiology.
1929. *Tomocerus vulgaris* Handschin (1008) p. 100; Palaearctic and Nearctic.
1930. *Tomocerus vulgaris* Buitendijk (334) p. 71; Holland.
1930. *Tomocerus vulgaris* Kel'shtein (1161) p. 77; Russia.
1930. *Tomocerus vulgaris* Stach (1869) p. 292; Europe; Finland; Canada; U.S.A.
1931. *Tomocerus vulgaris* Bonet (205) p. 388; Czechoslovakia, caves.
1931. *Tomocerus vulgaris* Denis (639) p. 231; Germany.
1931. *Tomocerus vulgaris* Lindroth (1286) p. 131; Iceland.
1931. *Tomocerus vulgaris* Schott (1780) p. 71; Scandinavia.
1932. *Tomocerus vulgaris* Kseneman (1211) p. 21; Czechoslovakia.
1932. *Tomocerus vulgaris* Stach (1871) p. 274; Germany. many.
1933. *Tomocerus vulgaris* Boelitz (194) p. 375; Morphology; Physiology.
1933. *Tomocerus vulgaris* Denis (644) p. 211; Yugoslavia.
1933. *Tomocerus vulgaris* James (1124) p. 100; Canada.
1933. *Tomocerus vulgaris* Mills and Rolfs (1431) p. 80; Washington.
1933. *Tomocerus vulgaris* Schubert (1787) pp. 181, 189; Ecology.
1933. *Tomocerus vulgaris* Turk (2007) p. 94; Britain.
1934. *Tomocerus vulgaris* Durkop (707) p. 508; Kiel.
1934. *Tomocerus vulgaris* Mills (1417) p. 83; Iowa.
1934. *Tomocerus vulgaris* Perrier (1576) p. 37; France.
1934. *Tomocerus vulgaris* Womersley (2177) p. 472; Europe; South Africa; Sierra Leone.
1935. *Tomocerus vulgaris* Denis (652) p. 330; Yugoslavia and Albania.
1935. *Tomocerus vulgaris* Schubert (1791) pp. 106–, 198–, 230, 365–; Germany; Poland.
1936. *Tomocerus vulgaris* Nordberg (1500) p. 34–; Ecology.
1937. *Tomocerus vulgaris* Drenowski (695) p. 4; Bulgaria.
1937. *Tomocerus vulgaris* Frenzel (828) p. 305; Ecology.
1937. *Tomocerus vulgaris* Kseneman (1217) p. 471; Carpathians.
1937. *Tomocerus vulgaris* Schubert (1792) p. 130; Palaearctic; Nearctic.
1937. *Tomocerus vulgaris* Scott (1795) p. 133; California.
1937. *Tomocerus vulgaris* Womersley (2188) p. 154; Tasmania.
1938. *Tomocerus vulgaris* Brimley (275) p. 16; North Carolina.
1938. *Tomocerus vulgaris* Denis (665) p. 157; Italy.
1938. *Tomocerus vulgaris* Drenowski (696) p. 113; Bulgaria.
1938. *Tomocerus vulgaris* Kseneman (1220) p. 16; Cosmopolitan.
1938. *Tomocerus vulgaris* Mills (1421) p. 16; North Carolina.
1938. *Tomocerus vulgaris* Strebel (1916) p. 272–; Biological.
1939. *Tomocerus vulgaris* Griepenburg (944) p. 74; Cave Collembola, Germany.
1939. *Tomocerus* (*Tomocerus*) *vulgaris* Strouhal (1931) p. 264–; Ecology.
1939. *Tomocerus vulgaris* Thomas (1969) p. 19; Ecology.
1939. *Tomocerus vulgaris* Womersley (2190) p. 170, fig. 57 J-L; Tasmania; Systematics.
1940. *Tomocerus vulgaris* Strouhal (1932) p. 398–; Ecology.
1940. *Tomocerus vulgaris jesonicus* Yosii (2226) p. 189; Japan.
1941. *Tomocerus vulgaris* Agrell (46) p. 20; Swedish Lapland.
1941. *Tomocerus vulgaris* Buitendijk (336) p. 72; Netherlands; Palaearctic and Nearctic.
1942. *Tomocerus vulgaris* Drenowski (697) p. 7; Bulgaria.
1942. *Tomocerus vulgaris* Marlier (1375) p. 10; Belgium.
1942. *Tomocerus vulgaris* Miles (1409) p. 16; Oxford, England.
1942. *Tomocerus vulgaris* Muhlmann (1467) p. 195–; Europe.
1942. *Tomocerus vulgaris* Scott (1796) p. 183; West U.S.A.
1942. *Tomocerus vulgaris* Tahvonen (1949) p. 204–; Finland.
1943. *Tomocerus vulgaris* Agrell (47) p. 126; Sweden.
1943. *Tomocerus vulgaris* Gisin (853) p. 176; Switzerland.
1945. *Tomocerus vulgaris* Agrell (50) p. 11; Norway; Finland; Habitats.
1948. *Tomocerus vulgaris* Palmen (1546) p. 175; Ecology.
1949. *Tomocerus vulgaris* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Tomocerus vulgaris* Delamare Deboutteville (570) p. 157; France.
1950. *Tomocerus vulgaris* Wray (2216) p. 63; Utah.
1951. *Tomocerus* (*Tomocerus*) *vulgaris* Maynard (1393) Pl. XIV, 241–243, XV, 244; Descr.; New York.
1951. *Tomocerus vulgaris* Schaller (1746) p. 464; Ecology.
1951. *Tomocerus vulgaris* Wilkey (2120) p. 79; Colorado.
1953. *Tomocerus vulgaris* Ruppel (1670) p. 431–; Physiology.
1953. *Tomocerus vulgaris* Schaller (1749) p. 266–; Reproduction.
1954. *Tomocerus vulgaris* Bellinger (174) p. 23; Connecticut.
1954. *Tomocerus vulgaris* Yosii (2231) p. 815; Japan.
1955. *Tomocerus vulgaris* Cassagnau and Delamare Deboutteville (428) p. 383; Lebanon.
1955. *Tomocerus vulgaris* Choppard (434) p. 21; France.
1955. *Tomocerus vulgaris* Gridelli (938) p. 46; Venice.

1955. *Tomocerus vulgaris* Lengersdorf (1277) p. 168; Germany.
1955. *Tomocerus vulgaris* Mani, Singh, Gupta and Baijal (1369) p. 512; N.W. Himalayas.
1955. *Tomocerus vulgaris* Stach (1893), p. 149; Europe; America.
1955. *Tomocerus vulgaris* Strenzke (1926) p. 49; Europe; North America.
1956. *Tomocerus vulgaris* Bockemuhl (193) p. 147; Spitzbergen.
1956. *Tomocerus vulgaris* Goto (924) p. 49; Taxonomy.
1956. *Tomocerus vulgaris* Paclt (1541) p. 72–; Biology.
1956. *Tomocerus vulgaris* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Tomocerus vulgaris* Wray and Knowlton (2214) p. 5; Idaho.
1957. *Tomocerus vulgaris* Bodvarsson (2252) p. 35; Iceland.
1957. *Tomocerus vulgaris* Mayer (1390), p. 503–; Biology.
1958. *Tomocerus vulgaris* Grindbergs (2276) p. 76; Latvia.
1958. *Tomocerus vulgaris* Grindbergs (2277) p. 202; Latvia.
1958. *Tomocerus vulgaris* Kholova (1169) p. 235; Bohemia.
1958. *Tomocerus vulgaris* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1958. *Tomocerus vulgaris* Simon (2335) p. 76; Collembola as food.
1958. *Tomocerus vulgaris* von Torne (1993) p. 672; Austria.
1959. *Tomocerus vulgaris* Da Gama (2266) p. 25; Portugal.
1959. *Tomocerus vulgaris* Loksa (2297) p. 70; Hungary.
1959. *Tomocerus vulgaris* Paclt (2317) p. 342; Czechoslovakia.
1959. *Tomocerus vulgaris* Stach (1896) p. 40; Poland.
1959. *Tomocerus vulgaris* Strebel (2344) p. 92–; Germany.
1959. *Tomocerus vulgaris* Wilkey (2349) p. 224; California.
1960. *Tomocerus vulgaris* Gisin (2271) p. 254, fig. 463; Europe.
1960. *Tomocerus* (*Tomocerus*) *vulgaris* Grindbergs (2373) p. 53; U.S.S.R.

Tomocerus vulgaris sibiricus Reuter, 1891

1891. *Tomocerus vulgaris sibiricus* Reuter (1641) p. 228; Siberia.
1900. *Tomocerus vulgaris sibiricus* Schäffer (1738) p. 251; Siberia; North and Central Europe; North America.
1904. *Tomocerus vulgaris sibiricus* Axelson (78) p. 8; Siberia.
1907. *Tomocerus sibiricus* Axelson (83) p. 131; Finland.
1912. *Tomocerus sibiricus* Axelson (1292) p. 180; Finland; Diagnosis.
1934. *Tomocerus sibiricus* Durkop (707) p. 509; Germany.
1950. *Tomocerus sibiricus* Delamare Deboutteville (570) p. 157; France.
1960. *Tomocerus sibiricus* Gisin (2271) p. 255; Finland; Russia; Siberia.
1960. *Tomocerus* (*Tomocerus*) *sibiricus* Grindbergs (2373) p. 54; U.S.S.R.

Genus: PLUTOMURUS Yosii, 1956 (2235) p. 78.
= *Tritomurus* Yosii, 1939 (2224).

Type species fixed: *P. riugadoensis* (Yosii) by Yosii, 1956 (2235) p. 78.

Plutomurus riugadoensis (Yosii) 1939

1939. *Tritomurus riugadoensis* Yosii (2224) p. 177, Pl. 8, figs. 1–5; Japan.
1940. *Tritomurus ishikawai* Uchida (2019) p. 5; Japan.
1944. *Tomocerus riugadoensis* Gisin (854) p. 102; Japan.
1956. *Plutomurus riugadoensis* Yosii (2235) p. 78, Pl. XLI, fig. 238, Pl. XLII, figs. 241–247, Pl. XLIII, fig. 256; Japan.
1958. *Tritomurus riugadoensis* Uchida (2044) p. 19; Japan.

Plutomurus suzakaensis (Yosii) 1939

1939. *Tritomurus suzakaensis* Yosii (2224) p. 178, Pl. 8, figs. 6–11; Japan.
1940. *Tritomurus suzekaensis* Uchida (2019) p. 5; Japan.
1956. *Plutomurus suzukaensis* Yosii (2235) p. 81, Pl. XLII, figs. 248–250, Pl. XLIII, fig. 257; Japan.
1958. *Tritomurus suzukaensis* Uchida (2044) p. 19; Japan.

Plutomurus suzakaensis ehimensis Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Plutomurus suzukaensis ehimensis* Yosii (2235) p. 83, Pl. XLIV, figs. 270–272; Japan.

Plutomurus suzakaensis naikaiensis Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Plutomurus suzukaensis naikaiensis* Yosii (2235) p. 83, Pl. XLIV, figs. 268–269; Japan.

Plutomurus suzakaensis ohminensis Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Plutomurus suzukaensis ohminensis* Yosii (2235) p. 82, Pl. XLIV, fig. 267; Japan.

Plutomurus yamatensis Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Plutomurus yamatensis* Yosii (2235) p. 84, Pl. XLII, figs. 251–254, Pl. XLIII, fig. 258, Pl. XLIV, figs. 273–279, 285, 286; Japan.

Plutomurus yamatensis kyushuensis Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Plutomurus yamatensis kyushuensis* Yosii (2235) p. 85, Pl. XLIV, figs. 283, 284; Japan.
1957. *Plutomurus yamatensis kyushuensis* Nomura (1499) p. 66–; Japan.

Genus: TRITOMURUS Frauenfeld, 1854 (822) p. 3.
Type species fixed: *T. scutellatus* Frauenfeld, 1854 (822) p. 3; monotype.

Tritomurus californicus Folsom, 1913

1913. *Tritomerus californicus* Folsom (785) p. 469, Pl. 41, figs. 15–17; California.

Tritomurus falcifer Cassagnau, 1957

TYPE: Auth. Colln., Fac. Sci., Toulouse Univ., France.
1957. *Tritomurus falcifer* Cassagnau (2258) p. 393, and figs.; France.
1960. *Tomocerus falcifer* Gisin (2271) p. 252; France.

Tritomurus henroti Delamare Deboutteville, 1949

1949. *Tritomurus henroti* Delamare Deboutteville (565) p. 117–, figs. 1–4; Virginia.

Tritomurus isikawai Uchida, 1940

1940. *Tritomurus isikawai* Uchida (2019) p. 5, Pl. I, figs. a-1; Japan.
1958. *Tritomurus isikawii* Uchida (2044) p. 18; Japan.

Tritomurus macrocephalus Kolenati, 1858

1858. *Tritomurus macrocephalus* Kolenati (1191) p. 245, fig. 4; Austria.
1860. *Tritomurus macrocephalus* Wankel (2100) p. 203; Czechoslovakia.

1882. *Tritomurus macrocephalus* Joseph (1150) p. 28; Europe.
1900. *Tritomurus macrocephalus* Absolon (3) p. 62; Czechoslovakia.
1901. *Tritomurus macrocephalus* Absolon (11) p. 39; Czechoslovakia.
1901. *Tritomurus macrocephalus* Absolon (12) p. 111; Systematics.

Tritomurus missus (Mills) 1948

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1948. *Tomocerus* (*Tritomurus*) *missus* Mills (1425) p. 356; North America.

Tritomurus oregonensis Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Tritomurus oregonensis* Denis (632) p. 178, fig. vii; Oregon.
1931. *Tomocerus* (*Tritomurus*) *oregonensis* Bonet (205) p. 389; U.S.A.

Tritomurus scutellatus Frauenfeld, 1854

1854. *Tritomurus scutellatus* Frauenfeld (822) p. 17; Treffen, Germany.
1881. *Tritomurus scutellatus* Joseph (1149) p. 263; caves, South Austria.
1882. *Tritomurus scutellatus* Joseph (1150) p. 28; Germany.
1901. *Tomocerus anophthalmus* Absolon (16), p. 88, figs. 9, 10; East Europe; cf. Bonet (206).
1903. *Tritomurus scutellatus* Absolon (22) p. 94, p. 99, Pl. I, figs. 1–14; Central Europe.
1929. *Tritomerus scutellatus* Handschin (1008) p. 102; Mahrens and Krains.
1931. *Tomocerus* (*Tritomurus*) *scutellatus* Bonet (205) p. 389; Carso; Carniolia.
1931. *Tomocerus* (*Tritomurus*) *scutellatus* Bonet (206) p. 100, figs. 5–11; Italy; Add. descr.
1937. *Tritomurus scutellatus* Denis (663) p. 56; Italy.
1938. *Tritomerus scutellatus* Denis (665) p. 163; Italy; Add. descr.
1943. *Tritomerus scutellatus* Tarsia in Curia (1956) p. 65, fig. 13; Italy.
1960. *Tomocerus scutellatus* Gisin (2271) p. 252; Europe.

Tritomurus terrestrialis Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Tritomurus terrestrialis* Stach (1861) p. 118, Pl. IX, figs. 2–6; Albania.
1933. *Tomocerus terrestrialis* Denis (644) p. 211; Yugoslavia.
1935. *Tomocerus terrestrialis* Denis (652) p. 230; Yugoslavia; Albania.
1937. *Tomocerus* (*Tritomurus*) *terrestralis* Drenowski (695) p. 4; Bulgaria.
1937. *Tomocerus* (*Tritomurus*) *terrestralis* Strebel (1915) p. 259; Greece.
1957. *Tomocerus terrestralis* Paclt (1544) p. 271–, fig. 3; Czechoslovakia.
1957. *Tomocerus* (*Aphaenomurus*) *terrestralis* Paclt (1543) p. 2–, fig. 1; Europe.
1960. *Tomocerus terrestralis* Gisin (2271) p. 254; Albania; Yugoslavia.

* Sub-family ANUROPHORINAE Börner, 1901 (234) p. 42.

Genus: PROCTOSTEPHANUS Börner, 1902 (236) p. 607.
Type species fixed: *P. stuckeni* Börner, 1903 (239) p. 170.

Proctostephanus cidi Selga, 1958

TYPE: Lab. Biol. Aplic., Univ. Barcelona, Spain.
1958. *Proctostephanus cidi* Selga (1807) p. 34–, figs. 4 and 5; Spain.
1960. *Proctostephanus cidi* Gisin (2271) p. 159; Spain.

Proctostephanus madeirensis Da Gama, 1959

1959. *Proctostephanus madeirensis* Da Gama (494) p. 20, Pl. I and II, figs. 9 and 10; Madeira.
1959. *Proctostephanus madeirensis* Da Gama (2266) p. 15; Portugal.
1960. *Proctostephanus madeirensis* Gisin (2271) p. 159; Spain; Madeira.

Proctostephanus stuckeni Börner, 1902

TYPE: Deutsch. Entom. Inst., Berlin.
PARATYPE: Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1902. *Proctostephanus Stuckeni* Börner (236) p. 607, fig. on p. 606; Palermo.
1922. *Proctostephanus Stuckeni* Denis (609) p. 111; Ile de Yeu, France.
1924. *Proctostephanus Stuckeni* Denis (614) p. 259; France.
1925. *Proctostephanus Stuckeni* Denis (617) p. 210; Italy.
1938. *Proctostephanus Stuckeni* Denis (665) p. 123; Italy.
1951. *Proctostephanus Stuckeni* Delamare Deboutteville and Cassagnau (593) p. 400; France.
1953. *Proctostephanus Stuckeni* Cassagnau (413) pp. 39–58, and figs.; Study of Sp.
1955. *Proctostephanus Stuckeni* Gridelli (938) p. 42; Venice.
1958. *Proctostephanus Stuckeni* Selga (1807) p. 34–, figs. 2 and 3; France; Spain; Italy; Crete.
1959. *Proctostephanus Stuckeni* Da Gama (2266) p. 14; Portugal.
1960. *Proctostephanus Stuckeni* Gisin (2271) p. 158, figs. 31, 301; Europe.

Genus: WEBERACANTHA Christiansen, 1951 (438) p. 24.
Type species fixed: *W. octa* by Christiansen, 1951 (438) p. 25.

Weberacantha octa Christiansen, 1951

PARATYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois Nat. State Hist. Surv., Urbana, Illinois.
PARATYPE: Bellinger's Pers. Colln., San Fernando State Coll., Los Angeles.
1951. *Weberacantha octa* Christiansen (438) p. 25, Pl. 3, figs. 1–13, text-fig. 1; Alaska.
1953. *Weberacantha octa* Hammer (972) p. 46; North Canada; Alaska.

Genus: UZELIA Absolon, 1901 (17) p. 209.
= *Pentapleotoma* Börner, 1903 (239) p. 137.
= *Protanurophorus* Womersley, 1925 (2149) p. 251.
Type species fixed: *U. setifera* (Absolon) by Stach, 1947 (1886) p. 8

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* Börner's original spelling of ANUROPHORINAE ends in "INI", the suffix signifying a *tribus*, but this must be regarded as a *lapsus calami* as he correctly calls it a sub-family.

Uzelia dahli (Börner) 1903

1903. *Pentapleotoma dahli* Börner (239) p. 137; Switzerland.
1947. *Uzelia dahli* Stach (1886) p. 65; Poland; Systematics.
1955. *Uzelia dahli* Stach (1893) p. 108; Poland.
1960. *Uzelia dahli* Gisin (2271) p. 159; Germany.

Uzelia furcata Grindbergs, 1962

1962. *Uzelia furcata* Grindbergs (2480) p. 61, Pl. II, figs. 1–7; Tuvischen, U.S.S.R.

Uzelia furcata lutea Grindbergs, 1962

1962. *Uzelia furcata lutea* Grindbergs (2480) p. 63; Tuvischen, U.S.S.R.

Uzelia hansoni Mills and Richards, 1953

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1953. *Uzelia hansoni* Mills and Richards (1430) p. 55, and fig.; Arctic and Boreal Canada.

Uzelia kuhnelti Cassagnau, 1954

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1954. *Uzelia kuhnelti* Cassagnau (418) p. 613–, fig. 1; Spain.
1960. *Uzelia Kuhnelti* Gisin (2271) p. 160; Spain.

Uzelia oxoniensis (Bagnall) 1914

HOLOTYPE AND PARATYPE: Brit. Mus. Nat. Hist., London.
1914. *Tetracanthella oxoniensis* Bagnall (103) p. 8, figs. 7–9; Britain.
1925. *Protanurophorus oxoniensis* Womersley (2149) p. 251; Britain; Taxonomy.
1930. *Protanurophorus oxoniensis* Womersley (2168) p. 176; Britain.
1933. *Protanurophorus oxoniensis* Turk (2007) p. 94; Britain.
1947. *Uzelia oxoniensis* Stach (1886) p. 65; England.
1960. *Uzelia oxoniensis* Gisin (2271) p. 159; England.

Uzelia pearmani (Womersley) 1925

TYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
COTYPE: Illinois State Nat. Hist., Surv., Urbana, Illinois.
1925. *Protanurophorus pearmani* Womersley (2149) p. 251, figs. 1–4; Britain.
1926. *Protanurophorus pearmani* Womersley (2150) p. 23; Britain.
1926. *Protanurophorus pearmani* Womersley (2151) p. 99; Britain.
1926. *Protanurophorus pearmani* Womersley (2153) p. 219; S.W. England.
1928. *Protanurophorus pearmani* Womersley (2154) p. 376; S.W. England.
1933. *Protanurophorus pearmani* Turk (2007) p. 94; Britain.
1945. *Pentapleotoma pearmani* Delamare Deboutteville (536) p. 22, fig. 1; France.

Uzelia rara Yosii, 1939

TYPE: Osaka Mun. Mus., Osaka, Japan.
1939. *Uzelia rara* Yosii (2223) p. 350, fig. 1; Japan.
1957. *Uzelia rara* Uchida (2041) p. 22; Japan.

Uzelia setifera Absolon, 1901

1901. *Uzelia setifera* Absolon (17) p. 210, figs. 1–4; Czechoslovakia.
1925. *Protanurophorus pearmani* Womersley (2149) p. 251; Britain; cf. Bagnall (117).
1929. *Uzelia setifera* Handschin (1008) p. 54, fig. 93; England.
1931. *Uzelia setifera* Bonet (205) p. 380; Czechoslovakia.
1935. *Uzelia setifera* Schubert (1790) p. 94; Europe.
1937. *Uzelia setifera* Frenzel (828) p. 305; Ecology.
1939. *Uzelia setifera* Bagnall (117) p. 24; Britain.
1939. *Uzelia setifera coniferarum* Bagnall (117) p. 24; Britain.
1942. *Uzelia (Pentapleotoma) coniferarum* Bagnall and Gisin (851) p. 285; Switzerland.
1944. *Pentapleotoma pearmani* (Womersley) Delamare Deboutteville (536) p. 22–; France.
1947. *Uzelia setifera* Stach (1886) p. 67, Pl. VI; Poland; Slovakia; Synonymy.
1950. *Uzelia setifera* Delamare Deboutteville (570) p. 161, fig. 39; France.
1951. *Uzelia setifera* Stach (1889) p. 23, fig. 12-H; Europe.
1953. *Uzelia setifera* Cassagnau (414) p. 156; France.
1955. *Uzelia setifera* Stach (1893) p. 108, figs. 290–291; Europe.
1958. *Uzelia setifera* von Torne (1993) p. 664; Austria.
1959. *Uzelia setifera* Da Gama (2266) p. 15; Portugal.
1959. *Uzelia setifera* Stach (1896)p. 24; Poland.
1960. *Uzelia setifera* Gisin (2271) p. 159, figs. 32 and 302; Europe.
1960. *Uzelia setifera* Grindbergs (2373) p. 36; U.S.S.R.

Uzelia setifera coniferarum Bagnall, 1939

1939. *Uzelia setifera coniferarum nov.* Bagnall (117) p. 24; Britain.
1942. *Uzelia (Pentapleotoma) coniferarum* Gisin (851) p. 285, fig. 1; Diagnosis.
1943. *Uzelia (Pentapleotoma) coniferarum* Gisin (853) p. 156; Switzerland.

Uzelia setifera japonica Yosii, 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Uzelia setifera japonica* Yosii (2570) p. 21, fig. 17; Japan.

Genus: TETRACANTHELLA Schött, 1891 (1763) p. 191.
= *Lubbockia Haller*, 1880 (963) p. 1.
= *Deuterolubbockia* Dalla Torre, 1895 (498) p. 14.

Type species fixed: *T. pilosa* Schött, by Börner, 1903 (239) p. 170.

Tetracanthella acuminata Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella acuminata* Cassagnau (2263) p. 223, fig. 10; Turkey.
1960. *Tetracanthella acuminata* Gisin (2271) p. 167; Turkey.

Tetracanthella afurcata Handschin, 1919

1919. *Tetracanthella afurcata* Handschin (977) p. 75, Pl. I, figs. 6, 14, 22, 26, 27; Alps, Switzerland.
1924. *Tetracanthella afurcata* Handschin (981) p. 108, figs. 5, 61, 62; Switzerland.
1926. *Tetracanthella afurcata* Stirnimann (1907) p. 252; Ecology.
1928. *Tetracanthella afurcata* Kreis (1207) p. 276; Systematics; Biology.
1929. *Tetracanthella afurcata* Handschin (1008) p. 56, fig. 97; Switzerland; alpine.
1947. *Tetracanthella afurcata* Stach (1886) p. 32, Pl. II, fig. 7; Swiss Alps; Caucasus.
1958. *Tetracanthella afurcata* Kholova (1169) p. 234; Bohemia.
1958. *Tetracanthella afurcata* von Torne (1993) p. 664; Austria.
1959. *Tetracanthella afurcata* Cassagnau (2263) p. 227, fig. 3; Swiss Alps and Caucasus.
1960. *Tetracanthella afurcata* Gisin (2271) p. 161; Austrian Alps; Swiss Alps; Caucasus.
1960. *Tetracanthella afurcata* Grindbergs (2373) p. 36; U.S.S.R.

Tetracanthella afurcata iberica (Steiner) 1958

1958. *Tetracanthella iberica* Steiner (2340) p. 69; Spain.
1959. *Tetracanthella afurcata iberica* Cassagnau (2263) p. 227; Spain; Austria.

Tetracanthella alpina Carl, 1901

TYPE? Mus. Hist. Natur., Geneva.
1901. *Tetracanthella alpina* Carl (354) p. 255, figs. 21–25; Switzerland.
1919. *Tetracanthella alpina* Handschin (977) p. 73, Pl. I, figs. 5, 10, 11, 15, 25; Switzerland.
1924. *Tetracanthella alpina* Handschin (981) p. 107, figs. 4, 56–60; Switzerland.
1926. *Tetracanthella alpina* Handschin (988) p. 25, fig. 17; Biology.
1929. *Tetracanthella alpina* Handschin (1008) p. 56, figs. 95, 96; Alps of Europe.
1947. *Lubbockia coerulea* Haller, Stach (1886) p. 35.
1947. *Tetracanthella alpina* Stach (1886) p. 35; Swiss Alps; Synonymy.
1949. *Tetracanthella alpina* Schaller (1742) p. 268; Germany; Ecology.
1959. *Tetracanthella alpina* Cassagnau (2263) p. 242; Alps, Swiss and Austrian.
1959. *Tetracanthella alpina* Haybach (2375) Tab. VIII; Ecology.
1960. *Tetracanthella alpina* Gisin (2271) p. 167; Alps, Swiss and Austrian.

Tetracanthella alpina carpatica (Stach) 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Tetracanthella carpatica* Stach (1886) p. 58, Pl. V, figs. 1–13; Roumania; Poland; Slovakia.
1959. *Tetracanthella carpatica* Cassagnau (2263) p. 243; Poland.
1960. *Tetracanthella alpina carpatica* Gisin (2271) p. 168; Systematics.

Tetracanthella arctica (Hammer) 1944

1944. *Tetracanthella wahlgreni* Hammer (969) p. 61; Boreal.
1959. *Tetracanthella arctica* Cassagnau (2263) p. 234; North Canada; Greenland; Poland; Spitzbergen.
1960. *Tetracanthella arctica* Gisin (2271) p. 162; Greenland; Spitzbergen.

Tetracanthella arctica estaranhensis Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella arctica estaranhensis* Cassagnau (2263) p. 236; France; Pyrenees.

Tetracanthella bipartita Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella bipartita* Cassagnau (2263) p. 230, fig. 12; France; Pyrenees.
1960. *Tetracanthella bipartita* Gisin (2271) p. 164; Pyrenees; France.

Tetracanthella brachyura Bagnall, 1949

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1949. *Tetracanthella brachyura* Bagnall (130) p. 58; Britain.
1955. *Tetracanthella brachyura* Murphy (1474) p. 162; Ecology.
1959. *Tetracanthella brachyura* Cassagnau (2263) p. 244; Britain.
1960. *Tetracanthella brachyura* Murphy (2386) p. 53, figs. 33–38; Britain.

Tetracanthella brevifurca Stach, 1930

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1930. *Tetracanthella brevifurca* Stach (1869) p. 287; Hungary.
1933. *Tetracanthella brevifurca* Schubert (1787) p. 262; Ecology.
1935. *Tetracanthella brevifurca* Schubert (1790) p. 94; Europe.
1947. *Tetracanthella brevifurca* Stach (1886) p. 39, Pl. I; Descr; Poland.
1955. *Tetracanthella brevifurca* Stach (1893) p. 105, figs. 280, 281; Poland.
1958. *Tetracanthella brevifurca* Kholova (1169) p. 234; Bohemia.
1959. *Tetracanthella brevifurca* Cassagnau (2263) p. 227; Poland.
1959. *Tetracanthella brevifurca* Stach (1896) p. 22; Poland.
1960. *Tetracanthella brevifurca* Gisin (2271) p. 161; Czechoslovakia; Poland.

Tetracanthella britannica Cassagnau, 1959

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1959. *Tetracanthella britannica* Cassagnau (2263) p. 232, fig. 13; England.
1960. *Tetracanthella britannica* Gisin (2271) p. 163; England.

Tetracanthella caerulea (Haller) 1880

1880. *Lubbockia caerulea* Haller (962) p. 4; Europe.
1880. *Lubbockia caerulea* Haller (963) p. 749; Europe.
1891. *Tetracanthella pilosa* Schött (1763) p. 191; Scandinavia.
1894. *Tetracanthella pilosa* Schött (1765) p. 77, Pl. VII, figs. 2–5; Norway.
1895. *Deuterolubbockia coerulea* Dalla Torre (498) p. 14; Europe.
1900. *Tetracanthella coerulea* Schäffer (1738) p. 245; Spitzbergen, Barents; Scandinavia; Switzerland.
1947. *Lubbockia coerulea* Stach (1886) p. 35; = *T. alpina.*
1960. *Lubbockia coerulea* Gisin (2271) p. 167; = *sp. dub.*

Tetracanthella carpatica Stach, 1947

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1947. *Tetracanthella carpatica* Stach (1886) p. 58, Pl. V, figs. 1–13; Slovakia; Poland; Roumania.
1955. *Tetracanthella carpatica* Stach (1893) p. 106, figs. 283–285; Poland; Roumania.
1959. *Tetracanthella carpatica* Stach (1896) p. 23–; Poland.

Tetracanthella cassagnaui Gisin, 1962

TYPE: Mus. Hist. Natur., Geneva.
1962. *Tetracanthella cassagnaui* Gisin (2472) p. 19, fig. 22; Switzerland.

Tetracanthella christianseni Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella christianseni* Cassagnau (2263) p. 217, figs. 5 and 8; U.S.A.

Tetracanthella deficiens Steiner, 1958

1958. *Tetracanthella deficiens* Steiner (2342) p. 82, fig. 9; Spain.
1959. *Tetracanthella deficiens* Cassagnau (2263) p. 236; Spain.
1960. *Tetracanthella deficiens* Gisin (2271) p. 162; Spain.

Tetracanthella delamarei Cassagnau, 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1953. *Tetracanthella delamarei* Cassagnau (414) p. 150, fig. 1; France.
1954. *Tetracanthella delamarei* Cassagnau (418) p. 615; Spain.

1959. *Tetracanthella delamarei* Cassagnau (2263) p. 221; France.
1960. *Tetracanthella delamarei* Gisin (2271) p. 166; France.

Tetracanthella elevata Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella elevata* Cassagnau (2263) p. 237, fig. 13; France.
1960. *Tetracanthella elevata* Gisin (2271) p. 162; Pyrenees, France.

Tetracanthella ethelae Wray, 1945

1945. *Tetracanthella ethelae* Wray (2196) p. 34, figs. 1–6, 8–12; North Carolina.
1950. *Tetracanthella ethelae* Wray (2202) p. 6; North Carolina.
1959. *Tetracanthella ethelae* Cassagnau (2263) p. 219, fig. 9; North Carolina.

Tetracanthella franzi Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella franzi* Cassagnau (2263) p. 240, fig. 15; Austrian Alps.
1960. *Tetracanthella franzi* Gisin (2271) p. 165, fig. 310; Austrian Alps.

Tetracanthella gisini Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella gisini* Cassagnau (2263) p. 239, fig. 6; Swiss Alps.
1960. *Tetracanthella gisini* Gisin (2271) p. 166, fig. 311; Swiss Alps.

Tetracanthella hygropetrica Cassagnau, 1954

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1954. *Tetracanthella hygropetrica* Cassagnau (418) p. 615, fig. 2; Pyrenees.
1959. *Tetracanthella hygropetrica* Cassagnau (2263) p. 228; France.
1960. *Tetracanthella hygropetrica* Gisin (2271) p. 164; France, Spain.

Tetracanthella hystrix Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella hystrix* Cassagnau (2263) p. 242, fig. 7; Slovakia.
1960. *Tetracanthella hystrix* Gisin (2271) p. 165; Hungary.

Tetracanthella iberica Steiner, 1959

1959. *Tetracanthella iberica* Steiner (2343) p. 460, fig. 3; Spain.

Tetracanthella kendalli Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Tetracanthella kendalli* Bagnall (117) p. 23, figs. 4 & 5, Britain.
1947. *Tetracanthella kendalli* Stach (1886) p. 33; Scotland.
1949. *Tetracanthella kendalli* Bagnall (130) p. 58; Britain; Ad. descr.
1959. *Tetracanthella kendalli* Cassagnau (2263) p. 244; Britain.

Tetracanthella lichnidis Bagnall, 1949

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1949. *Tetracanthella lichnidis* Bagnall (130) p. 57; Britain.
1959. *Tetracanthella lichnidis* Cassagnau (2263) p. 244; Britain.

Tetracanthella longiseta Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella longiseta* Cassagnau (2263) p. 237, figs. 6, 15; European Alps.

Tetracanthella matthesil Da Gama, 1959

1959. *Tetracanthella matthesil* Da Gama (494) p. 23, fig. XI; Madeira.

Tetracanthella montana Stach, 1947

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1947. *Tetracanthella montana* Stach (1886) p. 54, Pl. III, figs. 8–10, Pl. IV, figs. 1–8; Poland; Carpathians; Slovakia; Styria.
1948. *Tetracanthella montana* Butschek (341) p. 33; N.E. Alps.
1955. *Tetracanthella montana* Stach (1893) p. 108, fig. 289; Poland.
1958. *Tetracanthella montana* von Torne (1993) p. 664; Austria.
1959. *Tetracanthella montana* Cassagnau (2263) p. 239; Poland.
1960. *Tetracanthella montana* Gisin (2271) p. 167; Poland.
1960. *Tetracanthella montana* Grindbergs (2373) p. 37; U.S.S.R.

Tetracanthella perezi Delamare Deboutteville, 1943

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1943. *Tetracanthella Pérezi* Delamare Deboutteville (534) p. 150, fig. 2; France.
1947. *Tetracanthella perezi* Stach (1886) p. 34; Brittany.
1950. *Tetracanthella Pérezi* Delamare Deboutteville (570) p. 143; France.
1959. *Tetracanthella perezi* Cassagnau (2263) p. 223, fig. 2; France.
1960. *Tetracanthella perezi* Gisin (2271) p. 163; France.

Tetracanthella pilosa Schött, 1891

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1891. *Tetracanthella pilosa* Schött (1763) p. 192; Scandinavia.
1893. *Tetracanthella pilosa* Schött (1765) p. 77, Pl. VII, figs. 2–5; Palaearctic; Descr.
1896. *Tetracanthella pilosa* Lie-Pettersen (1281) p. 19; Norway.
1897. *Tetracanthella pilosa* Willem (2122) p. 226; Physiology.
1899. *Tetracanthella pilosa* Wahlgren (2075) p. 336; Bear I., Spitzbergen.
1900. *Tetracanthella pilosa* Axelson (75) p. 111; Finland.
1900. *Tetracanthella pilosa* Skorikow (1833) p. 194; Spitzbergen.
1900. *Tetracanthella pilosa* Wahlgren (2076) p. 5,; Bear Island.
1900. *Tetracanthella pilosa* Wahlgren (2077) p. 375; Spitzbergen; Bear I.
1901. *Tetracanthella alpina* Carl (354) p. 255, Pl. 15, figs. 21–25; Switzerland (cf. Axelson (1292)).
1902. *Tetracanthella pilosa* Schött (1772) p. 18, Pl. III, figs. 12, 13; Scandinavia.
1902. *Tetracanthella pilosa* Skorikow (1835) p. 89; Spitzbergen.
1906. *Tetracanthella pilosa* Wahlgren (2080) p. 248; Sweden.
1907. *Tetracanthella pilosa* Axelson (83) p. 129; Finland.
1908. *Tetracanthella pilosa* Schille (1755) p. 7; Poland.
1911. *Tetracanthella pilosa* Axelson (1291) p. 11; Norway.

1912. *Tetracanthella pilosa* Axelson (1292) p. 101, Pl. VIII, figs. 19–26; Finland; Add. descr.
1912. *Lubbockia coerulea* Axelson (1292) p. 101; Finland.
1912. *Tetracanthella pilosa* Schille (1756) p. 7; Galicia.
1914. *Tetracanthella pilosa* Bagnall (103) p. 6, figs. 1–4; Britain.
1919. *Tetracanthella pilosa* Wahlgren (2089) p. 750; Sweden.
1920. *Tetracanthella pilosa* Stach (1859) p. 157; Poland.
1922. *Tetracanthella pilosa* Carpenter and Phillips (404) p. 18; Spitzbergen; Bear Is.; Scandinavia; Finland; Switzerland.
1925. *Tetracanthella pilosa* Denis (617) p. 210; Italy.
1927. *Tetracanthella pilosa* Denis (629) p. 189; Italy.
1929. *Tetracanthella pilosa* Denis (635) p. 132; Italy.
1929. *Tetracanthella pilosa* Handschin (1008) p. 55, fig. 94; Fennoscandinavia and Poland.
1930. *Tetracanthella pilosa* Stach (1869) p. 286; Scandinavia; Poland; England.
1930. *Tetracanthella pilosa* Womersley (2165) p. 37; Ireland.
1930. *Tetracanthella pilosa* Womersley (2168) p. 176; Ireland.
1931. *Tetracanthella pilosa* Denis (637) p. 10; Italy.
1934. *Tetracanthella pilosa* Davies (522) p. 119; Wales.
1937. *Tetracanthella pilosa* Kseneman (1217) p. 469; Carpathians.
1938. *Tetracanthella pilosa* Kseneman (1220) p. 13; Czechoslovakia.
1941. *Tetracanthella schötti* Bagnall (123) p. 226; *lapsus calami?*
1943. *Tetracanthella pilosa* Agrell (47) p. 125; Sweden.
1943. *Tetracanthella pilosa* Gisin (853) p. 157; Switzerland.
1947. *Tetracanthella pilosa* Stach (1886) p. 49, Pl. III, figs. 1–7; Poland.
1949. *Tetracanthella pilosa* Janetschek (1127) pp. 41, 135–143; Ecology.
1954. *Tetracanthella pilosa* Cassagnau (418) p. 616; Spain.
1955. *Tetracanthella pilosa* Stach (1893) p. 107, figs. 286–288; Europe.
1958. *Tetracanthella pilosa* Christiansen (2264) p. 63; Lebanon.
1958. *Tetracanthella pilosa* Grindbergs (2277) p. —; Latvia.
1958. *Tetracanthella pilosa* Nosek (1503) p. 358; Czechoslovakia.
1959. *Tetracanthella pilosa* Cassagnau (2263) p. 219, figs. 2 and 11; Syria; Lebanon.
1960. *Tetracanthella pilosa* Gisin (2271) p. 165; Europe.
1960. *Tetracanthella pilosa* Grindbergs (2373) p. 37; U.S.S.R.

Tetracanthella proxima (Cassagnau, 1954) Steiner, 1955

1954. *Tetracanthella pilosa* Cassagnau (418) p. 616; Spain.
TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1955. *Tetracanthella proxima* Steiner (1906) p. 337, fig. 9; Spain.
1959. *Tetracanthella proxima* Cassagnau (2263) p. 222; Spain.
1960. *Tetracanthella proxima* Gisin (2271) p. 167; Spain.

Tetracanthella pseudomontana Cassagnau, 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1953. *Tetracanthella pseudomontana* Cassagnau (414) p. 152; France.
1957. *Tetracanthella pseudomontana* Selga (1805) p. 114; Galicia.
1959. *Tetracanthella pseudomontana* Cassagnau (2263) p. 222, fig. 2; France; Pyrenees.
1960. *Tetracanthella pseudomontana* Gisin (2271) p. 166; France; Pyrenees.

Tetracanthella pyrenaica Cassagnau, 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1953. *Tetracanthella pryenaica* Cassagnau (414) p. 152; France.
1959. *Tetracanthella pyrenaica* Cassagnau (2263) p. 229, fig. 6; France.
1960. *Tetracanthella pyrenaica* Gisin (2271) p. 163; Pyrenees.

Tetracanthella reducta von Torne, 1955

1955. *Tetracanthella reducta* von Torne (1989) p. 154, fig. 1; Austria.
1958. *Tetracanthella reducta* von Torne (1993) pp. 664, 675; Austria.
1959. *Tetracanthella reducta* Cassagnau (2263) p. 228; Austria.
1960. *Tetracanthella reducta* Gisin (2271) p. 160; **Austria.**

Tetracanthella reticulata Cassagnau, 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1953. *Tetracanthella reticulata* Cassagnau (414) p. 150, fig. 1; France.

Tetracanthella serrana Steiner, 1955

1955. *Tetracanthella serrana* Steiner (1906) p. 335, fig. 8; Spain.
1959. *Tetracanthella serrana* Cassagnau (2263) p. 230; Spain.
1960. *Tetracanthella serrana* Gisin (2271) p. 164; Spain.

Tetracanthella stachi Cassagnau, 1959

TYPE: Auth. Colln. Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella stachi* Cassagnau (2263) p. 240, figs. 3, 15, 16; Austrian Alps.
1959. *Tetracanthella stachi* Haybach (2375) Tab. VIII; Ecology.
1960. *Tetracanthella stachi* Gisin (2271) p. 168, fig. 33; Austria; Italy; Dolomites.

Tetracanthella strenzkei Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Tetracanthella strenzkei* Gisin (873) p. 1; Holstein, Germany.
1954. *Tetracanthella strenzkei* Cassagnau (418) p. 617, fig. 3; France.
1959. *Tetracanthella strenzkei* Cassagnau (2263) p. 225; France; England; Germany.
1960. *Tetracanthella strenzkei* Gisin (2271) p. 163; France; England; Germany.

Tetracanthella sylvatica Yosii, 1939

1939. *Tetracanthella sylvatica* Yosii (2223) p. 351, fig. 2; Japan.
1947. *Tetracanthella sylvatica* Stach (1886) p. 34; Japan; Systematics.
1957. *Tetracanthella sylvatica* Uchida (2041) p. 22; Japan.
1959. *Tetracanthella sylvatica* Cassagnau (2263) p. 244, fig. 2; Japan.

Tetracanthella transylvanica Cassagnau, 1959

TYPE: Auth. Colln. Fac. Sci., Univ. Toulouse, France.
1959. *Tetracanthella transylvanica* Cassagnau (2263) p. 243, fig. 3; Roumania.
1960. *Tetracanthella transylvanica* Gisin (2271) p. 164; Roumania.

Tetracanthella tuberculata Cassagnau, 1954

TYPE: Auth. Colln. Fac. Sci., Univ. Toulouse, France.

1954. *Tetracanthella tuberculata* Cassagnau (418) p. 617, fig. 4; Spain.
1959. *Tetracanthella tuberculata* Cassagnau (2263) p. 229; France; Spain.
1960. *Tetracanthella tuberculata* Gisin (2271) p. 164; France; Spain.

Tetracanthella tuberculata orbaicetensis Cassagnau, 1959

TYPE: Auth. Colln. Fac. Sci., Univ. Toulouse, France.

1959. *Tetracanthella tuberculata orbaicetensis* Cassagnau (2263) p. 230; Spain.

Tetracanthella wahlgreni (Schött, 1891) Axelson, 1907

TYPE: Zool. Mus. Univ., Helsinki.

1891. *Tetracanthella pilosa* Schött (1763) p. 192; Boreal, Scandinavia.
1893. *Tetracanthella pilosa* Schött (1765) p. 77 (ad. partem); Palearctic.
1896. *Tetracanthella pilosa* Lie-Pettersen (1281) p. 19; Norway.
1899. *Tetracanthella pilosa* Wahlgren (2075) pp. 336, 338; Arctic.
1900. *Tetracanthella pilosa* Axelson (75) p. 111; Scandinavia; Spitzbergen.
1900. *Tetracanthella coerulea* Schaeffer (1738) p. 251; Arctic.
1900. *Tetracanthella coerulea* Schaeffer (1739) p. 245; Germany.
1900. *Tetracanthella pilosa* Wahlgren (2076) p. 5; Bear I.
1902. *Tetracanthella pilosa* Schött (1772) p. 18 (ad. partem), Boreal.
1906. *Tetracanthella pilosa* Wahlgren (2080) p. 248; Sweden.
1907. *Tetracanthella wahlgreni* Axelson (83) p. 129; Finland.
1912. *Tetracanthella wahlgreni* Axelson (1292) p. 103, Pl. VIII, figs. 14–18; Finland; Synonymy.
1914. *Tetracanthella wahlgreni* Bagnall (103) p. 7, figs. 5 & 6; Britain.
1919. *Tetracanthella wahlgreni* Folsom (790) p. 275, Pl. 19, figs. 24–28; Greenland.
1919. *Tetracanthella wahlgreni* Folsom (791) p. 7, Pl. 4, figs. 33–37; Pl. 5, figs. 38–41; Norway; Sweden; Finland; Bear I.
1919. *Tetracanthella wahlgreni* Wahlgren (2089) p. 750; Sweden, alpine.
1928. *Tetracanthella wahlgreni* Remy (1625) p. 64; Greenland.
1929. *Tetracanthella wahlgreni* Handschin (1008) p. 56; Boreal, North America.
1930. *Tetracanthella Wahlgreni* Stach (1869) p. 286; Canada; England.
1931. *Tetracanthella wahlgreni* Brown (310) p. 133; Lapland.
1932. *Tetracanthella wahlgreni* Brown (312) p. 339; Arctic.
1933. *Tetracanthella wahlgreni* Schubert (1787) p. 238; Ecology.
1933. *Tetracanthella wahlgreni* Schubert (1789) p. 3; Germany.
1934. *Tetracanthella wahlgreni* Davies (521) p. 92; Britain.
1934. *Tetracanthella wahlgreni* Davies (522) p. 119; N. Wales.
1934. *Tetracanthella wahlgreni* Jorgensen (1145) p. 7; Greenland.
1935. *Tetracanthella wahlgreni* Bagnall (113) p. 103; Britain.
1935. *Tetracanthella wahlgreni* Schubert (1790) p. 94; Europe.
1936. *Tetracanthella wahlgreni* Brown (314) p. 613; Lapland.
1937. *Tetracanthella wahlgreni* Folsom (806) p. 10, Pl. I, figs. 1–9; Spitzbergen; Greenland; N.W. Territ.
1937. *Tetracanthella wahlgreni* Hammer (966) p. 10; Greenland.
1937. *Tetracanthella wahlgreni* Henriksen (1043) p. 3; Faroes; distribution.
1937. *Tetracanthella wahlgreni* Frenzel (828) p. 296; Ecology.
1937. *Tetracanthella wahlgreni* Schubert (1792) p. 125; Palearctic–Nearctic.
1938. *Tetracanthella wahlgreni* Hammer (968) p. 16; East Greenland.
1938. *Tetracanthella wahlgreni* Kseneman (1219) p. 109; Spieglitzer snow mountains.
1939. *Tetracanthella wahlgreni* Bagnall (117) p. 23; Britain.
1939. *Tetracanthella wahlgreni* Mills (1422) p. 159; N. America.
1941. *Tetracanthella wahlgreni* Agrell (46) p. 19; Swedish Lapland.
1943. *Tetracanthella wahlgreni* Agrell (47) p. 125; Sweden.
1944. *Tetracanthella wahlgreni* Agrell (48) p. 3; Swedish Lapland; habitat.
1944. *Tetracanthella wahlgreni* Hammer (969) p. 61; N. America; Greenland; Bear I.; Spitzbergen; Lapland, Finland; Europe.
1947. *Tetracanthella wahlgreni* Stach (1886) p. 42, Pl. II; Poland; Slovakia; Hungary; Spain.
1949. *Tetracanthella wahlgreni* Bagnall (130) p. 58; Britain.
1951. *Tetracanthella wahlgreni* Stach (1889) p. 27, fig. 14-K.
1952. *Tetracanthella wahlgreni* Hammer (971) p. 413; soil Collemb.; Greenland.
1953. *Tetracanthella wahlgreni* Hammer (972) p. 46; Nth. Canada; Alaska; Lapland; Iceland.
1955. *Tetracanthella wahlgreni* Murphy (1474) p. 160–; Ecology.
1955. *Tetracanthella wahlgreni* Stach (1893) p. 105, fig. 282; Europe; America; Boreal, Alps.
1956. *Tetracanthella wahlgreni* Loksa (1310) p. 381; Ecology.
1957. *Tetracanthella wahlgreni* Bodvarsson (2252) p. 18; Iceland.
1959. *Tetracanthella wahlgreni* Cassagnau (2263) p. 234, figs. 1, 3, 14; Europe.
1959. *Tetracanthella wahlgreni* Stach (1896) p. 22–; Poland.
1960. *Tetracanthella wahlgreni* Bodvarsson (2412) p. 174; Faroes.
1960. *Tetracanthella wahlgreni* Gisin (2271) p. 161, figs. 305–307; Europe.
1960. *Tetracanthella wahlgreni* Grindbergs (2373) p. 37; U.S.S.R.

Genus: TUVIA Grindbergs, 1962 (2480) p. 61
Type species fixed: *T. prima* Grindbergs, 1962 (2480) p. 61.

Tuvia prima Grindbergs, 1962

1962. *Tuvia prima* Grindbergs (2480) p. 61, Pl. 1, figs. 1–8; Tuvischen, U.S.S.R.

Genus: WOMERSLEYELLA Salmon, 1944 (1683) p. 142.
Type species fixed: *W. niveata* Salmon, 1944 (1683) p. 142.

Womersleyella niveata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Womersleyella niveata* Salmon (1683) p. 142, Pl. 58, figs. 74–81; New Zealand.

Genus: STACHANOREMA Wray, 1957 (2211) p. 107.
Type species fixed: *S. arnaudi* Wray, 1957 (2211) p. 107.

Stachanorema arnaudi Wray, 1957

1957. *Stachanorema arnaudi* Wray (2211) p. 108, figs. 1 & 2; Washington, U.S.A.

Genus: FOLSOMIDES Stach. 1922 (1860) p. 17.
Type species fixed: *F. parvulus* Stach, 1922 (1860) p. 17.

Folsomides americanus Denis, 1931

1931. *Folsomides americanus* Denis (638) p. 126, figs. 102–105; Costa Rica.
1933. *Folsomides americanus* Denis (645) p. 237; Costa Rica; Taxonomy.
1947. *Folsomides americanus* Stach (1886) p. 99; Costa Rica; Systematics.
1948. *Folsomides americanus* Denis (676) p. 212; Indo China; Taxonomy.
1950. *Folsomides americanus* Delamare Deboutteville (570) p. 288; Costa Rica.
1954. *Folsomides americanus* Cassagnau (418) p. 619; France; Spain.
1955. *Folsomides americanus* Cassagnau and Delamare Deboutteville (428) p. 379, fig. 8; Lebanon.
1958. *Folsomides americanus* Christiansen (2264) p. 63; Syria; Lebanon.
1959. *Folsomides americanus* Paclt (2316) p. 39; South Africa.

Folsomides decemoculatus Mills, 1935

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1935. *Folsomides decemoculatus* Mills (1418) p. 134, figs. 1, 2; Utah.
1938. *Folsomides decemoculatus* Kseneman (1219) p. 109; Spieglitzer snow mountains; W. and N. America; Czechoslovakia.
1947. *Folsomides decemoculatus* Stach (1886) p. 98; Utah, U.S.A.; Systematics.

Folsomides exiguus Folsom, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Folsomides exiguus* Folsom (801) p. 58, Pl. 4, figs. 42–47; Honolulu.
1935. *Folsomides exiguus* Womersley (2181) p. 214, fig. 4 a-d; Australia.
1939. *Folsomides exiguus* Womersley (2190) p. 143. fig. 51 x-z; Victoria, Australia.
1947. *Folsomides exiguus* Stach (1886) p. 99; Hawaii; Australia.
1948. *Folsomides exiguus* Zimmerman (2237) p. 53, fig. 18 a-f; Hawaii.
1959. *Folsomides exiguus* Yosii (2355) p. 18, figs. 10 B-E; Malaya.

Folsomides exiguus eburnea Delamare Deboutteville, 1950

TYPE: Auth. Pers. Colln., Univ. Nancy, France.
1950. *Folsomides exiguus eburnea* Delamare Deboutteville (570) pp. 64–, 288; Ivory Coast.

Folsomides marchicus (Frenzel) 1941

1941. *Proisotoma marchica* Frenzel (830) p. 321, and figs.; Germany; Switzerland.
1943. *Proisotoma (Folsomides) marchica* Gisin (853) p. 161; Switzerland.
1944. *Folsomides marchica* Gisin (854) p. 52; Germany; Switzerland.
1947. *Folsomides marchicus* Stach (1886) p. 104; Poland.
1954. *Folsomides marchicus* Cassagnau (418) p. 619; Spain; France.
1955. *Proisotoma (Folsomides) marchica* Palissa (1545) p. 482; Ecology.
1955. *Folsomides marchicus* Stach (1893) p. 111; Poland.
1956. *Proisotoma (Folsomides) marchica* Bockemuhl (193) p. 139; Spitzbergen.
1960. *Folsomides marchicus* Gisin (2271) p. 189; Europe.

Folsomides navacerradensis Selga, 1962

1962. *Folsomides navacerradensis* Selga (2583) p. 35, fig. 2; Spain.

Folsomides neozealandia Salmon, 1948

TYPE: Dominion Mus., Wellington, N.Z.
1948. *Folsomides neozealandia* Salmon (1687) p. 292, figs. 3–6; Three Kings Is., New Zealand.

Folsomides parvulus Stach, 1922

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1922. *Folsomides parvulus* Stach (1860) p. 17, Pl. II, figs. 1–4; Hungary.
1930. *Folsomides parvulus* Stach (1869) p. 289; Hungary; Germany; North America.
1937. *Folsomides parvus* Folsom (806) p. 14, figs. 16–20; Nearctic.
1943. *Proisotoma (Folsomides) parvula* Gisin (853) p. 160; Switzerland.
1944. *Proisotoma (Folsomides) parvula* Gisin (855) p. 27; Switzerland.
1947. *Folsomides parvulus* Stach (1886) p. 98, Pl. X, figs. 9–10; Slovakia; Moravia; Germany.
1948. *Folsomides parvulus* Franz and Beier (821) p. 469–; Ecology.
1948. *Proisotoma parvula* Gisin (867) p. 81; Switzerland.
1955. *Proisotoma (Folsomides) parvula* Palissa (1545) p. 482; Ecology.
1955. *Folsomides parvulus* Stach (1893) p. 111, figs. 301 and 302; Poland.
1956. *Proisotoma (Folsomides) parvula* Bockemuhl (193) p. 139; Spitzbergen.
1956. *Proisotoma parvula* Gisin (896) p. 8; Europe.
1958. *Proisotoma parvula* Holler-Land (2283) p. 110; Ecology.
1959. *Proisotoma parvula* Holler-Land (2284) p. 427; Germany; Ecology.
1960. *Folsomides parvulus* Gisin (2271) p. 188, figs. 40 and 348; Central Europe.
1960. *Folsomides parvulus* Grindbergs (2373) p. 39; U.S.S.R.

Folsomides parvus* Folsom, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Folsomides parvus* Mills (1417) p. 43, fig. 3; Iowa.
1937. *Folsomides parvus* Folsom (806) p. 14, Pl. 2, figs. 16–20; Colorado.

* The name *parvus* was first published by Mills (1417) in 1934, but in publishing this name Mills gave credit for the authorship to Folsom. Under Article 21 of the code this would seem to be in order.

1938. *Folsomides parvus* Brimley (275) p. 15; North Carolina.
1938. *Folsomides parvus* Mills (1421) p. 15; North Carolina.
1947. *Folsomides parvus* Stach (1886) p. 101, Pl. X, figs. 1–8; Poland; West Ukraine.
1950. *Folsomides parvus* Wray (2216) p. 61; Utah.
1951. *Folsomides parvus* Salmon (1694) p. 131; Singapore I.
1951. *Folsomides parvus* Stach (1889) p. 27, fig. 14 I.
1951. *Folsomides parvus* Wilkey (2120) p. 79; Colorado.
1953. *Folsomides parvus* Hammer (972) p. 49; North Canada.
1954. *Folsomides parvus* Bellinger (174) p. 21; Connecticut.
1955. *Folsomides parvus* Stach (1893) p. 111; Poland; Ukraine; America.
1959. *Folsomides parvus* Da Gama (2266) p. 15; Portugal.
1959. *Folsomides parvus* Wilkey (2350) p. 223; California.

Folsomides stachi Folsom, 1934

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Folsomides stachi* Mills (1417) p. 45; Iowa.
1937. *Folsomides stachi* Folsom (806) p. 16, Pl. 2, 21–23, Pl. 3, 24–26; Louisiana.
1947. *Folsomides stachi* Stach (1886) p. 99; Louisiana, Iowa, U.S.A.
1951. *Folsomides stachi* Salmon (1694) p. 131; Singapore I.

Folsomides veletensis (Steiner) 1959

1959. *Proisotoma* (*Subisotoma*) *veletensis* Steiner (2341) p. 453–; Spain.
1960. *Folsomides veletensis* Gisin (2271) p. 190; Spain.

Genus: SUBISOTOMA Stach, 1947 (1886) p. 107.
Type species fixed: *S. pusilla* (Schaeffer), by Stach, 1947 (1886) p. 107.

Subisotoma alvarezi Selga, 1960

TYPE: Lab. Zool. Suelo, Inst. Edafolog. Agrobiol., Madrid.
1960. *Proisotoma* (*Subisotoma*) *alvarezi* Selga (2334) p. 96, fig. 2; Annobon I. (Gulf of Guinea).

Subisotoma petiti Delamare Deboutteville, 1948

TYPE: Author's Pers. Colln., Univ. Nancy, France.
1948. *Subisotoma petiti* Delamare Deboutteville (559) p. 177, figs. 1–6; Carmargue, France.
1950. *Subisotoma petiti* Delamare Deboutteville (570) p. 121, fig. 32.
1960. *Subisotoma petiti* Gisin (2271) p. 189; France.
1960. *Subisotoma petiti* Selga (2334) p. 98; France.

Subisotoma pusilla (Schaeffer) 1900

1900. *Isotoma pusilla* Schaeffer (1739) p. 254, figs. 13–15; Germany.
1942. *Proisotoma* (*Ballistrura*) *pusilla* Gisin (851) p. 290, fig. 4; Diagnosis.
1943. *Proisotoma* (*Ballistrura*) *pusilla* Gisin (853) p. 161; Switzerland.
1947. *Subisotoma pusilla* Stach (1886) p. 111, Pl. XII; Poland.
1951. *Proisotoma pusilla* Schaller (1746) p. 493; Ecology.
1954. *Proisotoma pusilla* Cassagnau (418) p. 623; France.
1955. *Subisotoma pusilla* Stach (1893) p. 112; Poland; Switzerland; France.
1958. *Subisotoma pusilla* von Torne (1993) p. 666; Austria.
1960. *Folsomides pusillus* Gisin (2271) p. 190, fig. 350; Europe.

Subisotoma variabilis (Gisin) 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Proisotoma* (*Subisotoma*) *variabilis* Gisin (872) p. 403, fig. 9; Switzerland.
1959. *Subisotoma variabilis* Stach (1896) p. 27; Poland.
1960. *Folsomides variabilis* Gisin (2271) p. 189, fig. 349; Alps, Switzerland.
1960. *Proisotoma* (*Subisotoma*) *variabilis* Selga (2334) p. 99; Switzerland.

Subisotoma variabilis portucalensis (Da Gama) 1961

1961. *Folsomides variabilis portucalensis* Da Gama (2453) p. 24, fig. III; Portugal.

Genus: JACKSONIELLA Denis, 1931 (638) p. 115.
Type species fixed: *J. perparva* (Jackson) by Denis, 1931 (638) p. 115.

Jacksoniella perparva (Jackson) 1927

TYPES AND PARATYPES: Brit. Mus. Nat. Hist., London.
1927. *Proisotoma perparva* Jackson (1120) p. 493, figs. 13–22; Trinidad.
1931. *Proisotoma perparva* Bonet (205) p. 380; Trinidad.

Genus: ASTEPHANUS Denis, 1927 (629) p. 191.
Type species fixed: *A. linnaniemii* Denis, by Stach, 1947 (1886) p. 11.

Astephanus denisi Womersley, 1935

COTYPES: Sth. Austr. Mus., Adelaide.
1935. *Astephanus denisi* Womersley (2181) p. 215, fig. 4 e-i; Victoria, Australia.
1939. *Astephanus denisi* Womersley (2190) p. 141, fig. 51, m-q; Victoria, Australia.

Astephanus linnaniemii Denis, 1926

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1926. *Astephanus linnaniemii* Denis (626) p. 12; Italy.
1927. *Astephanus linnaniemii* Denis (629) p. 190, figs. 40–44; Italy.
1959. *Boernerella linnaniemii* Cassagnau (2262) p. 81, fig. 7; France.
1960. *Coloburella linnaniemii* Gisin (2271) p. 168, fig. 313; Italy; France.

Genus: COLOBURELLA Latzel, 1917 (1249) p. 238.
Type species fixed: *C. reticulata* Latzel, by Stach, 1947 (1886) p. 10.

Coloburella reticulata Latzel, 1917

1917. *Coloburella reticulata* Latzel (1249) p. 238; Austrian Alps.
1922. *Coloburella reticulata* Latzel (1250) p. 57; Ostalpen and Karstes.
1925. *Bornerella zangheri* Denis (617) p. 205, figs. 8–14; Italy.
1957. *Coloburella reticulata* Mills and Schmidt (1432) p. 367; Austria.
1958. *Coloburella reticulata* von Torne (1993) p. 664; Austria.

Coloburella vandeli Cassagnau and Delamare Deboutteville, 1951

COTYPES: Auth. Pers. Collns., Univ. Toulouse, and Univ. Nancy, France.
1951. *Coloburella vandeli* Cassagnau and Delamare Deboutteville (593) p. 3, figs. A-E; France.
1954. *Coloburella vandeli* Cassagnau (418) p. 619; France.

1957. *Boernerella vandeli* Mills and Schmidt (1432) p. 368; France.
1960. *Coloburella vandeli* Gisin (2271) p. 169; France.

Genus: CRYPTOPYGUS Willem, 1902 (2130) p. 11.
Type species fixed: *C. antarcticus* Willem, by Börner, 1903 (239) p. 171.

Cryptopygus antarcticus Willem, 1901

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
LECTOTYPE AND SYNTYPES: Manchester Mus., England.
1901. *Cryptopygus antarcticus* Willem (2127) p. 261, and fig.; Antarctic.
1902. *Cryptopygus antarcticus* Willem (2130) p. 111, fig. 7–9, Pl. IV 1–4; Antarctic.
1906. *Cryptopygus crassus* Carpenter (379) p. 476, Pl. II, figs. 13–23; South Orkney Is.
1906. *Cryptopygus antarcticus* Wahlgren (2079) p. 10, figs. 16–18; South Georgia; Graham Land; Paulet I.
1907. *Cryptopygus antarcticus* Carl (357) p. 3; Antarctic.
1909. *Cryptopygus antarcticus* Enderlein (724) p. 461; Graham Land; Sth. Shetland; Sth. Georgia.
1909. *Cryptopygus crassus* Enderlein (724) p. 461; South Orkney Is.
1912. *Cryptopygus antarcticus* Enderlein (725) p. 139; South Georgia.
1913. *Cryptopygus antarcticus* Ivanoff (1113) pp. 199–203, and figs.; Antarctic.
1913. *Cryptopygus crassus* Ivanoff (1113) p. 203; Antarctic.
1925. *Cryptopygus antarcticus* Carpenter (395) p. 7; Synonymy.
1935. *Cryptopygus antarcticus* Davies (523) pp. 379–380; Falkland Is.
1937. *Cryptopygus antarcticus* Womersley (2185) p. 4; Kerguelen, Heard Is.
1939. *Cryptopygus crassus* Womersley (2190) p. 141, fig. 51 A-D; Tasmania; South Australia.
1946. *Cryptopygus antarcticus* Denis (671) p. 1; Antarctic.
1947. *Cryptopygus antarcticus* Denis (673) p. 45; Kerguelen Is.
1949. *Cryptopygus antarcticus* Salmon (1690) p. 161, fig. 2; Antarctic.
1959. *Cryptopygus antarcticus* Gressit and Weber (2273) p. 445; South Shetlands.

Cryptopygus atratus Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Cryptopygus atratus* Salmon (1676) p. 315, Pl. 48, figs. 150–151; New Zealand.

Cryptopygus australis Womersley, 1934

TYPE: Sth. Austr. Mus., Adelaide.
1934. *Cryptopygus australis* Womersley (2178) p. 87, fig. 1 a-f; Victoria, Australia.
1939. *Cryptopygus australis* Womersley (2193) p. 139, fig. 51 E-J; Victoria, Australia.

Cryptopygus caecus Wahlgren, 1906

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1906. *Cryptopygus caecus* Wahlgren (2079) p. 12, figs. 20, 21; South Georgia.
1909. *Cryptopygus caecus* Enderlein (724) p. 461; Sth. Georgia.
1912. *Cryptopygus caecus* Enderlein (725) p. 139; Sth. Georgia.
1935. *Cryptopygus caecus* Davies (523) p. 380; South Georgia.
1947. *Cryptopygus caecus* Denis (673) p. 47, fig. IV (1–7); Kerguelen Is.
1959. *Cryptopygus caecus* Paclt (2316) p. 40; South Africa.

Cryptopygus cinctus Wahlgren, 1906

1906. *Cryptopygus cinctus* Wahlgren (2079) p. 11, fig. 19; Tierra del Fuego; Falkland Is.
1912. *Cryptopygus cinctus* Enderlein (725) pp. 56, 127; Falkland Is.; Tierra del Fuego.
1935. *Cryptopygus cinctus* Davies (523) p. 380; Tierra del Fuego; Falkland Is.

Cryptopygus granulatus Salmon, 1943

TYPE: Dominion Mus., Wellington, New Zealand.
1943. *Cryptopygus granulatus* Salmon (1680) p. 379, Pl. 42, figs. 59–61; New Zealand.

Cryptopygus haweaensis Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Cryptopygus hawaeaensis* Salmon (1676) p. 314, Pl. 48, figs. 146–148; New Zealand.

Cryptopygus loftyensis Womersley, 1934

SYNTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Cryptopygus loftyensis* Womersley (2178) p. 88, fig. 1 i-m; Sth. Australia.
1936. *Cryptopygus loftyensis* Womersley (2183) p. 320; New Zealand.
1939. *Cryptopygus loftyensis* Womersley (2190) p. 139, fig. 51 K-L; Sth. Australia.
1941. *Cryptopygus loftyensis* Salmon (1676) p. 134, fig. 149; New Zealand.

Cryptopygus minimus Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Cryptopygus minimus* Salmon (1676) p. 312, Pl. 48, fig. 143; New Zealand.

Cryptopygus niger Carpenter, 1925

TYPE, PARATYPES: Manchester Mus., Manchester, England.
1925. *Cryptopygus niger* Carpenter (395) p. 8, figs. 21–25; New Zealand.
1941. *Cryptopygus niger* Salmon (1676) p. 313, figs. 144–145; New Zealand.
1943. *Cryptopygus niger* Salmon (1680) p. 380; New Zealand.

Cryptopygus okukensis Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Cryptopygus okukensis* Salmon (1676) p. 313, Pl. 48, figs. 139–142; New Zealand.

Cryptopygus parallelus (Wahlgren) 1900

1900. *Isotoma parallela* Wahlgren (2078) p. 268; Patagonia.
1907. *Cryptopygus parallelus* Wahlgren (2085) p. 191; Patagonia; Taxonomy.

Cryptopygus reagens Enderlein, 1909

1909. *Cryptopygus reagens* Enderlein (724) p. 407, figs. 222–230; Crozet Is.; Heard I.; Kerguelen Is.

Cryptopygus tasmaniensis Womersley, 1942

SYNTYPES: Sth. Austr. Mus., Adelaide.
1942. *Cryptopygus tasmaniensis* Womersley (2193) p. 25, fig. 2 A-D; Australia.

Cryptopygus terrigenus Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Cryptopygus terrigenus* Salmon (1680) p. 379, Pl. 41, figs. 28–29; New Zealand.

Cryptopygus tricuspis Enderlein, 1909

1909. *Cryptopygus tricuspis* Enderlein (724) p. 459, figs. 220–222; Kerguelen Is.
1937. *Cryptopygus tricuspis* Womersley (2185) p. 4; Kerguelen Is.

Genus: ISOTOMODES Axelson, 1907 (83) p. 129.
Type species fixed: *I. productus* Axelson, by Stach, 1947 (1886) p. 12.

Isotomodes bahiensis Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Isotomodes bahiensis* Rapoport (2533) p. 3, figs. 1–10; Argentina.

Isotomodes bisetosus Cassagnau, 1959

TYPE: Author's Pers. Colln., Univ. Toulouse, France.
1959. *Isotomodes bisetosus* Cassagnau (2262) p. 84, fig. 9; France.
1959. *Isotomodes bisetosus* Da Gama (2266) p. 16; Portugal.

Isotomodes britannicus Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Isotomodes britannicus* Bagnall (119) p. 94; Britain.
1947. *Isotomodes britannicus* Stach (1886) p. 118; England; Ireland.
1949. *Isotomodes britannicus* Bagnall (130) p. 59; Britain.

Isotomodes denisi Folsom, 1932

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Isotomodes denisi* Folsom (801) p. 59, Pl. V, figs. 48–56; Hawaii.
1933. *Isotomodes denisi* Folsom (802) p. 937; Hawaii.
1947. *Isotomodes denisi* Stach (1886) p. 117; Hawaii, Oahu.
1948. *Isotomodes denisi* Zimmerman (2237) p. 54, fig. 19 a-i; Hawaii.
1956. *Isotomodes denisi* Paclt (1541) p. 123–; Biology.

Isotomodes moroccanus (Handschin, 1925) Stach, 1947

1925. *Isotomodes productus* (Axelson) Handschin (987) p. 164, Pl. XXIX, fig. 2; Morocco.
1947. *Isotomodes moroccanus* Stach (1886) p. 117; Atlas Mts.

Isotomodes productus (Axelson) 1903

TYPE: Univ. Mus., Div. Ent., Helsinki.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1903. *Isotoma elongata* Axelson (77) p. 6; Finland.
1906. *Isotoma producta* Axelson (82) p. 11; Revals, Russia.
1907. *Isotomodes productus* Axelson (83) p. 129; Finland.
1911. *Isotomodes productus* Shoebotham (1819) p. 34; England.
1912. *Isotomodes productus* Axelson (1292) p. 107, Pl. I, fig. 9, Pl. IX, figs. 1–10; Finland; Diagnosis.
1925. *Isotomodes productus* Handschin (987) p. 164, Pl. 29, fig. 2; Morocco.
1929. *Isotomodes productus* Handschin (1008) p. 57, fig. 98; Finland; Morocco; South France; England; Baltics.
1930. *Isotomodes productus* Womersley (2165) p. 38; Somerset, England.
1932. *Isotomodes productus plurisetosa* Denis (641) p. 373; France.
1932. *Isotomodes denisi* Folsom (801) p. 59; Hawaii.
1932. *Isotomodes productus* Womersley (2177) pp. 453, 469; South Africa; Europe.
1933. *Isotomodes productus* Mills and Rolfs (1431) p. 79; Washington.
1934. *Isotomodes productus* Womersley (2178) p. 89, fig. 1 g-k; South Australia.
1935. *Isotomodes productus* Womersley (2181) p. 213; New Zealand.
1939. *Isotomodes britannicus* Bagnall (119) p. 94; Britain.
1939. *Isotomodes templetoni* Bagnall (120) p. 197; Britain.
1939. *Isotomodes productus* Womersley (2190) p. 142, fig. 51 R-W; Australia.
1941. *Isotomodes productus* Salmon (1676) p. 315, figs. 189–190; New Zealand.
1943. *Isotomodes productus* Gisin (853) p. 157; Switzerland.
1944. *Isotomodes productus* Gisin (855) p. 20, fig. 17; Switzerland; Add. descr.
1947. *Isotomodes productus* Stach (1886) p. 119, Pl. XIII; Poland; W. Ukraine; Austria.
1948. *Isotomodes productus* Gisin (867) p. 81; Switzerland.
1948. *Isotomodes productus* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Isotomodes productus* Schaller (1742) p. 268; Germany; Ecology.
1950. *Isotomodes productus* Delamare Deboutteville (570) p. 143; France.
1951. *Isotomodes productus* Schaller (1746) p. 463; Germany; Ecology.
1952. *Isotomodes productus* Baudissin (152) p. 54; Ecology.
1952. *Isotomodes productus* Strenzke (1924) p. 5; Germany.
1955. *Isotomodes productus* Stach (1893) p. 113, fig. 307; Poland; Cosmopolite.
1956. *Isotomodes productus* Bockemuhl (193) p. 138; Spitzbergen.
1956. *Isotomodes productus* Gisin (896) p. 8; Geneva.
1957. *Isotomodes productus* Haarlon (2281) p. 12; Denmark; habitat.
1958. *Isotomodes productus* Grindbergs (2277) p. 195; Latvia.
1958. *Isotomodes productus* Holler-Land (2283) p. 110; Ecology.
1958. *Isotomodes productus* von Torne (1993) p. 664; Austria.
1959. *Isotomodes productus* Holler-Land (2284) p. 436; Germany; Ecology.
1959. *Isotomodes productus* Paclt (2316) p. 40; South Africa.
1960. *Isotomodes productus* Gisin (2271) p. 184, fig. 37; Europe.
1960. *Isotomodes productus* Grindbergs (2373) p. 39; U.S.S.R.

Isotomodes productus plurisetosus (Denis) 1923

1923. *Isotomodes productus f. trisetosa* Denis (611) p. 243, figs. 38–42; France.
1923. *Isotomodes productus f. trisetosa* Womersley (2147) p. 37; England.
1925. *Isotomodes productus f. trisetosa* Handschin (987) p. 164, Pl. XXIX, fig. 2; Morocco.
1932. *Isotomodes productus plurisetosa* Denis (641) p. 373; France.
1947. *Isotomodes plurisetosus* Stach (1886) p. 118; France; Moravia; Yugoslavia.
1950. *Isotomodes plurisetosa* Delamare Deboutteville (570) p. 45; France.
1954. *Isotomodes plurisetosus* Cassagnau (418) p. 619; Spain.
1959. *Isotomodes plurisetosus* Da Gama (494) p. 26; Madeira.
1959. *Isotomodes plurisetosus* Da Gama (2266) p. 16; Portugal.

Isotomodes productus trisetosa Denis, 1923

1923. *Isotomodes productus trisetosa* Denis (611) p. 243, figs. 38–42; France.
1960. *Isotomodes trisetosus* Gisin (2271) p. 184; France; Madeira.

Isotomodes templetoni Bagnall, 1939

1939. *Isotomodes templetoni* Bagnall (120) p. 197; Britain.
1940. *Isotomodes templetoni* Bagnall (121) p. 98; Britain.
1947. *Isotomodes templetoni* Stach (1886) p. 118; Ireland; = *I. productus.*
1949. *Isotomodes templetoni* Bagnall (130) p. 60; Ireland.
1960. *Isotomodes templetoni* Gisin (2271) p. 185; Ireland.

***Isotomodes tenuis** Folsom, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Isotomodes tenuis* Mills (1417) p. 46, figs. 4, 86; Iowa.
1937. *Isotomodes tenuis* Folsom (806) p. 17, Pl. 3, figs. 27–34; Massachusetts.
1947. *Isotomodes tenuis* Stach (1886) p. 117; Massachusetts, U.S.A.
1950. *Isotomodes tenuis* Wray (2202) p. 6; North Carolina.
1954. *Isotomodes tenuis* Bellinger (174) p. 21; Connecticut.
1956. *Isotomodes tenuis* Wray and Knowlton (2214) p. 2; Idaho.

Genus: PARANUROPHORUS Denis, 1929 (632) p. 167. Type species fixed: *P. simplex* Denis, by Stach, 1947 (1886) p. 10.

Paranurophorus armatus Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Paranurophorus armatus* Stach (1886) p. 94, Pl. IX, figs. 1–9; Poland.
1954. *Paranurophorus armatus* Cassagnau (418) p. 619; France.
1955. *Paranurophorus armatus* Stach (1893) p. 111, figs. 298–300; Poland.
1959. *Paranurophorus armatus* Wilkey (2350) p. 223; California.

Paranurophorus simplex Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Paranurophorus simplex* Denis (632) p. 167, fig. 1; Yunnan, China.
1947. *Paranurophorus simplex* Delamare Deboutteville (550) p. 135, fig. 4; France; Redescription.
1947. *Paranurophorus simplex* Stach (1886) p. 94; China.
1960. *Coloburella simplex* Gisin (2271) p. 169, fig. 316; France; Yunnan.

Genus: BOERNERELLA Denis, 1925 (617) p. 205. Type species fixed: *B. zangherii* Denis, by Stach, 1947 (1886) p. 10.

Boernerella octogenaria Mills and Schmidt, 1957

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1957. *Boernerella octogenaria* Mills and Schmidt (1432) p. 368, Pl. XXXIV, figs. 1–7; Illinois.

Boernerella zangherii Denis, 1925

1925. *Boernerella zangherii* Denis (617) p. 205, figs. 8–14; Italy.
1927. *Boernerella zangherii* Denis (629) p. 192; Italy.
1951. *Coloburella zangherii* Delamare Deboutteville and Cassagnau (593) p. 402; France.
1957. *Boernerella zangherii* Mills and Schmidt (1432) p. 367; Italy.
1960. *Coloburella zangherii* Gisin (2271) p. 169, figs. 34, 314, 315; Italy; Austrian Alps.

Genus: PSEUDANUROPHORUS Stach, 1922 (1860) p. 10. Type species fixed: *P. boerneri* Stach, 1922 (1860) p. 10.

Pseudanurophorus alticolus Bagnall, 1949

1949. *Pseudanurophorus alticola* Bagnall (130) p. 59; Britain.
1960. *Anurophorus alticola* Gisin (2271) p. 173; Nth. Ireland.

Pseudanurophorus arcticus Christiansen, 1951

PARATYPES: Mus. Comp. Zool., Harvard; Bellinger's Pers. Colln., San Fernando State Coll., Los Angeles; Illinois State Nat. Hist. Surv., Urbana, Illinois.
1951. *Pseudanurophorus arctica* Christiansen (439) p. 131, Pl. 10, figs. 12–14, Pl. 11, figs. 1, 3–5; Alaska.

Pseudanurophorus binoculatus Kseneman, 1934

1934. *Pseudanurophorus binoculatus* Kseneman (1212) p. 1, figs. 1–5; Central Europe.
1937. *Pseudanurophorus binoculatus* Kseneman (1217) p. 469; Carpathians.
1938. *Pseudanurophorus binoculatus* Kseneman (1220) p. 13; Czechoslovakia.
1941. *Pseudanurophorus binoculatus* Agrell (46) p. 19; Swedish Lapland.
1943. *Pseudanurophorus binoculatus* Agrell (47) p. 125; Sweden.
1943. *Pseudanurophorus binoculatus* Gisin (853) p. 157; Switzerland.
1947. *Pseudanurophorus binoculatus* Gisin (866) p. 79; Switzerland.
1947. *Pseudanurophorus binoculatus* Stach (1886) p. 89, Pl. 8, figs. 1–9; Poland and Tirol.
1951. *Pseudanurophorus binoculatus* Gisin (877) p. 85; Switzerland.
1951. *Pseudanurophorus binoculatus* Schaller (1746) p. 463; Ecology.
1951. *Pseudanurophorus binoculatus* Stach (1889) p. 15, fig. 7-E.
1953. *Pseudanurophorus binoculatus* Gisin (885) p. 232; Jan Mayen I.
1954. *Pseudanurophorus binoculatus* Bellinger (174) p. 20; Connecticut.
1954. *Pseudanurophorus binoculatus* Macfadyen (1339) p. 290; Jan Mayen I.
1955. *Pseudanurophorus binoculatus* Palissa (1545) p. 475; Ecology.
1955. *Pseudanurophorus binoculatus* Stach (1893) p. 110, figs. 296 and 297; Poland; Germany; Sweden; Carpathians.
1956. *Pseudanurophorus binoculatus* Paclt (1541) p. 35, fig. 46.
1957. *Pseudanurophorus binoculatus* Bödvarsson (2252) p. 18; Iceland.
1957. *Pseudanurophorus binoculatus* Gisin (898) p. 110; Switzerland.
1958. *Pseudanurophorus binoculatus* Kholova (1169) p. 234; Bohemia.
1958. *Pseudanurophorus binoculatus* von Torne (1993) p. 664; Austria.
1959. *Pseudanurophorus binoculatus* Stach (1896) p. 24; Poland.
1960. *Anurophorus binoculatus* Gisin (2271) p. 172, fig. 320; Europe; Jan Mayen I.
1960. *Pseudanurophorus binoculatus* Murphy (2386) p. 54; Britain.

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* Folsom is validly cited as author in accordance with Article 21 of the International Rules.

Pseudanurophorus binoculatus inoculatus Bödvarsson, 1957

1957. *Pseudanurophorus binoculatus inoculatus* Bödvarsson (2252) p. 19; Iceland.

Pseudanurophorus binoculatus lapponicus Agrell, 1939

1939. *Pseudanurophorus binoculatus lapponicus* Agrell (44) p. 162; Swedish Lapland.

Pseudanurophorus boerneri Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Pseudanurophorus boerneri* Stach (1860) p. 15, Pl. I, figs. 9–11; Austria.
1930. *Pseudanurophorus boerneri* Stach (1869) p. 287; Vienna.
1932. *Pseudanurophorus boerneri* Denis (641) p. 371; France.
1934. *Pseudanurophorus boerneri* Kseneman (1212) p. 6; Czechoslovakia.
1947. *Pseudanurophorus boerneri* Stach (1886) p. 88, Pl. VIII, figs. 10–13; Slovakia; Moravia; Lower Austria.
1955. *Pseudanurophorus boerneri* Stach (1893) p. 110, fig. 295; Poland.
1960. *Anurophorus boerneri* Gisin (2271) p. 173; Hungary; Czechoslovakia.

Pseudanurophorus isotoma (Börner) 1903

TYPES: Deutsch. Entom. Inst., Berlin; Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1903. *Anurophorus isotoma* Börner (239) p. 138, fig. 6; Italy.
1922. *Anurophorus isotoma* Stach (1860) p. 16; Hungary.
1925. *Anurophorus isotoma* Denis (617) p. 210; Italy.
1934. *Pseudanurophorus isotoma* Kseneman (1212) p. 7; Sicily.
1947. *Pseudanurophorus isotoma* Stach (1886) p. 88; France; Italy.
1957. *Pseudanurophorus isotoma* Strebel (1920) p. 471; France; Italy.
1960. *Anurophorus isotoma* Gisin (2271) p. 172, fig. 319; Sicily; France; Germany.

Pseudanurophorus isotoma acuta Denis, 1932

1932. *Pseudanurophorus isotoma* C.B. *acuta* Denis (641) p. 370, fig. VI 1–9; France.
1934. *Pseudanurophorus isotoma acuta* Kseneman (1212) p. 8; France.
1947. *Pseudanurophorus isotoma acuta* Stach (1886) p. 88; France.

Pseudanurophorus isotoma capitata Denis, 1932

1932. *Pseudanurophorus isotoma capitata* Denis (641) p. 357–; France.
1934. *Pseudanurophorus isotoma capitata* Kseneman (1212) p. 8; Central Europe.
1947. *Pseudanurophorus isotoma capitata* Stach (1886) p. 88; Sicily.

Pseudanurophorus sensibilis Cassagnau, 1959

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Toulouse, France.
1959. *Pseudanurophorus sensibilis* Cassagnau (2262) p. 80, fig. 7; France.

Pseudanurophorus utahensis Wray, 1958

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1958. *Pseudanurophorus utahensis* Wray (2212) p. 7, fig. 2; Utah.

Genus: ANUROPHORUS Nicolet, 1842 (1493) p. 52.
= *Adicranus* Bourlet, 1843 (261) p. 126.
= *Bourletia* MacGillivray, 1893 (1342) p. 313.

Type species fixed: *A. laricis* Nicolet, by MacGillivray, 1893 (1342) p. 313.

Bourletia MacGillivray, 1893—Invalidated (a junior objective synonym of *Anurophorus* Nic. 1842), Int. Comm. Zool. Nom. Opinion 439, 1957 (1103) p. 53. Placed on Official Index of Invalid Names, 1958 (2376) p. 85.

Anurophorus Nicolet, 1842—Placed on Official List of Generic Names, 1958, Int. Comm. (2377) p. 145.

Anurophorus balcellsi Selga, 1960

TYPE: Lab. Biol. Aplic., Univ. Barcelona, Spain.
1960. *Anurophorus balcellsi* Selga (2331) p. 192, fig. 2; Spain.

Anurophorus barroudensis Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Toulouse Univ., France.
1959. *Anurophorus barroudensis* Cassagnau (2262) p. 78, fig. 6; France.

Anurophorus certus Nicolet, 1849

1849. *Anurophorus certus* Nicolet (1497) p. 95; Chile.
1858. *Anurophorus certus* Kolenati (1190) p. 131; Chile.
1859. *Anurophorus certus* Müller (1468) p. 31; Chile.

Anurophorus coecus Joseph, 1881

1881. *Anurophorus coecus* Joseph (1149) p. 268; caves, South Austria.
1882. *Anurophorus coecus* Joseph (1150) p. 30; Europe.

Anurophorus coiffaiti Cassagnau & Delamare Deboutteville, 1955

PARATYPES: Auth. Pers. Collns., Univ. Toulouse and Univ. Nancy, France.
1955. *Anurophorus coiffaiti* Cassagnau and Delamare Deboutteville (428) p. 377, fig. 7; Lebanon.
1958. *Anurophorus coiffaiti* Christiansen (2264) p. 59, figs. 6 and 7; Syria; Lebanon.
1960. *Anurophorus coiffaiti* Gisin (2271) p. 171; Lebanon.

Anurophorus cuspidatus (Stach) 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Anurophorus laricus cuspidata* Stach (1859) p. 159, Pl. VI, fig. 29; Poland.
1930. *Anurophorus laricis cuspidatus* Stach (1869) p. 287; Hungary.
1947. *Anurophorus cuspidatus* Stach (1886) p. 83, Pl. VII, figs. 10–14; Poland; Slovakia; Styria; Albania.
1955. *Anurophorus cuspidatus* Stach (1893) p. 108, fig. 292; Add. descr.
1958. *Anurophorus cuspidatus* von Torne (1993) p. 664; Austria.
1960. *Anurophorus cuspidatus* Gisin (2271) p. 171; Europe.

Anurophorus delamarei Selga, 1957

TYPE: Auth. Pers. Colln., Univ. Barcelona, Spain.
1957. *Anurophorus delamarei* Selga (1805) p. 114, fig. 1; Galicia.
1960. *Anurophorus delamarei* Selga (2331) p. 194; Systematics.

Anurophorus dubius Nicolet, 1849

1849. *Anurophorus dubius* Nicolet (1497) p. 94; Chile.
1858. *Anurophorus dubius* Kolenati (1190) p. 131; Chile.
1859. *Anurophorus dubius* Müller (1468) p. 31; Chile.

Anurophorus duodecimoculatus Steiner, 1958

1958. *Anurophorus duodecimoculatus* Steiner (2342) p. 81, fig. 8; Spain.
1960. *Anurophorus duodecimoculatus* Gisin (2271) p. 171; Spain.

Anurophorus fimetarius (Linné, 1767)

1767. *Podura fimetaria* Linné (1302) p. 1014; Europe.
1775. *Podura fimetaria* Müller (1471) p. 1021; Europe.
1781. *Podura fimetaria* Schrank (1784) p. 497; Austria.
1793. *Podura fimetaria* Fabricius (749) p. 67; Europe.
1835. *Podura fimetaria* Boisd. and Lac. (196) p. 115; Paris.
1840. *Podura fimetaria* Lucas (1326) p. 565; Europe.
1842. *Anurophorus fimetarius* Erichson (730) p. 312; Systematics.
1845. *Adicranus fimetarius* Bourlet (266) p. 67; Europe.
1851. *Anurophorus fimetarius* Allman (58) p. 125; Physiology.
1858. *Anurophorus fimetarius* Kolenati (1190) p. 131; Europe.
1859. *Anurophorus fimetarius* Müller (1468) p. 31; Europe.
1869. *Anurophorus fimetarius* Porath (1608) p. 653; Scania.
1875. *Anurophorus fimetarius* Uljanin (2047) p. 1–; on life history.
1900. *Anurophorus fimetarius* Prowazek (1614) p. 339–; Morphology.
1913. *Anurophorus fimetarius* Barber (142) p. 48; luminous collembola.
1952. *Anurophorus fimetarius* Harvey (1025) p. 367; Bioluminescence.
1955. *Anurophorus fimetaria* Bonet (222) p. 71; Nomenclature.

Anurophorus konseli Kseneman, 1936

1936. *Anurophorus konseli* Kseneman (1214) p. 101–; Austria.
1938. *Anurophorus konseli* Kseneman (1220) p. 13; Europe.
1947. *Anurophorus konseli* Stach (1886) p. 74; Austria.
1958. *Anurophorus konseli* Christiansen (2264) p. 62.
1960. *Anurophorus konseli* Gisin (2271) p. 171, figs. 35, 318; Austrian Alps; Italy.

Anurophorus laricis Nicolet, 1842

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1841. *Adicranus corticinus* Bourlet (261) p. 127; France.
1842. *Anurophorus laricus* Erichson (730) p. 312; Systematics.
1842. *Anurophorus laricis* Nicolet (1493) p. 53, Pl. I, fig. 3; France.
1843. *Adicranus corticinus* Bourlet (265) p. 36; France.
1844. *Lipura laricis* Gervais (841) p. 442; Switzerland.
1844. *Lipura laricis* Lucas (1327) p. 296; Reference only.
1845. *Adicranis corticinus* Bourlet (266) p. 67; Europe.
1847. *Anurophorus laricis* Nicolet (1496) p. 385, Pl. V, fig. 19; Switzerland and France.
1858. *Anurophorus laricis* Kolenati (1190) p. 131; France; Switzerland.
1859. *Anurophorus laricis* Müller (1468) p. 31; Switzerland; France.
1862. *Lipura corticinia* Lubbock (1315) p. 600; Europe.
1868. *Lipura corticinia* Lubbock (1316) p. 303; Taxonomic note.
1869. *Anurophorus laricis* Tullberg (2001) p. 13; Scandinavia.
1871. *Anurophorus laricis* Tullberg (2002) p. 154; Sweden.
1872. *Anurophorus laricis* Tullberg (2003) p. 53, Pl. XII, figs. 1 and 2.
1873. *Lipura corticina* Lubbock (1318) p. 191; England.
1875. *Anurophorus laricis* Parona (1556) p. 299; Italy.
1879. *Lipura corticina* Parona (1557) p. 608; Italy.
1880. *Anurophorus laricis* Reuter (1629) p. 208; Orkneys.
1882. *Lipura corticina* Tomosvary (1983) p. 125; Hungary.
1883. *Lipura corticina* Parona (1558) p. 463; Italy.
1887. *Anurophorus laricis* Oudemans (1510) p. 42–; Anatomy.
1888. *Anurophorus laricis* Dalla Torre (497) p. 158; Austria.
1891. *Lipura corticina* Parfitt (1550) p. 349; Devon, England.
1891. *Anurophorus laricis* Uzel (2050) p. 74; Bohemia.
1893. *Bourletia laricis* MacGillivray (1342) p. 313; North America.
1893. *Anurophorus laricis* Schött (1765) p. 86; Sweden; Siberia; and distr.
1895. *Anurophorus laricis* Dalla Torre (498) p. 14; Austria.
1895. *Anurophorus laricis* Reuter (1643) p. 33; Finland; Europe.
1896. *Anurophorus laricis* Lie-Pettersen (1281) p. 20; Norway.
1896. *Anurophorus laricis* Schäffer (1735) p. 164; Germany.
1897. *Anurophorus laricis* Poppe and Schaeffer (1607) p. 266; Germany.
1899. *Anurophorus laricis* Carl (352) p. 283; Switzerland.
1899. *Anurophorus laricis* Wahlgren (2073) p. 185; Sweden.
1899. *Anurophorus laricis* Carpenter and Evans (402) p. 257; Scotland.
1900. *Anurophorus laricis* Absolon (8) p. 414; Czechoslovakia.
1900. *Anurophorus laricis* Lecaillon (1258) p. 70; France.
1900. *Anurophorus laricis* Prowazek (1614) p. 336–; Morphology.
1900. *Anurophorus laricis* Schäffer (1738) p. 240; N.W. Siberia; Europe.
1900. *Anurophorus laricis* Vellay (2056) p. 21; Hungary.
1900. *Anurophorus laricis* Willem (2123) p. 28, Pl. V, figs. 4–10; Systematics.
1901. *Anurophorus laricis* Absolon (11) p. 38; Czechoslovakia.
1901. *Anurophorus laricis* Absolon (12) p. 103; Systematics.
1901. *Anurophorus laricis* Absolon (17) p. 213, figs. 5–7; Central Europe.
1901. *Anurophorus laricis* Börner (231) p. 341; Germany.
1901. *Anurophorus laricis* Börner (234) p. 43; Germany.
1901. *Anurophorus laricis* Boyd (268) p. 317; Scotland.
1901. *Anurophorus laricis* Carl (354) p. 246, fig. 16; Switzerland.
1901. *Anurophorus laricis* Evans (739) p. 156; Scotland.
1901. *Anurophorus laricis* Evans (740) p. 153; Scotland.
1901. *Anurophorus laricis* Krausbauer (1204) p. 95, figs. 97, 98; Germany.
1902. *Anurophorus laricis* Becker (158) p. 26; Russia.
1902. *Anurophorus laricis* Börner (235) p. 105, fig. 12; Systematics.
1902. *Anurophorus laricis* Krausbauer (1205) p. 69; Germany.

1902. *Anurophorus laricis* Lecaillon (1264) p. 132–.
1902. *Anurophorus laricis* Lecaillon (1265) p. 99–; France.
1902. *Anurophorus laricis* Lecaillon (1267) pp. 46–52; Morphology.
1902. *Anurophorus laricis* Schött (1772) p. 18; Sweden.
1902. *Anurophorus laricis* Willem (2131) p. 21; Systematics.
1903. *Anurophorus laricis* Ågren (55) p. 131; Add. descr.; Sweden.
1903. *Anurophorus laricis* Börner (239) p. 171; Systematics.
1903. *Anurophorus laricis* Guthrie (951) p. 98, Pl. XII, figs. 1–2; Orig. descr., Remarks; Minnesota.
1904. *Anurophorus laricis* Ågren (56) p. 14, fig. 9; Lapland.
1904. *Anurophorus laricis* Axelson (79) p. 68; Norway.
1905. *Anurophorus laricis* Axelson (81) p. 29; Tvarminne, Finland.
1905. *Anurophorus laricis* Axelson (82) p. 11; Russia.
1906. *Anurophorus laricis* Axelson (82) p. 11; Russia.
1906. *Anurophorus laricis* Lie-Pettersen (1284) p. 60; Norway.
1906. *Anurophorus laricis* Wahlgren (2080) p. 251; Sweden.
1907. *Anurophorus laricis* Axelson (83) p. 129; Finland.
1907. *Anurophorus laricis* Carpenter (378) p. 54; Lambay I.
1907. *Anurophorus laricis* Wahlgren (2082) p. 222; Torne lappmark.
1908. *Anurophorus laricis* Evans (741) p. 197; Scotland.
1908. *Anurophorus laricis* Schille (1755) p. 8; Poland.
1910. *Anurophorus laricis* Collinge (464) p. 10, figs. 5 and 6; England.
1910. *Anurophorus laricis* Collinge and Shoebotham (472) p. 110, figs. 9, 10; England.
1911. *Anurophorus laricis* Axelson (1291) p. 12; Norway.
1912. *Anurophorus laricis* Axelson (1292) p. 105, Pl. VIII, figs. 27–28; Finland.
1912. *Anurophorus laricis* Dahl (496) p. 427; Ecology.
1912. *Anurophorus laricis* Schille (1756) p. 8; Galizien.
1912. *Anurophorus laricis* Schille (2394) p. 127; Poland.
1913. *Anurophorus laricis* Carpenter (388) p. 10; Clare I., Ireland.
1914. *Anurophorus laricis* Shoebotham (1820) p. 62; Ireland.
1916. *Anurophorus laricis* Bartholin (149) pp. 168, 184; Denmark.
1919. *Anurophorus laricis* Axelson (1293) p. 6; Arctic Urals.
1919. *Anurophorus laricis* Wahlgren (2089) p. 745; Sweden.
1920. *Anurophorus laricis* Stach (1859) p. 158; Poland; Europe; Siberia; North America.
1922. *Anurophorus laricis* Latzel (1250) p. 57; Alps; Finland; Austria.
1922. *Anurophorus laricis* Stach (1861) p. 116; Albania.
1923. *Anurophorus laricis* Brown (302) p. 262; England.
1923. *Anurophorus laricis* Womersley (2147) p. 31; S.W. England.
1924. *Anurophorus laricis* Denis (614) p. 259; France.
1924. *Anurophorus laricis* Handschin (981) p. 109; Switzerland.
1924. *Anurophorus laricis* Handschin (983) p. 85; Switzerland.
1925. *Anurophorus laricis* Denis (617) p. 210; Italy.
1925. *Anurophorus laricis* Handlirsch (976) p. 612; List.
1926. *Anurophorus laricis* Brown (307) p. 334; England.
1926. *Anurophorus laricis* Womersley (2153) p. 219; S.W. England.
1927. *Anurophorus laricis* Handschin (999) p. 298; Westphalian peat-bogs.
1927. *Anurophorus laricis* Womersley (2154) p. 376; S.W. England.
1928. *Anurophorus laricis* Handschin (1003) p. 126; East Prussia.
1928. *Anurophorus laricis* Jackson (1121) p. 301; Britain.
1928. *Anurophorus laricis* Krausse (1206) p. 118; Ecology.
1929. *Anurophorus laricis* Handschin (1008) p. 55; Europe; Siberia; North America; Systematics.
1929. *Anurophorus laricis* Stach (1869) p. 287; Hungary; Europe; Siberia; North America.
1930. *Anurophorus laricis* Buitendijk (334) p. 57; Holland.
1930. *Anurophorus laricis* Womersley (2168) p. 177; Ireland.
1931. *Anurophorus laricis* Bonet (205) p. 380; Germany; Czechoslovakia; in caves.
1931. *Anurophorus laricis* Brown (310) p. 133; Lapland.
1931. *Anurophorus laricis* Denis (639) p. 214; Germany.
1933. *Anurophorus laricis* James (1124) p. 93; Canada.
1933. *Anurophorus laricis* Schubert (1787) p. 189; Ecology.
1933. *Anurophorus laricis* Turk (2007) p. 94; Britain.
1934. *Anurophorus laricis* Agrell (37) p. 221; Ecology; Sweden.
1934. *Anurophorus laricis* Durkop (707) p. 496; Scandinavia; Germany.
1934. *Anurophorus laricis* Perrier (1576) p. 35; France.
1934. *Anurophorus laricis* Volz (2069) p. 171; Ecology.
1935. *Anurophorus laricis* Denis (652) p. 330; Albania.
1935. *Anurophorus laricis* Schubert (1790) p. 94; Europe.
1936. *Anurophorus laricis* Nordberg (1500) p. 34–; Ecology.
1937. *Anurophorus laricis* Folsom (806) p. 12; Europe; Siberia; North America.
1937. *Anurophorus laricis* Frenzel (828) p. 296; Ecology.
1937. *Anurophorus laricis* Schubert (1792) p. 125; Palearctic; Nearctic.
1938. *Anurophorus laricis* Kseneman (1220) p. 13; Europe; Siberia; America.
1941. *Anurophorus laricis* Agrell (46) p. 19; Swedish Lapland.
1941. *Anurophorus laricis* Buitendijk (336) p. 31; Netherlands; Europe; Siberia; North America; W. Ukraine.
1942. *Anurophorus laricis* Marlier (1375) p. 9; Belgium.
1943. *Anurophorus laricis* Agrell (47) p. 125; Sweden.
1943. *Anurophorus laricis* Delamare Deboutteville (534) p. 150; France.
1943. *Anurophorus laricis* Gisin (853) p. 157; Switzerland.
1945. *Anurophorus laricis* Agrell (50) pp. 10, 11; Sweden; Norway; Finland; Habitats.
1947. *Anurophorus laricis* Hemming (1040) p. 584; Proposed type species.
1947. *Anurophorus laricis* Stach (1886) p. 76, Pl. 7, figs. 1–9; Poland; Lithuania; Austria; Germany; Caucasus.
1948. *Bourletia* (*Anurophorus*) *laricis* Franz and Beier (821) p. 474–; Ecology.

1949. *Anurophorus laricis* Janetschek (1127) pp. 41, 135–143; Ecology.
1949. *Anurophorus laricis* Schaller (1742) p. 268; Germany; Ecology.
1949. *Anurophorus laricis* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Anurophorus laricis* Delamare Deboutteville (570) p. 120; France.
1951. *Anurophorus laricis* Maynard (1393) p. 82, Pl. I, fig. 6, Pl. IX, figs. 146, 147; New York.
1951. *Anurophorus laricis* Praport (1610) p. 142; Poland.
1951. *Anurophorus laricis* Schaller (1746) p. 463; Germany; Ecology.
1951. *Anurophorus laricis* Wilkey (2120) p. 79; Colorado.
1953. *Anurophorus laricis* Hammer (972) p. 46; North Canada.
1953. *Anurophorus laricis* Mills and Richards (1430) p. 58; North Canada.
1954. *Anurophorus laricis* Bellinger (174) p. 20; Connecticut.
1955. *Anurophorus laricis* Bonet (222) p. 71; Nomenclature.
1955. *Anurophorus laricis* Chopard (434) p. 20; France.
1955. *Anurophorus laricis* Goto (921) p. 267; Britain.
1955. *Anurophorus laricis* Mills (1427) p. 70; Nomenclature.
1955. *Anurophorus laricis* Salmon (1709) p. 72; Nomenclature.
1955. *Anurophorus laricis* Stach (1893) p. 108, figs. 293 and 294; Holarctic.
1955. *Anurophorus laricis* Strenzke (1926) p. 30; Germany; Scandinavia.
1956. *Anurophorus laricis* Bockemuhl (193) p. 138; Spitzbergen.
1956. *Anurophorus laricis* Goto (926) p. 7; Outer Hebrides.
1957. *Anurophorus laricis* Bodvarsson (2252) p. 19–; Iceland.
1957. *Anurophorus laricis* Gisin (898) p. 110–; Switzerland.
1957. *Anurophorus laricis* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1957. *Anurophorus laricis* Wray (2211) p. 110, fig. 3; U.S.A.
1958. *Anurophorus laricis* Grindbergs (2277) p. 194; Latvia.
1958. *Anurophorus laricis* Grindbergs (2279) p. 52–; Latvia; Ecology.
1958. *Anurophorus laricis* Kholova (1169) p. 234; Bohemia.
1958. *Anurophorus laricis* von Torne (1993) p. 664; Austria.
1959. *Anurophorus laricis* Haybach (2375) Tab. VIII; Ecology.
1959. *Anurophorus laricis* Stach (1896) p. 24; Poland.
1960. *Anurophorus laricis* Gisin (2271) p. 172; Europe.
1960. *A.* (*Anurophorus*) *laricis* Grindbergs (2373) p. 37; U.S.S.R.

Anurophorus laricis clavipilus Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Anurophorus laricis clavipilus* Stach (1886) p. 75; Poland; Hungary; Stiria; Caucasus.
1954. *Anurophorus laricis clavipila* Cassagnau (418) p. 619; France.
1958. *Anurophorus laricis clavipilus* von Torne (1993) p. 664; Austria.

Anurophorus laricis dentatus Börner, 1903

1903. *Anurophorus laricis dentata* Börner (239) p. 138; Germany.

Anurophorus laricis pallidus Absolon, 1901

1901. *Anurophorus laricis pallidus* Absolon (17) p. 216; Czechoslovakia.
1931. *Anurophorus laricis pallidus* Bonet (205) p. 380; Czechoslovakia.

Anurophorus oredonensis Cassagnau, 1953

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Toulouse. France.
1953. *Anurophorus oredonensis* Cassagnau (414) p. 155, fig. 3; France.
1958. *Anurophorus oredonensis* Christiansen (2264) p. 62.
1958. *Anurophorus oredonensis* Steiner (2342) p. 81; Spain.
1960. *Anurophorus oredonensis* Gisin (2271) p. 171; Pyrenees.
1960. *Anurophorus oredonensis* Selga (2331) p. 193; Systematics.

Anurophorus quadrioculatus (von Torne) 1955

1955. *Pseudanurophorus quadrioculatus* von Torne (1989) p. 156, fig. 2; Austria.
1958. *Pseudanurophorus quadrioculatus* von Torne (1993) pp. 664, 675; Austria.
1960. *Anurophorus quadrioculatus* Gisin (2271) p. 172; Austria.

Anurophorus racovitzai Denis, 1932

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1932. *Anurophorus racovitzai* Denis (641) p. 368, fig. V, 1–6; France.
1947. *Anurophorus racovitzai* Stach (1886) p. 74; France.
1960. *Anurophorus racovitzai* Gisin (2271) p. 170, fig. 317; France.

Anurophorus satchelli Goto, 1956

TYPE: Brit. Mus. Nat. Hist., London.
1956. *Anurophorus satchelli* Goto (923) p. 134, 12 figs.; England.
1959. *Anurophorus satchelli* Cassagnau (2262) p. 79, fig. 6-A; France.
1960. *Anurophorus satchelli* Gisin (2271) p. 172; England; Spain; Pyrenees.

Anurophorus stillicidii Schiodte, 1849

1849. *Anurophorus stillicidii* Schiodte (1759) p. 20, Pl. II, fig. 2; Europe.
1858. *Anurophorus stillicidium* Kolenati (1190) p. 131; Karst Caves, Central Europe.
1859. *Anurophorus stillicidii* Müller (1468) p. 31; Europe.
1881. *Anurophorus stillicidi* Joseph (1149) pp. 236, 252, 265; Caves, South Austria.
1882. *Anurophorus stillicidii* Joseph (1150) p. 30; Europe.

Anurophorus subpolaris Salmon, 1962

HOLOTYPE, PARATYPES: Dom. Mus., Wellington, N.Z. PARATYPES: Author's Pers. Colln., Victoria Univ., Wellington, New Zealand; Bishop Mus., Honolulu; U.S. Nat. Mus., Washington, D.C.; Brit. Mus. Nat. Hist., London.
1962. *Anurophorus subpolaris* Salmon (2540) p. 150, figs. 14–20; Antarctic.

Anurophorus unguiculus Bagnall, 1940

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1940. *Anurophorus unguiculus* Bagnall (121) p. 98; Britain.

Sub-family PROISOTOMINAE Stach, 1947 (1886) p. 6

Genus: BAGNALLELLA Salmon, 1951 (1692) p. 19.
= *Holotoma* Bagnall, 1949 (127) p. 93.
= *Holotomodes* Bagnall, 1949 (127) p. 94.
Type species fixed: *B. sedecimoculata* (Salmon) by Salmon, 1951 (1692) p. 19.

Bagnallella elongata (MacGillivray) 1896

TYPE: Mus. Comp. Zool., Harvard.
1896. *Isotoma elongata* MacGillivray (1345) p. 49; America.
1903. *Isotoma bidenticulata* Guthrie (951) p. 66; Minnesota.
1933. *Folsomia elongata* James (1124) p. 98; Canada.
1934. *Folsomia elongata* Mills (1417) p. 48; Iowa.
1936. *Folsomia elongata* Kseneman (1216) p. 213; Systematics.
1937. *Folsomia elongata* Folsom (806) p. 21, Pl. IV, figs. 40–60; U.S.A.
1938. *Folsomia elongata* Brimley (275) p. 15; North Carolina.
1946. *Folsomia elongata* Pearse (1575) p. 139; Ecology.
1947. *Folsomia elongata* Stach (1886) p. 141; U.S.A. (Maine, Illinois, Iowa, Kansas, Minnesota, Colorado).
1950. *Folsomia elongata* Wray (2216) p. 61; Utah.
1951. *Folsomia elongata* Wilkey (2120) p. 79; Colorado.
1953. *Folsomia elongata* Hammer (972) p. 47; North Canada.

Bagnallella elongata bidenticula (Guthrie) 1903

1903. *Isotoma bidenticula* Guthrie (951) p. 66, Pl. X, figs. 2–4; Minnesota.
1912. *Isotoma bidenticula* Bacon (89) p. 842, figs. 267–269; Novaya Zemlya; Greenland; California; North Siberia.
1914. *Isotoma bidenticula* Bacon (94) Pl. I, figs. 4–5; California.
1936. *Folsomia elongata bidenticula* Kseneman (1216) p. 213; Systematics.

Bagnallella prima Mills, 1931

COTYPE: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1931. *Folsomia prima* Mills (1415) p. 3, figs. 7–11; Iowa.
1934. *Folsomia prima* Mills (1417) p. 47; Iowa.
1936. *Folsomia prima* Kseneman (1216) p. 213; Systematics.
1947. *Folsomia prima* Stach (1886) p. 141; Iowa, U.S.A.
1950. *Folsomia prima* Wray (2202) p. 6; Nth. Carolina.

Bagnallella sedecimoculata (Salmon) 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Folsomia sedecimoculata* Salmon (1682) p. 75, Pl. II, figs. 15–19; New Zealand.
1947. *Folsomia sedecimoculata* Stach (1886) p. 141; New Zealand.
1949. *Holotoma sedecimoculata* Bagnall (127) p. 94; Taxonomy.
1951. *Bagnallella sedecimoculata* Salmon (1692) p. 19; Systematics.

Bagnallella silvestrii Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Folsomia silvestrii* Folsom (806) p. 20, Pl. 4, figs. 35–39; New York.
1947. *Folsomia silvestri* Stach (1886) p. 142; New York.
1951. *Folsomia silvestrii* Maynard (1393) p. 88, Pl. IX, fig. 164; New York.

Genus: GNATHISOTOMA Cassagnau, 1957 (2257) p. 393.
Type species fixed: *G. bicolor* Cassagnau, 1957 (2257) p. 393.

Gnathisotoma bicolor Cassagnau, 1957

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Toulouse, France.
1957. *Gnathisotoma bicolor* Cassagnau (2257) p. 393 and figs.; France.
1960. *Isotoma bicolor* Gisin (2271) p. 208; Pyrenees.

Genus: AUSTRALOMIA Bagnall, 1949 (127) p. 91.
= *Litsterodes* Bagnall, 1949 (127) p. 93.
= *Stachomia* Bagnall, 1949 (127) p. 93.
= *Folsomidiella* Bagnall, 1949 (130) p. 59.
Type species fixed: *A. loftyensis* (Womersley) by Bagnall, 1949 (127) p. 91; Monotype.

Australomia alpina Kseneman, 1936

1936. *Folsomia alpina* Kseneman (1214) p. 101–; Austria.
1936. *Folsomia alpina* Kseneman (1216) p. 213, figs. 9–11; Systematics.
1938. *Folsomia alpina* Kseneman (1220) p. 13; Europe.
1943. *Folsomia alpina* Gisin (853) p. 158; Switzerland.
1947. *Folsomia alpina* Stach (1886) p. 141; Austria.
1949. *Folsomia alpina* Janetschek (1127) pp. 41, 135–143; Ecology.
1955. *Folsomia alpina* Gisin (890) p. 144; Switzerland.
1958. *Folsomia alpina* Nosek (1503) p. 358–; Czechoslovakia.
1958. *Folsomia alpina* von Torne (1993) p. 665; Austria.
1960. *Folsomia alpina* Gisin (2271) p. 174, fig. 321; European Alps.

Australomia decemoculata Stach, 1946

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1946. *Folsomia decemoculata* Stach (1884) p. 29, Pl. IX, figs. 1–6; European Alps.
1947. *Folsomia decemoculata* Stach (1886) p. 140; Alps (grossglockner).
1951. *Folsomia decemoculata* Stach (1889) p. 18, fig. 9-A.
1955. *Folsomia decemoculata* Gisin (890) p. 144; Switzerland.
1957. *Folsomia* 10-*oculata* Gisin (898) p. 110–; Switzerland.
1958. *Folsomia decemoculata* von Torne (1993) p. 665; Austria.
1959. *Folsomia decemoculata* Da Gama (2266) p. 16; Portugal.
1960. *Folsomia decemoculata* Gisin (2271) p. 174; Austria; Switzerland.

Australomia inaequalis (Bagnall) 1949

1949. *Folsomidiella inaequalis* Bagnall (130) p. 59; Britain.
1960. *Folsomides inaequalis* Gisin (2271) p. 188; Britain; Nth. Ireland.

Australomia loftyensis (Womersley) 1934

SYNTYPES: Sth. Austr. Mus., Adelaide.
1934. *Folsomia loftyensis* Womersley (2178) p. 91, fig. 2; Sth. Australia.
1936. *Folsomia loftyensis* Kseneman (1216) p. 212; Systematics.
1939. *Folsomia loftyensis* Womersley (2190) p. 144, fig. 52; Sth. Australia.
1947. *Folsomia loftyensis* Stach (1886) p. 129; Sth. Australia.
1949. *Australomia loftyensis* Bagnall (127) p. 91; Taxonomy.
1950. *Folsomia loftyensis* Kseneman (1221) p. 1; Australia.

Australomia octoculata Handschin, 1925

1925. *Folsomia octoculata* Handschin (985) p. 226, figs. 1–5; Sunda I., Java.
1929. *Folsomia octoculata* Handschin (1001) p. 266; Java.
1929. *Folsomia octoculata* Handschin (1006) p. 237; South India.
1936. *Folsomia octoculata* Kseneman (1216) p. 212; Systematics.
1939. *Folsomia octoculata* Yosii (2223) p. 356, fig. 6; Japan.
1943. *Folsomia uenoea* Uchida (2020) p. 1–; Japan.
1947. *Folsomia octoculata* Stach (1886) p. 140; Java; S.W. Provinces, India.
1954. *Folsomia octoculata* Yosii (2231) p. 800; Japan.
1955. *Folsomia oculata* Pistor and Schaller (1595) p. 231; *lapsus calami;* Morphology.
1955. *Folsomia octoculata* Uchida (2034) p. 200; Japan.
1955. *Folsomia octoculata* Yosii (2233) p. 387; Tokara Islands.
1956. *Folsomia octoculata* Yosii (2235) p. 63, Pl. XXXVI, figs. 207, 208; Japan.
1957. *Folsomia octoculata* Uchida (2041) p. 24; Japan.
1959. *Folsomia octoculata* Yosii (2355) p. 18; Malaya.

Genus: SPINUROSOMIA Bagnall, 1949 (127) p. 91.
Type species fixed: *S. novae-zealandiae* (Salmon) by Bagnall, 1949 (127) p. 91.

Spinurosomia novae-zealandiae (Salmon) 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Folsomia novae-zealandiae* Salmon (1682) p. 74, Pl. II, figs. 5–10; New Zealand.
1947. *Folsomia novae-zealandiae* Stach (1886) p. 128; Systematics.
1949. *Spinurosomia novae-zealandiae* Bagnall (127) p. 91; Taxonomy.
1958. *Folsomia novae-zealandiae* Salmon (1718) p. 707; New Zealand.

Genus: FOLSOMIA Willem, 1902 (2133) p. 280.
= *Hemisomia* Bagnall, 1949 (127) p. 92.
= *Mucrosomia* Bagnall, 1949 (127) p. 91.
= *Litsteria* Bagnall, 1949 (130) p. 60.
Type species fixed: *F. fimetaria* (Linné) by Börner, 1903 (239) p. 171.

Folsomia achaeta Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia achaeta* Bagnall (118) p. 58; Britain.
1947. *Folsomia achaeta* Stach (1886) p. 136; England.
1960. *Folsomia achaeta* Gisin (2271) p. 176; England.

Folsomia agrelli (Agrell, 1939) Gisin, 1944

TYPE: Mus. Hist. Natur., Geneva.
1939. *Folsomia quadrioculata* 2 *punctata* Agrell (42) fig. 2-B; Lapland.
1944. *Folsomia agrelli* Gisin (493) p. 48; Swedish Lapland.
1947. *Folsomia agrelli* Stach (1886) p. 133; Sweden.
1957. *Folsomia agrelli* Bodvarsson (2252) p. 19–; Iceland.
1960. *Folsomia agrelli* Gisin (2271) p. 180; Sweden.

Folsomia antricola Loksa, 1959

1959. *Folsomia antricola* Loksa (2296) p. 37, fig. 1; Hungary.

Folsomia bisetosa Gisin, 1953

TYPE: Mus. Hist. Natur., Geneva.
1953. *Folsomia bisetosa* Gisin (885) p. 233; Jan Mayen I.
1954. *Folsomia bisetosa* MacFadyen (1339) p. 290; Mayen I.
1960. *Folsomia bisetosa* Gisin (2271) p. 182, fig. 336; Mayen I.

Folsomia brevicauda Agrell, 1939

1939. *Folsomia brevicauda* Agrell (44) p. 162, fig. 2; Swedish Lapland; Norway.
1941. *Folsomia brevicauda* Agrell (46) p. 19; Swedish Lapland.
1943. *Folsomia brevicauda* Agrell (47) p. 125; Sweden.
1947. *Folsomia brevicauda* Stach (1886) p. 136; Swedish Lapland; Norway.
1949. *Litsteria brevicauda* Bagnall (130) p. 60; Britain; Taxonomy.
1955. *Folsomia brevicauda* Goto (918) p. 31; British Isles.
1955. *Folsomia brevicauda* Murphy (1474) p. 160–; Ecology.
1957. *Folsomia brevicauda* Bodvarsson (2252) p. 22; Iceland.
1959. *Folsomia brevicauda* Stach (1896) p. 69; Boreal.
1960. *Folsomia brevicauda* Gisin (2271) p. 177; Scandinavia; Britain.

Folsomia brevifurca (Bagnall) 1949

1949. *Litsteria brevifurca* Bagnall (130) p. 61; Britain.
1960. *Folsomia brevifurca* Gisin (2271) p. 182; Scotland.

Folsomia candida Willem, 1902

1902. *Folsomia candida* Willem (2133) p. 280; Belgium.
1947. *Folsomia candida* Stach (1886) p. 178, Pl. XIX; Poland; Germany; Austria; Hungary; Italy; Spain; Yugoslavia.
1948. *Folsomia candida* Gisin (867) p. 81; Switzerland.
1952. *Folsomia candida* Massera (1382) p. 30; Italy; caves.
1953. *Folsomia candida* Gisin (888) p. 129; France.
1955. *Folsomia candida* Stach (1893) p. 114, fig. 310; Europe.
1956. *Folsomia candida* Bockemuhl (193) p. 139; Spitzbergen.
1956. *Folsomia candida* Gisin (895) p. 12; Geneva.
1956. *Folsomia candida* Gisin (896) p. 8; Geneva.
1956. *Folsomia candida* Goto (925) p. 12; Wales.
1956. *Folsomia candida* Paclt (1541) p. 88.
1956. *Folsomia candida* Yosii (2235) p. 60, Pl. XXXV. figs. 194–201; Japan.
1957. *Folsomia candida* Nomura (1499) p. 69; Japan.
1957. *Folsomia candida* Paclt (1543) p. 5–; Europe.
1957. *Folsomia candida* Paclt (1544) p. 270, fig. 2; Czechoslovakia
1958. *Folsomia candida* Christiansen (2264) p. 68; Lebanon.
1958. *Folsomia candida* Holler-Land (2283) p. 110; Ecology.
1958. *Folsomia candida* Mrohs (1463) p. 326; Ecology.
1959. *Folsomia candida* Da Gama (494) p. 26; Madeira.
1959. *Folsomia candida* Da Gama (2266) p. 18; Portugal.
1959. *Folsomia candida* Klingler (1959) p. 312; Physiology.
1959. *Folsomia candida* Lawrence (2294) p. 119; England.
1959. *Folsomia candida* Stach (1896) p. 26; Poland.
1960. *Folsomia candida* Gisin (2271) p. 184; Europe.
1960. *Folsomia candida* Goto (2372) p. 958; Parthenogenesis.
1960. *Folsomia candida* Grindbergs (2373) p. 39; U.S.S.R.
1960. *Folsomia candida* Milne (2384) p. 136; Life History.
1960. *Folsomia candida* Paclt (2391) p. 156; Hungary.

Folsomia cavicola Cassagnau and Delamare Deboutteville, 1955

COTYPES: Auth. Pers. Colln., Univ. Toulouse and Univ. Nancy, France.

1955. *Folsomia cavicola* Cassagnau and Delamare Debouteville (428) p. 381, fig. 9; Lebanon.
1958. *Folsomia cavicola* Christiansen (2264) p. 69; Lebanon.
1960. *Folsomia cavicola* Goto (2372) p. 958; Parthenogenesis.

Folsomia clavipila Cassagnau, 1954

TYPE: Author's Pers. Colln., Univ. Toulouse, France.
1954. *Folsomia clavipila* Cassagnau (418) p. 619, figs. 5 and 6; Pyrenees.
1960. *Folsomia clavipila* Gisin (2271) p. 174, fig. 322; Pyrenees.

Folsomia contrapunctata Kseneman, 1950

1950. *Folsomia contrapunctata* Kseneman (1221) p. 2; Austria.
1960. *Folsomia contrapunctata* Gisin (2270) p. 93; Switzerland.
1960. *Folsomia contrapunctata* Gisin (2271) p. 176, fig. 325; Austrian and Swiss Alps.

Folsomia decophthalma Steiner, 1958

1958. *Folsomia decophthalma* Steiner (2342) p. 86, fig. 12; North Spain.
1960. *Folsomia decophthalma* Gisin (2271) p. 175; Nth. Spain.

Folsomia decopsis Steiner, 1958

1958. *Folsomia decopsis* Steiner (2342) p. 84, fig. 11; North Spain.
1960. *Folsomia decopsis* Gisin (2271) p. 174; Nth. Spain.

Folsomia diplophthalma (Axelson) 1902

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1902. *Isotoma diplophthalma* Axelson (76) p. 106; Finland.
1907. *Folsomia quadrioculata diplophthalma* Axelson (83) p. 129; Finland.
1909. *Folsomia quadrioculata diplophthalma* Axelson (84) p. 1–; Russia; Kanin Peninsula.
1909. *Isotoma binoculata* Collinge and Shoebotham (471) p. 88; Britain.
1910. *Folsomia quadrioculata diplophthalma* Collinge and Shoebotham (472) p. 110; Hertfordshire.
1911. *Folsomia diplophthalma* Axelson (1291) p. 13; Norway.
1912. *Folsomia diplophthalma* Axelson (1292) p. 113, Pl. I, fig. 12, Pl. IX, figs. 12–16; Finland.
1919. *Isotoma* (*Folsomia*) *diplophthalma* Folsom (790) p. 276, Pl. 20, figs. 29–34; Greenland.
1919. *Folsomia diplophthalma* Wahlgren (2089) p. 745; Sweden.
1924. *Folsomia diplophthalma* Schött (1776) p. 11; Novaya Zemlya.
1928. *Folsomia diplophthalma* Remy (1625) p. 66; Greenland.
1929. *Folsomia diplophthalma* Handschin (1008) p. 58; North Europe; England.
1930. *Folsomia diplophthalma* Stach (1869) p. 287; Europe; Greenland.
1931. *Isotomodes diplophthalmas* Bonet (205) p. 38; Czechoslovakia.
1933. *Folsomia diplophthalma* Mills and Rolfs (1431) p. 79; Washington.
1933. *Folsomia quadrioculata diplophthalma* Turk (2007) p. 94; Britain.
1934. *Folsomia diplophthalma* Durkop (707) p. 497; Finland; Norway; England.
1934. *Folsomia diplophthalma* Mills (1417) p. 48; Iowa.
1936. *Folsomia diplophthalma* Kseneman (1216) p. 212; Systematics.
1936. *Folsomia diplophthalma* Womersley (2183) p. 320; New Zealand.
1937. *Folsomia diplophthalma* Folsom (806) p. 27, Pl. VI, figs. 59–67; Scandinavia; Russia; U.S.A.; Greenland; Finland; England; Novaya Zemlya.
1937. *Folsomia diplophthalma* Frenzel (828) p. 36; Ecology.
1937. *Folsomia diplophthalma* Hammer (966) p. 10; East Greenland.
1937. *Folsomia diplophthalma* Kseneman (1217) p. 469; Carpathians.
1938. *Folsomia diplophthalma* Hammer (968) p. 8; East Greenland.
1938. *Folsomia diplophthalma* Kseneman (1220) p. 14; Europe.
1939. *Folsomia diplophthalma* Bagnall (118) p. 57; Britain.
1939. *Folsomia diplophthalma* Mills (1422) p. 159; North America.
1939. *Folsomia diplophthalma* Yosii (2223) p. 354; Japan.
1941. *Folsomia diplophthalma* Agrell (46) p. 19; Swedish Lapland.
1941. *Folsomia diplophthalma* Salmon (1676) p. 316, figs. 159–160; New Zealand.
1943. *Folsomia diplophthalma* Agrell (47) p. 125; Sweden.
1944. *Folsomia diplophthalma* Hammer (969) p. 61; North America; Greenland; Spitzbergen; Lapland; Finland; Europe; Arctic Siberia.
1947. *Folsomia diplophthalma* Stach (1886) p. 158, Pl. XV, fig. 1; East Carpathian Mts.
1948. *Folsomia diplophthalma* Franz and Beier (821) p. 451–; Ecology; Austria.
1948. *Folsomia diplophthalma* Gisin (867) p. 80; Switzerland.
1949. *Litsteria diplophthalma* Bagnall (130) p. 60; Britain.
1950. *Folsomia diplophthalma* Wray (2216) p. 61; Utah.
1951. *Folsomia diplophthalma* Maynard (1393) p. 87, Pl. IX, 161–163; New York.
1952. *Folsomia diplophthalma* Hammer (971) p. 413; Soil; Greenland.
1952. *Folsomia diplophthalma* Mihelcic (1406) p. 96; Ecology.
1953. *Folsomia diplophthalma* Hammer (972) p. 47; North Canada.
1953. *Folsomia diplophthalma* Mills and Richards (1430) p. 54; North Canada.
1954. *Folsomia diplophthalma* Cassagnau (418) p. 622; France.
1954. *Folsomia diplophthalma* Hammer (974) p. 12; North Greenland.
1955. *Folsomia diplophthalma* Stach (1893) p. 116, fig. 316; Holarctic.
1955. *Folsomia diplophthalma* Strenzke (1926) p. 32; Finland; Holstein.
1955. *Folsomia diplophthalma* Uchida (2034) p. 200; Japan.
1956. *Folsomia diplophthalma* Wray and Knowlton (2214) p. 2; Idaho.
1957. *Folsomia diplophthalma* Bodvarsson (2252) p. 19–; Iceland.
1957. *Folsomia diplophthalma* Uchida (2041) p. 23; Japan.
1958. *Folsomia diplophthalma* Holler-Land (2283) p. 110; Ecology.
1958. *Folsomia diplophthalma* Kholova (1169) p. 234; Bohemia.
1959. *Folsomia diplophthalma* Franz and Gunhold etc. (2369) p. 50; Communities.
1959. *Folsomia diplophthalma* Wilkey (2350) p. 223; California.
1960. *Folsomia diplophthalma* Gisin (2271) p. 179; Europe.

1960. *Folsomia diplophthalma* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia diplophthalma anocellata Maynard, 1951

HOLOTYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Folsomia diplophthalma anocellata* Maynard (1393) p. 87; New York.

Folsomia diplophthalma bipunctata Agrell, 1939

1939. *Folsomia diplophthalma* 2-*punctata* Agrell (42) p. 7, fig. 2-D; Swedish Lapland; Finland.
1942. *Folsomia diplophthalma bipunctata* Haarlov (954) p. 44; Greenland.

Folsomia diplophthalma caeca Kseneman, 1936

1936. *Folsomia diplophthalma caeca* Kseneman (1216) p. 212; Czechoslovakia.
1937. *Folsomia diplophthalma caeca* Kseneman (1217) pp. 463, 469; Carpathians.

Folsomia diplophthalma pallida Kseneman, 1937

1937. *Folsomia diplophthalma pallida* Kseneman (1217) pp. 462, 469; Carpathians.

Folsomia diplophthalma quadripunctata Agrell, 1939

1939. *Folsomia diplophthalma* 4-*punctata* Agrell (42) p. 6, figs. 3-B, 4-B; Sweden.
1949. *Folsomia diplophthalma* 4-*punctata* Strenzke (1922); Germany; Ecology.

Folsomia diplophthalma tetrophthalma Kseneman, 1936

1936. *Folsomia diplophtholma tetrophthalma* Kseneman (1214) p. 106; Central Europe.
1936. *Folsomia diplophthalma tetrophthalma* Kseneman (1216) p. 212; Systematics.
1937. *Folsomia diplophthalma tetrophthalma* Kseneman (1217) p. 463; Carpathians.
1938. *Folsomia diplophthalma tetrophthalma* Kseneman (1219) p. 109; Spieglitzer snow mountains.
1938. *Folsomia diplophthalma tetrophthalma* Kseneman (1220) p. 13; Czechoslovakia.
1946. *Folsomia tetrophthalma* Gisin (857) p. 219; Switzerland.

Folsomia distincta Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia distincta* Bagnall (117) p. 27; Britain.
1943. *Folsomia distincta* Gisin (853) p. 160; Switzerland.
1944. *Folsomia distincta* Gisin (855) p. 24, fig. 19; Systematics.
1950. *Folsomia distincta* Delamare Deboutteville (569) p. 122, figs. 1–6; France.
1950. *Folsomia distincta* Delamare Deboutteville (570) p. 238; France.
1954. *Folsomia distincta* Cassagnau (418) p. 622; France.
1957. *Folsomia distincta* Gisin (901) p. 477; Madeira.

Folsomia duodecimsetosa Hammer, 1953

TYPE: Author's Pers. Colln., Fredensborg, Denmark.
1953. *Folsomia duodecimsetosa* Hammer (972) p. 48, fig. 21; North Canada.

Folsomia emeraldica (Rayment) 1937

1937. *Entomobrya emeraldica* Rayment (1621) p. 59.
1939. *Folsomia distincta* Bagnall (117) p. 27; Britain.
1939. *Folsomia fimetaria* Bagnall (117) p. 28; Britain.
1939. *Folsomia emeraldica* Womersley (2190) p. 318; Descr. and justification.
1942. *Folsomia emeraldica* Womersley (2193) p. 25; New Zealand.

Folsomia fimetaria (Linné) 1758

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1746. *Podura terrestris alba* Linné (1299) p. 343; Europe; cf. Gisin (855) p. 23.
1758. *Podura fimetaria* Linné (1300) p. 609; Europe.
1763. *Podura terrestris* Scopoli (1794) p. 378; Europe; cf. Gisin (855) p. 23.
1781. *Podura alba* Shrank (1784) p. 494; Austria; cf. Gisin (855) p. 23.
1871. *Isotoma alba* Tullberg (2002) p. 152; Sweden.
1872. *Isotoma fimetaria* Tullberg (2003) p. 48, Pl. IX, figs. 32–33; Sweden.
1873. *Isotoma nivalis* Packard (1520) p. 13; Embryology; cf. Gisin (855) p. 23.
1876. *Isotoma fimetaria* Tullberg (2004) p. 37; Boreal.
1890. *Isotoma fimetaria* Uzel (2050) p. 66; Bohemia.
1891. *Isotoma fimetaria* MacGillivray (1341) p. 273; North America.
1893. *Isotoma fimetaria* Schött (1765) p. 75; Palearctic.
1895. *Isotoma alba* Dalla Torre (498) p. 9; Systematics.
1895. *Isotoma fimetaria* Reuter (1643) p. 28; Finland.
1896. *Isotoma fimetaria* Lie-Pettersen (1281) p. 18; Norway.
1896. *Isotoma fimetaria* MacGillivray (1345) p. 58; North America.
1896. *Isotoma manubriata* MacGillivray (1345) p. 49; America.
1896. *Isotoma fimetaria* Meinert (1399) p. 169; Greenland.
1896. *Isotoma fimetaria* Schäffer (1735) p. 183; Germany.
1896. *Isotoma fimetaria* Schött (1769) p. 184; North America.
1897. *Entomobrya cavicola* Banks (in Coll.) (136) p. 380, Pl. X, fig. 2; Kentucky.
1897. *Isotoma fimetaria* Poppe and Schäffer (1607) p. 268; Germany.
1898. *Isotoma fimetaria* Lie-Pettersen (1282) p. 13; Scandinavia.
1898. *Isotoma fimetaria* Scherbakow (1750) p. 58; Kiev.
1898. *Isotoma fimetaria* Scherbakow (1751) p. 12; Kiev.
1899. *Isotoma fimetaria* Carl (352) p. 310; Switzerland.
1899. *Isotoma fimetaria* Carpenter and Evans (402) p. 251; Edinburgh.
1899. *Isotoma fimetaria* Scherbakow (1752) p. 5; Spitzbergen.
1899. *Isotoma fimetaria* Scherbakow (1754) p. 47; Spitzbergen.
1900. *Isotoma fimetaria* Carpenter (368) p. 274; Franz Josef Land.
1900. *Isotoma fimetaria* Schäffer (1739) p. 268; Germany.
1900. *Isotoma fimetaria* Wahlgren (2077) p. 356; Arctic.
1901. *Isotoma fimetaria* Absolon (12) p. 107; Czechoslovakia.
1901. *Isotoma splendens* Becker (158) p. 19; Russia; cf. Gisin (855) p. 23.

1901. *Isotoma fimetaria* Börner (234) p. 46; Central Europe.
1901. *Isotoma fimetaria* Evans (740) p. 153; Scotland.
1902. *Isotoma fimetaria* Folsom (780) p. 364; Collembola of the Grave.
1902. *Isotoma fimetaria* Folsom (781) p. 92; Alaska.
1902. *Isotoma fimetaria* Krausbauer (1205) p. 68; Germany.
1902. *Isotoma fimetaria* Schött (1772) p. 21; Boreal.
1902. *Folsomia candida* Willem (2133) p. 280; Belgium.
1903. *Isotoma fimetaria* Ågren (55) p. 143; South Sweden.
1903. *Isotoma* (*Folsomia*) *fimetaria* Börner (239) p. 171; Systematics.
1903. *Isotoma fimetaria* Guthrie (951) p. 64; Minnesota.
1904. *Isotoma fimetaria* Ågren (56) p. 21; Lapland.
1905. *Isotoma* (*Folsomia*) *fimetaria* Axelson (81) p. 29; Tvarminne, Finland.
1906. *Isotoma fimetaria* Axelson (82) p. 11.
1906. *Isotoma fimentaria* Wahlgren (2080) p. 255; Sweden.
1906. *Isotoma fimentaria* Wahlgren (2082) p. 223; Scandinavia.
1907. *Folsomia fimetaria* Axelson (83) p. 130; Finland.
1908. *Isotoma fimetaria* Evans (741) p. 197; Scotland.
1910. *Folsomia fimetaria* Collinge (464) p. 9; England.
1910. *Folsomia fimetaria* Collinge and Shoebotham (472) p. 109; England.
1911. *Folsomia fimetaria* Axelson (1291) p. 14; Norway.
1914. *Folsomia fimetaria* Shoebotham (1820) p. 62; Ireland.
1912. *Folsomia fimetaria* Axelson (1292) p. 114; Finland.
1916. *Folsomia fimetaria* Bartholin (149) p. 185; Denmark.
1916. *Folsomia fimetaria* Carr (407) p. 64; England.
1917. *Folsomia dubia* Kinoshita, in litt; cf. Gisin (855) p. 23.
1917. *Folsomia fimetaria* Shoebotham (1823) p. 221; England.
1918. *Folsomia fimetaria* Brown (296) p. 186; England.
1919. *Folsomia fimentaria* Wahlgren (2089) p. 750; Sweden.
1920. *Folsomia fimetaria* Stach (1859) p. 160; Poland.
1921. *Folsomia fimetaria* Denis (607) p. 125; France.
1921. *Folsomia fimetaria* Zimmerman (2237) p. 55, Pl. 7, figs. 37–39; Hawaii.
1922. *Folsomia fimetaria* Carpenter and Phillips (404) p. 18; Spitzbergen; Franz Josef Land; Jan Mayen I.; Greenland; Ireland; Finland; North Siberia; Scandinavia; Germany; Switzerland; Britain.
1922. *Folsomia fimetaria* Denis (609) p. 111; Ile de Yeu, France.
1922. *Folsomia fimetaria* Latzel (1250) p. 57; Austria.
1923. *Folsomia fimetaria* Womersley (2147) p. 32; S.W. England.
1924. *Folsomia fimetaria* Denis (614) p. 292; France.
1924. *Folsomia fimetaria* Handschin (981) p. 110; Switzerland.
1924. *Folsomia fimetaria* Handschin (983) p. 85; Switzerland.
1924. *Folsomia fimetaria* Thompson (1970) p. 361; Ecology.
1925. *Folsomia fimetaria* Willem (2137) p. 626–; Biology.
1926. *Folsomia fimetaria* Handschin (995) p. 130; Subterranean.
1926. *Folsomia fimetaria* Zwaluwenburg (2240) p. 18; damaging sugar, Hawaii.
1927. *Folsomia fimetaria* Carpenter (396) p. 198; Spitzbergen.
1927. *Folsomia fimetaria* Folsom (799) p. 6, Pl. V, figs. 39–43; Central America.
1927. *Folsomia fimetaria* Handschin (999) p. 298; Westphalian peat bogs.
1927. *Folsomia fimetaria* Morris (1457) p. 449; Ecology.
1927. *Folsomia fimetaria* Strebel (1911) p. 260–; Physiology.
1927. *Folsomia fimetaria* Womersley (2154) p. 376; S.W. England.
1927. *Folsomia fimetaria* Womersley (2155) p. 40; England.
1928. *Folsomia fimetaria* Krausse (1206) p. 118; Ecology.
1928. *Folsomia fimetaria* Remy (1624) p. 52; Greenland.
1928. *Folsomia fimetaria* Remy (1625) p. 66; Greenland.
1928. *Folsomia fimetaria* Summerhayes and Elton (1939) p. 216–; Spitzbergen.
1928. *Folsomia fimetaria* Womersley (2154) p. 376; S.W. England.
1929. *Folsomia fimetaria* Edwards (715) p. 311–; Ecology.
1929. *Folsomia fimetaria* Handschin (1006) p. 237; South India.
1929. *Folsomia fimetaria* Handschin (1008) p. 58, fig. 100; Palaearctic and Nearctic Region.
1929. *Folsomia fimetaria* Stach (1869) p. 287; Europe; North America.
1930. *Folsomia fimetaria* Buitendijk (334) p. 58; Holland.
1930. *Folsomia fimetaria* Mills (1414) p. 392.
1930. *Folsomia fimetaria* Womersley (2168) p. 177; Ireland.
1931. *Folsomia fimetaria* Bonet (205) p. 307; Spain; in caves; distribution.
1931. *Folsomia fimetaria* Denis (638) p. 126; Costa Rica.
1931. *Folsomia fimetaria* Denis (639) p. 214; Germany.
1932. *Folsomia fimetaria* Brown (312) p. 339; Arctic.
1932. *Folsomia fimetaria* Folsom (801) p. 60; Hawaii.
1932. *Entomobrya cavicola* Giovannoli (848) p. 614; Kentucky.
1933. *Folsomia fimetaria* Bonet (209) p. 132; Argentina.
1933. *Folsomia fimetaria* Denis (644) p. 211; Yugoslavia.
1933. *Folsomia fimetaria* Denis (645) p. 238; Add. descr.
1933. *Folsomia fimetaria* Folsom (802) p. 937; Economics.
1933. *Folsomia fimetaria* Giovannoli (848) p. 615; Kentucky.
1933. *Folsomia fimetaria* Mills and Rolfs (1431) p. 79; Washington.
1934. *Folsomia fimetaria* Bonet (210) p. 363; note on form; Kentucky.
1934. *Folsomia fimetaria* Davies (522) p. 119; Wales.
1934. *Folsomia fimetaria* Durkop (707) p. 497; Palaearctic; Nearctic.
1934. *Folsomia fimetaria* Jorgensen (1145) p. 7–; Greenland.
1934. *Folsomia fimetaria* Lack (1229) p. 602; Greenland.
1934. *Folsomia fimetaria* Mills (1417) p. 48; Iowa.
1934. *Folsomia fimetaria* Volz (2069) p. 172; Ecology.

1934. *Folsomia fimetaria* Womersley (2178) p. 89, fig. 2-a; Victoria, Australia.
1935. *Folsomia fimetaria* Carpenter (399) p. 136; Society Islands.
1935. *Folsomia fimetaria* Denis (652) p. 330; Yugoslavia.
1935. *Folsomia fimetaria* Denis (654) p. 90; Measurements and ratios; Italy.
1935. *Folsomia fimetaria* Durkop (708) p. 133; Germany.
1935. *Folsomia fimetaria* Schubert (1791) p. 118–, p. 205–, p. 369–; Germany.
1936. *Folsomia fimetaria* Axelson (1297) p. 22; N.E. Greenland.
1936. *Folsomia fimetaria* Bornebusch (227) p. 39; Denmark.
1936. *Folsomia fimetaria* Kseneman (1216) p. 211; Systematics.
1936. *Folsomia fimetaria* Stammer (1900) p. 211; Schneeberghohle.
1937. *Folsomia fimetaria* Folsom (806) p. 28, Pl. 7, figs. 68–79; North America; Mexico; North and Middle Europe.
1937. *Folsomia fimetaria* Frenzel (828) p. 296; Ecology.
1937. *Folsomia fimetaria* Hammer (966) p. 10; East Greenland.
1937. *Entomobrya emeraldica* Rayment (1621) p. 59; Food of Collembola.
1937. *Folsomia fimetaria* Weidner (2107) p. 18–; Central Europe.
1938. *Folsomia fimetaria* Brimley (275) p. 15; North Carolina.
1938. *Folsomia fimetaria* Brown (317) p. 306; England.
1938. *Folsomia fimetaria* Hammer (968) p. 19; East Greenland.
1938. *Folsomia fimetaria* Kseneman (1219) p. 109; Spieglitzer snow mountains.
1938. *Folsomia fimetaria* Lengersdorf (1276) p. 146; Germany.
1938. *Folsomia fimetaria* Mills (1421) p. 15; North Carolina.
1939. *Folsomia fimetaria* Bagnall (117) p. 28; Britain.
1939. *Folsomia fimetaria* Bueker (332) p. 20, figs. 18–21; St Louis, U.S.A.
1939. *Folsomia fimetaria* Mills (1422) p. 159; North America.
1939. *Folsomia fimetaria* Stach (1881) p. 398; Caves in Glatzer Schneebergs.
1939. *Folsomia fimetaria* Womersley (2190) p. 145, fig. 52-E; Victoria, Australia.
1939. *Folsomia fimetaria* Yosii (2223) p. 353, fig. 3; Japan.
1940. *Folsomia fimetaria* Uchida (2019) p. 5; Japan, caves.
1941. *Folsomia fimetaria* Agrell (46) p. 19; Swedish Lapland.
1941. *Folsomia fimetaria* Buitendijk (336) p. 34; Netherlands; Palaearctic and Nearctic.
1942. *Folsomia fimetaria* Haarlov (954) p. 45; Greenland.
1942. *Folsomia fimetaria* Marlier (1375) p. 9; Belgium.
1942. *Folsomia fimetaria* Muhlmann (1467) p. 196; Europe.
1942. *Folsomia fimetaria* Scott (1796) p. 179; West U.S.A.
1943. *Folsomia fimetaria* Agrell (47) p. 125; Sweden.
1942. *Folsomia* (*Lipura*) *fimetaria* Caspers (408) p. 150; Helgoland I.
1943. *Folsomia fimetaria* Gisin (853) p. 159; Switzerland.
1943. *Folsomia fimetaria* Strebel (1919) p. 117; Germany.
1944. *Folsomia fimetaria* Gisin (855) p. 23, fig. 18 A-B; Synonymy.
1944. *Folsomia fimetaria* Hammer (969) p. 61; North America; Greenland; Jan Mayen I.; Spitzbergen; Lapland.
1944. *Folsomia fimetaria* Jeannel (1129) p. 141; Cave Collembola.
1945. *Folsomia fimetaria* Agrell (50) pp. 10, 11; Sweden; Norway; Habitats.
1946. *Folsomia fimentaria* Pearse (1575) p. 139; Ecology.
1947. *Folsomia fimetaria* Gisin (866) p. 79; Switzerland.
1947. *Folsomia fimetaria* Stach (1886) p. 154, Pl. 15, figs. 8–10; Poland; West Ukraine; Slovakia; Austria.
1948. *Folsomia fimetaria* Denis (676) p. 215; Indo-China; Zoogeography.
1948. *Folsomia fimetaria* Leleup (1270) p. 10; Belgium.
1948. *Folsomia fimetaria* Salt etc. (1724) p. 145; Ecology.
1948. *Folsomia fimentaria* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Folsomia fimetaria* Schaller (1742) p. 268; Germany; Ecology.
1949. *Folsomia fimetaria* Strenzke (1922) p. 207; Germany; Ecology.
1950. *Folsomia fimetaria* Kinoshita and Uchida (1179) p. 13 and fig.; Japan.
1950. *Folsomia fimetaria* Knowlton (1185) p. 96; Utah.
1950. *Folsomia fimetaria* Wray (2202) p. 61; Utah.
1951. *Folsomia fimetaria* Gisin (877) p. 85; Switzerland.
1951. *Folsomia fimetaria* Maynard (1393) p. 84, Pl. IX, 148–151; New York.
1951. *Folsomia fimetaria* Schaller (1746) p. 465; Germany; Ecology.
1952. *Folsomia fimetaria* Hammer (971) p. 413, Tab. I; Soil; Greenland; Alaska.
1952. *Folsomia fimetaria* Harvey (1025) p. 369; Bioluminescence.
1952. *Folsomia fimetaria* Mihelcic (1406) p. 96; Ecology.
1953. *Folsomia fimetaria* Hammer (972) p. 48; North Canada.
1953. *Folsomia fimetaria* Hammer (973) p. 8; Ellesmere I., Canada.
1953. *Folsomia fimetaria* Hazelton and Glennie (1037) p. 273; Britain.
1953. *Folsomia fimetaria* Mills and Richards (1430) p. 54; North Canada.
1954. *Folsomia fimetaria* Bellinger (174) p. 21; Connecticut.
1954. *Folsomia fimetaria* Cassagnau (418) p. 622; France.
1954. *Folsomia fimetaria* Hammer (974) p. 13; North Greenland.
1955. *Folsomia fimetaria* Kuhnelt (1223) p. 12; Ecology.
1955. *Folsomia fimentaria* Murphy (1474) p. 158· Ecology.
1955. *Folsomia fimetaria* Stach (1893) p. 115, fig. 311; Europe.
1955. *Folsomia fimetaria* Strenzke (1926) p. 32; Europe.
1955. *Folsomia fimetaria* Uchida (2034) p. 200; Japan.
1955. *Folsomia fimetaria* Yosii (2233) p. 387; Tokara Islands.
1956. *Folsomia fimetaria* Goto (926) p. 8; Outer Hebrides.
1956. *Folsomia fimetaria* Grindbergs (2274) p. 135; Latvia.

1956. *Folsomia fimetaria* Paclt (1541) p. 123; Biology.
1956. *Folsomia fimetaria* Wray and Knowlton (2214) p. 2; Idaho.
1956. *Folsomia fimetaria* Yosii (2235) p. 61, Pl. XXXV, figs. 202–204; Japan.
1957. *Folsomia fimetaria* Bodvarsson (2252) p. 21; Iceland.
1957. *Folsomia fimetaria* Haarlov (2281) p. 10; Denmark; habitat.
1957. *Folsomia fimetaria* Kuhnelt (1224) p. 68; Ecol ogy.
1957. *Folsomia fimetaria* Strebel (1920) p. 470.
1957. *Folsomia fimetaria* Uchida (2041) p. 22; Japan.
1958. *Folsomia fimetaria* Grindbergs (2275) p. 11; Latvia.
1958. *Folsomia fimetaria* Grindbergs (2277) p. 195; Latvia.
1958. *Folsomia fimetaria* Holler-Land (2283) p. 110; Ecology.
1958. *Folsomia fimetaria* Kholova (1169) p. 234; Bohemia.
1958. *Folsomia fimetaria* von Torne (1993) p. 665; Austria.
1959. *Folsomia fimetaria* Holler-Land (2284) p. 426; Ecology; Germany.
1959. *Folsomia fimetaria* Müller (2309) p. 244; Ecology.
1959. *Folsomia fimetaria* Paclt (2317) p. 339; Czechoslovakia.
1959. *Folsomia fimetaria* Stach (1896) p. 25; Poland.
1959. *Folsomia fimetaria* Wilkey (2350) p. 223; California.
1959. *Folsomia fimetaria* Yosii (2402) p. 145, figs. A-H; Economic; Japan.
1960. *Folsomia cavicola* Christiansen (2364) p. 42; Nth. American caves.
1960. *Folsomia fimetaria* Gisin (2271) p. 183, fig. 338; Europe.
1960. *Folsomia fimetaria* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia fimetaria caldaria (Axelson) 1905

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1905. *Isotoma fimetaria caldaria* Axelson (80) p. 790; Finland.
1905. *Isotoma* (*Folsomia*) *fimetaria caldaria* Axelson (81) p. 29; Finland.
1907. *Folsomia fimetaria calderia* Axelson (83) p. 130; Finland.
1912. *Folsomia fimetaria calderia* Axelson (1292) p. 116, Pl. I, fig. 11; Finland.
1921. *Folsomia fimetaria calderia* Stach (1859) p. 160; Poland.
1923. *Folsomia fimetaria calderia* Womersley (2147) p. 32; S.W. England.
1933. *Folsomia fimetaria calderia* Turk (2007) p. 94; Britain.
1934. *Folsomia fimetaria calderia* Mills (1417) p. 49; Iowa.
1936. *Folsomia fimetaria caldaria* Kseneman (1216) p. 211; Systematics.
1937. *Folsomia fimetaria calderia* Folsom (806) p. 31, Pl. 8, fig. 80; New York.
1944. *Folsomia calderia* Gisin (855) p. 25; Switzerland.
1951. *Folsomia fimetaria calderia* Maynard (1393) p. 85; New York.

Folsomia fimetaria dentata Folsom, 1927

SYNTYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1927. *Folsomia fimetaria dentata* Folsom (799) p. 7, Pl. V, figs. 44, 45; Mexico.
1934. *Folsomia fimetaria dentata* Mills (1417) p. 49; Iowa.
1936. *Folsomia fimetaria dentata* Kseneman (1216) p. 211; Systematics.
1944. *Folsomia dentata* Gisin (855) p. 25; Switzerland.
1948. *Folsomia fimetaria dentata* Spencer (1851) p. 22; Canada.

Folsomia fimetarioides (Axelson) 1903

1903. *Isotoma fimetarioides* Axelson (77) p. 8; Finland.
1907. *Folsomia fimetarioides* Axelson (83) p. 130; Finland.
1912. *Folsomia fimetarioides* Axelson (1292) p. 116, Pl. I, fig. 10, Pl. IX, figs. 19–22; Finland; Diagnosis.
1925. *Folsomia fimetarioides* Womersley (2149) p. 252, 2 figs.; England.
1926. *Folsomia fimetarioides* Womersley (2153) p. 219; S.W. England.
1929. *Folsomia fimetarioides* Handschin (1008) p. 59, fig. 101; Baltics; Switzerland.
1933. *Folsomia fimetarioides* Turk (2007) p. 94; Britain.
1934. *Folsomia fimetarioides* Womersley (2178) p. 90, Pl. I, fig. 2-b; Victoria, Australia.
1935. *Folsomia fimetarioides* Carpenter (399) p. 136; Society Is.
1936. *Folsomia fimetarioides* Womersley (2183) p. 320; New Zealand.
1936. *Folsomia fimetarioides* Kseneman (1216) p. 211; Systematics.
1939. *Folsomia fimetarioides* Agrell (44) p. 163; Sweden; Finland; Baltics; Switzerland.
1939. *Folsomia fimetarioides* Womersley (2190) p. 145, fig. 52-F; Victoria.
1941. *Folsomia fimetarioides* Agrell (46) p. 20; Swedish Lapland.
1941. *Folsomia fimetarioides* Salmon (1676) p. 316, figs. 152–153; New Zealand.
1943. *Folsomia fimetarioides* Agrell (47) p. 125; Sweden.
1947. *Folsomia fimetarioides* Stach (1886) p. 128; Balticum; England; Switzerland.
1956. *Folsomia fimetarioides* Paclt (1541) p. 123; Biology.
1958. *Folsomia fimetarioides* Grindbergs (2275) p. 11; Latvia.
1958. *Folsomia fimetarioides* Grindbergs (2277) p. 195; Latvia.
1958. *Folsomia fimetarioides* von Torne (1993) p. 665; Austria.
1959. *Folsomia fimetarioides* Stach (1896) p. 69; Boreo-Alpine.
1960. *Folsomia fimetarioides* Gisin (2271) p. 181, fig. 333; Europe.
1960. *Folsomia fimetarioides* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia fontis Yosii, 1953

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1953. *Folsomia fontis* Yosii (2229) p. 67, figs. 1–6; Japan.

Folsomia garretti Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia garretti* Bagnall (117) p. 26; Britain.
1947. *Folsomia garretti* Stach (1886) p. 128; England; Scotland.
1955. *Folsomia garretti* Strenzke (1926) p. 32; England; Scotland.
1960. *Folsomia garretti* Gisin (2271) p. 181; England; Scotland.

Folsomia guthriei (Axelson) 1912

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1903. *Isotoma minima* Guthrie (951) p. 63; Minnesota.
1912. *Proisotoma guthriei* Axelson (1292) p. 132; Finland.
1937. *Folsomia guthriei* Folsom (806) p. 22, Pl. V, figs. 47–49; Minnesota.
1942. *Folsomia guthriei* Scott (1796) p. 178; West U.S.A.
1947. *Folsomia guthriei* Stach (1886) p. 129; North America.

Folsomia hasegawai Yosii, 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Folsomia hasegawai* Yosii (2354) p. 117, figs. 6–11; Japan.

Folsomia highlandia Wray, 1950

1950. *Folsomia highlandia* Wray (2201) p. 95, figs. 10–17; Nearctic.

Folsomia hodgei Maynard, 1951

1951. *Folsomia hodgei* Maynard (1393) p. 86, Pl. IX, figs. 152–160; New York.

Folsomia hoffi Scott, 1961

TYPES: Acad. Nat. Sci., Philadelphia.
1961. *Folsomia hoffi* Scott (2544) p. 264, fig. 1; New Mexico.

Folsomia inoculata Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Folsomia inoculata* Stach (1886) p. 145, Pl. XIV, figs. 1–9; Poland; Carpathians; Caucasus.
1955. *Folsomia inoculata* Gisin (890) p. 145; Switzerland.
1955. *Folsomia inoculata* Stach (1893) p. 116, figs. 312 and 313; Add. descr.
1956. *Folsomia inoculata* Bockemuhl (193) p. 138; Spitzbergen.
1958. *Folsomia inoculata* von Torne (1993) p. 665; Austria.
1959. *Folsomia inoculata* Stach (1896) p. 25; Poland.
1960. *Folsomia inoculata* Gisin (2271) p. 182, fig. 335; Europe.
1960. *Folsomia inoculata* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia kerni Gisin, 1948

TYPE: Mus. Hist. Natur., Geneva.
1948. *Folsomia kerni* Gisin (867) p. 87; Tessin, Switzerland.
1960. *Folsomia kerni* Gisin (2271) p. 183, fig. 338; Switzerland.

Folsomia kingi Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia kingi* Bagnall (117) p. 28; Britain.
1944. *Folsomia kingi* Gisin (855) p. 25; Switzerland.

Folsomia ksenemani Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Folsomia ksenemani* Stach (1886) p. 134, Pl. XVI, fig. 6; Czechoslovakia.
1954. *Folsomia ksenemani* Cassagnau (418) p. 622; France.
1955. *Folsomia ksenemani* Cassagnau and Delamare Deboutteville (428) p. 382; Lebanon.
1955. *Folsomia ksenemani* Stach (1893) p. 117, fig. 318; Poland; Czechoslovakia.
1956. *Folsomia ksenemani* Bockemuhl (193) p. 139; Spitzbergen.
1958. *Folsomia ksenemani* Kholova (1169) p. 234; Bohemia.
1960. *Folsomia ksenemani* Gisin (2271) p. 180; Germany; France; Hungary; Czechoslovakia.

Folsomia ksenemani caeca (Kseneman, 1936) Stach, 1947

1936. *Folsomia diplophthalma caeca* Kseneman (1214) p. 101–; Central Europe.
1947. *Folsomia ksenemani caeca* Stach (1886) p. 134; Czechoslovakia.

Folsomia litsteri Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia litsteri* Bagnall (118) p. 56; Britain.
1943. *Folsomia litsteri* Gisin (853) p. 160; Switzerland.
1944. *Folsomia litsteri* Gisin (855) p. 121, fig. 18 C-D; Switzerland.
1948. *Folsomia litsteri* Gisin (867) p. 83; Switzerland.
1952. *Folsomia litsteri* Macfadyen (1337) p. 110; England.
1958. *Folsomia litsteri* Mrohs (1463) p. 331; Ecology.
1958. *Folsomia litsteri* Palissa (2318) p. 467; Germany.
1959. *Folsomia litsteri* Palissa (2319) p. 278–; Ecology.
1960. *Folsomia litsteri* Bodvarsson (2412) p. 174; Färoes.
1960. *Folsomia litsteri* Gisin (2271) p. 183, fig. 338; Europe.
1960. *Folsomia litsteri* Palissa (2319) p. 367; Systematics and Ecology.

Folsomia lunata Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Folsomia lunata* Salmon (1682) p. 73, Pl. 11, figs. 1–4; New Zealand.
1947. *Folsomia lunata* Stach (1886) p. 128; New Zealand.

Folsomia manolachei Bagnall, 1939

1939. *Folsomia manolachei* Bagnall (118) p. 58; Britain.
1947. *Folsomia manolachei* Stach (1886) p. 137; England; Scotland; Ireland; Roumania.
1955. *Folsomia manolachei* Strenzke (1926) p. 32; Finland; Holstein.
1957. *Folsomia manolachei* Bodvarsson (2252) p. 22; Iceland.
1957. *Folsomia manolachei* Gisin (900) p. 487, figs. 8 and 9; Scotland.
1960. *Folsomia manolachei* Gisin (2271) p. 178, figs. 328 and 329; Britain.

Folsomia microchaeta Agrell, 1939

1939. *Folsomia microchaeta* Agrell (42) p. 5; Sweden.
1941. *Folsomia microchaeta* Agrell (46) p. 19; Swedish Lapland.
1943. *Folsomia microchaeta* Agrell (47) p. 125; Sweden.
1947. *Folsomia microchaeta* Stach (1886) p. 137; Swedish mountains.
1959. *Folsomia microchaeta* Stach (1896) p. 69; Boreal.
1960. *Folsomia microchaeta* Gisin (2271) p. 178; Swedish Lapland.

Folsomia microchaeta bipunctata Agrell, 1939

1939. *Folsomia microchaeta* 2-*punctata* Agrell (42) p. 6; Sweden.

Folsomia microchaeta quadripunctata Agrell, 1939

1939. *Folsomia microchaeta* 4-*punctata* Agrell (42) p. 5, fig. 2 C; Sweden.
1953. *Folsomia microchaeta* 4-*punctata* Hammer (972) p. 48; North Canada.

Folsomia minima (Guthrie) 1903

1903. *Isotoma minima* Guthrie (951) p. 63, Pl. IX, figs. 17–19, Pl. X, fig. 1; Minnesota.
1914. *Isotoma minima* Bacon (94) p. 149, Pl. II, fig. 5; California.
1949. *Hemisomia minima* Bagnall (127) p. 92; Taxonomy.

Folsomia miradentata Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Folsomia miradentata* Salmon (1682) p. 74, Pl. 11, figs. 11–14; New Zealand.

Folsomia monoculata (Bagnall) 1949

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1949. *Litsteria monoculata* Bagnall (130) p. 61; Britain.
1960. *Folsomia monoculata* Gisin (2271) p. 179; North Ireland.

Folsomia monophthalma Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia monophthalma* Bagnall (118) p. 59; Britain.
1947. *Folsomia monophthalma* Stach (1886) p. 135; Roumania.
1949. *Litsteria monophthalma* Bagnall (130) p. 60; Scotland.
1960. *Folsomia monophthalma* Gisin (2271) p. 180; Roumania.

Folsomia montigena Stach, 1946

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1946. *Folsomia montigena* Stach (1884) p. 32, Pl. X, figs. 1–10; Alps.
1947. *Folsomia montigena* Stach (1886) p. 150, Pl. XV, figs. 2–7; Poland; Crimea.
1955. *Folsomia montigena* Stach (1893) p. 116, figs. 314 and 315; Add. descr.
1959. *Folsomia montigena* Stach (1896) p. 25; Poland.

Folsomia multiseta Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1942. *Folsomia penicula* (Bagnall) Gisin (851) p. 288, fig. 2; Diagnosis.
1946. *Folsomia tetrophthalma* (Kseneman) Gisin (857) p. 219; Switzerland.
1947. *Folsomia multiseta* Stach (1886) p. 172, Pl. XVIII, figs. 1–5; Poland; Caucasus; Italy; Ukraine.
1948. *Folsomia multiseta* Butschek (341) p. 33; N.E. Alps.
1948. *Folsomia multiseta* Gisin (867) p. 80; Switzerland.
1952. *Folsomia multiseta* Massera (1382) p. 30; Italy; caves.
1954. *Folsomia multiseta* Bellinger (174) p. 21; Connecticut.
1955. *Folsomia multiseta* Stach (1893) p. 118, fig. 323; Europe.
1956. *Folsomia multiseta* Bockemuhl (193) p. 139; Spitzbergen.
1956. *Folsomia multiseta* Gisin (895) p. 12; Geneva.
1957. *Folsomia multiseta* Gisin (901) p. 477; Madeira.
1958. *Folsomia multiseta* von Torne (1993) p. 665; Austria.
1959. *Folsomia multiseta* Da Gama (494) p. 27, fig. XII; Madeira.
1959. *Folsomia multiseta* Da Gama (2266) p. 18; Portugal.
1959. *Folsomia multiseta* Haybach (2375) Tab. VIII; Ecology.
1959. *Folsomia multiseta* Loksa (2296) p. 40, fig. 2; Hungary.
1959. *Folsomia multiseta* Stach (1896) p. 26; Poland.
1960. *Folsomia multiseta* Gisin (2271) p. 178, figs. 36, 330 and 331; Europe.
1960. *Folsomia multiseta* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia multiseta alba Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Folsomia multiseta alba* Stach (1886) p. 138; Poland.

Folsomia multiseta depigmentata Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Folsomia multiseta depigmentata* Stach (1886) p. 138; Poland; Austria.

Folsomia multiseta dives Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Folsomia multiseta dives* Stach (1886) p. 176, Pl. XVIII, figs. 6, 7; Austria; Styria.
1948. *Folsomia multiseta dives* Gisin (867) p. 87; Switzerland.
1958. *Folsomia multiseta dives* von Torne (1993) p. 665; Austria.

Folsomia nakajimai Yosii, 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Folsomia nakajimai* Yosii (2354) p. 116, figs. 1–5; Japan.

Folsomia nana Gisin, 1957

TYPE: Mus. Hist. Natur., Geneva.
1957. *Folsomia nana* Gisin (900) p. 486, figs. 8–9; Switzerland; England.
1957. *Folsomia nana* Gisin (898) p. 110–; Switzerland.
1958. *Folsomia nana* Nosek (1503) p. 358–; Czechoslovakia.
1960. *Folsomia nana* Gisin (2271) p. 178, figs. 328 and 329; Germany; England; Switzerland; Austria; Czechoslovakia.

Folsomia nivalis (Packard) 1873

TYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1873. *Isotoma nivalis* Packard (1521) p. 31; Massachusetts.
1891. *Isotoma nivalis* MacGillivray (1341) p. 273; Nth. America.
1895. *Isotoma nivalis* Dalla Torre (498) p. 10; Classification.
1896. *Isotoma nivalis* MacGillivray (1345) p. 53; U.S.A.
1896. *Isotoma nivalis* MacGillivray (1345) p. 53; U.S.A.
1909. *Isotoma nivalis* Dow & Smith (692) p. 35; New Jersey.
1933. *Folsomia nivalis* Folsom (802) p. 937; Economics.
1933. *Folsomia nivalis* Mills and Rolfs (1431) p. 79; Washington.
1937. *Folsomia nivalis* Folsom (806) p. 32, Pl. 8, figs. 81–88; U.S.A.
1951. *Folsomia nivalis* Maynard (1393) p. 84; New York.
1959. *Folsomia nivalis* Wilkey (2350) p. 223; California.

Folsomia ozeana Yosii, 1954

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1954. *Folsomia ozeana* Yosii (2231) p. 801, fig. 19; Japan.
1956. *Folsomia ozeana* Yosii (2235) p. 64, Pl. XXXVI, fig. 209; Japan.

Folsomia parasitica Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Folsomia parasitica* Salmon (1680) p. 380, Pl. 41, figs. 30–33; New Zealand.

Folsomia penicula Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia penicula* Bagnall (118) p. 57; Britain.

1942. *Folsomia penicula* Gisin (851) p. 288, fig. 2; Diagnosis.
1943. *Folsomia penicula* Gisin (853) p. 158; Switzerland.
1947. *Folsomia penicula* Stach (1886) p. 138; England; Switzerland.
1948. *Folsomia pennicula* Franz and Beier (821) p. 455–; Ecology.
1949. *Folsomia penicula* Strenzke (1922) p. 206; Germany; Ecology.
1958. *Folsomia penicula* Christiansen (2264) p. 65; Lebanon; Syria.
1958. *Folsomia penicula* Miles (1412) p. 638, one fig; Wales.
1960. *Folsomia penicula* Gisin (2271) p. 179; Europe.

Folsomia pseudodiplophthalma Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Folsomia pseudodiplophthalma* Stach (1886) p. 162, Pl. XVI, figs. 1–5; Poland.
1955. *Folsomia pseudodiplophthalma* Stach (1893) p. 118, fig. 319; Carpathians.
1960. *Folsomia pseudodiplophthalma* Gisin (2271) p. 180; Carpathians.
1960. *Folsomia pseudodiplophthalma* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia pusilla Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Folsomia pusilla* Salmon (1683) p. 143, Pl. 58, figs. 82–87; New Zealand.
1947. *Folsomia pusilla* Stach (1886) p. 127; New Zealand.

Folsomia quadrioculata (Tullberg) 1871

1871. *Isotoma quadrioculata* Tullberg (2002) p. 152; Sweden.
1872. *Isotoma quadrioculata* Tullberg (2003) p. 48, Pl. IX, figs. 25–31; Sweden.
1876. *Isotoma quadrioculata* Tullberg (2004) p. 36; Boreal.
1887. *Isotoma quadrioculata* Stuxberg (1936) p. 43; Russia.
1889. *Isotoma quadrioculata* Moniez (1440) p. 261; France; in wells.
1890. *Isotoma quadrioculata* Uzel (2050) p. 66; Czechoslovakia.
1891. *Isotoma quadrioculata* MacGillivray (1341) p. 274; North America.
1891. *Isotoma quadrioculata* Moniez (1447) p. 70; France.
1894. *Isotoma quadrioculata* Schött (1765) p. 74; Europe; Greenland.
1895. *Isotoma quadrioculata* Dalla Torre (498) p. 10; Systematics.
1895. *Isotoma quadrioculata* Reuter (1643) p. 28; Finland.
1896. *Isotoma quadrioculata* Lie-Pettersen (1281) p. 18; Norway.
1896. *Isotoma quadrioculata* MacGillivray (1345) p. 58; America.
1896. *Isotoma quadrioculata* Meinert (1399) p. 170; Greenland.
1896. *Isotoma quadrioculata* Schaffer (1735) p. 183; Germany.
1897. *Isotoma quadrioculata* Poppe and Schaffer (1607) p. 268; Germany.
1898. *Isotoma quadrioculata* Lie-Pettersen (1282) p. 13; Scandinavia.
1898. *Isotoma quadrioculata* Lubbock (1324) p. 619; Spitzbergen.
1898. *Isotoma quadrioculata* Scherbakow (1750) p. 58; Kiev.
1898. *Isotoma quadrioculata* Scherbakow (1751) p. 12; Kiev.
1899. *Isotoma quadrioculata* Carl (352) p. 310; Switzerland.
1899. *Isotoma quadrioculata* Wahlgren (2075) p. 337; Arctic.
1900. *Isotoma quadrioculata* Schaffer (1738) p. 248; Novaya Zemlya; Greenland; Spitzbergen.
1900. *Isotoma quadrioculata* Schaffer (1739) p. 255; Germany.
1900. *Isotoma quadrioculata* Skorikow (1833) p. 206; Spitzbergen.
1900. *Isotoma quadrioculata* Wahlgren (2076) p. 5; Bear I.
1900. *Isotoma quadrioculata* Wahlgren (2077) p. 367; Greenland; Jan Mayen I.
1901. *Isotoma 4-oculata* Absolon (12) p. 28; Czechoslovakia.
1901. *Isotoma quadrioculata* Carl (354) p. 261; Switzerland.
1901. *Isotoma quadrioculata* Börner (234) p. 45; Central Europe.
1901. *Isotoma quadrioculata* Krausbauer (1204) p. 68; Germany.
1902. *Isotoma quadrioculata* Becker (158) p. 27; Russia.
1902. *Isotoma quadrioculata* Krausbauer (1205) p. 42; Germany.
1902. *Isotoma quadrioculata* Schött (1772) p. 21; Boreal.
1902. *Isotoma quadrioculata* Skorikow (1835) p. 100, fig. 17; Spitzbergen.
1903. *Isotoma quadrioculata* Ågren (55) p. 143; South Sweden.
1903. *Isotoma quadrioculata* Börner (239) p. 142; Systematics.
1903. *Isotoma quadrioculata* Diem (688) p. 236; Ecology.
1903. *Isotoma quadrioculata* Guthrie (951) p. 65; Minnesota.
1904. *Isotoma quadrioculata* Ågren (56) p. 21; Lapland.
1904. *Isotoma quadrioculata* Axelson (79) p. 69; Norway.
1905. *Isotoma quadrioculata* Axelson (80) p. 791; Finland.
1905. *Isotoma* (*Folsomia*) *quadrioculata* Axelson (81) p. 29; Tvärminne, Finland.
1905. *Isotoma quadrioculata* Axelson (82) p. 12; Russia.
1905. *Isotoma quadrioculata* Evans (741) p. 199; Scotland.
1906. *Isotoma quadrioculata* Wahlgren (2080) p. 255; Lapland.
1906. *Isotoma quadrioculata* Wahlgren (2082) p. 222; Lapland.
1907. *Folsomia quadrioculata* Axelson (83) p. 129; Finland.
1907. *Folsomia quadrioculata* Axelson (84) p. 13; Nth. Finland.
1907. *Isotoma quadrioculata* Lie-Pettersen (1284) p. 60; Norway.
1908. *Isotoma quadrioculata* Bagnall (100) p. 82; Britain.
1909. *Folsomia quadrioculata* Axelson (84) p. 13; Kanin Peninsula.
1909. *Isotoma quadrioculata* Dow & Smith (692) p. 35; New Jersey.
1909. *Isotoma quadrioculata* Nielson (1498) p. 408; Greenland.
1910. *Folsomia quadrioculata* Bagnall (102) p. 500; Britain.
1910. *Folsomia quadrioculata* Collinge and Shoebotham (372) p. 110; England.

1911. *Folsomia quadrioculata* Axelson (1291) p. 12; Norway.
1912. *Folsomia quadrioculata* Axelson (1292) p. 111, Pl. IX, fig. 11; Add. descr.; Finland.
1912. *Isotoma quadrioculata* Schille (1756) p. 8; Galizien.
1913. *Folsomia quadrioculata* Carpenter (388) p. 7; Clare I., Ireland.
1916. *Folsomia quadrioculata* Bartholin (149) p. 184; Denmark.
1917. *Folsomia quadrioculata* Shoebotham (1823) p. 221; England.
1918. *Folsomia quadrioculata* Brown (296) p. 186; England.
1918. *Isotoma quadrioculata* Henriksen & Lundbeck (1044) p. 738; Greenland.
1919. *Folsomia quadrioculata* Axelson (1293) p. 6; Arctic Urals.
1919. *Folsomia quadrioculata* Brown (297) p. 64; England.
1919. *Folsomia quadrioculata* Folsom (791) p. 8, Pl. 5, figs. 42–47; Arctic.
1919. *Folsomia quadrioculata* Wahlgren (2089) p. 745; Sweden.
1920. *Folsomia quadrioculata* Stach (1859) p. 160; Poland; North and Mid Europe; North America.
1921. *Folsomia quadrioculata* Denis (607) p. 125; France.
1922. *Folsomia quadrioculata* Carpenter and Phillips (404) p. 18; Spitzbergen; Bear I.; Novaya Zemlya; Greenland; Ireland; North America; South America; Britain; Scandinavia; Finland; Germany; Switzerland.
1922. *Folsomia quadrioculata* Latzel (1250) p. 57; Austria.
1922. *Folsomia quadrioculata* Morris (1456) p. 288; Ecology.
1923. *Folsomia quadrioculata* Womersley (2147)) p. 33; S.W. England.
1924. *Folsomia quadrioculata* Handschin (981) p. 110; Switzerland.
1924. *Folsomia quadrioculata* Handschin (983) p. 85; Ecology; Switzerland.
1924. *Folsomia quadrioculata* Schött (1776) p. 10; Novaya Zemlya.
1924. *Folsomia quadrioculata* Womersley (2148) p. 169; S.W. England.
1925. *Folsomia quadrioculata* Denis (617) p. 210; Italy.
1926. *Folsomia quadrioculata* Handschin (990) p. 125; Algeria.
1926. *Folsomia quadrioculata* Handschin (995) p. 125; Subterranean.
1926. *Folsomia quadrioculata* Stirnimann (1907) p. 252; Ecology.
1926. *Folsomia quadrioculata* Womersley (2153) p. 219; S.W. England.
1927. *Folsomia quadrioculata* Carpenter (396) p. 198; Spitzbergen.
1927. *Folsomia quadrioculata* Denis (629) p. 192: Italy.
1927. *Folsomia quadrioculata* Denis (635) p. 132; Italy.
1927. *Folsomia quadrioculata* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Folsomia quadrioculata* Womersley (2154) p. 377; S.W. England.
1927. *Folsomia quadrioculata* Womersley (2155) p. 40; Savernake Forest, England.
1928. *Folsomia quadrioculata* Handschin (1003) p. 127; East Prussia.
1928. *Folsomia quadrioculata* Jackson (1121) p. 301; Britain.
1928. *Folsomia quadrioculata* Krausse (1206) p. 118; Ecology.
1928. *Folsomia quadrioculata* Remy (1624) p. 52; Greenland.
1928. *Folsomia quadrioculata* Remy (1625) p. 66; Greenland.
1928. *Folsomia quadrioculata* Summerhayes and Elton (1939) p. 208; Spitzbergen.
1928. *Folsomia quadrioculata* Womersley (2154) p. 377; S.W. England.
1929. *Folsomia quadrioculata* Edwards (715) p. 312; Ecology.
1929. *Folsomia quadrioculata* Handschin (1008) p. 58; Palaearctic, Nearctic Region.
1929. *Folsomia quadrioculata* Stach (1869) p. 287; North and Middle Europe; North America.
1930. *Folsomia quadrioculata* Buitendijk (334) p. 57; Holland.
1930. *Isotoma quadrioculata* Kel'shtein (1161) p. 78; Russia.
1930. *Folsomia quadrioculata* Womersley (2168) p. 177; Ireland.
1931. *Folsomia quadrioculata* Bonet (205) p. 380; Czechoslovakia, in caves.
1931. *Folsomia quadrioculata* Brown (310) p. 133; Lapland.
1931. *Folsomia quadrioculata* Denis (637) p. 10; Italian caves.
1931. *Folsomia quadrioculata* Denis (639) p. 214; Germany.
1931. *Folsomia quadrioculata* Lindroth (1286) p. 129; Iceland.
1931. *Folsomia quadrioculata* Schött (1780) p. 70; Scandinavia.
1932. *Folsomia quadrioculata* Brown (312) p. 332; Nth. Canada.
1932. *Folsomia quadrioculata* Krogerus (1210) p. 93; Finland.
1932. *Folsomia quadrioculata* Kseneman (1211) p. 14, fig. 13; Europe.
1933. *Folsomia quadrioculata* Denis (644) p. 211; Yugoslavia.
1933. *Folsomia quadrioculata* Schubert (1787) p. 184; Ecology.
1933. *Folsomia quadrioculata* Schubert (1789) p. 2; Germany.
1934. *Folsomia quadrioculata* Agrell (37) p. 222; Ecology; Sweden.
1934. *Folsomia quadrioculata* Davies (522) p. 120; Wales.
1934. *Folsomia quadrioculata* Davis (526) p. 100; Britain.
1934. *Folsomia quadrioculata* Durkop (707) p. 497; Arctic; Sweden; Germany.
1934. *Folsomia quadrioculata* Jorgensen (1145) p. 7–; Greenland.
1934. *Folsomia quadrioculata* Mills (1417) p. 48; Iowa.
1934. *Isotoma quadrioculata* Perrier (1576) p. 35; France.
1934. *Folsomia quadrioculata* Volz (2069) p. 170–; Ecology.
1935. *Folsomia quadrioculata* Axelson (1295) p. 139; Spitzbergen.
1935. *Folsomia quadrioculata* Axelson (1296) p. 380; Hopen I.
1935. *Folsomia quadrioculata* Denis (652) p. 330; Yugoslavia.
1935. *Folsomia quadrioculata* Durkop (708) p. 133; Germany.
1935. *Folsomia quadrioculata* Ford (809) p. 198–; Ecology; Britain.
1935. *Folsomia quadrioculata* Schubert (1790) p. 94; Europe.

1936. *Folsomia quadrioculata* Bornebusch (227) p. 39; Denmark.
1936. *Folsomia quadrioculata* Brown (313) p. 64; West Spitzbergen.
1936. *Folsomia quadrioculata* Brown (314) p. 613; Lapland.
1936. *Folsomia quadrioculata* Kseneman (1216) p. 212, fig. 12; Systematics.
1936. *Folsomia quadrioculata* Madsen (1367) p. 19; Greenland.
1936. *Folsomia* 4-*oculata* Nordberg (1500) p. 34–; Ecology.
1936. *Folsomia quadrioculata* Stammer (1900) p. 211; Schneeberghöhle (Czechoslovakia).
1936. *Folsomia quadrioculata* Womersley (2183) p. 320; New Zealand.
1937. *Folsomia quadrioculata* Brown (316) p. 517; W. Greenland.
1937. *Folsomia quadrioculata* Denis (663) p. 54; Italy, caves.
1937. *Folsomia quadrioculata* Drenowski (695) p. 2; Bulgaria.
1937. *Folsomia quadrioculata* Folsom (806) p. 24, Pl. 5, figs. 52–58; North and Middle Europe; Italy; Arctic; U.S.A.
1937. *Folsomia quadrioculata* Ford (811) p. 103–; Ecology.
1937. *Folsomia quadrioculata* Frenzel (828) p. 296; Ecology.
1937. *Folsomia quadrioculata* Hammer (966) p. 10; East Greenland.
1937. *Folsomia quadrioculata* Kseneman (1217) p. 470; Carpathians.
1937. *Folsomia quadrioculata* Schubert (1792) p. 126; Palaearctic; Nearctic.
1938. *Folsomia quadrioculata* Denis (665) p. 125; Italy.
1938. *Folsomia quadrioculata* Hammer (968) p. 17; East Greenland.
1938. *Folsomia quadrioculata* Kseneman (1219) p. 109; Spieglitzer snow mountains.
1938. *Folsomia quadrioculata* Kseneman (1220) p. 13; Palaearctic; Nearctic.
1938. *Folsomia quadrioculata* Strebel (1917) p. 123; Germany; Ecology.
1938. *Folsomia quadrioculata* Szent-Ivany (1944) p. 92; Hungary.
1939. *Folsomia quadrioculata* Mills (1422) p. 159; Nth. America.
1939. *Folsomia quadrioculata* Stach (1881) p. 398; Caves in Glatzer Schneebergen.
1939. *Folsomia quadrioculata* Yosii (2223) p. 355, fig. 5; Systematics; Japan.
1941. *Folsomia quadrioculata* Agrell (46) p. 19; Swedish Lapland.
1941. *Folsomia quadrioculata* Buitendijk (336) p. 33; Netherlands; Palearctic; Nearctic.
1941. *Folsomia quadrioculata* Salmon (1676) p. 316, figs. 154–158; New Zealand.
1941. *Folsomia quadrioculata* Tarsia in Curia (1955) p. 257; Italy.
1942. *Folsomia quadrioculata* Haarlov (954) p. 44; Greenland; Iceland.
1942. *Folsomia quadrioculata* Kos (1199) p. 117, figs. 1–5; Yugoslavian Alps.
1942. *Folsomia quadrioculata* Marlier (1375) p. 9; Belgium.
1943. *Folsomia quadrioculata* Agrell (47) p. 125; Sweden.
1943. *Folsomia quadrioculata* Gisin (853) p. 158; Switzerland.
1943. *Folsomia quadrioculata* Tarsia in Curia (1956) p. 53; Italy; caves.
1944. *Folsomia quadrioculata* Hammer (969) p. 61; North America; Greenland; Iceland; Jan Mayen I.; Bear I.; Spitzbergen; Lapland; Arctic Siberia; Finland; Europe.
1944. *Folsomia quadrioculata* Kos (1200) p. 5–; Yugoslavia.
1944. *Folsomia quadrioculata* Tuxen (2010) p. 175; Iceland.
1945. *Folsomia quadrioculata* Agrell (50) pp. 10, 11; Sweden; Finland; Norway; Habitats.
1947. *Folsomia quadrioculata* Stach (1886) p. 166, Pl. XVII; Poland; W. Ukraine; Distrib.
1948. *Folsomia quadrioculata* Gisin (867) p. 80; Switzerland.
1948. *Folsomia quadrioculata* Palmen (1546) p. 170; Ecology.
1948. *Folsomia quadrioculata* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Folsomia quadrioculata* Schaller (1742) p. 268; Germany; Ecology.
1949. *Folsomia quadrioculata* Strenzke (1922) p. 206; Germany; Ecology.
1950. *Folsomia quadrioculata* Delamare Deboutteville (570) pp. 47, 143; France.
1951. *Folsomia quadrioculata* Cassagnau and Delamare Deboutteville (593) p. 2; France.
1951. *Folsomia quadrioculata* Delamare Deboutteville and Cassagnau (593) p. 401; France.
1951. *Folsomia quadrioculata* Maynard (1393) p. 89, Pl. IX, fig. 165; New York.
1951. *Folsomia quadrioculata* Praport (1610) p. 142; Poland.
1951. *Folsomia* 4-*oculata Schaller* (1746) p. 463; Germany; Ecology.
1951. *Folsomia quadrioculata* Stach (1889) p. 72, figs. 22, 35; Poland.
1952. *Folsomia quadrioculata* Haarlov (956) p. 425; Denmark.
1952. *Folsomia quadrioculata* Hammer (971) p. 413; Soil; Greenland.
1952. *Folsomia quadrioculata* Macfadyen (1337) p. 94; Ecology of a fen, England.
1952. *Folsomia quadrioculata* Mihelcic (1406) p. 96; Ecology.
1953. *Folsomia quadrioculata* Franz (819) p. 456–; Gen. Economics.
1953. *Folsomia quadrioculata* Hammer (972) p. 47; North Canada; Alaska.
1953. *Folsomia quadrioculata* Hammer (973) p. 4; Ellesmere I., Canada.
1953. *Folsomia quadrioculata* Mills and Richards (1430) p. 54; North Canada.
1953. *Folsomia quadrioculata* Weidner (2108) p. 33; Central Europe.
1954. *Folsomia quadrioculata* Cassagnau (418) p. 622; France; Spain.
1954. *Folsomia quadrioculata* Hammer (974) p. 13; North Greenland.
1954. *Folsomia quadrioculata* Strenzke (1925) p. 52; Germany.
1954. *Folsomia quadrioculata* Travé (2000) p. 201; France.
1955. *Folsomia quadrioculata* Goto (918) p. 31; British Isles.
1955. *Folsomia quadrioculata* Goto (921) p. 267; Britain.
1955. *Folsomia quadrioculata* Haarlov (958) p. 175–, fig. 34; Ecology.
1955. *Folsomia quadrioculata* Kuhnelt (1223) p. 15, fig. 2-A (a); Ecology.
1955. *Folsomia quadrioculata* Stach (1893) p. 118, figs. 320–322; Poland; America.

1955. *Folsomia quadrioculata* Strenzke (1926) p. 32; North Europe.
1955. *Folsomia quadrioculata* Uchida (2034) p. 200; Japan.
1956. *Folsomia quadrioculata* Bockemuhl (193) p. 138; Spitzbergen.
1956. *Folsomia quadrioculata* Goto (926) p. 8; Outer Hebrides.
1956. *Folsomia quadrioculata* Loksa (1310) p. 380; Ecology.
1956. *Folsomia quadrioculata* Paclt (1540) p. 355; Europe.
1956. *Folsomia quadrioculata* Yosii (2235) p. 62, Pl. XXXV, fig. 205, Pl. XXXVI, fig. 206; Japan.
1957. *Folsomia quadrioculata* Bodvarsson (2252) p. 20; Iceland.
1957. *Folsomia quadrioculata* Gisin (900) p. 486, figs. 8 and 9; Europe.
1957. *Folsomia quadrioculata* Haarlov (2281) p. 10; Denmark; habitat.
1957. *Folsomia quadrioculata* Kuhnelt (1224) p. 87; Ecology.
1957. *Folsomia quadrioculata* Mayer (1390) p. 529, fig. 26; Biology.
1957. *Folsomia quadrioculata* Selga (1805) p. 114; Galicia.
1957. *Folsomia quadrioculata* Uchida (2041) p. 23; Japan.
1958. *Folsomia quadrioculata* Cassagnau (2260) p. 3379.
1958. *Folsomia quadrioculata* Christiansen (2264) p. 63; Lebanon.
1958. *Folsomia quadrioculata* Grindbergs (2277) p. 195; Latvia.
1958. *Folsomia quadrioculata* Holler-Land (2283) p. 110; Ecology.
1958. *Folsomia quadrioculata* Murphy (1475) p. 524; Algeria.
1958. *Folsomia quadrioculata* Nosek (1503) p. 357; Czechoslovakia.
1958. *Folsomia quadrioculata* von Torne (1993) p. 665; Austria.
1959. *Folsomia quadrioculata* Da Gama (2266) p. 17; Portugal.
1959. *Folsomia quadrioculata* Franz and Gunhold etc. (2369) p. 50–; Communities.
1959. *Folsomia* 4-*oculata* Haybach (2375) Tab. VIII; Ecology.
1959. *Folsomia quadrioculata* Müller (2309) p. 244; Ecology.
1959. *Folsomia quadrioculata* Paclt (2317) p. —; Czechoslovakia.
1959. *Folsomia quadrioculata* Palissa (2319) p. 278–; Ecology.
1959. *Folsomia* 4-*oculata* Poole (1604) p. 75–; Food of Collembola.
1959. *Folsomia quadrioculata* Stach (1896) p. 25; Poland.
1959. *Folsomia quadrioculata* Steiner (2343) p. 461; Spain.
1960. *Folsomia quadrioculata* Bodvarsson (2412) p. 174; Färoes.
1960. *Folsomia quadrioculata* Gisin (2271) p. 177, figs. 327–329; Europe.
1960. *Folsomia quadrioculata* Grindbergs (2373) p. 37; U.S.S.R.
1960. *Folsomia quadrioculata* Palissa (2319) p. 365; Systematics and Ecology.

Folsomia quadrioculata americana Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Folsomia quadrioculata americana* Stach (1886) p. 137; America.

Folsomia quadrioculata anophthalma Axelson, 1907

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1907. *Folsomia quadrioculata anophthalma* Axelson (83) p. 129; Finland.
1912. *Folsomia quadrioculata anophthalma* Axelson (1292) p. 112, Pl. IX, figs. 17, 18; Finland.
1924. *Folsomia quadrioculata anophthalma* Schött (1776) p. 11; Novaya Zemlya.
1928. *Folsomia quadrioculata anophthalma* Remy (1624) p. 52; Greenland.
1928. *Folsomia quadrioculata anophthalma* Remy (1625) p. 66; Greenland.
1931. *Folsomia quadrioculata anophthalma* Lindroth (1286) p. 129; Iceland.
1935. *Isotoma quadrioculata anophthalma* Axelson (1296) p. 380; Arctic.
1936. *Folsomia quadrioculata anophthalma* Kseneman (1216) p. 212, fig. 13; Systematics.
1937. *Folsomia quadrioculata anophthalma* Kseneman (1217) p. 470; Carpathians.
1938. *Folsomia quadrioculata anophthalma* Hammer (968) p. 18; East Greenland.
1939. *Folsomia quadrioculata anophthalma* Agrell (42) p. 4; Finland.
1943. *Folsomia quadrioculata anophthalma* Gisin (853) p. 158; Switzerland.
1944. *Folsomia quadrioculata anophthalma* Tuxen (2010) p. 181; Iceland.
1947. *Folsomia quadrioculata anophthalma* Stach (1886) p. 171; Poland; Vienna.
1957. *Folsomia quadrioculata anophthalma* Bodvarsson (2252) p. 21–; Iceland.
1960. *Folsomia quadrioculata anophthalma* Grindbergs (2373) p. 37; U.S.S.R.

Folsomia quadrioculata bipunctata Agrell, 1939

1939. *Folsomia quadrioculata* 2-*punctata* Agrell (42) fig. 2-B; Sweden.
1941. *Folsomia quadrioculata* 2-*punctata* Agrell (46) p. 19; Swedish Lapland.

Folsomia quadrioculata gracilis Latzel, 1922

1922. *Folsomia quadrioculata gracilis* Latzel (1250) p. 57; Austrian Alps.
1948. *Folsomia gracilis* Franz and Beier (821) p. 452–; Ecology; Austria.

Folsomia quadrioculata pallida Axelson, 1905

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1905. *Isotoma quadrioculata* Tullberg var. *pallida* Axelson (80) p. 791; Finland.
1905. *Folsomia quadrioculata pallida* Axelson (81) p. 29; Tvarminne, Finland.
1907. *Folsomia quadrioculata pallida* Axelson (83) p. 129; Finland.
1912. *Folsomia quadrioculata pallida* Axelson (1292) p. 112; Finland.
1924. *Folsomia quadrioculata pallida* Schött (1776) p. 11; Novaya Zemlya.
1936. *Folsomia quadrioculata pallida* Kseneman (1216) p. 212; Systematics.
1937. *Folsomia quadrioculata pallida* Frenzel (828) p. 296; Ecology.
1938. *Folsomia quadrioculata pallida* Kseneman (1219) p. 109; Spieglitzer snow mountains.
1939. *Folsomia quadrioculata pallida* Agrell (42) p. 3; Finland.
1957. *Folsomia quadrioculata pallida* Bodvarsson (2252) p. 21–; Iceland.
1960. *Folsomia quadrioculata pallida* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia quadrioculata quadripunctata Agrell, 1939

1939. *Folsomia quadrioculata 4-punctata* Agrell (42) p. 2, figs. 2-A and 3-A; Scandinavia.

Folsomia regularis Hammer, 1953

TYPE: Author's Pers. Colln., Fredensborg, Denmark.

1953. *Folsomia regularis* Hammer (973) p. 4, figs. 1–6; Ellesmere I., Canada.
1954. *Folsomia regularis* Hammer (974) p. 12; North Greenland.
1960. *Folsomia regularis* Gisin (2271) p. 180; Canada; Greenland.

Folsomia salmoni Stach, 1947

1941. *Folsomia fimetarioides* (Axelson) Salmon (1676) p. 316, Pl. 49, figs. 152–153; New Zealand.
1947. *Folsomia salmoni* Stach (1886) p. 128; New Zealand.

Folsomia sensibilis Kseneman, 1936

1936. *Folsomia sensibilis* Kseneman (1214) p. 109; Central Europe.
1936. *Folsomia sensibilis* Kseneman (1216) p. 211, figs. 7 and 8; Systematics.
1937. *Folsomia sensibilis* Kseneman (1217) p. 470; Carpathians.
1938. *Folsomia sensibilis* Kseneman (1219) p. 109; Spieglitzer snow mountains.
1938. *Folsomia sensibilis* Kseneman (1220) p. 13; Czechoslovakia.
1944. *Folsomia sensibilis* Gisin (855) p. 25; Switzerland.
1947. *Folsomia sensibilis* Stach (1886) p. 130; Slovakia; Austria.
1953. *Folsomia sensibilis* Gisin (885) p. 233; Jan Mayen I.
1954. *Folsomia sensibilis* Cassagnau (418) p. 622; Pyrenees.
1954. *Folsomia sensibilis* Macfadyen (1339) p. 291; Jan Mayen I.
1955. *Folsomia sensibilis* Gisin (890) p. 145; Switzerland.
1955. *Folsomia sensibilis* Stach (1893) p. 116; Add. descr.
1957. *Folsomia sensibilis* Gisin (898) p. 110–; Switzerland.
1958. *Folsomia sensibilis* von Torne (1993) p. 666; Austria.
1960. *Folsomia sensibilis* Gisin (2271) p. 183; Europe; Jan Mayen I.

Folsomia setosa Gisin, 1953

TYPE: Mus. Hist. Natur., Geneva.

1953. *Folsomia setosa* Gisin (886) p. 61, fig. 3; Switzerland.
1960. *Folsomia setosa* Gisin (2271) p. 175, figs. 323 and 324; Switzerland.

Folsomia sexoculata (Tullberg) 1871

1871. *Isotoma sexoculata* Tullberg (2002) p. 152; Sweden.
1872. *Isotoma sexoculata* Tullberg (2003) p. 48; Sweden.
1894. *Isotoma sexoculata* Schött (1765) p. 74, Pl. VI, figs. 38, 39; Sweden.
1896. *Isotoma sexoculata* Schäffer (1735) p. 183, fig. 72; Germany.
1896. *Isotoma sexoculata* Lie-Pettersen (1281) p. 18; Norway.
1900. *Isotoma sexoculata* Wahlgren (2077) p. 367; Jan Mayen I.; Greenland.
1904. *Isotoma sexoculata* Carpenter and Evans (403) p. 216, Pl. IV, figs. 1–4; Britain.
1905. *Isotoma (Folsomia) sexoculata* Axelson (81) p. 29; Finland.
1906. *Isotoma sexoculata* Wahlgren (2080) p. 255; Sweden.
1907. *Folsomia sexoculata* Axelson (83) p. 129; Finland.
1907. *Isotoma sexoculata* Lie-Pettersen (1284) p. 61; Norway.
1911. *Folsomia sexoculata* Axelson (1291) p. 14; Norway.
1912. *Folsomia sexoculata* Axelson (1292) p. 109; Finland.
1916. *Folsomia sexoculata* Bartholin (149) p. 168; Finland.
1920. *Folsomia sexoculata* Wahlgren (2090) p. 5, Eurasia; North America.
1922. *Folsomia sexoculata* Carpenter and Phillips (404) p. 14; Spitzbergen; Greenland; Jan Mayen I.; North Europe; Ireland; Great Britain.
1924. *Folsomia sexoculata* Handschin (981) p. 110; Switzerland.
1924. *Folsomia sexoculata* Handschin (983) p. 85; Switzerland.
1926. *Folsomia sexoculata* Handschin (988) p. 28, fig. 20; Biology.
1927. *Folsomia sexoculata* Carpenter (396) p. 198; Spitzbergen.
1928. *Folsomia sexoculata* Handschin (1003) p. 127; East Prussia.
1928. *Folsomia sexoculata* Kreis (1207) p. 276; Systematics and Biology.
1928. *Isotoma sexoculata* Remy (1625) p. 65; Greenland.
1928. *Folsomia sexoculata* Summerhayes and Elton (1939) p. 208–; Spitzbergen.
1929. *Folsomia sexoculata* Handschin (1008) p. 51, fig. 99; Boreoalpine; Germany.
1932. *Folsomia 6-oculata* Durkop (706) p. 235; Germany.
1933. *Folsomia sexoculata* Schubert (1787) p. 184; Ecology.
1933. *Isotoma sexoculata* Turk (2007) p. 93; Britain.
1934. *Folsomia sexoculata* Durkop (707) p. 496; Scandinavia; Germany.
1934. *Isotoma sexoculata* Jorgensen (1145) p. 7; Greenland.
1934. *Folsomia sexoculata* Lack (1229) p. 602; Greenland.
1934. *Isotoma sexoculata* Perrier (1576) p. 35; France.
1936. *Folsomia sexoculata* Kseneman (1216) p. 212; Systematics.
1937. *Folsomia sexoculata* Folsom (806) p. 23, Pl. 5, figs. 50, 51; Scandinavia; Switzerland; Ireland; Britain; Germany; Spitzbergen; Greenland.
1937. *Folsomia sexoculata* Frenzel (828) p. 296; Ecology.
1937. *Folsomia sexoculata* Hammer (966) p. 10; East Greenland.
1937. *Folsomia sexoculata* Schubert (1792) p. 126; Germany.
1938. *Folsomia sexoculata* Hammer (968) p. 17; East Greenland.
1940. *Folsomia sexoculata* Bagnall (121) p. 99; Britain.
1942. *Folsomia sexoculata* Marlier (1375) p. 9; Belgium.
1943. *Folsomia sexoculata* Agrell (47) p. 125; Sweden.
1943. *Folsomia sexoculata* Strebel (1919) p. 117; Germany.
1944. *Folsomia sexoculata* Hammer (969) p. 61; Greenland; Jan Mayen I.; Bear I.; Spitzbergen; Finland; Europe.
1947. *Folaomia sexoculata* Stach (1876) p. 139; Scandinavia; Finland; Denmark; North Germany; Greenland; Jan Mayen I.; Svalbard.

1949. *Folsomia sexoculata* Strenzke (1922) p. 206; Germany.
1950. *Folsomia sexoculata* Kseneman (1221) p. 1; Scandinavia; North Germany; East Greenland; Spitzbergen.
1951. *Folsomia sexoculata* Praport (1610) p. 142; Poland.
1952. *Folsomia sexoculata* Mihelcic (1406) p. 96; Ecology.
1952. *Folsomia sexoculata* Paclt (1537) p. 277; Britain.
1953. *Folsomia sexoculata* Gisin (885) p. 232; Jan Mayen I.
1953. *Folsomia sexoculata* Hammer (972) p. 47; North Canada; Alaska.
1954. *Folsomia sexoculata* Macfadyen (1339) p. 290; Jan Mayen I.
1954. *Folsomia sexoculata* Strenzke (1925) p. 51; Germany.
1955. *Folsomia sexoculata* Pistor (1594) p. 513–; Physiology.
1955. *Folsomia sexoculata* Pistor and Schaller (1595) p. 232; Morphology.
1955. *Folsomia sexoculata* Strenzke (1926) p. 31, fig. 11; Arctic; Europe.
1958. *Folsomia sexoculata* Grindbergs (2277) p. 195; Latvia.
1958. *Folsomia sexoculata* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1960. *Folsomia sexoculata* Bodvarsson (2412) p. 174; Färoes.
1960. *Folsomia sexoculata* Gisin (2271) p. 176; Arctic; Europe.
1960. *Folsomia sexoculata* Grindbergs (2373) p. 37; U.S.S.R.

Folsomia sexoculata alpigena Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Folsomia sexoculata alpigena* Stach (1886) p. 139; Swiss Alps.
1950. *Folsomia sexoculata alpigena* Kseneman (1221) p. 1; Swiss Alps.

Folsomia sexoculata britannica Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Folsomia sexoculata britannica* Stach (1886) p. 139; British Isles.
1950. *Folsomia sexoculata britannica* Kseneman (1221) p. 1; British Isles.

Folsomia sexoculata iberica Steiner, 1958

1958. *Folsomia sexoculata iberica* Steiner (2342) p. 84, fig. 10; North Spain.

Folsomia sexoculata pyrenaea Cassagnau, 1954

TYPE: Author's Colln., Univ. Toulouse, France.
1954. *Folsomia sexoculata pyrenaea* Cassagnau (418) p. 621, fig. 6; Pyrenees.
1959. *Folsomia sexoculata pyrenaea* Da Gama (2266) p. 17; Portugal.

Folsomia similis Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Folsomia similis* Bagnall (118) p. 57; Britain.
1947. *Folsomia similis* Stach (1886) p. 148, Pl. XVI, fig. 7; Poland.
1949. *Folsomia similis* Bagnall (130) p. 60; Britain.
1949. *Folsomia similis* Gisin (872) p. 403; Switzerland.
1955. *Folsomia similis* Gisin (891) p. 145; Switzerland.
1955. *Folsomia similis* Stach (1893) p. 117, fig. 317; Poland; England.
1960. *Folsomia similis* Gisin (2271) p. 180, fig. 332; Europe.

Folsomia spinosa Kseneman, 1936

1936. *Folsomia spinosa* Kseneman (1214) p. 105, fig. 6; Central Europe.
1936. *Folsomia spinosa* Kseneman (1216) p. 211, figs. 1–6; Systematics.
1943. *Folsomia spinosa* Gisin (853) p. 159; Switzerland.
1944. *Folsomia spinosa* Gisin (854) p. 49; Czechoslovakia; Switzerland.
1944. *Folsomia spinosa* Gisin (855) p. 23; Switzerland.
1947. *Folsomia spinosa* Stach (1886) pp. 129, 153; Bohemia; Switzerland.
1950. *Folsomia spinosa* Delamare Deboutteville (568) p. 43; France.
1950. *Folsomia spinosa* Delamare Deboutteville (570) p. 238; France.
1951. *Folsomia spinosa* Delamare Deboutteville and Gisin (597) p. 135; Italy.
1956. *Folsomia spinosa* Bockemuhl (193) p. 138; Spitzbergen.
1958. *Folsomia spinosa* Holler-Land (2283) p. 110; Ecology.
1959. *Folsomia spinosa* Holler-Land (2284) p. 426; Germany; Ecology.
1960. *Folsomia spinosa* Gisin (2271) p. 181, fig. 334; France; Germany; Crimea.
1960. *Folsomia spinosa* Grindbergs (2373) p. 38; U.S.S.R.

Folsomia sylvia Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Folsomia sylvia* Wray (2210) p. 148, fig. 2 O-P; p. 146; Puerto Rico.

Folsomia thalassophila Bagnall, 1940

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1940. *Folsomia thallassophila* Bagnall (121) p. 98; Britain.
1947. *Folsomia thallassophila* Stach (1886) p. 140; Scotland; Ireland.
1950. *Folsomia thallassophila* Kseneman (1221) p. 1; Scotland; Ireland.
1955. *Folsomia thallassophila* Strenzke (1926) p. 32; Scotland; Ireland.
1960. *Folsomia thallassophila* Gisin (2271) p. 176; Scotland; Ireland.

Folsomia uenoea Uchida, 1943

1943. *Folsomia uenoea* Uchida (2020) p. 14, Pl. III, C-H; Japan.
1957. *Folsomia uenoea* Uchida (2041) p. 23; Japan.

Genus: ARLEA Womersley, 1939 (2190) p. 319.
= *Falcisotomina* Stach, 1947 (1886).
Type species fixed: *A. lucifuga* (Arlé) by Womersley, 1939 (2190) p. 319.

Arlea lucifuga (Arlé) 1939

1939. *Isotomina lucifuga* Arlé (62) p. 26, figs. 5–9; Rio de Janeiro.
1939. *Arlea lucifuga* Womersley (2190) p. 319; Taxonomy.

Genus: FOLSOMINA Denis, 1931 (638) p. 128.
= *Denisia* Folsom, 1932 (801) p. 61.
Type species fixed: *F. onychiurina* Denis, 1931 (638) p. 128.

Folsomina falcata (Folsom) 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Denisia falcata* Folsom (801) p. 61, Pl. 5, fig. 57, Pl. 6, figs. 58–62; Honolulu.
1948. *Denisia falcata* Zimmerman (2237) p. 55, fig. 20 a-f; Hawaii.

Folsomina onychiurina Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Folsomina onychiurina* Denis (638) p. 128, figs. 106–109; Costa Rica.

1933. *Folsomina onychiurina* Denis (645) p. 237; Costa Rica; Add. descr.
1934. *Folsomina onychiurina* Mills (1417) p. 49, figs. 87, 88; Iowa.
1934. *Folsomina onychiurina* Womersley (2178) p. 91, fig. 2 c-h; Australia.
1939. *Folsomina onychiurina* Arlé (64) p. 125; Costa Rica.
1939. *Folsomina onychiurina* Womersley (2190) p. 146, Pl. II, fig. 52-c; W. Australia.
1942. *Folsomina onychiurina* Brimley (276) p. 4; North Carolina.
1942. *Folsomina onychiurina* Den. Mills (1423) p. 4; North Carolina.
1948. *Folsomina onychiurina* Salmon (1687) p. 294, figs. 12–13; Three Kings Is., New Zealand.
1950. *Folsomina onychiurina* Delamare Deboutteville (570) p. 53–; Ivory Coast.
1951. *Folsomina onychiurina* Delamare Deboutteville (577) p. 271; Systematics.
1951. *Folsomina onychiurina* Salmon (1694) p. 131; Singapore I.
1954. *Folsomina onychiurina* Bellinger (174) p. 21; Connecticut.
1960. *Folsomia onychiurina* Gisin (2271) p. 181; Central and North America; Australia; New Zealand.

Genus: GUTHRIELLA Börner, 1906 (243) p. 172.
Type species fixed: *G. muskegis* (Guthrie), by Börner, 1906 (243) p. 172.

Guthriella antiqua Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Guthriella antiqua* Folsom (806) p. 34, Pl. 9, figs. 89–99; Missouri.
1950. *Guthriella antiqua* Wray (2216) p. 61; Utah.
1956. *Guthriella antiqua* Knowlton (1185) p. 96; in celery, Utah.

Guthriella boneti Yosii, 1962

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1962. *Guthriella boneti* Yosii (2572) p. 23, fig. 18; Mexico.

Guthriella muskegis (Guthrie) 1903

1903. *Isotoma muskegis* Guthrie (951) p. 72, Pl. XIII; Minnesota.
1906. *Guthriella muskegis* Börner (243) p. 172; Systematics.
1937. *Guthriella muskegis* Folsom (806) p. 36, Pl. 11, figs. 107–112, Pl. 12, figs. 113–119; U.S.A.

Guthriella vetusta Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Guthriella vetusta* Folsom (806) Pl. 10, figs. 100–106; California.

Genus: APPENDISOTOMA Stach, 1947 (1886) p. 13.
= *Physurotoma* Bagnall, 1948 (126) p. 538.
= *Vesiculotoma* Bagnall, 1948 (126) p. 537.
Type species fixed: *A. vesiculata* (Folsom), by Stach, 1947 (1886) p. 13.

Appendisotoma bulbosa (Folsom) 1934, **in litt.**

COTYPE: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Proisotoma bulbosa* Mills (1417) p. 52, fig. 92; Iowa.
1937. *Proisotoma* (*Proisotoma*) *bulbosa* Folsom (806) p. 58, Pl. 22, figs. 238-244; Maine, U.S.A.
1943. *Proisotoma bulbosa* Strebel (1919) p. 119; Germany.
1947. *Proisotoma bulbosa* Stach (1886) p. 187. = *Appendisotoma.*

Appendisotoma bulbosa europaea von Torne, 1955

1955. *Appendisotoma bulbosa europaea* von Torne (1989) p. 158, fig. 3; Austria.
1958. *Appendisotoma bulbosa europaea* von Torne (1993) pp. 666, 675; Austria.
1960. *Appendisotoma bulbosa europaea* Gisin (2271) p. 186, fig. 28; Austria; Maine.

Appendisotoma dimorpha Denis, 1922

1922. *Archisotoma dimorpha* Denis (610) p. 135, fig 1; France.
1924. *Archisotoma dimorpha* Denis (614) p. 291; France.

Appendisotoma vesiculata (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma* (*Proisotoma*) *vesiculata* Folsom (806) p. 57, Pl. 21, figs. 229–232, Pl. 22, figs. 233–237; Ontario.
1947. *Appendisotoma vesiculata* Stach (1886) p. 13; Taxonomy.

Genus: HYDROISOTOMA Stach, 1947 (1886) p. 15.
= *Chisotoma* Bagnall, 1948 (126) p. 533.
= *Eosotoma* Bagnall, 1948 (126) p. 534.
Type species fixed: *H. schaefferi* (Krausbauer), by Stach, 1947 (1886) p. 15.

Hydroisotoma schaefferi (Krausbauer) 1898

1898. *Isotoma schäfferi* Krausbauer (1203) p. 495; Germany.
1900. *Isotoma schäfferi* Schäffer (1739) p. 260, figs. 25–28; Germany.
1901. *Isotoma schäfferi* Börner (234) p. 40; Germany.
1901. *Isotoma schäfferi* Carl (354) p. 258; Switzerland.
1901. *Isotoma schäfferi* Krausbauer (1204) p. 70, Pl. II, figs. 64–70; Germany.
1905. *Isotoma schäfferi* Carl and Lebedinsky (358) p. 565, fig. 4; Crimea.
1909. *Proisotoma* (*Ballistrura*) *schäfferi* Heymons (1057) p. 1–; Germany.
1921. *Isotoma rivularis* Latzel (1250) p. 49–; Austrian Alps.
1922. *Archisotoma dimorpha* Denis (610) p. 135; France.
1929. *Proisotoma schäfferi aculeata* Stach (1869) p. 269–; East Europe; Poland.
1937. *Proisotoma* (*Proisotoma*) *schäfferi* Folsom (806) p. 46, Pl. 16, figs. 169, 170, Pl. 17, figs. 171–176; U.S.A.
1947. *Hydroisotoma schäfferi* Stach (1886) p. 250, Pl. XXIX; Poland; Caucasus; W. Ukraine.
1951. *Hydroisotoma schaefferi* Stach (1889) p. 76, fig. 38; Europe; America.
1955. *Hydroisotoma schaefferi* Stach (1893) p. 125, figs. 350–357; Europe; America.
1958. *Hydroisotoma schaefferi* Nosek (1503) p. 357–; Czechoslovakia.
1959. *Hydroisotoma schaefferi* Stach (1896) p. 28; Poland.
1960. *Isotomurus* (*Hydroisotoma*) *schaefferi* Grindbergs (2373) p. 45; U.S.S.R.

Hydroisotoma schaefferi aculeata (Stach) 1929

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1929. *Proisotoma schäfferi aculeata* Stach (1869) p. 289; Hungary.

Genus: ARCHISOTOMA Axelson, 1912 (1292) p. 100, p. 118.

Type species fixed: *A. besselsi* (Packard), by Stach, 1947 (1886) p. 15.

Archisotoma besselsi (Packard) 1877

1877. *Isotoma besselsii* Packard (1524) p. 52; Arctic.
1889. *Isotoma pulchella* Moniez (1444) p. 431, figs. 1–4; France; cf. Denis (618) p. 363.
1891. *Isotoma besselsii* MacGillivray (1341) p. 273; North America.
1895. *Isotoma besselsii* Dalla Torre (498) p. 10; Systematics.
1896. *Isotoma besselsii* MacGillivray (1345) p. 52; America.
1898. *Isotoma spitzbergensis* Lubbock (1324) p. 616, figs. 1–7; Spitzbergen; cf. Carpenter (396) p. 197.
1899. *Isotoma spitzbergenensis* Carpenter and Evans (402) p. 252; Edinburgh district.
1899. *Isotoma arctica* Scherbakow (1752) p. 5; Spitzbergen; cf. Folsom (790) p. 277.
1899. *Isotoma arctica* Scherbakow (1754) p. 47; Spitzbergen; cf. Folsom (790) p. 277.
1900. *Isotoma besselsii* Schäffer (1738) p. 248; Arctic.
1900. *Isotoma spitzbergenensis* Skorikow (1833) p. 193; Spitzbergen.
1900. *Isotoma janmayensis* Wahlgren (2077) p. 354; Greenland; Jan Mayen I.; cf. Folsom (790) p. 277.
1901. *Isotoma besselsii* Folsom (779) p. 162; Holarctic.
1903. *Isotoma besselsii* Davenport (500) p. 6; U.S.A.
1905. *Isotoma besselsii* Axelson (81) p. 30; Finland.
1906. *Isotoma besselsii* Wahlgren (2079) p. 16; Antarctic.
1907. *Proisotoma besselsi* Axelson (83) p. 73; Finland.
1909. *Isotoma besselsii* Nielsen (1498) p. 377; Greenland.
1910. *Proisotoma besselsi* Bagnall (102) p. 501; England.
1911. *Proisotoma besselsi* Axelson (1291) p. 14; Norway.
1912. *Archisotoma besselsi* Axelson (1292) p. 119, Pl. IX, fig. 35, Pl. X, figs. 1–5; Diagnosis; Finland.
1912. *Isotoma besselsii* Bacon (89) p. 841; California.
1912. *Isotoma besselsi* Enderlein (725) p. 127; Tierra del Fuego.
1912. *Isotoma klovstadi* Enderlein (725) p. 127; Tierra del Fuego.
1914. *Isotoma besselsii* Bacon (94) p. 148, Pl. 1, fig. 10; California.
1918. *Archisotoma (Proisotoma) besselsi* Brown (296) p. 186; England.
1918. *Isotoma besselsi* Henricksen and Lundbeck (1044) p. 739; Greenland.
1919. *Isotoma (Archisotoma) besselsi* Folsom (790) p. 277, Pl. 21, figs. 35–43; Greenland.
1921. *Archisotoma besselsi* Brown (299) p. 19–; England.
1921. *Archisotoma besselsi* Brown (301) p. 143; Isle of Wight.
1922. *Archisotoma beselsi* Carpenter and Philips (404) pp. 14, 18; Spitzbergen; Greenland; Jan Mayen I.; Scandinavia; Finland; Great Britain; Ireland; North and South America; Antarctic.
1923. *Archisotoma pulchella* Denis (611) p. 221, figs. 13–14; Systematics.
1923. *Archisotoma besselsi* Womersley (2147) p. 32; S.W. England.
1924. *Archisotoma besselsi* Womersley (2148) p. 169; S.W. England.
1925. *Archisotoma besselsi* Brown (304) p. 159; Britain; littoral.
1925. *Archisotoma besselsi* Denis (618) p. 562, fig. IV; History and remarks, France.
1925. *Archisotoma besselsi* Willem (2137) p. 617, figs. 1 and 2; Biology.
1925. *Archisotoma besselsi* Womersley (2148) p. 169; S.W. England.
1926. *Archisotoma besselsi* Denis (622) p. 16; Sexual Dimorphism.
1926. *Archisotoma besselsi* Handschin (988) p. 33, figs. 22, 31; Biology.
1927. *Archisotoma beselsi* Carpenter (396) p. 197; Spitzbergen.
1928. *Archisotoma besselsi* Denis (631) pp. 3–5; Discussion.
1928. *Archisotoma besselsi* Remy (1625) p. 65; Greenland.
1928. *Archisotoma besselsi* Summerhayes and Elton (1939) p. 248–; Spitzbergen.
1929. *Archisotoma besselsi* Handschin (1008) p. 59, figs. 102–104; Baltics; North America; Norway; England; France; Scotland; Tierra del Fuego; U.S.A.; Greenland.
1930. *Archosotoma besselsi* Womersley (2168) p. 177; Ireland.
1932. *Archisotoma besselsi* Brown (312) p. 333; North Canada.
1932. *Archisotoma besselsi* Durkop (706) p. 235; Germany.
1933. *Archisotoma besselsi* Turk (2007) p. 94; Britain.
1934. *Archisotoma besselsi* Durkop (707) p. 497, fig. 1; Europe; America.
1934. *Archisotoma besselsi* Durkop (708) p. 133; Germany.
1934. *Archisotoma besselsi* Jorgensen (1145) p. 7–; Greenland.
1936. *Archisotoma besselsi* Madsen (1367) p. 19; Greenland.
1937. *Archisotoma besselsi* Brown (316) p. 517; W. Greenland.
1937. *Archisotoma besselsi* Folsom (806) p. 66, Pl. 14, figs. 147–149, Pl. 15, figs. 150–155; Distribution.
1938. *Archisotoma besselsi* Hammer (968) p. 20; East Greenland.
1939. *Archisotoma besselsi* Bagnall (119) p. 98; Add. descr.; Britain.
1939. *Archisotoma besselsi* Mills (1422) p. 159; North America.
1941. *Archisotoma besselsi* Buitendijk (336) p. 34, fig. 7; Netherlands.
1943. *Archisotoma besselsi* Strenzke (1923) p. 84; Germany.
1944. *Archisotoma besselsi* Hammer (969) p. 61; Nth. America; Greenland; Jan Mayen I.; Spitzbergen; Finland; Europe.
1947. *Archisotoma besselsi* Stach (1886) p. 259; Coasts of Arctic Islands and North and Central Europe.
1951. *Archisotoma besselsi* Maynard (1393) p. 120, Pl. XII, 216–219; New York.
1951. *Archisotoma besselsi* Stopford (1909) pp. 111, 112; Dee Estuary, Scotland.
1953. *Archisotoma besselsi* Delamare Deboutteville (584) p. 307, figs. 7–8; Greenland; France; Spain.
1953. *Archisotoma besselsi* Gisin (885) p. 234; Jan Mayen I.
1953. *Archisotoma besselsi* Hammer (972) p. 53; Nth. Canada; Alaska.
1953. *Archisotoma besselsi* Hammer (973) p. 9; Ellesmere I.; Canada.
1953. *Archisotoma besselsi* Schaller (1748) p. 185; Reproduction.
1953. *Archisotoma besselsi* Schaller (1749) p. 265; Reproduction.

1954. *Archisotoma besselsi* Delamare Deboutteville (589) pp. 435, 451; France; Spain.
1954. *Archisotoma besselsi* Delamare Deboutteville (590) p. 125; Spain.
1954. *Archisotoma besselsi* Macfadyen (1339) p. 291; Jan Mayen I.
1954. *Archisotoma besselsi* Strenzke (1925) p. 54, figs. 14–18; Germany.
1955. *Archisotoma besselsi* Strenzke (1926) p. 37, fig. 15; Canada; Greenland; Spain; Jan Mayen I.; France.
1956. *Archisotoma besselsi* Brinck, Dahl and Wieser (277) p. 125; Eastern Scania.
1957. *Archisotoma besselsi* Bodvarsson (2252) p. 30; Iceland.
1957. *Archisotoma besselsi* Mayer (1390) p. 529, fig. 29; Sexual Dimorphism.
1959. *Archisotoma besselsi* Da Gama (2266) p. 19; Portugal.
1960. *Archisotoma besselsi* Gisin (2271) p. 187, figs. 39, 343, 344; Europe; Arctic.
1960. *Archisotoma besselsi* Grindbergs (2373) p. 39; U.S.S.R.

Archisotoma brucei (Carpenter) 1907

LECTOTYPE AND SYNTYPES: Manchester Mus., England.
1907. *Isotoma Brucei* Carpenter (379) p. 474, Pl. I, figs. 1–8; South Orkney Is.
1909. *Isotoma brucei* Enderlein (724) p. 461; South Orkney Is.
1913. *Isotoma brucei* Ivanoff (1113) p. 203; Antarctic.
1936. *Archisotoma brucei* Womersley (2183) p. 321; New Zealand.
1941. *Archisotoma brucei* Salmon (1676) p. 323, figs. 185–186; New Zealand.
1943. *Archisotoma brucei* Salmon (1680) p. 381; New Zealand.
1947. *Archisotoma brucei* Stach (1886) p. 260; South Orkney Is.
1948. *Archisotoma brucei* Delamare Deboutteville (554) p. 40; Madagascar.
1949. *Archisotoma brucei* Salmon (1689) p. 27, figs. 84–87; Auckland Is.
1953. *Archisotoma brucei* Delamare Deboutteville (584) p. 305, fig. 6-a; Mediterranean.

Archisotoma interstitialis Delamare Deboutteville, 1953

TYPE: Author's Colln., Univ. Nancy, France.
1953. *Archisotoma interstitialis* Delamare Deboutteville (584) p. 309, fig. 9; France; Italy; Tunisia; Algiers.
1953. *Archisotoma interstitialis* Delamare Deboutteville (586) p. 160; Tunisia.
1953. *Archisotoma interstitialis* Delamare Deboutteville (587) p. 478–; Ecology; Algeria.
1954. *Archisotoma interstitialis* Delamare Deboutteville (589) pp. 435, 451; France.
1955. *Archisotoma interstitialis* Strenzke (1926) p. 41, fig. 16; France; Italy; Tunisia; Algeria.
1960. *Archisotoma interstitialis* Gisin (2271) p. 187, fig. 345; France; Italy; Tunisia; Algeria.
1960. *Archisotoma intertialis* Selga (2333) p. 4; *lapsus calami;* Spain.

Archisotoma megalops Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Archisotoma megalops* Bagnall (119) p. 99; Britain.
1939. *Archisotoma megalops* Bagnall (120) p. 199; Britain.
1947. *Archisotoma megalops* Stach (1886) p. 260; England; Scotland; Finland.
1955. *Archisotoma megalops* Strenzke (1926) p. 39; England; Scotland; Finland.
1960. *Archisotoma megalops* Gisin (2271) p. 186; Britain.

Archisotoma nigricans Bagnall, 1939

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1939. *Archisotoma nigricans* Bagnall (120) p. 198; Britain.
1947. *Archisotoma nigricans* Stach (1886) p. 259; England.
1955. *Archisotoma nigricans* Strenzke (1926) p. 41; England.
1960. *Archisotoma nigricans* Gisin (2271) p. 186; England.

Archisotoma pauliana Delamare Deboutteville, 1953

PARATYPE: Brit. Mus. Nat. Hist., London.
1953. *Archisotoma pauliana* Delamare Deboutteville (584) p. 303, fig. 5; Madagascar.

Archisotoma pulchella (Moniez) 1890

1890. *Isotoma pulchella* Moniez (1444) p. 431, fig. 1; France.
1923. *Archisotoma pulchella* Denis (611) p. 221, figs. 13, 14; France.
1925. *Archisotoma pulchella* Denis (618) p. 562; = *A. besselsi.*
1953. *Archisotoma pulchella* Delamare Deboutteville (584) p. 302, fig. 4; Germany; France.
1954. *Archisotoma pulchella* Strenzke (1925) p. 55, figs. 19–23; Germany.
1955. *Archisotoma pulchella* Strenzke (1926) p. 39, fig. 16; Europe.
1960. *Archisotoma pulchella* Gisin (2271) p. 187, fig. 346; Europe.

Archisotoma renaudi Delamare Deboutteville, 1956

TYPE: Author's Colln., Univ. Nancy, France.
1956. *Archisotoma Renaudi* Delamare Deboutteville (591) p. 398 and figs.; Bahamas.

Archisotoma subbrucei Delamare Deboutteville, 1953

TYPE: Author's Colln., Univ. Nancy, France.
1953. *Archosotoma subbrucei* Delamare Deboutteville (584) p. 305, fig. 6-b; Brittany.
1955. *Archisotoma subbrucei* Strenzke (1926) p. 42, fig. 16-l; France; Germany.
1957. *Archisotoma subbrucei* Bodvarsson (2252) p. 30; Iceland.
1960. *Archisotoma subbrucei* Gisin (2271) p. 188, fig. 347; France; Germany.

Genus: BALLISTRURA Börner, 1906 (243) pp. 152 and 172.
= *Pachyotoma* Bagnall, 1949 (127) p. 83.
Type species fixed: *B. schoetti* (Dalla Torre), by Börner, 1906 (243) p. 172.

Ballistrura abiskoensis (Agrell) 1939 ***nov. comb.***

1939. *Proisotoma abiskoensis* Agrell (44) p. 163, fig. III 1-4; Sweden.

Ballistrura asfouri (Christiansen) 1958 ***nov. comb.***

1958. *Anurophorus asfouri* Christiansen (2264) p. 60, Pl. 8, figs. 1–5; Syria; Lebanon.

Ballistrura crassicauda (Tullberg) 1871

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1871. *Isotoma crassicauda* Tullberg (2002) p. 143; Sweden.
1872. *Isotoma crassicauda* Tullberg (2003) p. 48, Pl. IX, figs. 14–20; Sweden.
1876. *Isotoma crassicauda* Reuter (1628) p. 82; Finland.
1880. *Isotoma crassicauda* Reuter (1629) p. 207; Scotland.
1891. *Isotoma crassicauda* Moniez (1447) p. 70; France.

1893. *Isotoma crassicauda* Schött (1765) p. 75, Pl. VI, figs. 43, 45; Sweden.
1895. *Isotoma crassicauda* Reuter (1643) p. 29; Finland; Sweden; Shetland; Hungary.
1900. *Isotoma crassicauda* Vellay (2056) p. 20; Hungary.
1901. *Isotoma crassicauda* Carl (354) p. 260; Switzerland.
1902. *Isotoma crassicauda* Schött (1772) p. 20, Pl. 1, fig. 11; Nth. Scandinavia.
1905. *Isotoma crassicauda* Axelson (81) p. 30; Tvarminne.
1906. *Isotoma crassicauda* Axelson (82) p. 12; Russia.
1906. *Isotoma carli* Börner (243) p. 172; Brazil.
PARATYPE: Lab. Zool., Fac. Sci., Dijon, France.
1906. *Isotoma crassicauda* Wahlgren (2080) p. 254, fig. 20c; Sweden.
1907. *Proisotoma crassicauda* Axelson (83) p. 130; Finland.
1912. *Proisotoma crassicauda* Axelson (1292) p. 124; Finland.
1917. *Proisotoma crassicauda* Bagnall (105) p. 84; Hungary.
1919. *Proisotoma crassicauda* Handschin (977) p. 76; Switzerland; Sweden; Russia; Shetland Is; Hungary.
1921. *Proisotoma crassicauda* Kreis (1207) p. 276; Systematics.
1924. *Proisotoma crassicauda* Handschin (981) p. 111; Switzerland.
1925. *Proisotoma crassicauda* Brown (304) p. 159; Lancashire; Shetland Is.
1926. *Proisotoma crassicauda* Handschin (988) p. 42; Europe.
1926. *Proisotoma crassicauda* Stirnimann (1907) p. 252; Ecology.
1927. *Proisotoma crassicauda* Handschin (999) p. 298; Westfalia.
1929. *Proisotoma crassicauda* Handschin (1008) p. 60, fig. 106; Germany.
1930. *Proisotoma crassicauda* Stach (1869) p. 288; Europe.
1932. *Proisotoma crassicauda* Krogerus (1210) p. 93; Finland.
1933. *Proisotoma crassicauda* Schubert (1787) p. 267; Ecology.
1933. *Isotoma crassicauda* Turk (2007) p. 95; Britain.
1934. *Proisotoma crassicauda* Durkop (707) p. 498; Scandinavia; Germany.
1934. *Isotoma crassicauda* Perrier (1576) p. 36; France.
1934. *Proisotoma crassicauda* Schubert (1788) p. 528; Germany.
1943. *Proisotoma crassicauda* Agrell (47) p. 125; Sweden.
1947. *Ballistrura crassicauda* Stach (1886) p. 242; Poland; Hungary; Styria.
1948. *Proisotoma* (*Ballistrura*) *crassicauda* Franz and Beier (821) p. 452–; Ecology.
1949. *Proisotoma crassicauda* Janetschek (1127) pp. 41, 135–143; Ecology.
1951. *Ballistrura crassicauda* Stach (1889) p. 79, figs. 14-G, 40; Europe.
1954. *Proisotoma* (*Ballistrura*) *crassicauda* Strenzke (1925) p. 54; Germany; Finland.
1955. *Ballistrura crassicauda* Murphy (1474) p. 160; Ecology.
1955. *Ballistrura crassicauda* Stach (1893) p. 124, figs. 346–349; Europe.
1955. *Proisotoma* (*Ballustrura*) *crassicauda* Strenzke (1926) p. 35, fig. 14; Nth and Central Europe.
1958. *Proisotoma crassicauda* Palissa (2318) p. 467; Germany.
1959. *Ballistrura crassicauda* Stach (1896) p. 60–; Europe.
1960. *Proisotoma crassicauda* Gisin (2271) p. 191, fig. 351; Europe.
1960. *Proisotoma crassicauda* Grindbergs (2373) p. 40; U.S.S.R.
1960. *Proisotoma crassicauda* Paclt (2391) p. 156; Hungary.

Ballistrura ewingi* Folsom, 1933

1933. *Proisotoma ewingi* James (1124) p. 99; Toronto region, Canada.
1937. *Proisotoma* (*Ballistrura*) *ewingi* Folsom (806) p. 40; Mississippi.
1947. *Ballistrura ewingi* Stach (1886) p. 236; U.S.A.

Ballistrura excavata (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma* (*Ballistrura*) *excavata* Folsom (806) p. 41, Pl. 13, figs. 131–136, Pl. 14, figs. 137, 138; Washington.
1947. *Proisotoma* (*Ballistrura*) *excavata* Stach (1886) p. 190; Florida.
1953. *Ballistrura excavata* Del. Deb. (585) p. 825, figs. 5 a-g; Kilimanjaro.
1954. *Ballisturura excavata* Salt (1723) p. 418; Kilimanjaro; Ecology.

Ballistrura lamelligera Börner, 1909

1909. *Proisotoma* (*Ballistrura*) *lamelligera* Börner (246) p. 108; Japan.
1938. *Proisotoma* (*Ballistrura*) *lamelligera* Uchida (2015) p. 7; Japan.
1939. *Proisotoma* (*Ballistrura*) *lamelligera* Yosii (2223) p. 359; Japan.
1947. *Ballistrura lamelligera* Stach (1886) p. 236; Japan.
1957. *Proisotoma* (*Ballistrura*) *lamelligera* Uchida (2041) p. 24; Japan.

Ballistrura laticauda Folsom, 1937

TYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma* (*Ballistrura*) *laticauda* Folsom (806) p. 42, Pl. 14, figs. 139–146; Massachusetts.
1959. *Proisotoma* (*Ballistrura*) *laticauda* Wilkey (2350) p. 223; California.

Ballistrura levantina Christiansen, 1958

TYPE: Auth. Colln., Grinnell Coll., Iowa, U.S.A.
1958. *Ballistrura levantina* Christiansen (2264) p. 70, Pl. 8, figs. 8–13; Lebanon.

Ballistrura nidicola (Agrell) 1939

1939. *Proisotoma nidicola* Agrell (44) p. 164, fig. III, 5, 6; Sweden.

Ballistrura schoetti (Schött, 1893) (Dalla Torre) 1895

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
COTYPES: Brit. Mus. Nat. Hist., London.
1893. *Isotoma litoralis* Schött (1765) p. 75, Pl. 6; Spitzbergen; Sweden.

* The name *ewingi* was first published in 1933 by James (1124) but in publishing this name James credits its authorship to Folsom. Under Article 21 of the code this would seem to be in order.

1895. *Isotoma litoralis* Schött, nec Moniez, Dalla Torre (498) p. 10; Europe; Boreal.
1895. *Isotoma schoetti* Dalla Torre (498) p. 10; *nom. nov.*
1895. *Isotoma litoralis* Reuter (1643) p. 29; Finland.
1896. *Isotoma lacustris* Schött (1769) p. 185; North America.
1897. *Isotoma schoetti* Poppe & Schäffer (1607) p. 267; Germany.
1897. *Proisotoma schoetti* Poppe & Schäffer (1607) p. 267; Germany.
1897. *Isotoma schotti* Schäffer (1765) p. 183, fig. 66; Germany.
1898. *Isotoma littoralis* Carpenter (367) p. 54; Ireland.
1899. *Isotoma schotti* Carpenter & Evans (402) p. 252, Pl. V, fig. 6, Pl. VIII, figs. 9, 10; Scotland.
1900. *Isotoma schöttii* Carpenter (368) p. 277; Franz-Josef Land.
1900. *Isotoma schötti* Schäffer (1738) p. 248, Spitzbergen; Sweden; Finland; Germany; California.
1900. *Isotoma schötti* Skorikow (1833) p. 196; Spitzbergen.
1900. *Isotoma schötti* Wahlgren (2077) p. 375; Spitzbergen.
1901. *Isotoma schötti* Börner (234) p. 43; Germany.
1901. *Isotoma schötti* Carl (354) p. 259; Switzerland.
1901. *Proisotoma schötti* Evans (740) p. 153; Scotland.
1902. *Isotoma schötti* Schött (1772) p. 21, Pl. I, fig. 12; Boreal.
1903. *Isotoma schötti* Ågren (55) p. 131; Add. description.
1906. *Isotoma schötti* Wahlgren (2080) p. 254, fig. 20b; Sweden.
1907. *Proisotoma schötti* Axelson (83) p. 130; Finland.
1910. *Proisotoma schötti* Bagnall (102) p. 501; Britain.
1910. *Proisotoma schötti* Collinge & Shoebotham (472) p. 109, fig. 8; England.
1912. *Proisotoma schötti* Axelson (1292) p. 123, Pl. VI, figs. 46–47, Pl. VII, fig. 1; Finland.
1919. *Proisotoma schötti* Handschin (977) p. 76; Switzerland; Nth. and Middle Europe; California; Spitzbergen.
1920. *Proisotoma schötti* Wahlgren (2090) p. 8; Europe.
1922. *Proisotoma schötti* Carpenter & Phillips (404) p. 18; Spitzbergen; Scandinavia; Finland; Germany; Switzerland; Great Britain; Ireland; N. America.
1924. *Proisotoma schötti* Denis (616) p. 228; Tripolitaine, near Tripoli; French Guyane.
1924. *Proisotoma schötti* Handschin (981) p. 111; Switzerland.
1925. *Proisotoma schötti* Brown (304) p. 159; Britain & W. Ireland; littoral.
1928. *Proisotoma schötti* Handschin (1005) p. 5; Algeria.
1929. *Proisotoma schötti* Buitendijk (333) p. 21, fig. 1; Cosmopolitan.
1929. *Proisotoma schotti* Handschin (1008) p. 60; Nth. & Middle Europe; Rumania; California.
1929. *Proisotoma schötti* Handschin (1008) p. 60; Systematics.
1930. *Proisotoma schötti* Buitendijk (334) p. 58; Holland.
1932. *Proisotoma schötti* Kseneman (1211) p. 15, figs. 14, 15; Europe.
1933. *Proisotoma schötti* Mills & Rolfs (1431) p. 79; Washington.
1933. *Proisotoma schötti* Turk (2007) p. 94; Britain.
1934. *Proisotoma schötti* Durkop (707) p. 498; Europe; California; Spitzbergen.
1934. *Proisotoma schötti* Mills (1417) p. 52, figs. 93, 94; Iowa.
1934. *Proisotoma schötti* Womersley (2177) p. 456; Sth. Africa.
1934. *Proisotoma schötti* Womersley (2177) p. 469; Europe; Sth. Africa; Algeria; Italian Libya.
1934. *Proisotoma schötti* Womersley (2178) p. 98, t-fig. 6 a-d; Australia.
1937. *Proisotoma* (*Ballistrura*) *schötti* Folsom (806) p. 39, Pl. 12, figs. 120–125; Description and Distribution, U.S.A.
1938. *Proisotoma schötti* Kseneman (1220) p. 14; Czechoslovakia.
1939. *Proisotoma* (*Proisotoma*) *schötti* Womersley (2190) p. 155, fig. 54, O-R; Australia.
1939. *Proisotoma* (*Ballistrura*) *schötti* Yosii (2223) p. 358, fig. 7; Japan.
1941. *Proisotoma schötti* Buitendijk (336) p. 36; Netherlands; Nth. and Mid. Europe; Rumania; California.
1942. *Proisotoma schötti* Handschin (1012) p. 404; Palestine.
1943. *Proisotoma schötti* Agrell (47) p. 125; Sweden.
1943. *Proisotoma* (*Ballistrura*) *schötti* Gisin (853) p. 162; Switzerland.
1947. *Ballistrura schötti* Stach (1886) p. 237, Pl. XXVII; Description; Poland.
1948. *Proisotoma schötti* Gisin (867) p. 83; Switzerland.
1949. *Proisotoma schötti* Caspers (409) p. 43; Ecology.
1949. *Proisotoma* (*Ballustrura*) *schötti* Gisin (872) p. 405; Switzerland.
1949. *Proisotoma schötti* Janetschek (1127) pp. 41, 135–143; Ecology.
1950. *Proisotoma schötti* Delamare Deboutteville (570) p. 281–; Europe.
1950. *Proisotoma schötti* Knowlton (1185) p. 96; Utah, in celery fields.
1951. *Proisotoma* (*Ballustrura*) *schötti* Maynard (1393) p. 96; Description; New York; U.S.A.; Europe; Africa; Australia.
1951. *Ballistrura schoetti* Stach (1889) p. 76, fig. 39; Baltic.
1952. *Proisotoma schötti* Jeannenot (1130) pp. 1–50; Gold Coast; Population studies.
1954. *Proisotoma* (*Ballistrura*) *schötti* Strenzke (1925) p. 54; Germany.
1955. *Ballistrura schoetti* Stach (1893) p. 122, figs. 343–345; Cosmopolite.
1955. *Ballistrura schötti* Strenzke (1926) p. 34, fig. 13; Europe; Africa; North America.
1955. *Isotoma* (*Ballistrura*) *schötti* Uchida (2034) p. 200; Japan; Region.
1956. *Proisotoma schötti* Paclt (1541) p. 124; Biology.
1957. *Proisotoma schötti* von Torne (2348) p. 30; Germany.
1957. *Ballistrura schötti* Uchida (2041) p. 25; Japan.
1958. *Ballistrura schötti* Christiansen (2264) p. 70; Palestine.
1958. *Ballistrura schotti* Grindbergs (2277) p. 196; Latvia.
1958. *Proisotoma* (*Ballistrura*) *schötti* Palissa (2318) p. 467; Germany.
1958. *Ballistrura schötti* Rapoport (1618) p. 34, 13 figs; Argentine.
1959. *Proisotoma schötti* Paclt (2316) p. 42; Sth. Africa.
1959. *Proisotoma* (*Ballistrura*) *schötti* Palissa (2319) p. 369–; Systematics; Ecology.

1959. *Proisotoma (Ballistrura) schötti* Wilkey (2350) p. 223; California.
1959. *Ballistrura schötti* Yosii (2353) p. 5, fig. 3; Sth. Africa.
1960. *Proisotoma schoetti* Gisin (2271) p. 193, figs. 355, 356; Europe; America.
1960. *Proisotoma schoetti* Grindbergs (2373) p. 40; U.S.S.R.
1960. *Proisotoma (Ballistrura) schotti* Palissa (2319) p. 369; Systematics & Ecology.

Ballistrura schoetti lutea (Womersley) 1934

1934. *Proisotoma schötti lutea* Womersley (2178) p. 99; South Australia.

Ballistrura stricta (Yosii) 1939

1939. *Proisotoma (Ballistrura) stricta* Yosii (2223) p. 361, fig. 9; Japan.
1957. *Proisotoma (Ballistrura) stricta* Uchida (2042) p. 38; Japan.

Ballistrura yamorensis (Uchida) 1949

TYPE: Osaka Mun. Mus., Osaka, Japan.
1949. *Proisotoma (Ballistrura) yamorensis* Uchida (2023) p. 40, Pl. 3 R-T; New Guinea.

Genus: IANSTACHIA Bagnall, 1949 (127) p. 83.

Type species fixed: *I. caucasica* (Stach), by Bagnall, 1949 (127) p. 84.

Ianstachia caucasica (Stach) 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Proisotoma caucasica* Stach (1886) p. 191, Pl. XXV, figs. 6–8; Caucasus.
1949. *Ianstachia caucasica* Bagnall (127) p. 83; Taxonomy.
1960. *Proisotoma caucasica* Gisin (2271) p. 191; Caucasus.
1960. *Proisotoma caucasica* Grindbergs (2373) p. 40; U.S.S.R.

Genus: VARISOTOMA *nov.*

Type species here designated: *V. angularis* (Axelson).

Varisotoma angularis (Axelson) 1905

TYPE: Zool. Mus., Univ. Div. Ent., Helsinki.
1905. *Isotoma angularis* Axelson (80) p. 791; Finland.
1905. *Isotoma angularis* Axelson (81) p. 30, Pl. I, figs. 2–6; Tvärminne, Finland.
1907. *Proisotoma angularis* Axelson (83) p. 130; Finland.
1912. *Proisotoma angularis* Axelson (1292) p. 133, Pl. X, figs. 6–11; Finland.
1929. *Proisotoma angularis* Handschin (1008) p. 62; Finland.
1934. *Proisotoma angularis* Durkop (707) p. 499; Finland; Germany.
1935. *Folsomides decemoculatus* Mills (1418) p. 134, figs. 1, 2; Utah.
1937. *Proisotoma angularis* Bagnall (117) p. 25; Britain; Add. descr.
1938. *Folsomides angularis* Kseneman (1219) p. 109; Austria; Czechoslovakia.
1938. *Folsomides angularis* Kseneman (1220) p. 14; Czechoslovakia; America.
1943. *Proisotoma angularis* Delamare Deboutteville (534) p. 152; France.
1943. *Proisotoma (Folsomides) angularis* Gisin (853) p. 161; Switzerland.
1945. *Proisotoma angularis* Paclt (1533) p. 3; Suomi (Austr.).
1947. *Subisotoma angularis* Stach (1886) p. 108, Pl. XI; Poland; Yugoslavia.
1948. *Proisotoma (Subisotoma) angularis* Gisin (867) p. 88; Switzerland.
1950. *Subisotoma angularis* Delamare Deboutteville (570) p. 143; France.
1951. *Subisotoma angularis* Stach (1889) p. 73, fig. 36; Poland.
1952. *Subisotoma angularis* Strenzke (1924) p. 5; Germany.
1954. *Proisotoma angularis* Cassagnau (418) p. 622; Pyrenees.
1955. *Subisotoma angularis* Stach (1893) p. 112, figs. 303–306; Europe.
1955. *Subisotoma angularis* Strenzke (1926) p. 36; Finland; Holstein; England; Yugoslavia; Central Europe.
1958. *Subisotoma angularis* von Torne (1993) p. 666; Austria.
1959. *Subisotoma angularis* Da Gama (2266) p. 16; Portugal.
1960. *Folsomides angularis* Gisin (2271) p. 190; Europe.
1960. *Folsomides angularis* Grindbergs (2373) p. 39; U.S.S.R.
1960. *Subisotoma angularis* Selga (2334) p. 98; Europe.

Varisotoma decemoculata (Scherbakow) 1899

1899. *Isotoma decemoculata* Scherbakow (1753) p. 80, figs. 5–7; S.W. Russia.
1905. *Isotoma decemoculata* Axelson (81) p. 31, Pl. I, figs. 7, 8; Finland.
1931. *Proisotoma decemoculata* Bonet (205) p. 381; Czechoslovakia.
1937. *Proisotoma decemoculata* Frenzel (828) p. 316; Ecology.
1945. *Proisotoma decemoculata* Paclt (1533) p. 3; Rossija, Kremencug.
1960. *Isotoma decemoculata* Grindbergs (2373) p. 64; U.S.S.R.

Varisotoma minima (Absolon) 1901

1901. *Isotoma minima* Absolon (12) p. 107, figs. 19–20.
1901. *Isotoma minima* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma minima* Absolon (13) p. 116, Pl. II, figs. 8–16; Czechoslovakia.
1901. *Isotoma minima* Absolon (20) p. 33, figs. 3–4; Czechoslovakia.
1901. *Isotoma mirabilis* Börner (234) p. 44, figs. 19–22, Pl. I, fig. 2; cf. Stach (1886).
1905. *Isotoma minima* Axelson (81) p. 30, Pl. I, figs. 9–12; Finland.
1905. *Isotoma minima* Axelson (82) p. 13; Russia.
1907. *Proisotoma minima* Axelson (83) p. 1–; Finland.
1912. *Proisotoma minima* Axelson (1292) p. 132, Tx. fig. 14–17; Finland.
1925. *Proisotoma minima* Harnisch (1020) p. 68; Ecology.
1929. *Proisotoma minima* Handschin (1008) p. 62; Baltics; Germany; England.
1930. *Proisotoma minima* Stach (1869) p. 288; Europe.
1931. *Proisotoma minima* Bonet (205) p. 381; Czechoslovakia.
1933. *Proisotoma minima* Schubert (1787) p. 267; Ecology.
1934. *Proisotoma minima* Agrell (37) p. 223; Ecology; Sweden.
1934. *Proisotoma americana* Mills (1417) p. 51, figs. 89–91; Iowa; cf. Stach (1886).
1935. *Proisotoma minima* Schubert (1790) p. 97; Europe.
1937. *Proisotoma minima* Frenzel (828) p. 305; Ecology.
1939. *Proisotoma minima* Agrell (44) p. 167; Sweden.
1939. *Proisotoma minima* Bagnall (117) p. 26; Britain.
1939. *Proisotoma minima* Bagnall (120) p. 199; Britain.

1942. *Proisotoma (Proisotoma) minima* Gisin (851) p. 292, fig. 5; Morphology.
1943. *Proisotoma minima* Agrell (47) p. 125; Sweden; Habitats.
1943. *Proisotoma minima* Gisin (853) p. 162; Switzerland.
1945. *Proisotoma minima* Agrell (50) p. 10; Sweden; Habitats.
1947. *Proisotoma minima* Stach (1886) p. 206, Pl. XXI, figs. 1–9; Poland; Austria; Revised descr.
1948. *Proisotoma minima* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Proisotoma minima* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Proisotoma minima* Praport (1610) p. 142; Poland.
1951. *Proisotoma minima* Schaller (1746) p. 463; Germany; Ecology.
1952. *Proisotoma minima* Massera (1382) p. 30; Italy; caves.
1953. *Proisotoma minima* Delamare Deboutteville (584) p. 311; France.
1953. *Proisotoma minima* Delamare Deboutteville (587) p. 482; Ecology; Algeria.
1954. *Proisotoma minima* Bellinger (174) p. 23; Connecticut.
1955. *Proisotoma minima* Stach (1893) p. 120, figs. 334–335; Europe; America.
1956. *Proisotoma (s.str.) minima* Bockemuhl (193) p. 140; Spitzbergen.
1956. *Proisotoma minima* Yosii (2235) p. 64, Pl. XXXVI, figs. 210–212; Japan.
1957. *Proisotoma minima* Nomura (1499) p. 66; Japan.
1957. *Proisotoma minima* Strebel (1920) p. 470.
1958. *Proisotoma minima* Christiansen (2264) p. 70; Lebanon.
1958. *Proisotoma minima* Grindbergs (2277) p. 195; Latvia.
1958. *Proisotoma minima* Holler-Land (2283) p. 110; Ecology.
1959. *Proisotoma minima* Da Gama (2266) p. 18; Portugal.
1959. *Proisotoma minima* Holler-Land (2284) p. 432; Germany; Ecology.
1959. *Proisotoma minima* Stach (1896) p. 27; Poland.
1960. *Proisotoma minima* Gisin (2271) p. 198, fig. 365; Finland; England; Algeria.
1960. *Proisotoma minima* Grindbergs (2373) p. 40; U.S.S.R.

Genus: CLIFORGA Wray, 1952 (2204) p. 101.

Type species fixed: *C. alleghaniensis* Wray, 1952 (2204) p. 102.

Cliforga alleghaniensis Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Cliforga alleghaniensis* Wray (2204) p. 102, figs. 43–45; U.S.A.

Genus: PROISOTOMA Börner, 1901 (234) p. 172.
= *Cranisotoma* Bagnall, 1948 (126) p. 539.
= *Scutisotoma* Bagnall, 1948 (126) p. 535.
= *Scutisotomodes* Bagnall, 1948 (126) p. 536.
= *Louisotoma* Wray, 1958 (2212) p. 3.

Type species fixed: *P. minuta* (Tullberg), by Börner, 1901 (234) p. 172.

Proisotoma abiskoensis Agrell, 1939

1939. *Proisotoma abiskoensis* Agrell (44) p. 163, fig. III; Swedish Lapland.
1941. *Proisotoma abiskoensis* Agrell (46) p. 20; Swedish Lapland.
1943. *Proisotoma abiskoensis* Agrell (47) p. 125; Sweden.
1947. *Proisotoma abiskoensis* Stach (1886) p. 197; Swedish Lapland.
1959. *Proisotoma abiskoensis* Stach (1896) p. 69; Boreal.
1960. *Proisotoma abiskoensis* Gisin (2271) p. 194; Swedish Lapland.

Proisotoma admaritima Murphy, 1953

HOLOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1953. *Proisotoma (Proisotoma) admaritima* Murphy (1473) p. 103, figs. 1–7; Scotland.
1955. *Proisotoma (Proisotoma) admaritima* Strenzke (1926) p. 33; Scotland.
1960. *Proisotoma admaritima* Gisin (2271) p. 196, fig. 362; Scotland.

Proisotoma africana Womersley, 1934

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Proisotoma africana* Womersley (2177) pp. 457, 469, fig. 7 a-c; South Africa.
1959. *Proisotoma africana* Paclt (2316) p. 41; South Africa.

Proisotoma alba Yosii, 1939

1939. *Proisotoma (Proisotoma) alba* Yosii (2223) p. 363, fig. 10; Japan.
1957. *Proisotoma alba* Uchida (2041) p. 24; Japan.

Proisotoma americana Mills, 1934

COTYPES: Illinois State Nat. History Survey, Urbana, Illinois.
1934. *Proisotoma americana* Mills (1417) p. 51, figs. 89–91; Iowa.
1938. *Proisotoma americana* Brimley (275) p. 15; Nth. Carolina.
1938. *Proisotoma americana* Mills (1421) p. 15; North Carolina.
1956. *Proisotoma americana* Wray and Mills (2215) p. 7; Utah.
1957. *Proisotoma americana* Nomura (1499) p. 69; Japan.

Proisotoma aqualata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Proisotoma aqualata* Salmon (1676) p. 333, Pl. 52, figs. 217–219, Pl. 53, fig. 220; New Zealand.
1947. *Proisotoma aqualata* Stach (1886) p. 190; New Zealand.

Proisotoma bayouensis Mills, 1931

COTYPE: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. History Survey, Urbana, Illinois.
1931. *Proisotoma bayouensis* Mills (1415) p. 1, figs. 1–6; Louisiana.
1959. *Proisotoma bayouensis* Stach (2339) p. 224; Louisiana.

Proisotoma borealis (Axelson) 1905

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1905. *Isotoma borealis* Axelson (80) p. 791; Finland.
1906. *Isotoma incisa* Wahlgren (2080) p. 251; Lapland; cf. Handschin (1008).
1907. *Proisotoma borealis* Axelson (83) p. 130; Finland.
1912. *Proisotoma borealis* Axelson (1292) p. 125, Pl. I, fig. 14, Pl. IX, figs. 23–27; Finland.
1919. *Proisotoma borealis* Wahlgren (2089) p. 750; Sweden.
1929. *Proisotoma borealis* Handschin (1008) p. 61; Nth. Europe.

1930. *Proisotoma borealis* Durkop (707) p. 499; Europe.
1941. *Proisotoma borealis* Agrell (46) p. 20; Swedish Lapland.
1943. *Proisotoma borealis* Agrell (47) p. 125; Sweden.
1947. *Proisotoma borealis* Stach (1886) p. 196; Finland; North Sweden.
1959. *Proisotoma borealis* Stach (1896) p. 69; Boreal.
1960. *Proisotoma borealis* Gisin (2271) p. 194, fig. 358; Scandinavia.

Proisotoma brevidens Stach, 1947

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1947. *Proisotoma brevidens* Stach (1886) p. 204, Pl. XX, figs. 1–8; Poland; Austria.
1955. *Proisotoma brevidens* Stach (1893) p. 118, figs. 324 and 324; Add. descr.; West Ukraine.
1960. *Proisotoma brevidens* Gisin (2271) p. 195; Poland; Carpathians; Austria.
1960. *Proisotoma brevidens* Grindbergs (2373) p. 40; U.S.S.R.

Proisotoma brisbanensis Womersley, 1935

TYPES: Sth. Austr. Mus., Adelaide.
1935. *Proisotoma brisbanensis* Womersley (2181) p. 215, fig. 4 j-l; Australia.
1939. *Proisotoma (Proisotoma) brisbanensis* Womersley (2190) p. 155, fig. 54, CC-EE; Queensland.

Proisotoma buddenbrocki Strenzke, 1954

1954. *Proisotoma (Proisotoma) buddenbrocki* Strenzke (1925) p. 52, figs. 9–13; Germany.
1955. *Proisotoma (Proisotoma) buddenbrocki* Strenzke (1926) p. 32, fig. 12; Finland; Germany.
1960. *Proisotoma buddenbrocki* Gisin (2271) p. 195, fig. 361; Germany.

Proisotoma centralis Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Proisotoma centralis* Denis (638) p. 111, figs. 78–82; Costa Rica.
1933. *Proisotoma centralis* Denis (645) p. 233; Costa Rica.
1938. *Proisotoma centralis* Mills (1420) p. 184, figs 7–12; Yucatan caves, Mexico.
1939. *Proisotoma centralis* Arlé (64) p. 125, figs. 1–3; Costa Rica.
1944. *Proisotoma centralis* Bonet (214) p. 19; Cuba; Add. descr.

Proisotoma christianseni Stach, 1959

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1959. *Proisotoma christianseni* Stach (2339) p. 221, Pl. XII, figs. 1–10; Lebanon.

Proisotoma coeca Da Gama, 1961

1961. *Proisotoma coeca* Da Gama (2453) p. 26, fig. IV; Portugal.

Proisotoma curva Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1949. *Proisotoma curva* Gisin (872) p. 407, fig. 11; Switzerland.
1960. *Proisotoma curva* Gisin (2271) p. 192, fig. 353; Switzerland.

* **Proisotoma decemoculata** Folsom, 1933 (in 1431) 1937

1933. *Proisotoma decemoculata* Mills and Rolfs (1431) p. 79; Washington.
1937. *Proisotoma (Proisotoma) decemoculata* Folsom (806) p. 60, Pl. 23, figs. 253–255; Illinois.
1956. *Proisotoma decemoculata* Wray and Knowlton (2214) p. 3; Idaho.
1956. *Proisotoma decemoculata* Wray and Knowlton (2215) p. 8; Utah.

Proisotoma deflexa Schött, 1926

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1926. *Proisotoma deflexa* Schött (1779) p. 8, Pl. I, figs. 11–13; Cameroons.
1950. *Proisotoma deflexa* Delamare Deboutteville (570) p. 83; Ivory Coast.

Proisotoma dottrensi Gisin, 1949

TYPE: Mus. Hist. Natur., Switzerland.
1949. *Proisotoma dottrensi* Gisin (872) p. 404; Switzerland.
1960. *Proisotoma dottrensi* Gisin (2271) p. 198, fig. 366; Switzerland.

Proisotoma fatonei Rapoport, 1959

1959. *Proisotoma fatonei* Rapoport (2324) p. 80, figs. 6–15; Argentina.

Proisotoma filifera Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Proisotoma filifera* Denis (638) p. 112, figs. 83–88; Costa Rica.
1933. *Proisotoma filifera* Denis (645) p. 233; Costa Rica.

Proisotoma fitchi Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Proisotoma fitchi* Denis (645) p. 234, figs. 14–20; Costa Rica.
1939. *Proisotoma fitchi* Arlé (64) p. 125; Costa Rica.
1954. *Proisotoma fitchi* Cassagnau (418) p. 622; Spain.

Proisotoma fitchioides Denis, 1947

1947. *Proisotoma fitchioides* Denis (672) p. 101, figs. 1–5; India.

Proisotoma frisoni Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma (Proisotoma) frisoni* Folsom (806) p. 55, Pl. 20, figs. 216–219, Pl. 21, figs. 220–222: Illinois.
1958. *Proisotoma frisoni* Scott (1880).

Proisotoma fungi Selga, 1962

1962. *Proisotoma fungi* Selga (2555) p. 73, fig. 1; Spain.

Proisotoma gisini Da Gama, in litt., 1958

1962. *Proisotoma gisini* Da Gama (2455) p. 107; Portugal.

Proisotoma granulata Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Proisotoma granulata* Stach (1886) p. 227, Pl. XXV, figs. 1–5; Poland.
1955. *Proisotoma granulata* Stach (1893) p. 120, figs. 332–333; Poland; Carpathians.
1960. *Proisotoma granulata* Gisin (2271) p. 193; Carpathians.
1960. *Proisotoma granulata* Grindbergs (2373) p. 40; U.S.S.R.

Proisotoma hankoi Stach, 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Proisotoma hankoi* Stach (1869) p. 288; Hungary.

* Mills & Rolfs, 1933 (1431) p. 79 used this name for a species identified from Folsom's M.S. of the Isotomidae which was published four years later. This information clearly set out in the introduction to Mills & Rolfs' paper is in order under Article 21 of the Zoological Code.

1947. *Proisotoma hankoi* Stach (1886) p. 196, Pl. XXIII, figs. 6–7; Hungary.
1955. *Proisotoma hankoi* Gisin (890) p. 145; Switzerland.
1960. *Proisotoma hankoi* Gisin (2271) p. 194; Hungary.

Proisotoma immersa (Folsom) 1924

SYNTYPES: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Isotoma immersa* Folsom (797) p. 1, figs. 1–7; New York State.
1937. *Proisotoma (Proisotoma) immersa* Folsom (806) p. 63, Pl. 24, figs. 262–268; New York.
1939. *Isotoma immersa* Thomas (1969) p. 20; Ecology.
1942. *Proisotoma immersa* Scott (1796) p. 179; West U.S.A.
1943. *Proisotoma immersa* Mohr (1438) p. 278; Ecology.
1951. *Proisotoma (Proisotoma) immersa* Maynard (1393) p. 98; New York.

Proisotoma inaequalis Selga, 1962

1962. *Proisotoma inaequalis* Selga (2583) p. 38, fig. 3; Spain.

Proisotoma intermixta Handschin, 1928

1928. *Proisotoma intermixta* Handschin (1002) p. 539, figs. 17–20; Mexico.

Proisotoma ladaki Denis, 1936

1936. *Proisotoma ladaki* Denis (661) p. 262, figs. 5–8; India.
1955. *Proisotoma ladaki* Mani, Singh, Gupta and Baijal (1369) p. 510; N.W. Himalayas.

Proisotoma laguna Folsom, 1937

1912. *Isotoma bidenticula* Bacon (Guthrie) (89) p. 842; California.
1914. *Isotoma bidenticula* Bacon (94) p. 147; California.
1937. *Proisotoma laguna* Folsom (806) p. 118, Pl. 39, figs. 457–461; *nom. nov.;* California

Proisotoma lapponica Brown, 1931

1931. *Proisotoma (Isotomina) lapponica* Brown (310) p. 134, fig. 3: 2–5; Lapland.
1947. *Proisotoma lapponica* Stach (1886) p. 200; Lapland.

Proisotoma lombokensis (Schött) 1901

1901. *Isotoma lombokensis* Schött (1771) p. 321, figs. 21–25; Lombok.
1925. *Isotoma lombokansis* Handschin (985) p. 267.
1928. *Proisotoma lombokensis* Handschin (1001) p. 266; Lombok.
1947. *Isotoma lombokensis* Stach (1886) p. 269; = *Isotomodes.*

Proisotoma longispina (MacGillivray) 1893

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1893. *Achorutes longispinus* MacGillivray (1342) p. 315; North America.
1937. *Proisotoma (Proisotoma) longispina* Folsom (806) p. 50, Pl. 18, figs. 190, 191, Pl. 19, figs. 192–197; New Mexico.

Proisotoma mackenziana Hammer, 1953

TYPE: Author's Pers. Colln., Fredensborg, Denmark.
1953. *Proisotoma mackenziana* Hammer (972) p. 50, fig. 22; North Canada.
1953. *Proisotoma mackensiana* Hammer (973) p. 8; Ellesmere I., Canada.

Proisotoma micrura Börner, 1907

1907. *Proisotoma micrura* Börner (244) p. 168, figs. 25, 28, 30, 32; South America.

Proisotoma millsi (Mills, 1418) Paclt, 1944

1935. *Folsomides decemoculatus* Mills (1418) p. 134, figs. 1, 2; North America.
1937. *Proisotoma decemoculata* Folsom (806) p. 60, Pl. 23, figs. 253–255.
1944. *Proisotoma millsi* Paclt (1533) p. 3; *nom. nov.*

Proisotoma minuta (Tullberg) 1871

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1871. *Isotoma minuta* Tullberg (2002) p. 152; Sweden.
1872. *Isotoma minuta* Tullberg (2003) p. 47, Pl. IX, figs. 23, 24; Sweden.
1876. *Isotoma minuta* Tullberg (2004) p. 36; Boreal; Sweden; Siberia.
1893. *Isotoma minuta* Schött (1765) p. 74, Pl. VI, figs. 40–42; Palaearctic.
1894. *Isotoma pallida* Moniez (1450) p. 354; Brazil.
1895. *Isotoma minuta* Dalla Torre (498) p. 10; Systematics.
1896. *Isotoma minuta* Schäffer (1735) p. 183, fig. 69; Germany.
1898. *Isotoma minuta* Scherbakow (1750) p. 59; Kiev.
1898. *Isotoma minuta* Scherbakow (1751) p. 11; Kiev.
1900. *Isotoma minuta* Axelson (75) p. 113; Finland.
1900. *Isotoma minuta* Schäffer (1738) p. 248; Siberia; Sweden; Germany.
1900. *Isotoma minuta* Schäffer (1739) p. 255; Germany.
1900. *Isotoma stagnalis* Willem (2124) p. 28.
1900. *Isotoma tenebricola* Willem (2124) p. 28.
1901. *Isotoma minuta* Börner (234) p. 45; Germany.
1901. *Isotoma minuta* Krausbauer (1204) p. 67; Germany.
1902. *Isotoma minuta* Krausbauer (1205) p. 41; Germany.
1902. *Isotoma minuta* Schött (1772) p. 21, Pl. I, fig. 13, Pl. IV, fig. 1; North Scandinavia.
1903. *Isotoma clavipila* Axelson (77) p. 7; Finland; cf. Folsom (806).
1903. *Isotoma minuta* Börner (239) p. 171; Systematics.
1905. *Isotoma minuta* Axelson (81) p. 29; Finland.
1906. *Isotoma minuta* Axelson (82) p. 13; Revals, Russia.
1906. *Isotoma minuta* Lindsay (1288) p. 275; Edinburgh.
1906. *Isotoma minuta* Wahlgren (2080) p. 254; Sweden.
1907. *Proisotoma minuta* Axelson (83) p. 130; Finland.
1907. *Isotoma troglodytica* Rainbow (1617) p. 313; Australia.
1908. *Isotoma minuta* Bagnall (100) p. 82; Britain.
1908. *Isotoma minuta* Evans (741) p. 197; Scotland.
1908. *Isotoma minuta* Schille (1755) p. 8; Poland.
1910. *Proisotoma minuta* Bagnall (102) p. 501; Britain.
1911. *Proisotoma minuta* Axelson (1291) p. 14; Norway.
1912. *Proisotoma minuta* Axelson (1292) p. 130, Pl. X, 17-a, 18–21; Finland.
1912. *Isotoma minuta* Schille (1756) p. 8; Galizien.
1912. *Isotoma minuta* Schille (2394) p. 127; Poland.
1922. *Proisotoma minuta* Stach (1860) p. 17; Hungary.
1922. *Proisotoma minuta* Stach (1861) p. 116, Pl. 8, fig. 16; Albania; short note on form.
1923. *Proisotoma pallida* Denis (612) p. 95, figs. 1–5; Brazil.
1923. *Proisotoma minuta* Womersley (2147) p. 32; S.W. England.
1924. *Proisotoma minuta* Denis (614) p. 291; France.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1924. *Proisotoma minuta* Womersley (2147) p. 32; S.W. England.
1925. *Proisotoma minuta* Denis (617) p. 210; Italy.
1926. *Proisotoma minuta* Womersley (2153) p. 219; S.W. England.
1929. *Proisotoma minuta* Denis (635) p. 132; Italy.
1929. *Proisotoma minuta* Handschin (1008) p. 61, fig. 108; Palaearctic Region.
1929. *Proisotoma minuta* Spencer and Stracener (1855) p. 644; Economics.
1929. *Proisotoma* (*Isotoma*) *minuta* Thomas (1967) p. 224; Ecology.
1930. *Proisotoma minuta* Buitendijk (334) p. 58; Holland.
1930. *Isotoma minuta* Mills (1414) p. 392.
1930. *Proisotoma minuta* Stach (1869) p. 288; Siberia; Europe.
1930. *Proisotoma minuta* Womersley (2168) p. 179; Ireland.
1931. *Proisotoma minuta* Brown (310) p. 134; Lapland.
1931. *Proisotoma minuta* Denis (637) p. 10; Italian caves.
1931. *Proisotoma submminuta* Denis (638) p. 112, figs. 89–93; Costa Rica.
1931. *Proisotoma minuta* Denis (639) p. 215; Germany.
1931. *Proisotoma minuta* Lindroth (1286) p. 129; Iceland.
1932. *Proisotoma minuta* Kseneman (1211) p. 16; Czechoslovakia.
1933. *Proisotoma minuta* Folsom (802) p. 937; Agric. pest.
1933. *Proisotoma minuta* James (1124) p. 98; Canada.
1933. *Proisotoma minuta* Mills and Rolfs (1431) p. 79; Washington.
1933. *Proisotoma minuta* Schubert (1787) p. 194; Ecology.
1933. *Proisotoma minuta* Turk (2007) p. 94; Britain.
1934. *Proisotoma minuta* Agrell (37) p. 223; Ecology; Sweden.
1934. *Proisotoma minuta* Durkop (707) p. 499; Scandinavia; Germany.
1934. *Proisotoma minuta* Mills (1417) p. 54; Iowa.
1934. *Isotoma minuta* Perrier (1576) p. 36; France.
1934. *Proisotoma minuta* Womersley (2178) p. 99, T.fig. 6 e-g; Australia.
1935. *Proisotoma minuta* Denis (652) p. 330; Albania.
1937. *Proisotoma* (*Proisotoma*) *minuta* Folsom (806) p. 51, Pl. 19, figs. 198–207; U.S.A.; Distribution.
1938. *Proisotoma minuta* Kseneman (1219) p. 109; Spieglitzer snow mountains.
1938. *Proisotoma minuta* Kseneman (1220) p. 14; Europe.
1939. *Proisotoma minuta* Thomas (1969) p. 20; Ecology.
1939. *Proisotoma* (*Proisotoma*) *minuta* Womersley (2190) p. 155, fig. 54 S-U; Australia.
1941. *Proisotoma minuta* Buitendijk (336) p. 38, fig. 8; Netherlands; Distribution.
1942. *Proisotoma minuta* Marlier (1375) p. 9; Belgium.
1942. *Proisotoma minuta* Womersley (2193) p. 26; New Zealand.
1943. *Proisotoma minuta* Gisin (853) p. 162; Switzerland.
1944. *Proisotoma minuta* Tuxen (2010) p. 175; Iceland.
1946. *Proisotoma minuta* Pearse (1575) p. 139; Ecology.
1947. *Proisotoma minuta* Stach (1886) p. 210, Pl. XXII; Poland; Distribution.
1948. *Proisotoma minuta* Franz and Beier (821) p. 453–; Ecology.
1948. *Proisotoma minuta* Gisin (867) p. 83; Switzerland.
1948. *Proisotoma minuta* Leleup (1270) p. 10; Belgium.
1949. *Proisotoma minuta* Strenzke (1922) p. 207; Germany; Ecology.
1950. *Proisotoma minuta* Delamare Deboutteville (570) p. 281; Europe.
1950. *Proisotoma minuta* Knowlton (1185) p. 96; in celery fields, Utah.
1950. *Proisotoma minuta* Wray (2216) p. 62; Utah.
1951. *Proisotoma minuta* Delamare Deboutteville and Gisin (598) p. 4; Italy.
1951. *Proisotoma* (*Proisotoma*) *minuta* Maynard (1364) p. 97; New York, U.S.A.; Canada; Australia; Europe.
1952. *Proisotoma minuta* Baudissin (152) p. 56; Ecology.
1952. *Proisotoma minuta* Gisin (882) p. 20; Synonymy, Palaearctic Region.
1953. *Proisotoma minuta* Weidner (1953) p. 33; Central Europe.
1954. *Proisotoma minuta* Cassagnau (418) p. 623; France; Spain.
1954. *Proisotoma minuta* Strenzke (1925) p. 53; Germany.
1955. *Proisotoma minuta* Goto (921) p. 267; Britain.
1955. *Proisotoma minuta* Palissa (1545) p. 482; Ecology.
1955. *Proisotoma minuta* Stach (1893) p. 122, figs. 338–339; Cosmopolitan.
1955. *Proisotoma* (*Proisotoma*) *minuta* Strenzke (1926) p. 34; Finland; Holstein.
1956. *Proisotoma minuta* Auerbach and Englemann (73) p. 17.
1956. *Proisotoma minuta* Paclt (1541) p. 123; Austria.
1956. *Proisotoma minuta* Wray and Knowlton (2214) p. 3; Idaho.
1957. *Proisotoma minuta* Badvarsson (2252) p. 23; Iceland.
1957. *Proisotoma minuta* Gunhold (2280) p. 467–; Ecology.
1958. *Proisotoma minuta* Christiansen (2264) p. 69; Syria; Lebanon.
1958. *Proisotoma minuta* Grindbergs (2275) p. 11; Latvia.
1958. *Proisotoma minuta* Grindbergs (2277) p. 195; Latvia.
1958. *Proisotoma minuta* Holler-Land (2283) p. 110; Ecology.
1958. *Proisotoma minuta* Kholova (1169) p. 234; Bohemia.
1958. *Proisotoma minuta* Mrohs (1463) p. 325; Ecology.
1958. *Proisotoma* (*s.str.*) *minuta* Palissa (2318) p. 467; Germany.
1958. *Proisotoma minuta* Rapoport (1618) p. 32, 8 figs.; Bahia Blanca, Argentina.
1958. *Proisotoma minuta* von Torne (1993) p. 666; Austria.
1959. *Proisotoma minuta* Da Gama (494) p. 27; Madeira.
1959. *Proisotoma minuta* Holler-Land (2284) p. 427; Ecology; Germany.
1959. *Proisotoma minuta* Paclt (2316) p. 41; South Africa.
1959. *Proisotoma minuta* Paclt (2390) p. 420; Egypt.
1959. *Proisotoma minuta* Palissa (2319) p. 278; Ecology.
1959. *Proisotoma minuta* Rapoport (2323) p. 6–, figs. 1, 6, 7; Systematics.
1959. *Proisotoma minuta* Stach (1896) p. 61; Cosmopolitan.

1959. *Proisotoma minuta* Stach (2339) p. 224; Cosmopolitan.
1959. *Proisotoma (Proisotoma) minuta* Wilkey (2350) p. 223; California.
1960. *Proisotoma minuta* Gisin (2271) p. 363; Cosmopolitan.
1960. *Proisotoma minuta* Grindbergs (2373) p. 40; U.S.S.R.
1960. *Proisotoma minuta* Palissa (2319) p. 370; Systematics and Ecology.

Proisotoma minuta clavipila (Axelson) 1903

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1903. *Isotoma clavipila* Axelson (77) p. 7; Finland.
1907. *Proisotoma minuta clavipila* Axelson (83) p. 130; Finland.
1912. *Proisotoma minuta clavipila* Axelson (1292) p. 130, Pl. X, figs. 18–21; Finland.
1938. *Proisotoma minuta clavipila* Kseneman (1220) p. 14; Europe.
1960. *Proisotoma minuta clavipila* Palissa (2319) p. 372; Systematics and Ecology.

Proisotoma minuta palermitana (Börner) 1903

TYPES: Deutsch. Entom., Berlin; Brit. Mus. Nat. Hist., London.
1903. *Isotoma minuta palermitana* Börner (239) p. 139; Palermo.
1932. *Proisotoma minuta palermitana* Kseneman (1211) p. 16, fig. 16; Czechoslovakia.
1960. *Proisotoma minuta palermitana* Palissa (2319) p. 372; Ecology; Systematics.

Proisotoma nidicola Agrell, 1939

1939. *Proisotoma nidicola* Agrell (44) p. 164, fig. III, 5–6; Sweden.
1943. *Proisotoma nidicola* Agrell (47) p. 125; Sweden.
1945. *Proisotoma nidicola* Agrell (50) p. 10; Sweden; Habitats.
1947. *Proisotoma nidicola* Stach (1886) p. 194; Sweden.
1960. *Proisotoma nidicola* Gisin (2271) p. 197, fig. 364; Sweden; Germany.
1960. *Proisotoma nidicola* Gisin (2371) p. 319; Europe.

Proisotoma nigromaculosa Folsom, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Proisotoma nigromaculaso* Folsom (801) p. 62, Pl. 6, figs. 63–66; Hawaii.
1948. *Proisotoma nigromaculosa* Zimmerman (2237) p. 55, fig. 21 a-d; Hawaii.
1959. *Proisotoma nigromaculosa* Paclt (2316) p. 41, fig. 6; South Africa.

Proisotoma nilgiris Denis, 1947

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1947. *Proisotoma nilgiris* Denis (672) p. 102, figs. 6–10; India.

Proisotoma octojuga Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Proisotoma octojuga* Salmon (1689) p. 33, figs. 107–110; Campbell I.

Proisotoma oeensis Caroli, 1914

1914. *Proisotoma oeensis* Caroli (362) p. 7, figs. 5, 6; Italian Libya.
1934. *Proisotoma oeensis* Womersley (2177) p. 469; Italian Libya; Morocco.
1943. *Isotomina oeensis* Strebel (1919) p. 119; Germany.
1953. *Isotomina ooensis* Delamare Deboutteville (584) p. 312; Algeria.
1953. *Isotomina ooensis* Delamare Deboutteville (587) p. 482; Algeria.

Proisotoma oeensis mauretanica Handschin, 1925

1925. *Proisotoma oeensis mauretanica* Handschin (987) p. 165, Pl. XXIX, fig. 3; Morocco.
1931. *Proisotoma mauretanica* Denis (638) p. 118; Morocco.

Proisotoma pallida (Moniez) 1894

1894. *Isotoma pallida* Moniez (1450) p. 354; Brazil.
1923. *Proisotoma pallida* Denis (612) p. 95, figs. 1–5; Brazil.

Proisotoma palustris Cassagnau, 1959

1959. *Proisotoma palustris* Cassagnau (2262) p. 82, fig. 8; France.

Proisotoma papillosa Stach, 1937, in litt.

1937. *Proisotoma papillosa* Drenowski (695) p. 2; Bulgaria.
1947. *Proisotoma papillosa* Stach (1886) p. 193, Pl. 23, figs. 9–13; Bulgaria.
1960. *Proisotoma papillosa* Gisin (2271) p. 195; Bulgaria.

Proisotoma paronai Börner, 1907

TYPE: Deutsch. Entom. Inst., Berlin.
LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1895. *Isotoma palustrus* Parona (1565) p. 696–; Argentina.
1907. *Proisotoma Paronai* Börner (244) p. 166, *nom. nov.* figs. 26, 27, 29, 31; South America.

Proisotoma plicicauda Handschin, 1927

1927. *Proisotoma plicicauda* Handschin (997) p. 110, Pl. 4, figs. 1–5; Costa Rica.
1931. *Proisotoma plicicauda* Denis (638) p. 162; Costa Rica.

Proisotoma pseudominuta Agrell, 1943

1943. *Proisotoma pseudominuta* Agrell (47) p. 132, fig. 3; Sweden.

Proisotoma quinocellata Salmon, 1954

TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Coll., Vict. Univ., Wellington, N.Z.
1954. *Proisotoma quinocellata* Salmon (1703) p. 62, figs. 11–16; Uganda.

Proisotoma ramosi Arlé, 1959

1959. *Proisotoma ramosi* Arlé (2250) p. 166, figs. 84–87; Brazil.

Proisotoma recta Stach, 1930

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow.
1930. *Proisotoma recta* Stach (1869) p. 288; Hungary.
1947. *Proisotoma recta* Stach (1886) p. 222, Pl. XXIV; Poland.
1951. *Proisotoma recta* Stach (1889) p. 81, fig. 41; Poland.
1955. *Proisotoma recta* Stach (1893) p. 120, figs. 326–331; Add. descr.
1958. *Proisotoma recta* von Torne (1993) p. 666; Austria.
1959. *Proisotoma recta* Stach (1896) p. 27; Poland.
1960. *Proisotoma recta* Gisin (2271) p. 192, fig. 354; Poland; Austria.

Proisotoma revilliodi Gisin, 1949

TYPE: Mus. Hist. Natur., Geneva.
1901. *Isotoma schötti nec* Dalla Torre, Carl (354) p. 259; Switzerland.
1949. *Proisotoma revilliodi* Gisin (872) p. 406, fig. 10; nom. nov.; Switzerland.

Proisotoma richardi Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Proisotoma richardi* Denis (616) p. 228, figs. 39–45; Monaco.
1947. *Proisotoma richardi* Stach (1886) p. 193; Monaco.
1960. *Proisotoma richardi* Gisin (2271) p. 193, fig. 357; Monaco.

Proisotoma ridleyi Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Proisotoma ridleyi* Denis (645) p. 235, figs. 21–27; Costa Rica.

Proisotoma ripicola Linnaniemi, 1912

1899. *Isotoma agilis* Scherbakow (1753) p. 79; S.W. Russia.
1905. *Isotoma agilis* Axelson (81) p. 30; Finland.
1906. *Isotoma agilis* Axelson (82) p. 12, figs. 8–11; Russia.
1907. *Proisotoma agilis* Axelson (83) p. 66; Finland.
1912. *Proisotoma ripicola* Linnaniemi (1292) p. 128, Pl. I, fig. 13, Pl. X, figs. 30–34; Finland.
1928. *Proisotoma ripicola* Handschin (1003) p. 127; East Prussia.
1928. *Proisotoma ripicola* Handschin (1005) p. 5; Algeria.
1929. *Proisotoma ripicola* Handschin (1008) p. 62, fig. 109; Baltics; Finland.
1930. *Proisotoma ripicola* Stach (1869) p. 288; Finland; Estonia.
1932. *Proisotoma ripicola* Womersley (2177) pp. 457, 469; South Africa.
1934. *Proisotoma ripicola* Durkop (707) p. 499; Finland; Germany.
1934. *Proisotoma ripicola* Womersley (2178) p. 98, T.fig. 5 f-k; W. Australia.
1939. *Proisotoma ripicola* Agrell (44) p. 165; Sweden; Baltics; Switzerland; Algiers.
1939. *Proisotoma ripicola* Womersley (2190) p. 153, fig. 54, F-K; W. Australia.
1942. *Proisotoma ripicola* Womersley (2193) p. 26; Australia.
1947. *Proisotoma ripicola* Stach (1886) p. 200; Finland; Sweden; Hungary; Estonia; W. Australia.
1949. *Proisotoma ripicola* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Proisotoma ripicola* Stach (1889) p. 82, fig. 42; Europe.
1955. *Proisotoma ripicola* Stach (1893) p. 122; Baltic; Norway.
1955. *Proisotoma* (*Proisotoma*) *ripicola* Strenzke (1926) p. 34; Australia; Finland; North Africa.
1960. *Proisotoma ripicola* Gisin (2271) p. 196; Finland.
1960. *Proisotoma ripicola* Grindbergs (2373) p. 40; U.S.S.R.

Proisotoma sepulcralis (Folsom) 1902

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1902. *Isotoma sepulcralis* Folsom (780) p. 364; Nth. America.
1919. *Isotoma sepulcralis* McNamara (1360) p. 241; Denmark.
1937. *Proisotoma* (*Proisotoma*) *sepalcralis* Folsom (806) p. 54, Pl. 20, figs. 208–215; U.S.A.

Proisotoma sexophthalma Womersley, 1934

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Proisotoma sexophthalma* Womersley (2178) p. 100, fig. 6, k-n; W. Australia.
1939. *Proisotoma* (*Proisotoma*) *sexophthalma* Womersley (2190) p. 156, fig. 54 y-z, AA-BB; W. Australia.

Proisotoma sexophthalma edenticulata Womersley, 1934

1934. *Proisotoma sexophthalma edenticulata* Womersley (2178) p. 101, fig. 4-h; Australia.

Proisotoma simplex Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma* (*Proisotoma*) *simplex* Folsom (806) p. 61, Pl. 23, figs. 256–258; Pennsylvania.
1939. *Proisotoma simplex* Thomas (1969) p. 19; Ecology.

Proisotoma sjostedti Wahlgren, 1908

1908. *Proisotoma sjostedti* Wahlgren (2086) p. 2, Pl. I, figs. 1–4; Kilimanjaro.
1929. *Proisotoma sjostedti* Handschin (1007) p. 27; Kilimanjaro.
1934. *Proisotoma sjostedti* Womersley (2177) p. 469; Kilimanjaro.

Proisotoma sphagneticola Bagnall, 1940

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1940. *Proisotoma sphagneticola* Bagnall (121) p. 171; Britain.
1960. *Proisotoma sphagneticola* Gisin (2271) p. 191; Britain.

Proisotoma stachi Goto, 1957

TYPE: Brit. Mus. Nat. Hist., London.
1957. *Proisotoma stachi* Goto (927) p. 1, Pl. I–III, and 3 figs.; Nigeria.

Proisotoma stebayevae Grindbergs, 1962

1962. *Proisotoma stebayevae* Grindbergs (2480) p. 63, Pl. III; Tuvischen, U.S.S.R.

Proisotoma subarctica Gisin, 1950

TYPE: Mus. Hist. Natur., Geneva.
1950. *Proisotoma subarctica* Gisin (875) p. 415; Europe.
1959. *Proisotoma subarctica* Stach (2339) p. 225; Swedish Lapland.
1960. *Proisotoma subarctica* Gisin (2271) p. 197; Swedish Lapland.

Proisotoma subdeflexa Delamare Deboutteville, 1950

TYPE: Auth. Pers. Colln., Univ. Nancy, France.
1950. *Proisotoma subdeflexa* Delamare Deboutteville (570) p. 146; Ivory Coast.
1952. *Proisotoma subdeflexa* Delamare Deboutteville (2267) p. 66, figs. 18, 19; Ivory Coast.

Proisotoma subminuta Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Proisotoma subminuta* Denis (638) p. 112, figs. 89–93; Costa Rica.
1933. *Proisotoma subminuta* Denis (645) p. 234; Costa Rica.
1943. *Proisotoma subminuta* Delamare Deboutteville (534) p. 152; France.
1952. *Proisotoma subminuta* Gisin (882) p. 20; Synonymy.
1956. *Proisotoma subminuta* Bockemuhl (193) p. 140; Spitzbergen.
1960. *Proisotoma subminuta* Gisin (2271) p. 197; Costa Rica; Germany; Switzerland; France.

Proisotoma sundana Handschin, 1932

1932. *Proisotoma sundana* Handschin (1010) p. 477, figs. 4, 5; Bali; Java.

Proisotoma takeshitai Kinoshita, 1916

1916. *Proisotoma* (*Proisotoma*) *takeshitai* Kinoshita (1173) p. 497; Japan.
1932. *Proisotoma takeshitai* Kinoshita (1178) p. 2122, and figs.; Japan.

1938. *Proisotoma takeshitai* Uchida (2015) p. 7; Japan.
1939. *Proisotoma* (*Ballistrura*) *takeshitai* Yosii (2223) p. 359, fig. 8; Japan.
1950. *Ballistrura takeshitai* Kinoshita and Uchida (1179) p. 14 and figs.; Japan.
1957. *Proisotoma* (*Ballistrura*) *takeshitai* Uchida (2041) p. 24; Japan.

Proisotoma tenella Reuter, 1895

1895. *Isotoma tenella* Reuter (1643) p. 28, Pl. I, fig. 4; Finland.
1901. *Isotoma tenella* Krausbauer (1204) p. 68, fig. 59; Germany.
1907. *Proisotoma tenella* Axelson (83) p. 130; Finland.
1908. *Isotoma tenella* Carpenter (380) p. 574, 4 figs.; Kilkenny, Ireland.
1908. *Isotoma tenella* Carpenter (382) p. 174, fig. A 1-4; Ireland; Germany.
1910. *Isotoma tenella* Theobald (1964) p. 184; Gen. Economics.
1912. *Proisotoma tenella* Axelson (1292) p. 127, Pl. X, figs. 33, 34; Finland.
1929. *Proisotoma tenella* Handschin (1008) p. 62; Ireland; Finland.
1930. *Isotoma tenella* Mills (1414) p. 392.
1930. *Proisotoma tenella* Womersley (2168) p. 178; Ireland.
1933. *Proisotoma tenella* Folsom (802) p. 937; Agric. pest.
1937. *Proisotoma tenella* Hammer (966) p. 10; East Greenland.
1937. *Proisotoma tenella* Henriksen (1043) p. 3; Färoes; Distribution.
1938. *Proisotoma tenella* Hammer (968) p. 20; East Greenland.
1939. *Proisotoma* (*Proisotoma*) *tenella* Womersley (2190) p. 319; Sth. Australia.
1941. *Proisotoma tenella* Tarsia in Curia (1955) p. 257; Italy, Trentino.
1944. *Proisotoma tenella* Hammer (969) p. 61; Greenland; Finland; Europe.
1947. *Proisotoma tenella* Stach (1886) p. 230, Pl. XXVI; Poland.
1951. *Proisotoma tenella* Stach (1889) p. 82, figs. 14A, 43; Poland.
1955. *Proisotoma tenella* Stach (1893) p. 122, figs. 340–342; Finland; Poland; Sweden.
1956. *Proisotoma tenella* Paclt (1541) p. 123; Biology.
1960. *Proisotoma tenella* Bodvarsson (2412) p. 174; Färoes.
1960. *Proisotoma tenella* Gisin (2271) p. 196; Greenland; Scandinavia; Poland; Germany; Eire.

Proisotoma titusi Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma* (*Proisotoma*) *titusi* Folsom (806) p. 49, Pl. 18, figs. 181–189; Utah; California.
1950. *Proisotoma titusi* Wray (2216) p. 62; Utah.
1959. *Proisotoma* (*Proisotoma*) *titusi* Wilkey (2350) p. 223; California.

Proisotoma topsenti Denis, 1948

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1948. *Proisotoma topsenti* Denis (678) p. 45, fig. 1 a-i; France.
1960. *Proisotoma topsenti* Gisin (2271) p. 191, figs. 41, 352; France.

Proisotoma tridentata Handschin, 1929

1929. *Proisotoma tridentata* Handschin (1006) p. 237, figs. 9–11; South India.

Proisotoma tuberculata Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Proisotoma tuberculata* Stach (1886) p. 218, Pl. XXIII, figs. 1–5; Ukraine; Poland; Austria.
1951. *Proisotoma tuberculata* Praport (1610) p. 142; Poland.
1955. *Proisotoma tuberculata* Stach (1893) p. 120, figs. 336–337; Add. descr.
1960. *Proisotoma tuberculata* Gisin (2271) p. 194; Austria.
1960. *Proisotoma tuberculata* Grindbergs (2373) p. 40; U.S.S.R.

Proisotoma ultonica Carpenter, 1911

LECTOTYPES AND SYNTYPES: Manchester Mus., England.
1911. *Proisotoma ultonica* Carpenter (386) p. 83, fig. 1; Ireland.
1930. *Proisotoma ultonica* Womersley (2168) p. 178; Ireland.
1934. *Proisotoma ultonica* Davies (521) p. 92; Ireland; Britain.
1947. *Proisotoma ultonica* Stach (1886) p. 192; Ireland; England.
1960. *Proisotoma ultonica* Gisin (2271) p. 192; Britain.

Proisotoma veletensis Steiner, 1959

1959. *Proisotoma* (*Subisotoma*) *veletensis* Steiner (2343) p. 461, fig. 4; Spain.

Proisotoma vernoga (Wray) 1958

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1958. *Louisotoma vernoga* Wray (2212) p. 3, fig. 1; North Carolina.

Proisotoma xanthella Salmon, 1949

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1949. *Proisotoma xanthella* Salmon (1689) p. 34, figs. 111–15; Campbell I.

Proisotoma yosii Stach, 1947

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1939. *Proisotoma* (*Ballistrura*) *schötti nec* Dalla Torre Yosii (2223) p. 358, fig. 7; Japan.
1947. *Proisotoma yosii* Stach (1886) p. 193; nom. nov.; Japan.

Genus: PARAFOLSOMIA Salmon, 1949 (1689) p. 19.
Type species fixed: *P. decemoculata* by Salmon, 1949 (1689) p. 19.

Parafolsomia africana Salmon, 1954

TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1954. *Parafolsomia africana* Salmon (1703) p. 60, figs. 1–10; Uganda.
1954. *Parafolsomia africana* Salt (1723) p. 421; Kilimanjaro; Ecology.

Parafolsomia decemoculata Salmon, 1949

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1949. *Parafolsomia decemoculata* Salmon (1689) p. 20, figs. 54–58; Auckland I.
1954. *Parafolsomia decemoculata* Salmon (1704) p. 216; New Zealand.
1956. *Parafolsomia decemoculata* Paviour-Smith (1570) p. 552; New Zealand.

Parafolsomia dubia (Kinoshita) 1931

1932. *Folsomia dubia* Kinoshita (1178) p. 2122 and figs.; Japan.

*1931. *Folsomia dubia* Matsumura and Uchida (1386) p. 2 and fig.; Japan.
1938. *Folsomia dubia* Uchida (2015) p. 8; Japan.

† Parafolsomia duodecemoculata (Carpenter) 1919

LECTOTYPE AND SYNTYPES: Manchester Mus., England.
1919. *Isotomina* XII-*oculata* Carpenter (392) p. 544, Pl. LI, figs. 11–16; Nyasaland.
1943. *Isotomina duodecimoculata* Strebel (1919) p. 119; Germany.
1947. *Isotomina* 12-*oculata* Stach (1886) p. 269.

Parafolsomia ianthina Salmon, 1955

TYPE: Brit. Mus. Nat. Hist., London.
1955. *Parafolsomia ianthina* Salmon (1706) p. 24, figs. 1–4; Britain.

Parafolsomia litorea Salmon, 1949

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1949. *Parafolsomia litorea* Salmon (1689) p. 21, figs. 59–63; Campbell I.

Parafolsomia novae-zealandiae (Salmon) 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Folsomia novae-zealandiae* Salmon (1682) p. 74, Pl. 11, figs. 5–10; New Zealand.
1949. *Parafolsomia novae-zealandiae* Salmon (1689) p. 20; Auckland I.; North Island (N.Z.); D'Urville I.

Parafolsomia trioculata Salmon, 1956

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1956. *Parafolsomia trioculata* Salmon (1711) p. 127, figs. 1–6; India.

Genus: PROISOTOMINA Salmon, 1948 (1687) p. 295.
Type species now designated: *P. subalpina* (Salmon) 1948 (1687) p. 295.

Proisotomina subalpina (Salmon) 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Isotomina subalpina* Salmon (1683) p. 147, Pl. 59, figs. 94–98; New Zealand.
1948. *Proisotomina* (*Isotomina*) *subalpina* Salmon (1687) p. 295; Taxonomy.

Genus: ZEALANDOTOMA *gen. nov.*
Type species now designated: *Z. nova-zealandia* (Salmon) 1941.

Zealandotoma nova-zealandia (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Isotomina nova-zealandia* Salmon (1676) p. 334, Pl. 53, fig. 224; New Zealand.

Genus: STACHISOTOMA *gen. nov.*
Type species now designated: *S. lamellata* (Salmon) 1941.

Stachisotoma lamellata (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Isotomina lamellata* Salmon (1676) p. 334, Pl. 53, figs. 221–223; New Zealand.

Subfamily ISOTOMINAE Schaeffer, 1896 (1735) p. 179

Genus: PROISOTOMURUS Womersley, 1934 (2178) p. 93.
Type species fixed: *P. papillatus* by Womersley, 1934 (2178) p. 93.

Proisotomurus fuscus Salmon, 1944

TYPE: Dominion Mus., Wellington, New Zealand.
1944. *Proisotomurus fuscus* Salmon (1683) p. 145, Pl. 58, figs. 88–90; New Zealand.

Proisotomurus lapidosus Salmon, 1949

TYPE: Dominion Mus., Wellington, New Zealand.
PARATYPE: Canterbury Mus., Christchurch, N.Z.
1949. *Proisotomurus lapidosus* Salmon (1689) p. 25, figs. 79–83; Campbell I.

Proisotomurus lineatus Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Proisotomurus lineatus* Salmon (1676) p. 322, Pl. 50, figs. 177–178; New Zealand.

Proisotomurus lineatus violaceus, Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Proisotomurus lineatus violaceus* Salmon (1676) p. 323; New Zealand.

Proisotomurus novae-zealandiae Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Proisotomurus novae-zealandiae* Salmon (1676) p. 321, Pl. 50, figs. 179–182; New Zealand.

Proisotomurus papillatus Womersley, 1934

1934. *Proisotomurus papillatus* Womersley (2178) p. 94, fig. 4 a-e; W. Australia.
1939. *Proisotomurus papillatus* Womersley (2190) p. 147, fig. 52 P-U; W. Australia.
1941. *Proisotomurus papillatus* Salmon (1676) p. 323, figs. 183–184; New Zealand.

Genus: TIBIOLATRA Salmon, 1941 (1676) p. 320.
Type species fixed: *T. latronigra* by Salmon, 1941 (1676) p. 320.

Tibiolatra latronigra Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Tibiolatra latronigra* Salmon (1676) p. 320, Pl. 49, figs. 165–168; New Zealand.

Genus: ACANTHOMURUS Womersley, 1934 (2178) p. 92.
Type species fixed: *A. plumbeus* by Womersley, 1934 (2178) p. 92.

Acanthomurus alpinus Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Acanthomurus alpinus* Salmon (1676) p. 317, Pl. 50, figs. 169–174; New Zealand.
1943. *Acanthomurus alpinus* Salmon (1680) p. 381; North Island, New Zealand.
1944. *Acanthomurus alpinus* Salmon (1683) p. 144; New Zealand.

Acanthomurus alpinus obscuratus Salmon, 1943

TYPE: Dominion Mus., Wellington, New Zealand.
1943. *Acanthomurus alpinus obscuratus* Salmon (1680) p. 381, Pl. 41, fig. 34; New Zealand.

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* This is apparently a reference to a then unpublished MS of Kinoshita. A full description in Japanese accompanied by figures appears in Kinoshita's paper (1178) in 1932. From the figures it is evident that the species possesses the parallel transverse bands of abdominal setae characteristic of the genus *Parafolsomia* and I have transferred Kinoshita's species to this genus.

† I have examined the type series in the Manchester Museum and I am satisfied that this species belongs in the genus *Parafolsomia*.

Acanthomurus plumbeus Womersley, 1934

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Acanthomurus plumbeus* Womersley (2178) p. 92, fig. 3 f-j; W. Australia.
1939. *Acanthomurus plumbeus* Womersley (2190) p. 147, fig. 52 J-O; W. Australia.

Acanthomurus plumbeus lineatus Womersley, 1934

TYPE: Sth. Austr. Mus., Adelaide.
1934. *Acanthomurus plumbeus lineatus* Womersley (2178) p. 93; Tasmania.
1936. *Acanthomurus plumbeus lineatus* Womersley (2182) p. 477; Tasmania.
1939. *Acanthomurus plumbeus lineata* Womersley (2190) p. 147; Tasmania.

Acanthomurus setosus Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Acanthomurus setosus* Salmon (1676) p. 319, Pl. 49, figs. 161–164; New Zealand.
1944. *Acanthomurus setosus* Salmon (1683) p. 144; New Zealand.

Acanthomurus setosus violaceus Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Acanthomurus setosus violaceus* Salmon (1676) p. 320; New Zealand.
1944. *Acanthomurus setosus violaceus* Salmon (1683) p. 144; New Zealand.

Acanthomurus womersleyi Salmon, 1941

TYPE: Dominion Mus., Wellington, New Zealand.
1941. *Acanthomurus womersleyi* Salmon (1676) p. 318, Pl. 50, figs. 175–176; New Zealand.

Genus: AXELSONIA Börner, 1906 (243) p. 159.

Type species fixed: *A. littoralis* (Moniez), by Börner, 1906 (243) p. 159.

Axelsonia australis Bagnall, 1939

1939. *Axelsonia australis* Bagnall (119) p. 102; Synonymy.

Axelsonia littoralis (Moniez) 1890

1890. *Isotoma littoralis* Moniez (1445) p. 324, figs. 17–19; France.
1890. *Isotoma littoralis* Moniez (1443) p. 432: France.
1891. *Isotoma littoralis* Moniez (1447) p. 69; France.
1895. *Isotoma litoralis* Reuter (1643)p. 29; Finland; Sweden; Spitzbergen.
1902. *Isotoma litoralis* Skorikow (1835) p. 92; Spitzbergen.
1921. *Isotoma* (*Moniezina*) *littoralis* Denis (609) pp. 111, 114, fig. 2; Ile de Yeu, France.
1923. *Axelsonia littoralis* Denis (613) p. 57; Nomenclature.
1924. *Axelsonia littoralis* Denis (614) p. 260, fig. 3; France.
1925. *Axelsonia littoralis* Denis (619) p. 145; France.
1925. *Axelsonia littoralis* Handschin (981) p. 166; Morocco.
1925. *Moniezina littoralis* Willem (2136) p. 279; France.
1929. *Axelsonia littoralis* Handschin (1008) p. 60, fig. 105; France; Morocco; Seychelles; Japan; Littoral.
1930. *Axelsonia littoralis* Durkop (707) p. 498; Europe; Japan; Morocco; Seychelles.
1934. *Isotoma littoralis* Perrier (1576) p. 36; France.
1934. *Axelsonia littoralis* Womersley (2177) p. 469; Cosmopolitan; Europe; Madagascar; Morocco.
1934. *Axelsonia littoralis* Womersley (2178) p. 92, T.fig. 3 a-e; Australia.
1938. *Axelsonia littoralis* Denis (665) p. 128; Italy.
1939. *Axelsonia littoralis* Bagnall (119) p. 99; Britain.
1939. *Axelsonia littoralis* Bagnall (120) p. 199; Britain.
1939. *Axelsonia littoralis* Womersley (2190) p. 146, Pl. II, 11–13, fig. 52 H-I; Australia.
1939. *Axelsonia littoralis* Womersley (2190) p. 318; Classification.
1948. *Axelsonia littoralis* Denis (676) p. 219; Indo-China.
1955. *Axelsonia littoralis* Gridelli (938) p. 43; Venice.
1955. *Axelsonia littoralis* Strenzke (1926) p. 45, fig. 18; Europe; North America; Madagascar; Seychelles; Japan; W. Australia.
1955. *Axelsonia littoralis* Strenzke (1927) p. 615.
1955. *Axelsonia littoralis* Yosii (2233) p. 385; Tokara Is.
1957. *Axelsonia littoralis* Schuster (1793) p. 247–; Ecology.
1960. *Isotomurus littoralis* Gisin (2271) p. 213, fig. 387; Europe; North Africa.
1960. *Axelsonia littoralis* Yosii (2408) p. 16; New Caledonia.

Axelsonia nitida (Folsom) 1899

COTYPES: Mus. Comp. Zool., Harvard.
1899. *Isotoma nitida* Folsom (775) p. 264, Pl. I, figs. 14–18; Japan.
1931. *Axelsonia* (*Isotoma*) *nitida* Matsumura and Uchida (1386) p. 5 and fig.; Japan.
1938. *Axelsonia* (*Isotoma*) *nitida* Uchida (2015) p. 8; Japan.
1939. *Axelsonia nitida* Bagnall (119) p. 102; Systematics.
1939. *Axelsonia nitida* Yosii (2223) p. 358; Japan.
1957. *Axelsonia nitida* Uchida (2041) p. 24; Japan.

Axelsonia thalassophila Börner. 1907

TYPE: Brit. Mus. Nat. Hist., London.
1907. *Axelsonia thalassophila* Börner (244) p. 147, figs. 1–7 (p. 149); Madagascar.
1916. *Axelsonia thalassophila* Carpenter (390) p. 32, Pl. XIV, figs. 7–14; Seychelles.
1929. *Axelsonia thalassophila* Handschin (1007) p. 27; Seychelles.
1939. *Axelsonia thalassophila* Bagnall (119) p. 102; Synonymy.
1948. *Axelsonia thalassophila* Delamare Deboutteville (554) p. 38; Madagascar.

Axelsonia tuberifera Strenzke, 1958

1958. *Axelsonia tuberifera* Strenzke (1927) p. 607, figs. 1–9; Brazil.

Genus: ARCHITOMOCERURA Denis, 1931 (639) p. 219.

Type species here designated: *A. crassicauda* Denis.

Architomocerura crassicauda Denis, 1931

1931. *Architomocerura crassicauda* Denis (639) p. 219, figs. 6–12; Germany.
1932. *Architomocerura crassicauda* Mills (1416) p. 265, figs. 9–12; North America.
1933. *Architomocerura crassicauda* Mills and Rolfs (1431) p. 80; Washington.
1934. *Architomocerura crassicauda* Mills (1417) p. 50; Iowa.
1939. *Architomocerura crassicauda* Bagnall (119) p. 100; Britain.
1950. *Architomocerura crassicauda* Wray (2202) p. 6; North Carolina.
1956. *Architomocerura crassicauda* Goto (924) p. 49; Reclassified as immature Tomoceridae.

Architomocerura litsteriana Bagnall, 1940

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1940. *Architomocerura litsteriana* Bagnall (122) p. 173; Britain.
1951. *Architomocerura litsteriana* Goto and Hughes (930) p. 199; Surrey; Add. descr.

1956. *Architomocerura litsteriana* Goto (924) p. 49; Reclassified as immature Tomoceridae.

Genus: AUSTRALOTOMURUS Stach, 1947 (1886) p. 21. Type species fixed: *A. echidnus* (Womersley). by Stach, 1947 (1886) p. 21.

Australotomurus echidnus (Womersley) 1934

TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Isotomurus echidnus* Womersley (2178) p. 96. fig. 4 n-r; Tasmania; South Australia.
1939. *Isotomurus echidnus* Womersley (2190) p. 150. fig. 53 H-I; South Australia; Tasmania.
1947. *Australotomurus echidnus* Stach (1886) p. 21; Systematics.

Genus: ISOTOMURUS Börner, 1903 (329) p. 171.

Type species fixed: *I. palustris* (Müller), by Börner, 1903 (239) p. 171.

Isotomurus Börner, 1903: Placed on Official List of Generic Names, Int. Comm. 1958 (2377) p. 93. Proposed by Gisin, Opinion 291, 1954 (1100) p 103.

Isotomurus A. innominata Kos, 1937

1937. *Isotomurus A innominata* Kos (1195) p. 216, figs. 12, 29, 30, 38–41; Yugoslavia.
1941. *Isotomurus A innominata* Kos (1198) p. 93–; Yugoslavia.
1943. *Isotomina innominata* Strebel (1919) p. 119; Germany.

Isotomurus B. innominata Kos, 1937

1937. *Isotomurus B innominata* Kos (1195) p. 220, figs. 1, 29, 38, 40, 42–44, 45; Yugoslavia.
1941. *Isotomurus B innominata* Kos (1198) p. 93–; Yugoslavia.

Isotomurus alticolus (Carl) 1899

TYPE: Mus. Hist. Natur., Geneva.
1899. *Isotoma alticola* Carl (352)p. 305, figs. 37–39; Switzerland.
1901. *Isotoma alticola* Carl (354) p. 262; Switzerland.
1919. *Isotomurus alticolus* Handschin (977) p. 79, Pl. I, figs. 16–19, 23, 24; Diagnosis; Switzerland.
1921. *Isotomurus alticolus* Kreis (1207) p. 277; Systematics.
1924. *Isotomurus alticolus* Handschin (981) p. 121; Switzerland.
1929. *Isotomurus alticolus* Handschin (1008) p. 74; Alps; Europe.
1931. *Isotomurus alticolus* Bonet (205) p. 382; Europe, in caves.
1931. *Isotomurus alticolus* Bonet (206) p. 97, fig. 2; Italy; Add. descr.
1939. *Isotomurus alticolus* Bagnall (119) p. 100; Britain.
1939. *Isotomurus alticolus* Strouhal (1931) p. 263; Ecology.
1940. *Isotomurus alticolus* Strouhal (1932) p. 418–; Ecology.
1946. *Isotomurus alticolus* Stach (1883) p. 6, Pls. II and III; Caves in Alps and E. Carpathian Mts.
1947. *Isotomurus alticolus* Stach (1886) p. 465, Pls. L and LI; E. Carpathian Mts.
1949. *Isotomurus alticolus* Janetschek (1127) pp. 42, 135–143; Ecology.
1951. *Isotomurus alticolus* Stach (1889) p. 89, fig. 49; Poland.
1952. *Isotomurus alticolus* Aellen (31) p. 145; Switzerland.
1954. *Isotomurus alticolus* Cassagnau (418) p. 624; Pyrenees.
1955. *Isotomurus alticolus* Stach (1893) p. 141, figs. 418–422; Europe.
1958. *Isotomurus alticolus* Murphy (2310) p. 679; Swiss and French Alps; Algeria.
1958. *Isotomurus alticolus* Nosek (1503) p. 358; Czechoslovakia.
1960. *Isotomurus alticola* Gisin (2271) p. 214, fig. 389; Europe.
1960. *Isotomurus* (*Isotomurus*) *alticolus* Grindbergs (2373), p. 46; U.S.S.R.

Isotomurus alticolus japonicus Yosii, 1956

1956. *Isotomurus alticolus japonicus* Yosii (2235) p. 64, Pl. XXXVI, figs. 213–216; Japan.

Isotomurus antennalis Bagnall, 1940

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1940. *Isotomurus antennalis* Bagnall (121) p. 101; Britain.
1947. *Isotomurus antennalis* Stach (1886) p. 450; Britain.
1958. *Isotoma antennalis* Murphy (2310) p. 677, figs. 1–9; Britain.
1959. *Isotomurus antennalis* Da Gama (494) p. 32; Madeira.
1960. *Isotomurus antennalis* Gisin (2271) p. 210; England.

Isotomurus bemakus Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1952. *Isotomurus bemakus* Wray (2204) p. 102, figs. 46–47; U.S.A.

Isotomurus chiltoni (Carpenter) 1925

1925. *Isotoma chiltoni* Carpenter (395) p. 9, figs. 26–28; New Zealand.
1934. *Isotomurus chiltoni* Womersley (2178) p. 94, T. fig. 4 i-m; Australia; Amended descr.
1936. *Isotomurus chiltoni* Womersley (2183) p. 321; New Zealand.
1938. *Isotomurus chiltoni* Norris (1501) p. 22, fig. 9; Ecology; Australia.
1939. *Isotomurus chiltoni* Womersley (2190) p. 149, fig. 53 C-G; Australia.
1941. *Isotomurus chiltoni* Salmon (1676) p. 324, figs. 187–188; New Zealand.
1947. *Isotomurus chiltoni* Stach (1886) p. 449; in key; New Zealand; Australia.

Isotomurus ciliatus Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Isotomurus ciliatus* Stach (1886) p. 476, Pl. LIII, figs. 1–10; Poland; Ukraine; Hungary.
1951. *Isotomurus ciliatus* Stach (1889) p. 92, fig. 52; Poland; Ukraine; Norway.
1955. *Isotomurus ciliatus* Stach (1893) p. 138, figs. 403–412; Poland; Ukraine; Norway.
1960. *Isotomurus ciliatus* Gisin (2271) p. 213, fig. 388; Poland; Russia; Hungary.
1960. *Isotomurus* (*Isotomurus*) *ciliatus* Grindbergs (2373) p. 45; U.S.S.R.

Isotomurus denticulatus Kos, 1937

1937. *Isotomurus denticulatus* Kos (1195) p. 192, figs. 1, 4, 7, 13–14, 15–20, 29, 34; Yugoslavia.
1941. *Isotomurus denticulatus* Kos (1198) p. 93–; Yugoslavia.
1947. *Isotomurus denticulatus* Stach (1886) p. 451; East Julic Alps.

Isotomurus lateclavus Kos, 1937

1937. *Isotomurus lateclavus* Kos (1195) p. 208, figs. 15, 27–37; Yugoslavia.
1941. *Isotomurus lateclavus* Kos (1198) p. 93–; Yugoslavia.

1947. *Isotomurus lateclavus* Stach (1886) p. 451; East Julic Alps.
1960. *Isotomurus lateclavus* Gisin (2271) p. 215; Yugoslavia.

Isotomurus maculatus (Schäffer) 1896

1896. *Isotoma palustris maculata* Schäffer (1735) p. 186; Germany.
1901. *Isotoma maculata* Börner (234) p. 51; Germany.
1910. *Isotomurus maculatus* Collinge and Shoebotham (472) p. 113; England.
1937. *Isotomurus maculatus* Kos (1195) p. 185, figs. 1, 7, 11, 12, 23, 29; Yugoslavia; Polymorphism.
1941. *Isotomurus maculatus* Kos (1198) p. 93–; Yugoslavia; Polymorphism.
1948. *Isotomurus maculatus* Franz and Beier (821) p. 452–; Ecology, Austria.

Isotomurus obscurus Carpenter, 1916

LECTOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1916. *Isotomurus obscurus* Carpenter (390) p. 34, Pl. XIV, figs. 15–19; Seychelles.
1929. *Isotomurus obscurus* Handschin (1007) p. 27; Seychelles.
1934. *Isotomurus obscurus* Womersley (2177) p. 469; Seychelles.

Isotomurus palliceps (Uzel) 1890

1890. *Isotoma palliceps* Uzel (2050) p. 65, Pl. II, 11–13; Czechoslovakia.
1903. *Isotoma palliceps* Diem (688) p. 358; Ecology.
1908. *Isotoma palliceps* Schille (1755) p. 8; Poland.
1912. *Isotoma palliceps* Schille (1756) p. 8; Galizien.
1930. *Isotomurus palliceps* Stach (1869) p. 292; Germany.
1937. *Isotomurus denticulatus* Kos (1195) p. 192, figs. 13–14; Yugoslavia; cf. Gisin (872).
1937. *Isotomurus viridipalustris* Kos (1195) p. 182, figs. 8–10; Yugoslavia; cf. Gisin (872).
1937. *Isotomurus palliceps* Kos (1195) p. 199, figs. 12, 18, 19, 21; Yugoslavia; cf. Gisin (872).
1938. *Isotomurus paliceps* Kseneman (1220) p. 16; Czechoslovakia.
1941. *Isotomurus palliceps* Kos (1198) p. 93–; Yugoslavia.
1949. *Isotomurus palliceps* Gisin (872) p. 409; Europe.
1947. *Isotomurus palliceps* Stach (1886) p. 471, Pl. LII; Poland; Slovakia; West Ukraine; Styria; Austria.
1949. *Isotomurus palliceps* Janetschek (1127) pp. 42, 135–143; Ecology.
1951. *Isotomurus palliceps* Stach (1889) p. 89, fig. 50; Poland, Alps.
1955. *Isotomurus palliceps* Stach (1893) p. 144, figs. 432–442; Poland, Alps.
1958. *Isotomurus palliceps* Murphy (2310) p. 679; Europe.
1959. *Isotomurus palliceps* Stach (1896) p. 38; Poland.
1960. *Isotomurus palliceps* Gisin (2271) p. 215; Europe.
1960. *Isotomurus* (*Isotomurus*) *palliceps* Grindbergs (2373) p. 47; U.S.S.R.

Isotomurus palustris (Müller) 1776

1740. *Podura aquatica cinerea* De Geer (529) p. 63; Europe.
1740. *Podura aquatica cinerea* De Geer (530) p. 278; Europe.
1776. *Podura aquatilis* Müller (1470) p. 183; Denmark; cf. Lubbock (1318).
1776. *Podura palustris* Müller O.F. (1470) p. 184; Denmark; cf. Börner (234).
1778. *Podura aquatica cinerea* De Geer (532) p. 28; Europe.
1789. *Podura aquatica grisea* De Villers (2059) p. 10; Europe.
1793. *Podura palustris* Gmelin (910) p. 2911; Europe.
1834. *Podura stagnorum* Templeton (1957) p. 96, Pl. XII, fig. 4; cf. Stach (1886).
1835. *Podura stagnorum* Templeton (1957) p. 89–; Ireland.
1839. *Isotoma bifasciata* Bourlet (259) p. 401; France; cf. Tullberg (2003).
1839. *Isotoma trifasciata* Bourlet (259) p. 401; France; cf. Tullberg (2003).
1839. *Podura grisea* Burmeister (339) p. 448; Europe.
1841. *Podura palustris* Bourlet (261) p. 117; Europe.
1842. *Oetheocerus aquaticus* Bourlet (265) p. 22; Europe.
1842. *Podura palustris* Bourlet (265) p. 26; Europe.
1842. *Desoria riparia* Nicolet (1493) p. 62, Pl. 6, fig. 6; Switzerland; cf. Tullberg (2003).
1844. *Desoria riparia* Gervais (841) p. 430; Switzerland.
1844. *Oetheocerus aquaticus* Gervais (841) Pl. XLVII; Europe.
1844. *Isotoma palustris* Lucas (1327) p. 291; References.
1844. *Podura stagnorum* Lucas (1327) p. 290; References.
1845. *Podura palustris* Bourlet (266) p. 67; Europe.
1845. *Podura riparia* Bourlet (266) p. 67; Europe.
1847. *Isotoma bifasciata* Nicolet (1496) p. 374; France.
1847. *Isotoma riparia* Nicolet (1496) p. 373; Classification.
1868. *Isotoma trifasciata* Lubbock (1316) p. 299; Europe.
1871. *Isotoma palustris riparia* Tullberg (2002) p. 151; Sweden.
1872. *Isotoma palustris* Tullberg (2003) p. 45, Pl. IX, figs. 1–8; Sweden.
1873. *Isotoma aquatilis* Lubbock (1318) p. 170, *ad partem*, Pl. XXXVII; Sweden; Switzerland; France; England.
1873. *Isotoma palustris* Lubbock (1318) p. 169; Sweden; France; England; Ireland; Synonymy.
1873. *Isotoma tricolor* Packard (1521) p. 34; Massachusetts; Anatomy of brain and origin of blind species; cf. Womersley (2177).
1876. *Isotoma palustris* Reuter (1628) p. 82; Finland.
1876. *Isotoma stuxbergii* Tullberg (2004) p. 35; Boreal; cf. Womersley (2177).
1879. *Isotoma aquatilis* Parona (1557) p. 600; Italy.
1880. *Isotoma palustris* Reuter, L. and O.M. (1627) p. 207; Scotland.
1880. *Isotoma palustris* Reuter (1629) p. 207; Shetland and Orkney Is.
1882. *Isotoma aquatilis* Parona (1558) p. 463; Tunis.
1882. *Isotoma palustris* Tomosvary (1983) p. 124; Hungary.
1883. *Isotoma palustris* Reuter (1634) p. 75; Finland.
1885. *Isotoma palustris* Parona (1560) p. 45; Sardinia.
1887. *Isotoma palustris* Oudemans (1510) p. 98; Holland.
1887. *Isotoma palustris* Stuxberg (1936) p. 42; Novaya Zemlya.
1888. *Isotoma palustris* Dalla Torre (497) p. 156; Tyrol.
1888. *Isotoma palustris* Oudemans (1511) p. 147–; Systematics.
1889. *Isotoma palustris* Moniez (1440) p. 261; France, walls and gardens.
1889. *Isotoma tullbergi* Moniez (1441) p. 28; Description; France; Siberia; Novaya Zemlya; cf. Handschin (1008).
1890. *Isotoma palustris* Reuter (1638) p. 20; Finland, flowerpots; Systematics.

1890. *Isotoma palustris* Uzel (2050) p. 62; Czechoslovakia.
1891. *Isotoma tricolor* MacGillivray (1341) p. 274; *ad partem;* North America.
1891. *Isotoma stuxbergi* Moniez (1447) p. 70; France.
1891. *Isotoma palustris* Parfitt (1550) p. 342; England.
1891. *Isotoma palustris* Reuter (1641) p. 228; Siberia.
1891. *Isotoma palustris* Schött (1762) p. 22; California.
1891. *Isotoma palustris* Uzel (2050) p. 62; Bohemia.
1891. *Isotoma palustris* Uzel (2051) p. 920; Heligoland.
1893. *Isotoma palustris* Schött (1765) p. 63, Pl. V, figs. 6–10, Pl. VI, figs. 3–5; Discussion and Distribution; Sweden.
1894. *Isotoma palustris* Schött (1765) p. 63, Pl. V, figs. 6–10, Pl. VI, figs. 3–5; Systematics.
1895. *Isotoma palustris* Dalla Torre (498) p. 10; Systematics.
1895. *Isotoma palustris* Miall (1405) p. 366; Natural History.
1895. *Isotoma palustris* Parona (1565) p. 699; Argentina.
1895. *Isotoma palustris* Reuter (1643) p. 26; Finland; Europe; Siberia; Azores; California.
1896. *Isotoma palustris* Lie-Pettersen (1281) p. 17; Norway.
1896. *Isotoma aequalis* MacGillivray (1345) p. 49; Ohio; cf. Womersley (2177).
1896. *Isotoma palustris* MacGillivray (1345) p. 48; Europe; Asia; Africa; North America.
1896. *Isotoma tricolor* MacGillivray (1345) p. 48; Texas.
1896. *Isotomurus maculatus* Schäffer (1734) p. 139; Europe; cf. Gisin (851).
1896. *Isotoma palustris* Schäffer (1735) p. 186; Germany.
1896. *Isotoma palustris* Schött (1769) p. 184; North America.
1896. *Isotoma janthina* Vogler (2065) p. 3; Switzerland; cf. Carl (352).
1897. *Isotoma palustris* Poppe and Schäffer (1607) p. 268; Germany.
1897. *Isotoma palustris* Schäffer (1735) p. 186, fig. 82; Discussion; Germany.
1898. *Isotoma palustris* Lie-Pettersen (1282) p. 13; Norway.
1898. *Isotoma palustris* Schäffer (1737) p. 401; Europe; Asia; North America; Africa; Bismark Archipelago.
1898. *Isotoma palustris* Scherbakow (1750) p. 58; Kiev.
1898. *Isotoma palustris* Scherbakow (1751) p. 7; Kiev.
1899. *Isotoma palustris* Carl (351) p. 95; France.
1899. *Isotoma palustris* Carl (352) p. 311; Switzerland.
1899. *Isotoma palustris* Carpenter and Evans (402) p. 247; Edinburgh District.
1900. *Isotoma palustris* Schäffer (1738) p. 246; Novaya Zemlya; N.W. Siberia; Europe; Azores; North America.
1900. *Isotoma palustris* Schäffer (1739) p. 256; Germany.
1900. *Isotoma palustris* Skorikow (1833) p. 198; Spitzbergen.
1900. *Isotoma palustris* Vellay (2056) p. 20; Hungary.
1900. *Isotoma palustris* Wahlgren (2077) p. 374; Novaya Zemlya.
1901. *Isotoma palustris* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma palustris* Absolon (12) p. 108; Systematics.
1901. *Isotoma palustris* Börner (234) p. 50, fig. 23; Central Europe.
1901. *Isotoma palustris* Börner (235) p. 105, fig. 13; Systematics.
1901. *Isotoma palustris* Boyd (268) p. 317; Scotland.
1901. *Isotoma palustris* Carl (354) p. 262; Switzerland.
1901. *Isotoma palustris* Evans (739) p. 156; Scotland.
1901. *Isotoma palustris* Evans (740) p. 153; Scotland.
1901. *Isotoma palustris* Krausbauer (1204) p. 66; Germany.
1902. *Isotoma palustris* Becker (158) p. 26; Russia.
1902. *Isotoma palustris* Börner (235) p. 105; Systematics.
1902. *Isotoma palustris* Krausbauer (1205) p. 40; Germany.
1902. *Isotoma palustris* Schött (1772) p. 22; Sweden.
1902. *Isotoma palustris* Skorikow (1835) p. 92; Spitzbergen.
1903. *Isotoma palustris* Ågren (55) p. 132; Sth. Sweden.
1903. *Isotomurus palustris* Börner (239) p. 171; Systematics.
1903. *Isotoma palustris* Diem (688) p. 357; Ecology.
1903. *Isotoma palustris* Guthrie (951) p. 70, Pl. IX, 8–10; Description, Minnesota.
1904. *Isotoma palustris* Carpenter (373) p. 198; Glencar, Ireland.
1905. *Isotoma palustris* Axelson (81) p. 35; Tvärminne, Finland.
1905. *Isotomurus palustris* Axelson (81) p. 35; Finland.
1905. *Isotoma palustris* Philiptschenko (1586) p. 3; Russia.
1906. *Isotomurus palustris* Axelson (82) p. 16; Russia.
1906. *Isotomurus palustris* Börner (243) p. 173; Systematics.
1906. *Isotomurus palustris* Lie-Pettersen (1284) p. 65; Norway.
1906. *Isotomurus palustris* Navas (1483) p. 156–; Spain; Portugal.
1906. *Isotoma palustris* Wahlgren (2080) p. 255, fig. 20-d; Sweden.
1907. *Isotomurus palustris* Axelson (83) p. 131; Finland.
1907. *Isotoma palustris* Latzel (1248) p. 151; Austria.
1907. *Isotoma palustris* Lie-Pettersen (1284) p. 65; Norway.
1909. *Isotoma palustris* Shoebotham (1818) p. 58; General Economics.
1910. *Isotomurus palustris* Collinge (464) p. 11; England.
1910. *Isotomurus palustris* Collinge and Shoebotham (472) p. 112; England.
1910. *Isotomurus palustris* Theobald (1964) p. 184–; General Economics.
1911. *Isotomurus palustris* Axelson (1291) p. 19; Norway.
1912. *Isotomurus palustris* Axelson (1292) p. 186; Finland.
1912. *Isotoma palustris* Dahl (496) p. 422; Ecology.
1912. *Isotomurus palustris* Imms (1090) p. 93, Pl. 6, fig. 15, Pl. 7, figs. 21–22; Calcutta.
1912. *Isotoma palustris* Schille (1756) p. 8; Poland.
1912. *Isotoma palustris* Schille (2394) p. 127; Poland.
1913. *Isotomurus palustris* Carpenter (388) p. 7; Clare I.
1914. *Isotoma palustris* Bacon (94) p. 153, Pl. II, figs. 8-10; California.
1914. *Isotomurus palustris* Shoebotham (1820) p. 62; Ireland.
1914. *Isotoma palustris* Shoebotham (1821) p. 99; Collection and preservation.
1916. *Isotomurus palustris* Bartholin (149) p. 189; Denmark.
1916. *Isotomurus palustris* Carr (407) p. 64; England.

1917. *Isotomurus palustris* Shoebotham (1823) p. 221; England.
1918. *Isotomurus palustris* Brown (296) p. 186; England.
1918. *Isotoma palustris* Henriksen and Lundbeck (1044) p. 737; Greenland.
1919. *Isotoma palustris* Folsom (791) p. 11, Pl. 6, figs. 53–57; Description; Arctic.
1919. *Isotoma palustris* Folsom (791) p. 11A, figs. 56–57; Arctic Canada.
1919. *Isotomurus palustris* Handschin (977) p. 79; Switzerland; Europe; Siberia; North America.
1919. *Isotomurus palustris* Linnaniemi (1293) p. 8; Arctic Urals.
1919. *Isotoma palustris* McNamara (1360) p. 241; Remarks.
1919. *Isotomurus palustris* Wahlgren (2089) p. 751; Sweden.
1920. *Isotomurus palustris* Morris (1454) p. 147; Ecology.
1921. *Isotomurus palustris* Brown (300) p. 129; Swarming.
1921. *Isotomurus palustris* Brown (301) p. 143; Isle of Wight.
1921. *Isotomurus palustris* Denis (607) p. 126; France.
1921. *Isotomurus palustris* Stach (1859) p. 164; Poland.
1922. *Isotomurus palustris* Denis (609) p. 111; Isle de Yeu, France.
1922. *Isotomurus palustris* Latzel (1250) p. 60; Austria, Alps.
1922. *Isotomurus palustris* Morris (1456) p. 288; Ecology.
1922. *Isotomurus palustris* Stach (1860) p. 23; Hungary.
1922. *Isotomurus palustris* Stach (1861) p. 117; Albania.
1923. *Isotomurus palustris* Stach (1863) p. 10; Germany.
1923. *Isotomurus palustris* Womersley (2147) p. 33; S.W. England.
1924. *Isotomurus palustris* Denis (614) p. 292; France.
1924. *Isotomurus palustris* Denis (616) p. 232; Polynesia.
1924. *Isotomurus palustris* Handschin (981) p. 121; Switzerland.
1924. *Isotomurus palustris* Handschin (983) p. 85; Ecology.
1924. *Isotomurus palustris* Thompson (1970) p. 361; Ecology.
1925. *Isotomurus palustris* Denis (617) p. 211; Italy.
1925. *Isotomurus palustris* Denis (621) p. 285; Mangareva Is.
1925. *Isotomurus palustris* Handschin (986) p. 232; Germany.
1925. *Isotomurus palustris* Willem (2137) p. 630–, fig. 3; Biology.
1926. *Isotomurus palustris* Brown (305) p. 206; Mesopotamia.
1926. *Isotomurus palustris* Handschin (988) p. 42; Europe.
1926. *Isotomurus palustris* Stirnimann (1907) p. 252; Ecology.
1927. *Isotomurus palustris* Denis (629) p. 196; Italy.
1927. *Isotomurus palustris* Handschin (997) p. 110; Costa Rica.
1927. *Isotomurus palustris* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Isotomurus palustris* Morris (1457) p. 447; Ecology.
1927. *Isotomurus palustris* Womersley (2154) p. 377; S.W. England.
1928. *Isotomurus palustris* Handschin (1002) p. 542; Mexico.
1928. *Isotomurus palustris* Handschin (1003) p. 129; East Prussia.
1928. *Isotomurus palustris* Handschin (1005) p. 6; Algeria.
1928. *Isotomurus palustris* Jackson (1121) p. 302; England.
1928. *Isotomurus palustris* Womersley (2154) p. 377; S.W. England.
1929. *Isotomurus palustris* Brown (308) p. 111; Ecology (freshwater Collembola).
1929. *Isotomurus palustris* Denis (635) p. 136; Italy.
1929. *Isotomurus palustris* Edwards (715) p. 310–; Ecology.
1929. *Isotomurus palustris* Handschin (1008) p. 72, figs. 129–132; Cosmopolitan.
1929. *Isotoma palustris* Kel'schtein (1160) p. 246; Russia.
1929. *Isotomurus palustris* Stach (1871) p. 273; Germany.
1930. *Isotomurus palustris* Buitendijk (334) p. 61; Holland.
1930. *Isotomurus palustris* Mills (1414) p. 392.
1930. *Isotomurus palustris* Stach (1869) p. 291; Cosmopolitan.
1930. *Isotomurus palustris* Stach (1870) p. 60; Spain.
1930. *Isotomurus palustris* Womersley (2168) p. 183; Ireland.
1931. *Isotomurus palustris* Bonet (205) p. 311; Add. descr.; Spain; Cosmopolitan.
1931. *Isotomurus palustris* Bonet (205) p. 382; Spain and Czechoslovakia in caves.
1931. *Isotomurus palustris* Denis (638) p. 130; Costa Rica.
1931. *Isotomurus palustris* Denis (639) p. 218; Germany.
1932. *Isotomurus palustris* Krogerus (1210) p. 93; Finland.
1932. *Isotomurus palustris* Kseneman (1211) p. 18, figs. 20–22; Czechoslovakia.
1932. *Isotomurus palustris* Stammer (1897) p. 611–; Ecology.
1933. *Isotomurus palustris* Bonet (209) p. 132; Argentina.
1933. *Isotomurus palustris* Davidson and Swan (511) p. 351; Collecting technique.
1933. *Isotomurus palustris* Folsom (802) p. 937; Agric. pest.
1933. *Isotoma palustris* James (1124) p. 97; Canada.
1933. *Isotomurus palustris* Mills and Rolfs (1431) p. 80; Washington.
1933. *Isotomurus palustris* Schubert (1787) p. 192; Ecology.
1933. *Isotomurus palustris* Turk (2007) p. 94; Britain.
1934. *Isotomurus palustris* Agrell (37) p. 226; Ecology, Sweden.
1934. *Isotomurus palustris* Davies (522) p. 121; Wales.
1934. *Isotomurus palustris* Durkop (707) p. 504, fig. 7; Scandinavia; Germany.
1934. *Isotomurus palustris* Mills (1417) p. 54, figs. 97–98; Iowa.
1934. *Isotoma palustris* Perrier (1576) p. 36; France.
1934. *Isotomurus palustris* Schubert (1788) p. 528; in a marsh.
1934. *Isotomurus palustris* Womersley (2177) pp. 454, 469; Synonymy; Cosmopolitan; Europe; South Africa; Tunis.
1934. *Isotomurus palustris* Womersley (2178) p. 94, T. fig. 4 f-g; Descr., Australia.
1935. *Isotomurus palustris* Carpenter (400) p. 371; Marquesas; Hawaii.
1935. *Isotomurus palustris* Denis (652) p. 330; Yugoslavia.

1935. *Isotomurus palustris* Schubert (1790) p. 94; Europe.
1935. *Isotomurus palustris* Schubert (1791) p. 106–, p. 216–, p. 231, p. 366–; Germany; Poland.
1936. *Isotomurus palustris* Brown (314) p. 614; Lapland.
1936. *Isotomurus palustris* Pax and Maschke (1574) p. 147–; Ecology.
1937. *Isotomurus palustris* Drenowski (695) p. 3; Bulgaria.
1937. *Isotomurus palustris* Folsom (806) p. 72, Pl. 25, fig. 281, Pl. 26, figs. 284–290; North America; Descr. and distribution.
1937. *Isotomurus palustris* Henriksen (1043) p. 5; Färoes; Distribution.
1937. *Isotomurus palustris* Hesse etc. (1052) p. 498; Ecology.
1937. *Isotomurus maculatus* Kos (1195) p. 185, figs. 11–12; Systematics.
1937. *Isotomurus palustris* Kos (1195) p. 169, figs. 1–6, 11, 14, 15, 29; Systematics; Yugoslavia.
1937. *Isotomurus palustris* Schubert (1792) p. 127; Cosmopolitan.
1938. *Isotomurus palustris* Denis (665) p. 127; Italy.
1938. *Isotomurus palustris* Kseneman (1220) p. 16; Cosmopolitan.
1939. *Isotomurus palustris* Agrell (41) p. 2; Cosmopolitan; Madeira Is.
1939. *Isotomurus palustris* Bueker (332) p. 20, figs 22–28; St Louis, U.S.A.
1939. *Isotomurus palustris* Imms (1095) p. 291, fig. 13; Morphology.
1939. *Isotomurus palustris* Mills (1422) p. 161; North America.
1939. *Isotomurus palustris* Womersley (2190) p. 148, fig. 53 A-B; Australia and Tasmania.
1941. *Isotomurus palustris* Buitendijk (336) p. 50, figs. 13, 14; Netherlands; Cosmopolitan.
1941. *Isotomurus palustria* Kos (1198) p. 92; Yugoslavia.
1942. *Isotomurus palustris palustris* Brimley (276) p. 4; North Carolina.
1942. *Isotomurus palustris* Caspers (408) p. 150; Helgoland.
1942. *Isotoma palustris* Essig (733) p. 82; Habitat.
1942. *Isotomurus palustris* Gisin (851) p. 296.
1942. *Isotomurus palustris* Handschin (1012) p. 445; Mesopotamia.
1942. *Isotomurus palustris* Marlier (1375) p. 9; Belgium.
1942. *Isotomurus palustris* Miles (1409) p. 16; Oxford, England.
1942. *Isotomurus palustris* Scott (1796) p. 179; West U.S.A.
1942. *Isotomurus palustris* Tahvonen (1949) p. 204–; Finland.
1942. *Isotomurus palustris* Womersley (2193) p. 25; Australia; New Zealand.
1943. *Isotomurus palustris* Agrell (47) p. 125; Sweden.
1943. *Isotomurus palustris* Gisin (853) p. 167; Switzerland.
1943. *Isotomurus palustris* Uchida (2020) p. 14; Japan; Holarctic Region; Bismark Arch.; Argentina; Costa Rica; Mexico.
1944. *Isotoma palustris* Colas (456) p. 37, figs. 193, 194.
1947. *Isotomurus palustris* Stach (1886) p. 452, Poland; Distribution.
1948. *Isotomurus palustris* Gisin (867) p. 80; Switzerland.
1948. *Isotomurus palustris* Jones (1142) p. 59; Wales.
1948. *Isotoma palustris* Spencer (1851) p. 22; Canada.
1948. *Isotomurus palustris* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Isotomurus palustris* Caspers (409) p. 43; Ecology.
1949. *Isotomurus palustris* Jones (1143) p. 82; Wales.
1949. *Isotomurus palustris* Judd (1152) p. 1–; Ontario.
1949. *Isotomurus palustris* Kenk (1162) p. 52; Michigan.
1949. *Isotomurus palustris* Strenzke (1922) p. 207; Germany, Ecology.
1950. *Isotomurus palustris* Delamare Deboutteville (570) p. 281; Europe.
1950. *Isotomurus palustris* Kinoshita and Uchida (1179) p. 15 and fig.; Japan.
1950. *Isotomurus palustris* Wray (2216) p. 62; Utah.
1951. *Isotomurus palustris* Cassagnau and Delamare Deboutteville (593) p. 2; Mid France.
1951. *Isotomurus palustris* Delamare Deboutteville and Cassagnau (593) p. 401; France.
1951. *Isotomurus palustris* Engelhardt (729) p. 48; Ecology.
1951. *Podura palustris* Gisin (878) p. 56; Nomenclature.
1951. *Isotomurus palustris* Maynard (1393) p. 122, Pl. XII, 220, 221, Pl. XVI, 257; Description, New York.
1951. *Isotomurus palustris* Praport (1610) p. 142; Poland.
1951. *Isotomurus palustris* Schaller (1746) p. 465; Ecology.
1951. *Isotomurus palustris* Stach (1889) p. 88, fig. 1-B; Poland.
1951. *Isotomurus palustris* Wilket (2120) p. 79; Colorado.
1952. *Isotomurus palustris* Baudissin (152) p. 56–; Ecology.
1953. *Isotomurus palustris* Goto (916) p. 181; Morphology, Britain.
1953. *Isotomurus palustris* Hammer (972) p. 53; Nth. Canada; Alaska.
1953. *Isotomurus palustris* Weidner (2108) p. 34; Central Europe.
1953. *Isotomurus palustris* Yosii (2229) p. 67; Japan.
1954. *Isotomurus palustris* Bellinger (174) p. 22; Connecticut.
1954. *Podura* (*Isotomurus*) *palustris* Int. Comm. (1100) p. 106; Nomenclature.
1954. *Isotomurus palustris* Strenzke (1925) p. 57; Germany; Finland.
1954. *Isotomurus palustris* Trave (2000) p. 209; France.
1955. *Isotomurus palustris* Chopard (434) p. 20; France.
1955. *Isotomurus palustris* Goto (921) p. 268; Britain.
1955. *Isotomurus palustris* Gridelli (938) p. 42; Venice.
1955. *Isotomurus palustris* Stach (1893) p. 144, figs. 423–431; Cosmopolitan.
1955. *Isotomurus palustris* Strenzke (1926) p. 44; Cosmopolitan.
1955. *Isotomurus palustris* Uchida (2034) p. 200; Japan.
1956. *Isotomurus palustris* Bockemuhl (193) p. 142; Spitzbergen.
1956. *Isotomurus palustris* Husmann (1084) p. 146; Germany.
1956. *Isotomurus palustris* Paclt (1540) p. 355; Europe.
1956. *Isotomurus palustris* Paclt (1541) p. 85–.
1956. *Isotomurus palustris* Wray and Knowlton (2214) p. 3; Idaho.
1957. *Isotomurus palustris* Gunhold (2280) p. 467; Ecology.
1957. *Isotomurus palustris* Haarlov (2821) p. 12; Denmark, habitat.
1957. *Isotomurus palustris* Strebel (1920) p. 470.
1957. *Isotomurus palustris* Uchida (2042) p. 42; Japan.

1958. *Isotomurus palustris* Christiansen (2264) p. 79; Lebanon.
1958. *Isotomurus palustris* Grindbergs (2275) p. 11; Latvia.
1958. *Isotomurus palustris* Grindbergs (2276) p. 75; Latvia.
1958. *Isotomurus palustris* Holler-Land (2283) p. 110; Ecology.
1958. *Podura* (*Isotomurus*) *palustris* Int. Comm. (2378) p. 25; Nomenclature.
1958. *Isotomurus palustris* Miles (1412) p. 638; Wales.
1958. *Isotomurus palustris* Mrohs (1463) p. 331; Ecology.
1958. *Isotomurus palustris* Salmon (1718) p. 708; New Zealand.
1958. *Isotomurus palustris* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1958. *Isotomurus palustris* von Torne (1993) p. 668; Austria.
1959. *Isotomurus palustris* Da Gama (494) p. 32; Madeira.
1959. *Isotomurus palustris* Franz and Gunhold etc. (2369) p. 50; Communities.
1959. *Isotomurus palustris* Jeannenot (2287) p. 1–; Systematics.
1959. *Isotomurus palustris* Paclt (2316) p. 44; South Africa.
1959. *Isotomurus palustris* Paclt (2317) p. 340; Czechoslovakia.
1959. *Isotomurus palustris* Palissa (2319) p. 278–; Ecology.
1959. *Isotoma* (*Isotomurus*) *palustris* Poole (1604) p. 72–; Food of Collembola.
1959. *Isotomurus palustris* Stach (1896) p. 37; Poland.
1959. *Isotomurus palustris* Steiner (2343) p. 463; Spain.
1959. *Isotomurus palustris* Wilkey (2350) p. 223; California.
1960. *Isotomurus palustris* Bödvarsson (2412) p. 174; Färoes.
1960. *Isotomurus palustris* Gisin (2271) p. 214, figs. 45, 390; Europe.
1960. *I.* (*Isotomurus*) *palustris* Grindbergs (2373) p. 46; U.S.S.R.
1960. *Isotomurus palustris* Paclt (2391) p. 157; Hungary.
1960. *Isotomurus palustris* Palissa (2319) p. 382; Systematics and Ecology.

Isotomurus palustris aquatilis (Müller), 1776

1776. *Podura palustris aquatilis* Müller (1470) p. 183–; Denmark.
1839. *Isotoma palustris trifasciata* Bourlet (259) p. 388–; Europe; cf. Stach (1886) p. 459.
1893. *Isotoma palustris* var. *aquatilis* Schött (1765) p. 65, Pl. V, fig. 7; Sweden.
1896. *Isotoma palustris aquatilis* MacGillivray (1345) p. 48; Europe.
1898. *Isotoma palustris aquatilis* Scherbakow (1750) p. 58; Kiev, Russia.
1899. *Isotoma palustris aquatilis* Carl (352) p. 312; Switzerland.
1899. *Isotoma palustris aquatilis* Carpenter and Evans (402) p. 247; Scotland.
1901. *Isotoma palustris aquatilis* Börner (234) p. 50; Germany.
1903. *Isotoma palustris aquatilis* Ågren (55) p. 133; Sweden.
1905. *Isotoma palustris aquatilis* Axelson (81) p. 35; Tvärminne, Finland.
1906. *Isotomurus palustris aquatilis* Axelson (82) p. 16; Russia.
1906. *Isotoma palustris aquatilis* Navas (1483) p. 164; **Spain.**
1919. *Isotomurus palustris aquatilis* Axelson (1293) p. 8; Arctic Urals.
1922. *Isotomurus palustris aquatilis* Morris (1456) p. 293; Ecology.
1922. *Isotomurus palustris aquatilis* Stach (1860) p. 24; Hungary.
1930. *Isotomurus palustris aquatilis* Stach (1869) p. 292; Cosmopolitan.
1933. *Isotomurus palustris aquatilis* Turk (2007) p. 94; Britain.
1947. *Isotomurus palustris aquatilis* Stach (1886) p. 459; Europe.

Isotomurus palustris balteatus (Reuter) 1876

1876. *Isotoma balteata* Reuter (1628) p. 82; Finland.
1894. *Isotoma palustris balteata* Schött (1765) p. 66, Pl. V, fig. 10; Scandinavia.
1895. *Isotoma palustris balteata* Dalla Torre (498) p. 10; Classification.
1895. *Isotoma palustris balteata* Reuter (1643) p. 26; Finland.
1896. *Isotoma palustris balteata* MacGillivray (1345) p. 48; Boreal Europe.
1896. *Isotoma palustris balteata* Schäffer (1735) p. 186; European Alps.
1896. *Isotoma palustris balteata* Schött (1769) p. 184; California; Finland.
1898. *Isotoma palustria balteata* Schäffer (1737) p. 402; Bismark Archipelago.
1898. *Isotoma palustris balteata* Scherbakow (1750) p. 58; Kiev.
1898. *Isotoma palustris balteata* Scherbakow (1751) p. 7; Kiev.
1901. *Isotoma palustris balteata* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma palustris balteata* Absolon (12) p. 108; Systematics.
1902. *Isotoma palustris cincta* Krausbauer (1204) p. 40; Germany.
1905. *Isotoma palustris balteata* Philiptschenko (1586) p. 4; Bologoi.
1907. *Isotomurus palustris balteata* Axelson (83) p. 131; Finland.
1912. *Isotomurus palustris balteata* Axelson (1292) p. 189; Finland.
1926. *Isotoma palustris balteata* Zwaluwenburg (2240) p. 18; Damaging sugar-cane, Hawaii.
1929. *Isotomurus palustris balteata* Handschin (1008) p. 73; Germany.
1930. *Isotomurus palustris balteatus* Handschin (1009) p. 413; Philippines.
1930. *Isotomurus palustris balteatus* Stach (1869) p. 292; Cosmopolitan.
1931. *Isotomurus palustris balteatus* Bonet (205) p. 382; Czechoslovakia.
1932. *Isotomurus palustris balteatus* Folsom (801) p. 63; Honolulu.
1932. *Isotomurus palustris balteatus* Handschin (1010) p. 479; Java; Bali.
1932. *Isotomurus palustris balteata* Kseneman (1211) p. 20; Czechoslovakia.
1933. *Isotomurus palustris balteatus* Denis (645) p. 242; Costa Rica; Taxonomy.
1933. *Isotoma palustris balteata* James (1124) p. 98; Canada.
1934. *Isotomurus palustris balteata* Mills (1417) p. 55; Iowa.
1934. *Isotomurus palustris balteata* Womersley (2177) p. 454; South Africa.
1934. *Isotomurus palustris balteata* Womersley (2178) p. 94; W. Australia; Queensland.
1935. *Isotomurus palustris balteatus* Schubert (1791) p. 199–, p. 381; Germany.

1937. *Isotomurus palustris balteatus* Folsom (806) p. 76; Descr., Distr., U.S.A. and Brit. West Indies.
1938. *Isotomurus palustris balteata* Brimley (275) p. 15; North Carolina.
1938. *Isotomurus palustris balteata* Kseneman (1220) p. 16; Cosmopolitan.
1938. *Isotomurus palustris balteatus* Mills (1421) p. 15; North Carolina.
1938. *Isotomurus balteatus* Uchida (2015) p. 8; = *I. palustris* ssp. *tricuspis* Börner.
1939. *Isotomurus palustris balteatus* Arlé (64) p. 127; Brazil.
1939. *Isotomurus palustris balteata* Womersley (2190) p. 149; Australia.
1939. *Isotomurus palustris balteatus* Yosii (2223) p. 366, fig. 11; Japan.
1942. *Isotomurus palustris balteatus* Handschin (1012) p. 404; Palestine; Malta; Greece.
1947. *Isotomurus palustris balteata* Stach (1886) p. 460; Europe; Pigmentation.
1948. *Isotomurus palustris balteatus* Zimmerman (2237) p. 56; Hawaii.
1951. *Isotomurus palustris balteatus* Maynard (1393) p. 123, Pl. XII, fig. 222; New York.
1951. *Isotomurus palustris balteata* Stach (1889) p. 88, figs. 48 F-I; Poland.
1957. *Isotomurus palustris balteatus* Uchida (2042) p. 42; Japan.
1958. *Isotomurus palustris balteata* Grindbergs (2276) p. 75; Latvia.
1958. *Isotomurus palustris balteata* Grindbergs (2277) p. 198; Latvia.
1960. *Isotomurus* (*Isotomurus*) *palustris balteata* Grindbergs (2373) p. 46; U.S.S.R.

Isotomurus palustris bimaculata (Ågren) 1903

1903. *Isotoma palustris bimaculata* Ågren (55) p. 133; Sweden.
1947. *Isotomurus palustris bimaculata* Stach (1886) p. 459; Colouring.
1955. *Isotomurus palustris bimaculata* Goto (921) p. 268; Britain.

Isotomurus palustris cincta (Krausbauer) 1898

1898. *Isotoma palustris cincta* Krausbauer (1203) p. 502; Germany.

Isotomurus palustris fucicola (Reuter) 1891

1891. *Isotoma palustris fucicola* Reuter (1641) p. 226–; Siberia.
1895. *Isotoma palustris fucicola* Reuter (1643) p. 26; Finland.
1893. *Isotoma palustris fucicola* Schött (1765) p. 66, Pl. V-6; Finland.
1896. *Isotoma palustris fucicola* MacGillivray (1345) p. 48; Boreal Europe.
1898. *Isotoma palustris fucicola* Lie-Pettersen (1282) p. 13; Scandinavia.
1898. *Isotoma palustris fucicola* Schäffer (1737) p. 402; Bismark Archipelago.
1898. *Isotoma palustris fucicola* Scherbakow (1750) p. 58; Kiev, Russia.
1899. *Isotoma palustris fucicola* Carl (352) p. 312; Switzerland.
1899. *Isotoma palustris fucicola* Carpenter and Evans (402) p. 247; Scotland.
1901. *Isotoma palustris fucicola* Carl (354) p. 262; Switzerland.
1901. *Isotoma palustris fucicola* Krausbauer (1204) p. 66; Germany.
1905. *Isotoma palustris fucicola* Axelson (81) p. 35; Tvärminne, Finland.
1906. *Isotomurus palustris fucicola* Axelson (82) p. 16; Russia.
1907. *Isotomurus palustris fucicola* Axelson (83) p. 131; Finland.
1910. *Isotomurus palustris fucicola* Collinge and Shoebotham (472) p. 112; England.
1912. *Isotomurus palustris fucicola* Axelson (1292) p. 190; Finland.
1912. *Isotoma palustris fuscicola* Schille (1756) p. 8; Poland.
1912. *Isotoma palustris fuscicola* Schille (2394) p. 127; Poland.
1919. *Isotomurus palustris fucicola* Handschin (977) p. 79; Switzerland; Germany; Great Britain.
1922. *Isotomurus palustris fucicola* Stach (1860) p. 24; Hungary.
1928. *Isotomurus palustris fucicola* Jackson (1121) p. 302; Britain.
1930. *Isotomurus palustris fucicola* Stach (1869) p. 292; Cosmopolitan.
1933. *Isotoma palustris fucicola* James (1124) p. 98; Canada.
1933. *Isotomurus palustris fucicola* Schubert (1787) p. 194; Ecology.
1933. *Isotomurus palustris fucicola* Turk (2007) p. 94; Britain.
1934. *Isotomurus palustris fucicola* Mills (1417) p. 55: Iowa.
1937. *Isotomurus palustris fucicola* Frenzel (828) p. 296; Ecology.
1938. *Isotomurus palustris fucicola* Kseneman (1220) p. 16; Cosmopolitan.
1941. *Isotomurus palustris fucicola* Buitendijk (336) p. 51; Netherlands.
1947. *Isotomurus palustris fucicola* Stach (1886) p. 460; Europe; Pigmentation.
1948. *Isotomurus palustris fucicola* Franz and Beier (821) p. 452–; Ecology.
1949. *Isotomurus palustris fucicola* Strenzke (1922) p. 207; Germany; Ecology.
1955. *Isotomurus palustris fucicola* Goto (921) p. 268; Britain.
1955. *Isotomurus palustris fucicola* Yosii (2233) p. 387; Tokara Is.
1958. *Isotomurus palustris fucicola* Grindbergs (2276) p. 75; Latvia.
1958. *Isotomurus palustris fucicola* Grindbergs (2277) p. 198; Latvia.
1958. *Isotomurus palustris fucicola* von Torne (1993) p. 668; Austria.
1960. *Isotomurus* (*Isotomurus*) *palustris fucicola* Grindbergs (2373) p. 46; U.S.S.R.

Isotomurus palustris fusca (Nicolet) 1842

1842. *Desoria fusca* Nicolet (1493) p. 63, Pl. 6, fig. 7; Europe.
1844. *Desoria fusca* Gervais (841) p. 431; Europe.
1847. *Isotoma fusca* Nicolet (1496) p. 374; Europe.
1871. *Isotoma palustris annulata* Tullberg (2002) p. 151; Scandinavia.
1872. *Isotoma palustris fusca* Tullberg (2003) p. 46; Sweden.
1891. *Isotoma palustris fusca* Uzel (2050) p. 63; Bohemia.

Isotomurus palustris maculata (Schaeffer) 1896

1896. *Isotoma palustris maculata* Schaeffer (1735) p. 186; Germany.
1899. *Isotoma palustris maculata* Carl (352) p. 312; Switzerland.
1899. *Isotoma palustris maculata* Carpenter and Evans (402) p. 247; Scotland.
1901. *Isotoma maculata* Börner (234) p. 51; Central Europe.
1901. *Isotoma palustris maculata* Carl (354) p. 262; Switzerland.
1901. *Isotoma palustris maculata* Krausbauer (1204) p. 66; Germany.

1901. *Isotoma palustris maculata* Evans (739) p. 156; Scotland.
1903. *Isotoma maculata* Ågren (55) p. 113; Sweden.
1906. *Isotomurus palustris maculata* Axelson (82) p. 16; Russia.
1906. *Isotoma maculata* Wahlgren (2080) p. 252; Sweden.
1907. *Isotomurus palustris maculata* Axelson (83) p. 131; Finland.
1912. *Isotomurus palustris maculata* Axelson (1292) p. 190; Finland.
1912. *Isotomurus palustris maculata* Splendore (1857) p. 147; Gen. Economics.
1920. *Isotomurus palustris maculata* Stach (1859) p. 164; Poland; Russia; Sweden; Scotland; Mid Europe; Finland.
1924. *Isotomurus palustris maculata* Stach (1864) p. 113, Pl. II, figs. 9–12; Malta.
1929. *Isotomurus palustris maculata* Buitendijk (333) p. 19; Europe.
1930. *Isotomurus palustris maculata* Buitendijk (334) p. 61; Holland.
1930. *Isotomurus palustris maculata* Stach (1869) p. 292; Cosmopolitan.
1932. *Isotomurus palustris maculata* Denis (643) p. 342; Berne.
1937. *Isotomurus palustris texensis* Folsom (806) p. 76, Pl. 25, figs. 282–283; cf. Stach (1886) p. 459.
1939. *Isotomurus palustris maculata* Womersley (2190) p. 149; Australia.
1941. *Isotomurus palustris maculata* Buitendijk (336) p. 51; Netherlands.
1942. *Isotomurus palustris maculata* Miles (1409) p. 16; Oxford, England.
1947. *Isotomurus palustris maculata* Stach (1886) p. 459; Europe.
1951. *Isotoma palustris maculata* Stach (1889) p. 88, fig. 48 A-E; Poland.
1960. *Isotomurus* (*Isotomurus*) *palustris maculata* Grindbergs (2373) p. 46; U.S.S.R.

Isotomurus palustris pallida (Schäffer) 1897

1897. *Isotoma palustris pallida* Schäffer (1735) p. 186; Germany.
1897. *Isotoma palustris pallida* Poppe and Schaeffer (1607) p. 268; Germany.
1901. *Isotoma palustris pallida* Absolon (12) p. 108; Systematics.
1901. *Isotoma palustris pallida* Börner (234) p. 50; Germany.
1901. *Isotoma palustris pallida* Krausbauer (1204) p. 40; Germany.
1926. *Isotomurus palustris pallida* Szidat (1948) p. 14–; Ecology.

Isotomurus palustris prasina (Reuter) 1891

1891. *Isotoma stuxbergi prasina* Reuter (1641) p. 229; Siberia; cf. Folsom (791) p. 12.
1894. *Isotoma palustris prasina* Schött (1765) p. 66; Palaearctic.
1895. *Isotoma palustris prasina* Dalla Torre (498) p. 10; Systematics.
1895. *Isotoma palustris prasina* Reuter (1643) p. 26; Finland; Siberia; Sweden.
1896. *Isotoma palustris prasina* MacGillivray (1345) p. 48; Boreal Europe; America.
1896. *Isotoma palustris pallida* Schäffer (1735) p. 186; Germany; cf. Ågren (55) p. 133.
1896. *Isotoma palustris prasina* Schäffer (1735) p. 186; Germany.
1897. *Isotoma palustris prasina* Poppe and Schäffer (1607) p. 268; Germany.
1898. *Isotoma palustris prasina* Schäffer (1737) p. 403; Germany.
1898. *Isotoma palustris prasina* Schött (1765) p. 66; Distribution; Halbinsel Jalmal.
1899. *Isotoma palustris prasina* Carl (351) p. 1; France.
1899. *Isotoma palustris prasina* Carl (352) p. 312; Switzerland.
1899. *Isotoma palustris prasina* Carpenter and Evans (402) p. 247; Scotland.
1899. *Isotoma palustris prasina* Wahlgren (2074) p. 850; Volga delta.
1900. *Isotoma palustris prasina* Carl (353) p. 3; Russia.
1900. *Isotoma palustris prasina* Schäffer (1738) p. 246; North and Central Europe; North Siberia; Bismark Archipelago.
1900. *Isotoma palustris prasina* Schäffer (1739) p. 256; Germany.
1901. *Isotoma palustris pallida* Börner (234) p. 50; Central Europe.
1901. *Isotoma palustris prasina* Börner (234) p. 50; Germany.
1901. *Isotoma palustris prasina* Carl (354) p. 262; Switzerland.
1901. *Isotoma palustris pallida* Krausbauer (1205) p. 40; Germany.
1901. *Isotoma palustris prasina* Krausbauer (1205) p. 40; Germany.
1902. *Isotoma palustris prasina* Becker (158) p. 26; Russia.
1903. *Isotoma palustris prasina* Ågren (55) p. 133; Sweden; Synonymy.
1905. *Isotomurus palustris prasina* Axelson (81) p. 35; Tvärminne, Finland.
1906. *Isotomurus palustris prasina* Axelson (82) p. 16; Russia.
1906. *Isotoma palustris prasina* Wahlgren (2080) p. 255; Sweden.
1907. *Isotomurus palustris prasina* Axelson (83) p. 131; Finland.
1907. *Isotomurus palustris prasina* Wahlgren (2083) p. 5; Novaya Zemlya; Siberia; Norway, Havnefiord.
1910. *Isotomurus palustris prasina* Collinge and Shoebotham (472) p. 112; England.
1911. *Isotomurus palustris prasina* Axelson (1291) p. 19; Norway.
1912. *Isotomurus palustris prasina* Axelson (1292) p. 187, Pl. XIV, fig. 4; Finland.
1914. *Isotomurus palustris prasina* Shoebotham (1820) p. 62; Ireland.
1918. *Isotomurus palustris prasina* Brown (296) p. 186; England.
1919. *Isotomurus palustris prasina* Axelson (1293) p. 8; Arctic Ural.
1919. *Isotoma palustris prasina* Folsom (791) p. 12, Pl. 6, figs. 53–57; Description; Arctic.
1920. *Isotomurus palustris prasina* Stach (1859) p. 164; Poland; North and Mid Europe; Siberia; Bismark Archipelago.
1921. *Isotomurus palustris prasina* Denis (607) p. 126; France.
1923. *Isotomurus palustris prasina* Stach (1863) p. 10; Germany.
1924. *Isotomurus palustris prasina* Thompson (1970) p. 361; Ecology.
1926. *Isotomurus palustris prasina* Stirnimann (1907) p. 252–; Ecology.
1928. *Isotomurus palustris prasina* Jackson (1121) p. 302; Britain.
1929. *Isotomurus palustris prasina* Handschin (1008) p. 73; Systematics.
1929. *Isotomurus palustris prasina* Stach (1869) p. 292; Cosmopolitan.

1930. *Isotomurus palustra prasina* Buitendijk (334) p. 61; Holland.
1930. *Isotomurus palustris prasina* Womersley (2168) p. 183; Ireland.
1932. *Isotomurus palustris prasinus* Brown (312) p. 339; Arctic.
1932. *Isotomurus palustris prasina* Kseneman (1211) p. 20; Czechoslovakia.
1932. *Isotoma palustris prasina* Maynard (1391) p. 219; New York.
1933. *Isotoma palustris prasina* James (1124) p. 97; Canada.
1933. *Isotomurus palustris prasina* Schubert (1787) p. 189; Ecology.
1933. *Isotomurus palustris prasina* Schubert (1789) p. 2; Germany.
1933. *Isotomurus palustris prasina* Turk (2007) p. 94; Britain.
1934. *Isotomurus palustris prasina* Mills (1417) p. 55; Iowa.
1935. *Isotomurus palustris prasina* Schubert (1791) p. 106–, p. 198–, p. 366–; Germany; Austria.
1937. *Isotomurus palustris prasina* Drenowski (695) p. 3; Bulgaria.
1937. *Isotomurus palustris prasina* Folsom (806) p. 75; North America; Cuba.
1937. *Isotomurus palustris prasina* Frenzel (828) p. 296; Ecology.
1939. *Isotomurus palustris prasina* Womersley (2190) p. 119; Australia.
1940. *Isotomurus palustris prasina* Szent-Ivany (1945) p. 119; Hungary.
1941. *Isotomurus palustris prasina* Buitendijk (336) p. 51; Netherlands.
1942. *Isotomurus palustris palustris* Brimley (276) p. 4; North Carolina.
1947. *Isotomurus palustris prasina* Stach (1886) p. 459; Colouring.
1949. *Isotomurus palustris prasina* Strenzke (1922) p. 207; Germany, Ecology.
1951. *Isotomurus palustris prasinus* Maynard (1393) p. 123, Pl. I, fig. 3; New York.
1953. *Isotomurus palustris prasinus* Hammer (973) p. 9; Ellesmere I., Canada.
1953. *Isotomurus palustris prasina* Mills and Richards (1430) p. 58; North Canada.
1954. *Isotomurus palustris prasina* Yosii (2231) p. 803; Japan.
1955. *Isotomurus palustris prasina* Goto (921) p. 268; Britain.
1958. *Isotomurus palustris prasina* Grindbergs (2277) p. 198; Latvia.
1958. *Isotomurus palustris prasina* von Torne (1993) p. 668; Austria.
1960. *Isotomurus* (*Isotomurus*) *palustris prasina* Grindbergs (2373) p. 46; U.S.S.R.

Isotomurus palustris rubromaculata (Parfitt) 1891

1891. *Isotoma palustris rubromaculata* Parfitt (1550) p. 342; England.

Isotomurus palustris texensis Folsom, 1937

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.

1937. *Isotomurus palustris texensis* Folsom (806) p. 76, Pl. 25, figs. 282, 283; Texas.
1950. *Isotomurus palustris texensis* Wray (2216) p. 62; Utah.

Isotomurus palustris trifasciata (Bourlet) 1839

1839. *Isotoma trifasciata* Bourlet (259) p. 402; Europe.
1839. *Isotoma bifasciata* Bourlet (259) p. 401; France.
1841. *Podura trifasciata* Bourlet (261) p. 115; Europe.
1842. *Podura trifasciata* Bourlet (265) p. 24; France.
1844. *Podura trifasciata* Lucas (1327) p. 291; References only.
1845. *Podura trifasciata* Bourlet (266) p. 67; Europe.
1847. *Isotoma bifasciata* Nicolet (1496) p. 374; France.
1868. *Isotoma bifasciata* Lubbock (1316) p. 299, Pl. XXII, figs. 20, 21; England.
1873. *Isotoma trifasciata* McIntire (1353) p. 6; Britain.
1893. *Isotoma palustris principalis* Schött (1765) p. 63, *ad partem.*, Pl. V, fig. 9; Europe.
1895. *Isotoma palustris principalis* Reuter (1643) p. 26; Finland.
1897. *Isotoma palustris principalis* Schäffer (1735) p. 186; Germany.
1898. *Isotoma palustris principalis* Lie-Pettersen (1282) p. 13; Scandinavia.
1900. *Isotoma palustris aquatilis* Börner (234) p. 50; Central Europe.
1901. *Isotoma palustris principalis* Krausbauer (1204) p. 66; Germany.
1903. *Isotoma palustris aquatilis* Ågren (55) p. 133; Sweden.
1905. *Isotomurus palustris trifasciata* Axelson (81) p. 35; Finland.
1907. *Isotomurus palustris trifasciata* Axelson (83) p. 131; Finland.
1912. *Isotomurus palustris trifasciata* Axelson (1292) p. 188; Finland.
1923. *Isotomurus palustris trifasciata* Stach (1863) p. 10; Germany.
1928. *Isotomurus palustris trifasciata* Jackson (1121) p. 302; England.
1930. *Isotomurus palustris trifasciata* Buitendijk (334) p. 61; Holland.
1930. *Isotomurus palustris trifasciata* Womersley (2168) p. 183; Ireland.
1935. *Isotoma palustris trifasciata* Schubert (1791) p. 115–; Germany.
1941. *Isotomurus palustris trifasciata* Buitendijk (336) p. 51; Netherlands.
1949. *Isotomurus palustris trifasciata* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Isotomurus palustris trifasciata* Schaller (1746) p. 465; Germany, Ecology.
1958. *Isotomurus palustris trifasciata* Grindbergs (2276) p. 75; Latvia.
1958. *Isotomurus palustris trifasciata* Grindbergs (2277) p. 198; Latvia.

Isotomurus palustris unifasciata (Börner) 1901

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.

1901. *Isotoma palustris unifasciata* Börner (234) p. 50; Germany.
1947. *Isotomurus palustris unifasciata* Stach (1886) p. 459; Europe; Pigmentation.
1951. *Isotomurus palustris unifasciata* Praport (1610) p. 142; Poland.

Isotomurus palustris viridis Parfitt, 1891

1891. *Isotoma palustris viridis* Parfitt (1550) p. 342; England.
1891. *Isotoma palustris viridis* Uzel (2050) p. 63; Bohemia.
1907. *Isotoma palustris viridis* Latzel (1248) p. 161; Austria.

Isotomurus palustroides Folsom, 1937

1937. *Isotomurus palustroides* Folsom (806) p. 77, Pl. 26, figs. 291–295; Canada.
1947. *Isotomurus palustroides* Stach (1886) p. 448; Canada.
1958. *Isotomurus palustroides* Murphy (2310) p. 677.

Isotomurus palustroides subciliatus Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1947. *Isotomurus palustroides subciliatus* Stach (1886) p. 461, Pl. XLIX, figs. 1–6; West Ukraine; Germany.

1951. *Isotomurus palustroides subciliatus* Stach (1889) p. 92, figs. 22-A, 51; Poland; America.
1955. *Isotomurus palustroides subciliatus* Goto (918) p. 32; British Isles.
1955. *Isotomurus palustroides subciliatus* Stach (1893) p. 138, figs. 413–417; Poland; America.
1958. *Isotomurus palustroides subciliatus* Murphy (2310) p. 679.

Isotomurus pentodon Kos, 1937

1937. *Isotomurus pentodon* Kos (1195) p. 202, figs. 18, 22–26; Yugoslavia.
1941. *Isotomurus pentodon* Kos (1198) p. 93–; Yugoslavia.

Isotomurus plumosus Bagnall, 1940

1940. *Isotomurus plumosus* Bagnall (121) p. 101; Britain.
1955. *Isotomurus plumosus* Goto (921) p. 268; Britain.
1955. *Isotomurus plumosus* Murphy (1474) p. 160–; Ecology.
1955. *Isotoma plumosus* Murphy (1474) p. 161; Ecology.
1959. *Isotomurus plumosus* Poole (1604) p. 75–; Food of Collembola.
1960. *Isotomurus plumosus* Gisin (2271) p. 213; Britain; Germany; Russia.
1960. *Isotomurus* (*Isotomurus*) *plumosus* Grindbergs (2373) p. 46; U.S.S.R.

Isotomurus retardatus Folsom, 1933

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1933. *Isotomurus retardatus* Mills and Rolfs (1431) p. 80; Washington.
1937. *Isotomuruus retardatus* Folsom (806) p. 71, Pl. 25, figs. 276–280; New Mexico.
1947. *Isotomurus retardatus* Stach (1886) p. 448; U.S.A.

Isotomurus subterranneus Stach, 1946

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1946. *Isotomurus subterraneus* Stach (1883) p. 3, Pl. I, figs. 1–7; Europe.
1947. *Isotomurus subterranneus* Stach (1886) p. 448; Italy.
1960. *Isotomurus subterranneus* Gisin (2271) p. 213; Yugoslavia.

Isotomurus tricuspis (Börner) 1906

1906. *Isotomurus palustris tricuspis* Börner (243) p. 173; Java.
1925. *Isotomurus palustris tricuspis* Handschin (985) p. 260; Java.
1928. *Isotomurus palustris tricuspis* Handschin (1001) p. 266; Java.
1947. *Isotomurus tricuspis* Stach (1886) p. 449; Japan; Costa Rica; (probably also New Guinea; Philippines; Bismark Archipelago).
1948. *Isotomurus tricuspis* Denis (676) p. 216, fig. 10; Indo China; Justification.
1953. *Isotomurus palustris tricuspis* Goto (916) p. 181.
1959. *Isotomurus tricuspis* Paclt (2316) p. 45; South Africa.

Isotomurus tricuspis martiniquensis Stach, 1947

1947. *Isotomurus tricuspis martiniquensis* Stach (1886) p. 449, Pl. XLIX, fig. 8; Martinique.

Isotomurus viridipalustris Kos, 1937

1937. *Isotomurus viridipalustris* Kos (1195) p. 182, figs. 8–10; Yugoslavia.
1941. *Isotomurus viridipalustris* Kos (1198) p. 93–; Yugoslavia.
1947. *Isotomurus viridipalustris* Stach (1886) p. 450; Julic Alps.

Genus: SENSITERGA Murphy, 1959 (2311) p. 118.

Type species fixed: *S. infuscata* by Murphy, 1959 (2311) p. 118.

Sensiterga infuscata Murphy, 1959

HOLOTYPE AND PARATYPES: Brit. Mus. Nat. Hist., London.
1959. *Sensiterga infuscata* Murphy (2311) p. 118, figs. 1–8; Britain.

Genus: AGRENIA Börner, 1906 (243) p. 171.

Type species fixed: *A. bidenticulata* (Tullberg), by Börner, 1906 (243) p. 171.

Agrenia bidenticulata (Tullberg) 1876

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1876. *Isotoma bidenticulata* Tullberg (2004) p. 35, Pl. IX, figs. 17, 18; Boreal; Greenland; Novaya Zemlya.
1887. *Isotoma bidenticulata* Stuxberg (1936) p. 42; Novaya Zemlya.
1890. *Isotoma bidenticulata* Moniez (1443) p. 433; France.
1891. *Isotoma bidenticulata* MacGillivray (1341) p. 273; Greenland; North Europe; North America.
1893. *Isotoma bidenticulata* Schött (1765) p. 67; Palaearctic.
1894. *Isotoma bidenticulata* Schaeffer (1733) p. 128; Spitzbergen.
1895. *Isotoma bidenticulata* Dalla Torre (498) p. 10; Europe.
1896. *Isotoma bidenticulata* MacGillivray (1345) p. 50; Novaya Zemlya; N. Siberia; Greenland; North America.
1898. *Isotoma bidenticulata* Schött (1765) p. 67, Pl. 6, figs. 7–8; Sweden; Novaya Zemlya; N. Siberia.
1899. *Isotoma lanuginosa* Carl (352) p. 307, Pl. 8, figs. 25–29; Switzerland.
1899. *Isotoma bidenticulata* Scherbakov (1752) p. 5; Spitzbergen.
1899. *Isotoma bidenticulata* Scherbakov (1754) p. 47; Spitzbergen.
1899. *Isotoma bidenticulata* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Isotoma bidenticulata* Carpenter (368) p. 274; Franz Josef Land.
1900. *Isotoma bidenticulata* Schäffer (1738) p. 247; Novaya Zemlya; White Is.; N.E. Siberia; Konigkads Land; Greenland; Franz Josef Land.
1900. *Isotoma bidenticulata* Skorikow (1833) p. 205; Spitzbergen.
1900. *Isotoma bidenticulata* Wahlgren (2077) p. 374; Greenland; Franz Josef Land; Spitzbergen.
1902. *Isotoma bidenticulata* Skorikow (1835) p. 99, fig. 14; Spitzbergen.
1904. *Isotoma bidenticulata* Ågren (56) p. 17, Pl. II, figs. 11–13; Lapland.
1906. *Agrenia bidenticulata* Börner (243) p. 171; Systematics.
1906. *Isotoma bidenticulata* Wahlgren (2080) p. 251, fig. 20-f; Sweden.
1907. *Agrenia bidenticulata* Axelson (83) p. 131; Finland.
1907. *Agrenia bidenticulata* Axelson (84) p. 9.
1907. *Isotoma bidenticulata* Wahlgren (2082) p. 224; Torne Lappmark.
1908. *Agrenia bidenticulata* Carpenter (382) p. 176; Britain.
1908. *Isotoma bidenticulata* Evans (741) p. 200; Scotland.
1908. *Isotoma bidenticulata* Schille (1755) p. 8; Poland.
1909. *Agrenia bidenticulata* Carpenter (383) p. 733: Ireland; Scotland.

1910. *Agrenia bidenticulata* Bagnall (102) p. 502; Britain.
1912. *Agrenia bidenticulata* Linnaniemi (1292) p. 173, Pl. XIV, figs. 1–3; Finland.
1912. *Isotoma bidenticulata* Schille (1756) p. 8; Galizien.
1917. *Agrenia bidenticulata* Bagnall (105) p. 84; Britain.
1918. *Isotoma bidenticulata* Henriksen and Lundbeck (1044) p. 738; Greenland.
1919. *Agrenia bidenticulata* Handschin (977) p. 77, Pl. I, figs. 7, 8, 12, 20, 21; Add. descr., Switzerland.
1919. *Agrenia bidenticulata* Wahlgren (2089) p. 751; Sweden.
1920. *Agrenia bidenticulata* Wahlgren (2090) p. 8; Europe.
1921. *Agrenia bidenticulata* Kreis (1207) p. 277; Systematics.
1922. *Agrenia bidenticulata* Carpenter and Phillips (404) p. 18; Spitzbergen; Novaya Zemlya; Franz Josef Land; Finland; Great Britain; Ireland; North Siberia; Switzerland; Greenland; Scandinavia; Jan Mayen I.
1922. *Agrenia bidenticulata* Latzel (1250) p. 60; Sweden; Ostalpen and Karstes.
1924. *Agrenia bidenticulata* Denis (616) p. 231, fig. 46; Remarks on form.
1924. *Agrenia bidenticulata* Handschin (981) p. 116; Switzerland.
1924. *Agrenia bidenticulata* Handschin (983) p. 85; Ecology, Switzerland.
1924. *Agrenia bidenticulata* Schött (1776) p. 13; Novaya Zemlya.
1925. *Agrenia bidenticulata* Denis (619) p. 145; France.
1926. *Agrenia bidenticulata* Brown (307) p. 334; England.
1926. *Agrenia bidenticulata* Handschin (988) p. 52, fig. 34; Distribution.
1926. *Agrenia bidenticulata* Stirnimann (1907) p. 252; Ecology.
1927. *Agrenia bidenticulata* Carpenter (396) p. 198; Spitzbergen; Distribution.
1928. *Agrenia bidenticulata* Remy (1625) p. 65; Greenland.
1928. *Agrenia bidenticulata* Summerhayes and Elton (1939) p. 199–; Spitzbergen.
1929. *Agrenia bidenticulata* Brown (308) p. 111; Ecology (freshwater Collembola).
1929. *Agrenia bidenticulata* Handschin (1008) p. 71, fig. 127; Germany; Boreoalpine.
1930. *Agrenia bidenticulata* Stach (1869) p. 291; Arctic; Sweden; Great Britain.
1930. *Agrenia bidenticulata* Womersley (2168) p. 181; Ireland.
1931. *Agrenia bidenticulata* Schött (1780) p. 71; Scandinavia.
1932. *Agrenia bidenticulata* Maynard (1391) p. 218; New York.
1933. *Agrenia bidenticulata* Linnaniemi (1294) p. 4; N.E. Siberia.
1933. *Agrenia bidenticulata* Schubert (1787) p. 192; Ecology.
1933. *Agrenia bidenticulata* Turk (2007) p. 94; Britain.
1934. *Agrenia bidenticulata* Davies (522) p. 121; Wales.
1935. *Agrenia bidenticulata* Axelson (1295) p. 140; Spitzbergen.
1935. *Agrenia bidenticulata* Axelson (1296) p. 381; Hopen I.; King Karls Land.
1935. *Agrenia bidenticulata* Pax and Maschke (1573) p. 34–; Europe.
1935. *Agrenia bidenticulata* Schubert (1790) p. 94; Europe.
1936. *Agrenia bidenticulata* Brown (313) p. 64; West Spitzbergen.
1936. *Agrenia bidenticulata* Madsen (1367) p. 61–; Greenland.
1936. *Agrenia bidenticulata* Pax and Maschke (1574) p. 157–; Ecology.
1937. *Agrenia bidenticulata* Folsom (806) p. 69, Pl. 15, figs. 156–159; U.S.A.; Canada; Europe.
1937. *Agrenia bidenticulata* Frenzel (828) p. 310, fig. 126; Ecology.
1937. *Agrenia bidenticulata* Schubert (1792) p. 126; Alps; Boreal.
1938. *Agrenia bidenticulata* Hammer (968) p. 26, fig. 2; East Greenland.
1938. *Agrenia bidenticulata* Kseneman (1220) p. 16; Europe.
1938. *Agrenia bidenticulata* Yosii (2221) p. 489, Pl. IX; Japan.
1939. *Agrenia bidenticulata* Yosii (2223) p. 366; Japan.
1940. *Agrenia bidenticulata* Bagnall (121) p. 100; Britain.
1941. *Agrenia bidenticulata* Agrell (46) p. 20; Swedish Lapland.
1942. *Agrenia bidenticulata* Kos (1199) p. 151, figs. 40–42; Yugoslavian Alps.
1942. *Agrenia bidenticulata* Marlier (1375) p. 9; Belgium.
1942. *Agrenia bidenticulata* Scott (1796) p. 179; West U.S.A.
1943. *Agrenia bidenticulata* Agrell (47) p. 125; Sweden.
1943. *Agrenia bidenticulata* Collart (460) pp. 1–8, with fig.; Belgium.
1943. *Agrenia bidenticulata* Uchida (2020) p. 14; Distribution; Japan; Holarctic.
1944. *Agrenia bidenticulata* Hammer (969) p. 61; North America; Greenland; Lapland; Arctic Siberia; Europe.
1944. *Agrenia bidenticulata* Kos (1200) p. 5–; Yugoslavia.
1947. *Agrenia bidenticulata* Stach (1886) p. 283, Pl. XXXIII; Description; Poland; Slovakia; Germany; Spitzbergen.
1950. *Agrenia bidenticulata* Kinoshita and Uchida (1179) p. 15 and fig.; Japan.
1951. *Agrenia bidenticulata* Maynard (1393) p. 91, Pl. X, 166, 167; Description; New York.
1951. *Agrenia bidenticulata* Stach (1889) p. 73, figs. 12-B, 14-F, 37; Poland.
1951. *Agrenia bidenticulata* Wilkey (2120) p. 79; Colorado.
1952. *Agrenia bidenticulata* Uchida (2027) p. 2; Japan.
1953. *Agrenia bidenticulata* Hammer (973) p. 8; Ellesmere I.; Add. descr.
1954. *Agrenia bidenticulata* Hammer (974) p. 14; Nth. Greenland.
1955. *Agrenia bidenticulata* Stach (1893) p. 129, figs. 363–366; Europe; America; Japan.
1955. *Agrenia bidenticulata* Uchida (2034) p. 200; Japan.
1956. *Agrenia bidenticulata* Paclt (1541) p. 24–, fig. 27; Biology.
1956. *Agrenia bidenticulata* Wray and Knowlton (2214) p. 3; Idaho.
1957. *Agrenia bidenticulata* Uchida (2042) p. 41; Japan.
1958. *Agrenia bidenticulata* Kholova (1169) p. 234; Bohemia.
1959. *Agrenia bidenticulata* Stach (1896) p. 28; Poland.
1960. *Agrenia bidenticulata* Gisin (2271) p. 201, figs. 29, 43, 370; Greenland; Siberia; Europe.
1960. *Agrenia bidenticulata* Grindbergs (2373) p. 41; U.S.S.R.

Agrenia bidenticulata elongata Carpenter, 1908

1908. *Agrenia bidenticulata elongata* Carpenter (382) p. 176, fig. B.; Ireland.

Agrenia bidenticulata nigra Axelson, 1935

1935. *Agrenia bidenticulata nigra* Axelson (1295) p. 140; Spitzbergen.

Genus: PTERONYCHELLA Börner, 1909 (246) p. 113.

Type species fixed: *P. perpulchra* Börner, by Stach, 1947 (1886) p. 16.

Pteronychella babei Yosii, 1939

1939. *Pteronychella babei* Yosii (2223) p. 388, fig. 23; Japan.
1957. *Pteronychella babei* Uchida (2041) p. 24; Japan.

Pteronychella perpulchra Börner, 1909

1909. *Pteronychella perpulchra* Börner (246) p. 113; Japan.
1938. *Pteronychella perpulchra* Uchida (2015) p. 8; Japan.
1939. *Pteronychella perpulchra* Yosii (2223) p. 367, fig. 12; Japan.
1950. *Pteronychella perpulchra* Kinoshita and Uchida (1179) p. 15 and fig.; Japan.
1957. *Pteronychella perpulchra* Uchida (2041) p. 24; Japan.

Genus: PAPILLOMURUS Salmon, 1941 (1676) p. 330.

Type species fixed: *P. fuscus* Salmon, by Salmon, 1941 (1676) p. 330.

Papillomurus dissimilis Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Papillomurus dissimilis* Salmon (1683) p. 146, Pl. 58, figs. 91–93; New Zealand.

Papillomurus fuscus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Papillomurus fuscus* Salmon (1676) p. 330, Pl. 52, figs. 209–211; New Zealand.
1943. *Papillomurus fuscus* Salmon (1680) p. 381; New Zealand.
1944. *Papillomurus fuscus* Salmon (1683) p. 146; New Zealand.

Papillomurus fuscus pallidus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Papillomurus fuscus pallidus* Salmon (1676) p. 331; New Zealand.

Papillomurus magnificus Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Papillomurus magnificus* Salmon (1689) p. 29, figs. 92–96; Auckland Is.

Papillomurus ochraceus Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Papillomurus ochraceus* Salmon (1689) p. 27, figs. 88–91; Campbell Is.

Papillomurus parva (Salmon) 1937

TYPE: Dominion Mus., Wellington, N.Z.
1937. *Isotoma parva* Salmon (1674) p. 353, Pl. 49 a-c; New Zealand.
1941. *Papillomurus parvus* Salmon (1676) p. 331, figs. 229–230; New Zealand.

Papillomurus turbotti Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Papillomurus turbotti* Salmon (1689) p. 30, figs. 97–100; Auckland Is.

Genus: SPINISOTOMA Stach, 1926 (1866) p. 583.

Type species fixed: *S. pectinata* Stach, by Stach, 1947 (1886) p. 19.

Spinisotoma dimorpha Womersley, 1934

HOLOTYPE, ALLOTYPE: Sth. Austr. Mus., Adelaide.
1934. *Spinisotoma dimorpha* Womersley (2178) p. 106, fig. 8 s-w; Sth. Australia.
1939. *Spinisotoma dimorpha* Womersley (2190) p. 166, fig. 56 X-BB; Sth. Australia.
1947. *Spinisotoma dimorpha* Stach (1886) p. 346; Sth. Australia.

Spinisotoma dispersa Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Spinisotoma (Spinisotoma) dispersa* Wray (2204) p. 100, figs. 29–34; U.S.A.

Spinisotoma ephippiata Brian, 1945

TYPES, PARATYPES: Brit. Mus. Nat. Hist., London.
1945. *Spinisotoma ephippiata* Brian (273) p. 132, fig. 1 a-c; England.
1948. *Spinisotoma ephippiata* Salt et al. (1724) p. 145; Ecology.

Spinisotoma pectinata Stach, 1926

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1926. *Spinisotoma pectinata* Stach (1866) p. 584, Pl. 16, figs. 1–10; Poland; Hungary; Ukraine.
1929. *Spinisotoma pectinata* Handschin (1008) p. 63, fig. 110; S.W. Poland.
1929. *Spinisotoma pectinata* Kel'schtein (1160) p. 246; Russia.
1930. *Spinisotoma pectinata* Stach (1869) p. 290; Poland.
1936. *Isotoma propinqua pectinata* Agrell (39) pp. 1–7; Scandinavia.
1938. *Spinisotoma pectinata* Kseneman (1220) p. 14; Europe.
1939. *Spinisotoma pectinata* Agrell (44) p. 167; Sweden.
1945. *Isotoma propinqua pectinata* Backlund (86) p. 38, fig. 2; Scandinavia.
1947. *Spinisotoma pectinata* Stach (1886) p. 347, Pl. XXXVIII; Poland; Hungary; West and Central Ukraine.
1949. *Isotoma propinqua pectinata* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Spinisotoma pectinata* Stach (1889) p. 84, fig. 44; Poland; Ukraine; Norway; Austria; Sweden.
1955. *Spinisotoma pectinata* Stach (1893) p. 132, figs. 375–378; Poland; Ukraine; Austria; Sweden.
1956. *Spinisotoma pectinata* Cassagnau (424) p. 1.
1958. *Spinisotoma pectinata* Grindbergs (2277) p. 196; Latvia.
1959. *Spinisotoma pectinata* Stach (1896) p. 32; Poland.

Spinisotoma stachi (Denis) 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Isotoma stachi* Denis (635) p. 134, figs. 7–16; Italy.
1929. *Spinisotoma regina* Stach (1869) p. 290; Hungary.
1947. *Spinisotoma ephippiata* Stach (1886) p. 346; Synonymy.
1947. *Spinisotoma regina* Stach (1886) p. 346; Synonymy.
1947. *Spinisotoma stachi* Stach (1886) p. 346; Hungary; Italy; Spain; England.
1954. *Spinisotoma stachi* Cassagnau (418) p. 623; France.
1956. *Spinisotoma stachi* Cassagnau (424) p. 1.
1960. *Isotoma olivacea stachi* Gisin (2271) p. 211, fig. 383; Europe.

Genus: PSEUDISOTOMA Handschin, 1924 (981) p. 111.

Type species fixed: *P. sensibilis* (Tullberg), by Handschin, 1924 (981) p. 111 (monotype).

Pseudisotoma anamola Christiansen, 1959

1959. *Pseudisotoma (Isotomidia) anamola* Christiansen (2264) p. 76, Pl. 10, figs. 29–37; Lebanon; Syria.

Pseudisotoma monochaeta (Kos) 1942

1942. *Isotoma (Pseudisotoma) monochaeta* Kos (1199) p. 125, figs. 10–15; Yugoslavia.
1944. *Isotoma (Pseudisotoma) sensibilis monochaeta* Kos (1200) p. 5–; Yugoslavia.
1947. *Pseudisotoma monochaeta* Stach (1886) p. 316, Pl. XXXV, figs. 10–15; Poland; Systematics.
1954. *Pseudisotoma monochaeta* Cassagnau (418) p. 623; France; Spain.
1955. *Pseudisotoma monochaeta* Stach (1893) p. 130, figs. 371–372; Europe; Boreal-Alpine.
1959. *Pseudisotoma monochaeta* Paclt (2317) p. 339; Europe.
1959. *Pseudisotoma monochaeta* Stach (1896) p. 30; Poland.
1959. *Pseudisotoma monochaeta* Steiner (2343) p. 462; Spain.
1960. *Isotoma monochaeta* Gisin (2271) p. 203; Europe.
1960. *Isotoma (Pseudisotoma) monochaeta* Grindbergs (2373) p. 41; U.S.S.R.

Pseudisotoma monochaeta microchaeta Cassagnau, 1959

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.

1959. *Pseudisotoma monochaeta microchaeta* Cassagnau (2262) p. 85, fig. 8; France.

Pseudisotoma sensibilis (Tullberg) 1871

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1871. *Isotoma sensibilis* Tullberg (2002) p. 143; Sweden.
1876. *Isotoma sensibilis* Tullberg (2004) p. 36, Pl. IX, fig. 23–26; Arctic.
1891. *Isotoma sensibilis* Uzel (2050) p. 64; Bohemia.
1893. *Isotoma sensibilis* Schött (1765) p. 72, Pl. VI, figs. 31, 32; Novaya Zemlya; Sweden.
1895. *Isotoma dubia* Reuter (1643) p. 27, Pl. I, fig. 3; Finland; cf. Folsom (806).
1895. *Isotoma sensibilis* Reuter (1643) p. 27, Tab. I, fig. 2; Finland; Germany; Sweden.
1896. *Isotoma sensibilis* Lie-Pettersen (1281) p. 18; Norway.
1896. *Isotoma determinata* MacGillivray (1345) p. 54; America; cf. Folsom (806) p. 78.
1896. *Isotoma parva* MacGillivray (1345) p. 50; America; cf. Folsom (806) p. 78.
1896. *Isotoma longidens* Schäffer (1735) p. 188; Germany; cf. Folsom (806) p. 78.
1896. *Isotoma monstrosa* Schäffer (1735) p. 189; Germany; cf. Folsom (806) p. 78.
1898. *Isotoma sensibilis* Lie-Pettersen (1282) p. 13; Norway.
1899. *Isotoma sensibilis* Carl (351) p. 1; France.
1899. *Isotoma dubia* Carl (352) p. 321, Pl. 8, fig. 42; Switzerland.
1899. *Isotoma sensibilis* Carl (352) p. 307; Switzerland.
1899. *Isotoma sensibilis* Carpenter and Evans (402) p. 249, Pl. V, fig. 5, Pl. VII, figs. 26, 27; Scotland.
1900. *Isotoma sensibilis* Schäffer (1738) p. 247; Novaya Zemlya; North Europe; Germany; France.
1900. *Isotoma denticulata* Schäffer (1739) p. 260; Germany.
1900. *Isotoma sensibilis* Schäffer (1739) p. 258; Germany.
1900. *Isotoma sensibilis* Skorikow (1833) p. 198; Spitzbergen.
1900. *Isotoma sensibilis* Wahlgren (2077) p. 367; Greenland; Jan Mayen I.
1901. *Isotoma sensibilis* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma sensibilis* Absolon (12) p. 108; Czechoslovakia; Systematics.
1901. *Isotoma sensibilis* Carl (354) p. 264; Switzerland.
1901. *Isotoma sensibilis* Evans (739) p. 156; Scotland.
1901. *Isotoma sensibilis* Evans (740) p. 153; Scotland.
1901. *Isotoma sensibilis* Krausbauer (1204) p. 67, fig. 58; Germany.
1901. *Pseudisotoma sensibilis* Lie-Pettersen (2382) p. 202.
1902. *Isotoma inopinata* Axelson (76) p. 108; Finland; Russia; cf. Folsom (806) p. 78.
1902. *Isotoma sensibilis* Krausbauer (1205) p. 41; Germany.
1902. *Isotoma sensibilis* Schött (1772) p. 28, Pl. I, fig. 24; North Scandinavia.
1902. *Isotoma sensibilis* Skorikow (1835) p. 92; Spitzbergen.
1903. *Isotoma sensibilis* Ågren (55) p. 139; Sth. Sweden.
1903. *Isotoma sensibilis* Diem (688) p. 358; Ecology.
1903. *Isotoma sensibilis* Guthrie (951) p. 67, Pl. IX, fig. 20; Orig. descr., Minnesota.
1904. *Isotoma sensibilis* Ågren (56) p. 17; Lapland.
1905. *Isotoma sensibilis* Axelson (81) p. 32; Tvärminne, Finland.
1906. *Isotoma sensibilis* Lie-Pettersen (1284) p. 61; Norway.
1906. *Isotoma sensibilis* Wahlrgen (2080) p. 257; Sweden.
1907. *Isotoma sensibilis* Axelson (83) p. 130; Finland.
1908. *Isotoma arborea* Evans (741) p. 195; Scotland; cf. Handschin (1008).
1908. *Isotoma sensibilis* Schille (1755) p. 8; Poland.
1911. *Isotoma sensibilis* Axelson (1291) p. 15; Norway.
1912. *Isotoma (Vertagopus) sensibilis* Axelson (1292) p. 143, Pl. XI, figs. 9–13; Finland.
1912. *Isotoma sensibilis* Schille (1756) p. 8; Galizien.
1913. *Isotoma sensibilis* Carpenter (388) p. 7; Clare I., Ireland.
1914. *Isotoma sensibilis* Shoebotham (1820) p. 61; Ireland.
1916. *Isotoma sensibilis* Carr (407) p. 64; England.
1918. *Isotoma sensibilis* Brown (296) p. 186; England.
1919. *Isotoma sensibilis* Axelson (1293) p. 7; Arctic Ural.
1919. *Isotoma sensibilis* Brown (297) p. 64; England.
1919. *Isotoma sensibilis* Handschin (977) p. 76; Switzerland; North and Middle Europe; Nth. America; Spitzbergen.
1919. *Isotoma (Vertagopus) sensibilis* Handschin (977) p. 76; Switzerland.
1919. *Isotoma sensibilis* Wahlgren (2089) p. 750; Sweden.
1920. *Isotoma (Vertagopus) sensibilis* Stach (1859) p. 161; Poland; Mid and North Europe; North America; Novaya Zemlya.
1921. *Isotoma sensibilis* Kreis (1207) p. 285; Systematics.
1922. *Isotoma sensibilis* Bristowe (278) p. 42; Jan Mayen I.
1922. *Isotoma sensibilis* Latzel (1250) p. 58; Austria; Tirol.
1923. *Isotoma sensibilis* Brown (302) p. 262; England.
1923. *Isotoma (Vertagopus) sensibilis* Schött (1776) p. 11; Novaya Zemlya.
1924. *Isotoma (Vertagopus) sensibilis* Denis (614) p. 291; France.
1924. *Isotoma (Pseudisotoma) sensibilis* Handschin (981) p. 111, fig. 7; Switzerland.

1924. *Pseudisotoma sensibilis* Handschin (983) p. 85; Ecology, Switzerland.
1924. *Isotoma* (*Vertagopus*) *sensibilis* Schött (1776) p. 11; Novaya Zemlya.
1924. *Isotoma* (*Vertagopus*) *sensibilis* Womersley (2147) p. 32; S.W. England.
1925. *Isotoma sensibilis* Harnisch (1020) p. 68; Ecology.
1925. *Isotoma* (*Vertagopus*) *sensibilis* Womersley (2153) p. 219; S.W. England.
1926. *Vertagopus sensibilis* Stirnimann (1907) p. 282; Ecology.
1927. *Isotoma* (*Pseudisotoma*) *sensibilis* Handschin (999) p. 298; Westfalian peat bogs.
1928. *Pseudisotoma sensibilis* Remy (1624) p. 52; Greenland.
1928. *Pseudisotoma sensibilis* Remy (1625) p. 65; Greenland.
1929. *Pseudisotoma sensibilis* Handschin (1008) p. 64, figs. 112, 113; Palaearctic Region.
1930. *Isotoma* (*Pseudisotoma*) *sensibilis* Buitendijk (334) p. 58; Holland.
1930. *Isotoma* (*Pseudisotoma*) *sensibilis* Stach (1869) p. 289; Europe; North America.
1930. *Pseudisotoma sensibilis* Womersley (2164) p. 166; Lake District, England.
1930. *Isotoma* (*Pseudisotoma*) *sensibilis* Womersley (2168) p. 180; Ireland.
1931. *Isotoma* (*Pseudisotoma*) *sensibilis* Bonet (205) p. 381; Czechoslovakia, in caves.
1931. *Vertagopus* (*Pseudisotoma*) *sensibilis* Denis (639) p. 218; Germany.
1931. *Isotoma sensibilis* Lindroth (1286) p. 129; Iceland.
1932. *Pseudisotoma sensibilis* Brown (312) p. 333; North Canada.
1932. *Isotoma* (*Pseudisotoma*) *sensibilis* Handschin (1010) p. 479; Java.
1933. *Isotoma sensibilis* James (1124) p. 95; Canada.
1933. *Isotoma* (*Pseudisotoma*) *sensibilis* Mills and Rolfs (1431) p. 79; Washington.
1933. *Pseudisotoma sensibilis* Schubert (1787) p. 212; Ecology.
1933. *Pseudisotoma sensibilis* Schubert (1789) p. 3; Germany.
1933. *Isotoma sensibilis* Turk (2007) p. 93; Britain.
1933. *Vertagopus sensibilis* Womersley (2147) p. 32; S.W. England.
1934. *Isotoma* (*Pseudisotoma*) *sensibilis* Davies (522) p. 120; Wales.
1934. *Isotoma* (*Pseudisotoma*) *sensibilis* Durkop (707) p. 499; Scandinavia; Germany.
1934. *Isotoma* (*Pseudisotoma*) *sensibilis* Jorgensen (1145) p. 7–; Greenland.
1934. *Isotoma sensibilis* Lack (1229) p. 603; Greenland.
1934. *Isotoma* (*Pseudisotoma*) *sensibilis* Mills (1417) p. 56, figs. 99, 100; Iowa.
1934. *Isotoma* (*Pseudisotoma*) *sensibilis* Peters (1576) p. 174; Greenland.
1935. *Pseudisotoma sensibilis* Schubert (1790) p. 94; Europe.
1936. *Pseudisotoma sensibilis* Brown (314) p. 613; Lapland.
1936. *Vertagopus sensibilis* Linnaniemi (1297) p. 22; = *Pseudisotoma.*
1936. *Pseudisotoma sensibilis* Madsen (1367) p. 19–; Greenland.
1936. *Pseudisotoma sensibilis* Pax and Maschke (1574) p. 146–; Ecology.
1937. *Isotoma* (*Pseudisotoma*) *sensibilis* Brown (316) p. 518; E. Greenland.
1937. *Isotoma* (*Pseudisotoma*) *sensibilis* Folsom (806) p. 78, Pl. 27, figs. 296–299; Synonymy; U.S.A.; Canada.
1937. *Pseudisotoma sensibilis* Frenzel (828) p. 302; Ecology.
1937. *Pseudisotoma sensibilis* Hammer (966) p. 10; East Greenland.
1937. *Isotoma* (*Pseudisotoma*) *sensibilis* Kseneman (1217) p. 470; Carpathians.
1937. *Pseudisotoma sensibilis* Schubert (1792) p. 126; Palaearctic; Nearctic.
1938. *Vertagopus sensibilis* Denis (665) p. 125; Italy.
1938. *Isotoma* (*Pseudisotoma*) *sensibilis* Hammer (968) p. 21; East Greenland.
1938. *Isotoma* (*Proisotoma*) *sensibilis* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Pseudisotoma sensibilis* Kseneman (1220) p. 14; Europe.
1939. *Pseudosinella sensibilis* Agrell (41) p. 2; *lapsus calami.*
1939. *Pseudisotoma sensibilis* Mills (1422) p. 159; Nth. America.
1939. *Isotoma sensibilis* Savely (1729) p. 377; Ecology.
1941. *Pseudisotoma sensibilis* Agrell (46) p. 20; Swedish Lapland.
1941. *Isotoma* (*Pseudisotoma*) *sensibilis* Buitendijk (336) p. 39, fig. 9; Descr.; Netherlands.
1942. *Isotoma* (*Pseudisotoma*) *sensibilis* Kos (1199) p. 120, figs. 6–9; Descr.; Yugoslavian Alps.
1942. *Pseudisotoma sensibilis* Marlier (1375) p. 9; Belgium.
1942. *Pseudisotoma sensibilis* Miles (1408) p. 247; Oxford, England.
1942. *Isotoma sensibilis* Mills (1423) p. 4; North Carolina.
1942. *Pseudisotoma sensibilis* Muhlmann (1467) p. 207; Europe.
1942. *Isotoma* (*Pseudisotoma*) *sensibilis* Scott (1796) p. 179; West U.S.A.
1943. *Pseudisotoma sensibilis* Agrell (47) p. 125; Sweden.
1943. *Isotoma* (*Pseudisotoma*) *sensibilis* Gisin (859) p. 163; Switzerland.
1944. *Isotoma sensibilis* Hammer (969) p. 61; North America; Greenland; Iceland; Jan Mayen I.; Spitzbergen; Lapland; Novaya Zemlya; Finland; Arctic Siberia; Europe.
1944. *Isotoma* (*Pseudisotoma*) *sensibilis* Kos (1200) p. 5–; Yugoslavia.
1944. *Pseudisotoma sensibilis* Tuxen (2010) p. 143–; Iceland.
1945. *Pseudisotoma sensibilis* Agrell (50) p. 10; Sweden.
1946. *Isotoma sensibilis* Pearse (1575) p. 139; Ecology.
1947. *Pseudisotoma sensibilis* Stach (1886) p. 309, Pl. XXV, figs. 1–9; Descr.; Distr.; Poland.
1948. *Pseudisotoma sensibilis* Salt, etc. (1724) p. 145; Ecology.
1949. *Isotoma* (*Pseudisotoma*) *sensibilis* Janetschek (1127) pp. 41, 135–143; Ecology.
1949. *Pseudisotoma sensibilis* Strenzke (1922) p. 207; Germany; Ecology.
1949. *Isotoma sensibilis* Weber (2103) p. 121; Alaska.
1951. *Isotoma* (*Pseudisotoma*) *sensibilis* Maynard (1393) p. 106, Pl. XI, 190–193; New York.
1951. *Pseudisotoma sensibilis* Praport (1610) p. 142; Poland.
1951. *Pseudisotoma sensibilis* Schaller (1746) p. 492; Ecology.
1953. *Pseudisotoma sensibilis* Hammer (972) p. 51; North Canada; Alaska.
1953. *Isotoma sensibilis* Murphy (1476) p. 193, Pl. I, fig. C.

1954. *Isotoma* (*Pseudisotoma*) *sensibilis* Strenzke (1925) p. 56; Germany.
1955. *Isotoma* (*Pseudisotoma*) *sensibilis* Goto (918) p. 31; British Isles.
1955. *Isotoma* (*Pseudisotoma*) *sensibilis* Goto (921) p. 267; Britain.
1955. *Pseudisotoma sensibilis* Stach (1893) p. 130, fig. 370; Holarctic.
1955. *Isotoma* (*Pseudisotoma*) *sensibilis* Strenzke (1926) p. 42; Scandinavia; Germany.
1956. *Isotoma* (*Pseudisotoma*) *sensibilis* Gisin (901) p. 478; Madeira.
1956. *Isotoma* (*Pseudisotoma*) *sensibilis* Goto (926) p. 8; Outer Hebrides.
1956. *Isotoma sensibilis* Paclt (1541) p. 88; Biology.
1957. *Pseudisotoma sensibilis* Bodvarsson (224) p. 24; Iceland.
1957. *Isotoma sensibilis* Gisin (898) p. 110–; Switzerland.
1957. *Isotoma sensibilis* Gunhold (2280) p. 473; Ecology.
1957. *Pseudisotoma sensibilis* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Isotoma* (*Pseudisotoma*) *sensibilis* Grindbergs (2277) p. 196; Latvia.
1958. *Pseudisotoma sensibilis* Holler-Land (2283) p. 110; Ecology.
1958. *Pseudisotoma sensibilis* Kholova (1169) p. 235; Bohemia.
1958. *Isotoma sensibilis* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1958. *Pseudisotoma sensibilis* von Torne (1993) p. 666; Austria.
1959. *Pseudisotoma sensibilis* Bellinger (174) p. 22; Connecticut.
1959. *Pseudisotoma sensibilis* Da Gama (494) p. 30, fig. XIV; Madeira.
1959. *Pseudisotoma sensibilis* Da Gama (2266) p. 21; Portugal.
1959. *Isotoma sensibilis* Haybach (2375) Tab. VIII; Ecology.
1959. *Pseudisotoma sensibilis* Stach (1896) p. 30; Poland.
1959. *Isotoma* (*Pseudisotoma*) *sensibilis* Wilkey (2350) p. 223; California.
1960. *Pseudisotoma sensibilis* Bodvarsson (2412) p. 174; Färoes.
1960. *Pseudisotoma sensibilis* Gisin (2271) p. 202, fig. 371; Greenland; Russia; Caucasus; Yugoslavia; France.
1960. *Isotoma* (*Pseudisotoma*) *sensibilis* Grindbergs (2373) p. 41; U.S.S.R.
1960. *Pseudisotoma sensibilis* Selga (2333) p. 3; Canary Is.

Genus: ISOTOMIELLA Bagnall, 1940 (119) p. 95.

Type species fixed: *I. minor* (Schäffer) by Bagnall, 1940 (119) p. 95.

Isotomiella africana Delamare Deboutteville, 1950

1950. *Isotomiella africana* Delamare Deboutteville (570) p. 254; Ivory Coast.

Isotomiella africana minor Delamare Deboutteville, 1950

1950. *Isotomiella africana minor* Delamare Deboutteville (570) p. 53–, figs. 17, 49; Ivory Coast.
1951. *Isotomiella africana minor* Delamare Deboutteville (577) p. 271; Africa.

Isotomiella africana paraminor Delamare Deboutteville, 1950

1950. *Isotomiella africana paraminor* Delamare Deboutteville (570) p. 60–, fig. 17; Ivory Coast.

Isotomiella bidentata Delamare Deboutteville, 1950

1950. *Isotomiella bidentata* Delamare Deboutteville (570) p. 66–, figs. 17, 49; Ivory Coast.
1951. *Isotomiella bidentata* Delamare Deboutteville (577) p. 277; Ivory Coast.
1952. *Isotomiella bidentata* Delamare Deboutteville (2267) p. 66; Ivory Coast.

Isotomiella distinguenda Bagnall, 1939

1939. *Isotomiella distinguenda* Bagnall (119) p. 96; Britain.

Isotomiella media Gisin, 1948

TYPE: Mus. Hist. Natur., Geneva.
1948. *Isotomiella media* Gisin (867) p. 88; Switzerland.

Isotomiella minor (Schäffer) 1896

1896. *Isotoma minor* Schaeffer (1735) p. 182, fig. 65; Germany.
1898. *Isotoma minor* Scherbakow (1750) p. 59; Kiev, Russia.
1898. *Isotoma minor* Scherbakow (1751) p. 10; Kiev, Russia.
1900. *Isotoma minor* Axelson (75) p. 113; Finland; Germany; Russia.
1900. *Isotoma muscorum* Schäffer (1739) p. 255; Germany.
1901. *Isotoma minor* Börner (234) p. 53, Pl. II, figs. 3, 24-A; Central Europe.
1901. *Isotoma minor* Krausbauer (1204) p. 69; Germany.
1902. *Isotoma minor* Becker (158) p. 28; Russia.
1902. *Isotoma minor* Schött (1772) p. 23; Sweden; Boreal.
1903. *Isotoma minor* Ågren (55) p. 138; Sweden.
1904. *Isotoma minor* Axelson (79) p. 71; Norway.
1905. *Isotoma minor* Axelson (81) p. 34; Tvärminne, Finland.
1905. *Isotoma minor* Axelson (82) p. 13; Reval, Russia.
1905. *Isotoma minor* Philiptschenko (1586) p. 3; Bologoi, Russia.
1906. *Isotoma minor* Wahlgren (2080) p. 256; Sweden.
1907. *Isotoma minor* Axelson (83) p. 131; Finland.
1907. *Isotoma minor* Axelson (84) p. 9; North Finland.
1907. *Isotoma minor* Wahlgren (2082) p. 225; Lule lappmark; Torne lappmark.
1909. *Isotoma minor* Collinge and Shoebotham (471) p. 88; England.
1910. *Isotoma minor* Collinge and Shoebotham (472) p. 107, fig. 5; England.
1911. *Isotoma minor* Axelson (1291) p. 19; Norway.
1912. *Isotoma minor* Axelson (1292) p. 172, Pl. XIII, figs. 22–26; Discussion; Finland.
1917. *Isotoma minor* Shoebotham (1823) p. 221; England.
1919. *Isotoma minor* Brown (297) p. 64; England.
1919. *Isotoma minor* Wahlgren (2089) p. 751; Sweden.
1920. *Isotoma minor* Stach (1859) p. 163; Poland; North and Mid Europe.
1922. *Isotoma minor* Latzel (1250) p. 58; Ostalpen and Karstes.
1922. *Isotoma minor* Morris (1456) p. 288; Ecology.
1922. *Isotoma minor* Stach (1860) p. 23; Hungary.
1923. *Isotoma minor* Brown (302) p. 262; England.
1924. *Isotoma minor* Denis (614) p. 291; France.
1924. *Isotoma minor* Handschin (981) p. 113; Switzerland.
1924. *Isotoma minor* Handschin (983) p. 85; Europe.
1925. *Isotoma minor* Denis (617) p. 211; Italy.
1925. *Isotoma minor* Womersley (2153) p. 219; S.W. England.

1927. *Isotoma minor* Morris (1457) p. 446; Ecology.
1927. *Isotoma minor* Womersley (2154) p. 376; S.W. England.
1928. *Isotoma minor* Handschin (1002) p. 542; Mexico.
1929. *Isotoma minor* Handschin (1008) p. 65, fig. 116; North and Middle Europe.
1929. *Isotoma minor* Stach (1869) p. 291; North and Middle Europe.
1931. *Isotoma minor* Denis (638) p. 126; Costa Rica.
1931. *Isotoma minor* Denis (639) p. 216; Germany.
1932. *Isotoma minor* Durkop (706) p. 235; Germany.
1932. *Isotoma minor* Folsom (801) p. 63, Pl. 6, figs. 67–71; Description; Hawaii.
1932. *Isotoma minor* Kseneman (1211) p. 17; Czechoslovakia.
1933. *Isotoma minor* Denis (645) p. 239; Add. descr.
1933. *Isotoma minor* Schubert (1787) p. 184; Ecology.
1933. *Isotoma minor* Turk (2007) p. 93; Britain.
1934. *Isotoma minor* Agrell (37) p. 224; Ecology, Sweden.
1934. *Isotoma minor* Davies (522) p. 120; Wales.
1934. *Isotoma minor* Durkop (707) p. 500; Finland; Germany.
1934. *Isotoma minor* Mills (1417) p. 57, fig. 101; Iowa; U.S.A.; Europe.
1934. *Isotoma minor* Schubert (1788) p. 528; in a marsh.
1934. *Isotoma minor* Volz (2069) p. 170–; Ecology.
1935. *Isotoma minor* Carpenter (400) p. 371; Marquesas.
1935. *Isotoma minor* Ford (809) p. 198; Ecology.
1935. *Isotoma minor* Schubert (1790) p. 94; Europe.
1936. *Isotoma minor* Womersley (2183) p. 321; New Zealand.
1937. *Isotoma minor* Drenowski (695) p. 2; Bulgaria.
1937. *Isotoma* (*Isotoma*) *minor* Folsom (806) p. 94, Pl. 30, figs. 346–352; Description and distribution; U.S.A.; Europe.
1937. *Isotoma minor* Frenzel (828) p. 296; Ecology.
1937. *Isotoma minor* Hammer (966) p. 10; E. Greenland.
1937. *Isotoma minor* Kseneman (1217) p. 470; Carpathians.
1937. *Isotoma minor* Schubert (1792) p. 126; Europe.
1938. *Isotomiella minor* Bagnall (117) p. 96; Synonymy; Britain.
1938. *Isotoma minor* Brimley (275) p. 15; North Carolina.
1938. *Isotoma minor* Hammer (968) p. 23; E. Greenland.
1938. *Isotoma minor* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Isotoma minor* Kseneman (1220) p. 15; Europe.
1938. *Isotoma minor* Mills (1421) p. 15; North Carolina.
1938. *Isotoma minor* Strebel (1917) p. 123; Germany, Ecology.
1939. *Isotoma minor* Arlé (64) p. 125; Costa Rica.
1939. *Isotomiella distinguenda* Bagnall (119) p. 96; Britain, Taxonomy.
1939. *Isotomiella minor* Bagnall (119) p. 96; Add. description.
1939. *Isotoma minor* Stach (1881) p. 398; caves in Glatzer Schneeberges.
1939. *Isotoma* (*Isotoma*) *minor* Yosii (2223) p. 381, fig. 19; Japan.
1941. *Isotoma minor* Agrell (46) p. 20; Swedish Lapland.
1941. *Isotomiella minor* Salmon (1676) p. 338, figs. 242–244; New Zealand.
1941. *Isotoma minor* Tarsia in Curia (1955) p. 258; Italy.
1942. *Isotomiella minor* Gisin (851) p. 293, fig. 6; Switzerland; Add. descr.
1942. *Isotoma minor* Kos (1199) p. 129, fig. 16; Yugoslavian Alps.
1942. *Isotoma minor* Marlier (1375) p. 9; Belgium.
1943. *Isotoma minor* Agrell (47) p. 125; Sweden.
1943. *Isotomiella minor* Gisin (853) p. 167; Switzerland.
1944. *Isotoma minor* Hammer (969) p. 61; North America; Greenland; Lapland; Finland; Switzerland.
1944. *Isotoma minor* Kos (1200) p. 5–; Yugoslavia.
1944. *Isotoma minor* Tuxen (2010) p. 143; Iceland.
1945. *Isotoma minor* Agrell (50) p. 10; Sweden; Norway; Talpa, Arvicola and mouse nests.
1946. *Isotoma minor* Pearse (1575) p. 139; Ecology.
1947. *Isotoma minor* Buitendijk (337) p. 337, fig. 1; Description; Netherlands; North and Middle Europe.
1947. *Isotomiella minor* Gisin (866) p. 79; Switzerland.
1947. *Isotomiella minor* Stach (1886) p. 299, Pl. XXXIV; Revised description; Poland.
1948. *Isotomiella minor* Franz and Beier (821) p. 477–; Ecology.
1948. *Isotomiella media* Gisin (867) p. 84; Switzerland.
1948. *Isotomiella minor* Gisin (867) p. 81; Switzerland.
1948. *Isotomiella minor* Salt (1724) p. 145; Ecology.
1948. *Isotoma minor* Weis-Fogh (2109) p. 200, Tab. VIII; Denmark.
1948. *Isotoma minor* Zimmerman (2237) p. 56, fig. 22 a-e; Hawaii.
1949. *Isotomiella minor* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Isotomiella minor* Schaller (1742) p. 268; Ecology.
1949. *Isotomiella minor* Strenzke (1922) p. 407; Germany; Ecology.
1950. *Isotomiella minor* Delamare Deboutteville (570) pp. 49, 238, fig. 49; France.
1950. *Isotoma minor* Wray (2216) p. 62; Utah.
1951. *Isotomiella minor* Delamare Deboutteville (575) p. 58; Oriental Pyrenees.
1951. *Isotomiella minor* Gisin (877) p. 85; Switzerland.
1951. *Isotomiella minor* Praport (1610) p. 141; Poland.
1951. *Isotomiella minor* Schaller (1746) p. 463; Ecology.
1951. *Isotomiella minor* Stach (1889) p. 71, fig. 7; Europe; America; Japan; New Zealand.
1951. *Isotoma minor* Van der Drift (2055) p. 90–; Ecology.
1952. *Isotoma minor* Baudissin (152) p. 56; Ecology.
1952. *Isotomiella minor* Gisin (882) p. 20; Switzerland.
1952. *Isotoma minor* Haarlov (956) p. 425; Denmark.
1952. *Isotomiella minor* Hammer (971) p. 413; Greenland.
1952. *Isotomiella minor* Mihelcic (1406) p. 96; Ecology.
1953. *Isotomiella minor* Delamare Deboutteville (584) p. 313; France.
1953. *Isotoma minor* Gisin (885) p. 233; Jan Mayen I.
1953. *Isotomiella minor* Hazelton and Glennie (1037) p. 273; Britain.
1953. *Isotoma minor* Wray (2210) p. 148; Puerto Rica.
1954. *Isotomiella minor* Bellinger (174) p. 21; Connecticut.
1954. *Isotomiella minor* Cassagnau (418) p. 623; France; Spain.
1954. *Isotomiella minor* Delamare Deboutteville (589) pp. 435, 451; France.

1954. *Isotomiella minor* Macfadyen (1339) p. 291; Jan Mayen I.
1954. *Isotomiella minor* Travé (2000) p. 209; France.
1955. *Isotomiella minor* Cassagnau and Delamare Deboutteville (428) p. 383; Lebanon.
1955. *Isotomiella minor* Goto (918) p. 32; British Isles.
1955. *Isotomiella minor* Goto (921) p. 268; Britain.
1955. *Isotomiella minor* Haarlov (958) p. 174–; Ecology.
1955. *Isotomiella minor* Kuhnelt (1223) p. 12–, fig. 2(q); Ecology.
1955. *Isotomiella minor* Palissa (1545) p. 482; Ecology.
1955. *Isotomiella minor* Stach (1893) p. 129, figs. 367–369; Cosmopolitan.
1955. *Isotomiella minor* Strenzke (1926) p. 44; Finland; Holstein.
1955. *Isotoma minor* Uchida (2034) p. 200; Japan.
1956. *Isotomiella minor* Bockemuhl (193) p. 141; Spitzbergen.
1956. *Isotomiella minor* Gisin (895) p. 12; Geneva.
1956. *Isotomiella minor* Gisin (896) p. 8; Geneva.
1956. *Isotomiella minor* Goto (926) p. 8; Outer Hebrides.
1956. *Isotomiella minor* Loksa (1310) p. 380; Ecology.
1956. *Isotomiella minor* von Torne (1990) p. 500; Europe.
1956. *Isotoma minor* Wray and Knowlton (2214) p. 3; Idaho.
1957. *Isotomiella minor* Bodvarsson (2252) p. 29; Iceland.
1957. *Isotomiella minor* Gisin (898) p. 110–; Switzerland.
1957. *Isotomiella minor* Gunhold (2280) p. 475–; Ecology.
1957. *Isotomiella minor* Haarlov (2281) p. 12; Denmark, habitat.
1957. *Isotoma minor* Kuhnelt (1224) p. 87; Ecology.
1957. *Isotoma minor* Uchida (2042) p. 38; Japan.
1958. *Isotomiella minor* Grindbergs (2277) p. 197; Latvia.
1958. *Isotomiella minor* Holler-Land (2283) p. 110; Ecology.
1958. *Isotomiella minor* Kholova (1169) p. 234; Bohemia.
1958. *Isotomiella minor* Nosek (1503) p. 357–; Czechoslovakia.
1958. *Isotomiella minor* Palissa (2318) p. 467; Germany.
1958. *Isotomiella minor* von Torne (1993) p. 668; Austria.
1959. *Isotomiella minor* Da Gama (494) p. 29; Madeira.
1959. *Isotomiella minor* Da Gama (2266) p. 21; Portugal.
1959. *Isotoma minor* Franz and Gunhold *et al.* (2369) p. 50; Communities.
1959. *Isotomiella minor* Haybach (2375) Tab. VIII; Ecology.
1959. *Isotomiella minor* Holler-Land (2284) p. 429; Ecology, Germany.
1959. *Isotomiella minor* Paclt (2317) p. 339; Europe.
1959. *Isotomiella minor* Palissa (2319) p. 278–; Ecology.
1959. *Isotomiella minor* Poole (1604) p. 76–; Food of Collembola.
1959. *Isotomiella minor* Stach (1896) p. 29; Poland.
1959. *Isotomiella minor* Steiner (2343) p. 462; Spain.
1959. *Isotomiella minor* Yosii (2355) p. 19, fig. 10-A; Malaya.
1960. *Isotomiella minor* Gisin (2271) p. 185, figs. 38, 340–1; Greenland; Malta; Caucasus.
1960. *Isotomiella minor* Grindbergs (2373) p. 39; U.S.S.R.
1960. *Isotomiella minor* Palissa (2319) p. 380; Systematics, Ecology.

Isotomiella minor madeirensis Da Gama, 1959

1959. *Isotomiella minor madeirensis* Da Gama (494) p. 29, fig. xiii; Madeira.
1959. *Isotomiella minor madeirensis* Da Gama (2266) p. 21; Portugal.

Isotomiella paraminor Gisin, 1942

TYPE: Mus. Nat. Hist., Geneva.
1942. *Isotomiella paraminor* Gisin (851) p. 294, fig. 7; Europe.
1943. *Isotomiella paraminor* Gisin (853) p. 167; Switzerland.
1947. *Isotomiella paraminor* Stach (1886) p. 298; Swiss Alps; Rila Mts. (Bulgaria).
1957. *Isotomiella paraminor* Selga (1805) p. 114; Galicia.
1959. *Isotomiella paraminor* Franz and Gunhold (2369) p. 50; Communities.
1959. *Isotomiella paraminor* Haybach (2375) Tab. VIII; Ecology.
1960. *Isotomiella paraminor* Gisin (2271) p. 185, fig. 342; Spain; Austria; Bulgaria; Switzerland.

Genus: FRISONIA Wray, 1952 (2204) p. 101.
Type species fixed: *F. veca* Wray, by Wray, 1952 (2204) p. 101.

Frisonia veca Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Frisonia veca* Wray (2204) p. 101, figs. 35–42; Illinois.

Genus: ISOTOMURODES Bagnall, 1949 (127) p. 86.
Type species fixed: *I. gelida* (Folsom), by Bagnall, 1949 (127) p. 86.

Isotomurodes gelida (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Isotoma* (*Isotoma*) *gelida* Folsom (806) p. 106, Pl. 35, figs. 412–417; Illinois.
1942. *Isotoma gelida* Scott (1796) p. 179; West U.S.A.
1947. *Isotoma gelida* Stach (1886) p. 358; U.S.A.; Systematics.
1949. *Isotomurodes gelida* Bagnall (127) p. 86; Taxonomy.
1951. *Isotoma gelida* Wilkey (2120) p. 79; Colorado.

Genus: RHODANELLA Salmon, 1945 (1684) p. 69.
= *Rhodesia* Womersley, 1934 (2178) p. 132.
Type species fixed: *R. minos* (Denis), by Womersley, 1934 (2178) p. 132, Monotype; see also Salmon, 1945 (1684) p. 69.

Rhodanella minos (Denis) 1928

1928. *Vertagopus minos* Denis (631) p. 3, figs. 5–15; Italian Somaliland.
1932. *Vertagopus minos* Womersley (2177) pp. 455, 469, fig. 6 a-g; South Rhodesia.
1934. *Rhodesia minos* Womersley (2178) p. 132; Sth. Rhodesia; Italian Somaliland; Add. descr.
1945. *Rhodanella minos* Salmon (1684) p. 69; Taxonomy.
1956. *Rhodanella minos* Paclt (1541) p. 49.
1959. *Rhodanella minos* Paclt (2316) p. 45; Sth. Africa.

Genus: ISOTOMINA Börner, 1903 (239) p. 140.
= *Hemisotoma* Bagnall, 1949 (127) p. 94.

Type species fixed: *I. agreni* Börner, by Börner, 1903 (239) p. 171.

Isotomina agreni Börner, 1903

1903. *Isotoma agreni* Börner (239) p. 140, fig. 7; Italy.
1903. *Isotomina agreni* Börner (239) p. 171; Type designation.
1925. *Isotomina agreni* Denis (617) p. 211; Italy.
1927. *Isotomina agreni* Denis (629) p. 193; Italy; Morphology; ocelli ratios.
1933. *Proisotoma similis* James (1124) p. 99; Toronto region; cf. Gisin (855) p. 27.
1937. *Proisotoma* (*Proisotoma*) *decemoculata* Folsom (806) p. 60; Illinois.
1942. *Proisotoma* (*Isotomina*) *agreni* Gisin (851) p. 290; Switzerland.
1943. *Proisotoma* (*Isotomina*) *agreni* Gisin (853) p. 163; Switzerland.
1944. *Proisotoma* (*Isotomina*) *agreni* Gisin (855) p. 27; Switzerland; Revised descr.; Synonymy.
1943. *Isotomina agreni* Strebel (1919) p. 116; Ecology.
1960. *Proisotoma agreni* Gisin (2271) p. 200; Italy.

Isotomina albaredai Selga, 1962

HOLOTYPE: Inst. Nac. Edafol. y Agrobiol., C.S.I.C., Madrid.
1962. *Isotomina albaredai* Selga (2553) p. 311 and fig.; Spain.

Isotomina bituberculata (Wahlgren) 1906

1906. *Isotoma bituberculata* Wahlgren (2081) p. 4, figs. 5–8; Khartoum.
1907. *Proisotoma bituberculata* Börner (244) p. 163; Khartoum.
1926. *Isotoma bituberculata* Handschin (990) p. 120, figs. 7–9; Algeria.
1929. *Isotoma bituberculata* Handschin (1007) p. 27; Sudan.
1934. *Isotoma bituberculata* Womersley (2177) pp. 454, 469; South Africa; Algeria; Sudan.
1947. *Isotoma bituberculata* Stach (1886) p. 267; Nth. Africa; Egypt.
1958. *Isotomina bituberculata* Christiansen (2264) p. 71; Syria; Lebanon.
1959. *Isotoma bituberculata* Paclt (2316) p. 43; South Africa.
1960. *Isotomina bituberculata* Gisin (2271) p. 201; Egypt.

Isotomina caeca Gisin, 1960

TYPE: Mus. Hist. Natur., Geneva.
1960. *Isotomina caeca* Gisin (2371) p. 321, fig. 14; England.

Isotomina cardusi Selga, 1962

TYPE: Lab. Zool., Suelo Instit. Edaf. Agrobiol., Madrid.
1962. *Isotomina cardusi* Selga (2581) p. 18, fig. 1; Annobon I., Gulf of Guinea.

Isotomina coeruleo-grisea (Hammer) 1938

TYPE: Auth. Colln., Fredensborg, Denmark.
1938. *Isotoma coeruleo-griseus* Hammer (967) p. 43, figs. 1, 2; Greenland.
1947. *Isotomina coeruleo-grisea* Stach (1886) p. 268; East Greenland.
1952. *Isotomina coeruleogrisea* Hammer (971) p. 413; Greenland.
1953. *Isotomina coeruleo-griseus* Hammer (972) p. 51; North Canada.
1959. *Isotomina coeruleo-grisea* Da Gama (494) p. 29; Madeira.
1959. *Isotomina coeruleo-grisea* Da Gama (2266) p. 20; Portugal.
1960. *Isotomina coeruleogrisea* Gisin (2271) p. 199; Arctic.

Isotomina cognata (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma* (*Proisotoma*) *cognata* Folsom (806) p. 65, Pl. 24, figs. 273–275; Louisiana.
1947. *Isotomina cognata* Stach (1886) p. 265; U.S.A., Louisiana.

Isotomina constricta (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma* (*Proisotoma*) *constricta* Folsom (806) p. 64, Pl. 24, figs. 269–272; Florida.
1947. *Isotomina constricta* Stach (1886) p. 265; U.S.A., Florida.

Isotomina debilis Cassagnau, 1959

TYPE: Auth. Colln., Univ. Toulouse, France.
1959. *Isotomina debilis* Cassagnau (2262) p. 84, fig. 8; France.

Isotomina elegans Rapoport and de Izarra, 1962

1962. *Isotomina elegans* Rapoport and de Izarra (2579) p. 252, figs. 21–30; Argentina.

Isotomina exilis Gisin, 1960

TYPE: Mus. Hist. Natur., Geneva.
1960. *Isotomina exilis* Gisin (2371) p. 320, figs. 12–13; Germany.

Isotomina fasciata Carpenter, 1912

SYNTYPES, LECTOTYPE: Manchester Mus., England.
1912. *Isotomina fasciata* Carpenter (387) p. 80, figs. 1–5; South Nigeria.
1934. *Proisotoma* (*Isotomina*) *fasciata* Womersley (2177) p. 469; Nigeria.
1943. *Isotomina fasciata* Strebel (1919) p. 119; Germany.

Isotomina gracilis Stach, 1962

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1962. *Isotomina gracilis* Stach (2558) p. 11, Pl. IV. f. 1–7; Spitzbergen.

Isotomina hirsuta Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Isotomina hirsuta* Denis (638) p. 120, figs. 94–97; Costa Rica.
1943. *Isotomina hirsuta* Strebel (1919) p. 119; Germany.

Isotomina indica Brown, 1932

1932. *Proisotoma* (*Isotomina*) *indica* Brown (311) p. 35, figs. 1–5; India.
1947. *Isotomina indica* Stach (1886) p. 267; India.

Isotomina innominata Strebel, 1943

1943. *Isotomina innominata* Strebel (1919) p. 119; Germany.

Isotomina interrupta (Schött) 1926

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1926. *Proisotoma* (*Isotomina*) *interrupta* Schött (1779) p. 9, Pl. I, figs. 14–17; Cameroons.
1934. *Proisotoma* (*Isotomina*) *interrupta* Womersley (2177) p. 469; Cameroons.
1943. *Isotomina interrupta* Strebel (1919) p. 119; Germany.
1947. *Isotomina interrupta* Stach (1886) p. 264; Cameroons.

Isotomina orientalis Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Isotomina orientalis* Stach (1886) p. 275, Pl. XXXI, figs. 1–8; Ukraine.
1955. *Isotomina orientalis* Stach (1893) p. 127; Poland.
1960. *Isotomina orientalis* Gisin (2271) p. 201; Ukraine.
1960. *Isotomina orientalis* Grindbergs (2373) p. 41; U.S.S.R.

Isotomina pentatoma Börner, 1906

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1906. *Proisotoma pentatoma* Börner (243) p. 172; Brazil.
1906. *Isotomina pentatoma* Börner (243) p. 172; Brazil.
1943. *Isotomonina pentatoma* Strebel (1919) p. 119; Germany.
1947. *Isotomina pentatoma* Stach (1886) p. 265; Brazil.

Isotomina perisi Selga, 1960

TYPE: Lab. Zool., Suelo., Inst. Edafol. Agrobiol., Madrid.
1960. *Isotomina perisi* Selga (2334) p. 93, fig. 1; Annobon I. (Gulf of Guinea).

Isotomina pilosa (Womersley) 1934

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Proisotoma (Isotomina) pilosa* Womersley (2178) p. 98, fig. 6 (h-j); Sth. Australia.
1939. *Proisotoma (Isotomina) pilosa* Womersley (2190) p. 153, fig. 54 v-x; Sth. Australia.

Isotomina pilosa lutea Womersley, 1934

1934. *Proisotoma (Isotomina) pilosa lutea* Womersley (2178) p. 99; Australia.

Isotomina pontica Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Isotomina pontica* Stach (1886) p. 267, Pl. XXXII, figs. 6–9; Hungary; Caucasus.
1948. *Isotomina pontica* Delamare Deboutteville (559) p. 179, figs. 7–11; France; Diagnosis.
1948. *Proisotoma (Isotomina) pontica* Gisin (867) p. 88; Switzerland.
1948. *Proisotoma agreni* (Börner) Gisin (867) p. 88; Synonymy.
1950. *Isotoma pontica* Delamare Deboutteville (570) p. 120, fig. 33; France.
1955. *Isotomina pontica* Cassagnau and Delamare Deboutteville (428) p. 382; Lebanon.
1958. *Isotomina pontica* Christiansen (2264) p. 71; Lebanon.
1960. *Isotomina pontica* Gisin (2271) p. 200, fig. 368; Europe.
1960. *Isotomina pontica* Grindbergs (2373) p. 41; U.S.S.R.

Isotomina posteroculata Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Isotomina posteroculata* Stach (1886) p. 278, Pl. XXXII, figs. 1–5; Poland.
1955. *Isotomina posteroculata* Stach (1893) p. 128, fig. 362; Poland.
1960. *Isotomina posteroculata* Gisin (2271) p. 200; Poland.

Isotomina pseudominuta Schött, 1926

SYNTYPES: Sth. Austr. Mus., Adelaide.
1926. *Proisotoma (Isotomina) pseudominuta* Schött (1779) p. 10, Pl. I, figs. 18–21; Cameroons.
1934. *Proisotoma (Isotomina) pseudominuta* Womersley (2177) p. 409; Cameroons.
1943. *Isotomina pseudominuta* Strebel (1919) p. 119; Germany.

Isotomina salaymehi Christiansen, 1958

PARATYPES: Auth. Colln., Grinnell Coll., Iowa, U.S.A.
1958. *Isotomina salaymehi* Christiansen (2264) p. 72, Pl. 9, figs. 14–21; Lebanon; Syria.

Isotomina scapellifera Gisin, 1955

TYPE: Mus. Hist. Natur., Geneva.
1955. *Proisotoma (Isotomina) scapellifera* Gisin (890) p. 140; Switzerland.
1958. *Proisotoma scapellifera* Holler-Land (2283) p. 110; Ecology.
1960. *Isotomina scapellifera* Gisin (2271) p. 199; Germany.
1960. *Isotomina scapellifera* Murphy (2386) p. 55, figs. 39–44; Britain.

Isotomina separata Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Isotomina separata* Denis (638) p. 121, figs. 100–101; Costa Rica.
1943. *Isotomina separata* Strebel (1919) p. 119; Germany.
1947. *Isotomina separata* Stach (1886) p. 266; Costa Rica.
1952. *Proisotoma (Isotomina) separata* Delamare Deboutteville (2267) p. 66, figs. 20, 21; Ivory Coast.

Isotomina sexoculata Womersley 1934

1934. *Proisotoma (Isotomina) sexoculata* Womersley (2178) p. 97, fig. 5 (l-n); Victoria; W. Australia.
1939. *Proisotoma (Isotomina) sexoculata* Womersley (2190) p. 152, fig. 54 L-N; Australia.

Isotomina similis (James) 1933

1933. *Proisotoma similis* James (1124) p. 99, Pl. II, figs. 6–8, Pl. III, figs. 1, 2; Toronto.
1947. *Isotomina similis* Stach (1886) p. 267; Canada.

Isotomina tenelloides (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Proisotoma (Proisotoma) tenelloides* Folsom (806) p. 62, Pl. 23, figs. 259–261; Illinois.
1947. *Isotomina tenelloides* Stach (1886) p. 265; U.S.A., Illinois; Systematics.

Isotomina thermophila (Axelson) 1900

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1900. *Isotoma thermophila* Axelson (75) p. 113; Finland.
1907. *Proisotoma thermophila* Axelson (83) p. 130; Finland.
1912. *Proisotoma (Isotomina) thermophila* Axelson (1292) p. 135, Pl. I, fig. 16, Pl. X, figs. 22–32; Finland; Diagnosis.
1927. *Isotomina thermophila* Denis (629) p. 192; Italy.
1930. *Proisotoma (Isotomina) thermophila* Stach (1869) p. 287; Finland; Poland.
1932. *Isotomina (Proisotoma) thermophila* Durkop (706) p. 235; Germany.
1932. *Proisotoma (Isotomina) thermophila* Kseneman (1211) p. 17, figs. 17–19; Czechoslovakia.
1934. *Proisotoma (Isotomina) thermophila* Durkop (707) p. 499; Systematics.
1934. *Proisotoma thermophila* Mills (1417) p. 53, figs. 95, 96; Iowa.
1934. *Proisotoma (Isotomina) thermophila* Womersley (2178) p. 97, T. fig. 5 a-e; Australia.
1938. *Isotomina thermophila* Kseneman (1220) p. 14; Europe.
1939. *Proisotoma thermophila* Thomas (1969) p. 19; Ecology.
1939. *Proisotoma (Isotomina) thermophila* Womersley (2190) p. 152, fig. 54 A-E; Australia.

1943. *Isotomina thermophila* Agrell (47) p. 125; Sweden.
1943. *Isotomina thermophila* Gisin (853) p. 163; Switzerland.
1943. *Isotomina (Proisotoma) thermophila* Strebel (1919) p. 117; Germany.
1943. *Isotomina thermophila* Strebel (1919) p. 119; Germany.
1947. *Isotomina thermophila* Stach (1886) p. 271, Pl. XXX; Europe, perhaps cosmopolitan.
1948. *Isotomina thermophila* Franz and Beier (821) p. 467; Ecology.
1948. *Proisotoma thermophila* Gisin (867) p. 80; Switzerland.
1948. *Isotomina thermophila* Salmon (1687) p. 295, fig. 16; Three Kings Is., New Zealand.
1949. *Isotomina thermophila* Strenzke (1922) p. 207; Germany, Ecology.
1950. *Isotomina thermophila* Delamare Deboutteville (570) p. 143; France.
1951. *Proisotoma thermophila* Schaller (1746) p. 463; Ecology.
1951. *Proisotoma (Isotomina) thermophila* Strenzke (1923) p. 84; Germany.
1951. *Proisotoma thermophila* Wilkey (2120) p. 79; Colorado.
1952. *Isotomina thermophila* Delamare Deboutteville (2267) p. 67; Ivory Coast.
1954. *Isotomina thermophila* Cassagnau (418) p. 623; France.
1954. *Proisotoma (Isotomina) thermophila* Strenzke (1925) p. 54; Germany; Finland.
1955. *Proisotoma (Isotomina) thermophila* Palissa (1545) p. 482; Ecology.
1955. *Isotomina thermophila* Stach (1893) p. 127, figs. 358–361; Added description.
1955. *Proisotoma (Isotomina) thermophila* Strenzke (1926) p. 2, fig. 1; Europe.
1956. *Proisotoma (Isotomina) thermophila* Bockemuhl (193) p. 140; Spitzbergen.
1956. *Proisotoma (Isotomina) thermophila* Brinck (277) p. 125; Sweden.
1956. *Proisotoma thermophila* Gisin (896) p. 8; Geneva.
1956. *Proisotoma thermophila* Wray and Knowlton (2215) p. 8; Utah.
1957. *Isotomina thermophila* Selga (1805) p. 114; Galicia.
1958. *Proisotoma thermophila* Holler-Land (2283) p. 110; Ecology.
1958. *Proisotoma thermophila* Mrohs (1463) p. 325–; Ecology.
1959. *Isotomina thermophila* Da Gama (494) p. 27; Madeira.
1959. *Isotomina thermophila* Da Gama (2266) p. 19, fig. III; Portugal.
1959. *Proisotoma (Isotomina) thermophila* Palissa (2319) p. 278; Ecology.
1959. *Isotomina thermophila* Rapoport (2324) p. 79, figs. 1–5; Argentina.
1960. *Isotomina thermophila* Gisin (2271) p. 201; Cosmopolitan.
1960. *Isotomina thermophila* Grindbergs (2373) p. 41; U.S.S.R.
1960. *Proisotoma (Isotomina) thermophila* Palissa (2319) p. 373; Systematics and Ecology.

Isotomina thermophila annobonensis Selga, 1962

TYPE: Lab. Zool. Suelo, Inst. Edafol. Agrobiol., Madrid.
1962. *Isotomina thermophila annobonensis* Selga (2581) p. 20; Annobon I., Gulf of Guinea.

Isotomina thermophila anomala (Linnaniemi) 1907

1907. *Proisotoma thermophila anomala* Axelson (83) p. 130; Finland.
1912. *Proisotoma (Isotomina) thermophila anomala* Linnaniemi (1292) p. 136, Pl. X, figs. 31, 32; Finland.
1933. *Isotomina thermophila anomala* Denis (645) p. 237; Costa Rica.
1960. *Proisotoma (Isotomina) anomala* Palissa (2319) p. 373; Systematics, Ecology.

Isotomina thermophila C.R.I. Denis, 1931

1931. *Isotomina thermophila f. C.R.I.* Denis (638) p. 122, figs. 98–99; Costa Rica.
1933. *Isotomina thermophila f. C.R.I.* Denis (645) p. 237; Costa Rica.

Isotomina thermophila impunctata (Linnaniemi) 1912

1907. *Proisotoma thermophila* Axelson (83) p. 130; Finland.
1912. *Proisotoma (Isotomina) thermophila impunctata* Linnaniemi (1292) p. 137, Pl. X, figs. 26–30; Finland.
1954. *Proisotoma (Isotomina) thermophila impunctata* Strenzke (1925) p. 54; Germany; Finland.
1960. *Proisotoma (Isotomina) thermophila impunctata* Palissa (2319) p. 374; Systematics and Ecology.

Isotomina womersleyi (Womersley, 1935), Stach, 1947

1935. *Isotoma decemoculata* Womersley (2181) p. 126, fig. 4 m-p; Sth. Australia.
1947. *Isotomina womersleyi* Stach (1886) p. 268; Sth. Australia.

Genus: PROISOTOMODES Bagnall, 1949 (127) p. 84.

Type species fixed: *P. bipunctata* (Axelson) by Bagnall, 1949 (127) p. 84.

Proisotomodes bipunctata (Axelson) 1903

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1903. *Isotoma bipunctata* Axelson (77) p. 9; Finland.
1905. *Isotoma bipunctata* Axelson (81) p. 34; Tvärminne, Finland.
1905. *Isotoma bipunctata* Axelson (82) p. 13; Russia.
1907. *Isotoma bipunctata* Axelson (83) p. 131; Finland.
1911. *Isotoma bipunctata* Axelson (1291) p. 18; Norway.
1912. *Isotoma bipunctata* Axelson (1292) p. 170, Pl. I, 18, Pl. XIII, figs. 17–21; Finland.
1924. *Isotoma bipunctata* Handschin (981) p. 113, fig. 67; Switzerland.
1928. *Isotoma bipunctata* Handschin (1003) p. 127; East Prussia.
1929. *Isotoma bipunctata* Handschin (1008) p. 66, fig. 117; Switzerland; Finland; Baltics.
1930. *Isotoma bipunctata* Womersley (2168) p. 181; Ireland.
1931. *Isotoma bipunctata* Denis (637) p. 11; Italy.
1931. *Isotoma bipunctata* Denis (639) p. 215; Germany.
1932. *Isotoma bipunctata* Denis (641) p. 374; France.
1932. *Isotoma bipunctata* Durkop (706) p. 235; Germany.
1934. *Isotoma bipunctata* Davies (522) p. 120; Wales.
1934. *Isotoma bipunctata* Durkop (707) p. 500; Finland; Germany.
1936. *Isotoma bipunctata* Brown (314) p. 614; Lapland.
1937. *Isotoma bipunctata* Hammer (966) p. 10; East Greenland.
1937. *Isotoma bipunctata* Kseneman (1217) p. 470; Carpathians.
1938. *Isotoma bipunctata* Hammer (968) p. 24; East Greenland.

1938. *Isotoma bipunctata* Kseneman (1220) p. 16; Europe.
1934. *Isotoma bipunctata* Womersley (2178) p. 105; South Australia.
1939. *Isotoma bipunctata* Agrell (43) p. 1, fig. 2-b; Lapland.
1939. *Isotoma bipunctata* Bagnall (119) p. 97; Britain.
1939. *Isotoma bipunctata* Mills (1422) p. 159–; Nth. America.
1939. *Isotoma bipunctata* Womersley (2190) p. 162, fig. 56 F-H; South Australia.
1941. *Isotoma bipunctata* Tarsia in Curia (1955) p. 258; Italy.
1943. *Proisotoma* (*Isotomina*) *bipunctata* Gisin (853) p. 162; Switzerland.
1944. *Isotoma bipunctata* Hammer (969) p. 61; Greenland; Lapland; Finland; Europe.
1945. *Isotoma bipunctata* Backlund (86) p. 39; Sweden; Finland.
1947. *Proisotoma bipunctata* Gisin (866) p. 79; Switzerland.
1947. *Isotoma bipunctata* Stach (1886) p. 370, Pl. XXXIX; Poland; Lithuania; Austria; Styria.
1948. *Proisotoma bipunctata* Gisin (867) p. 81; Switzerland.
1948. *Isotoma bipunctata* Franz and Beier (821) p. 453–; Ecology.
1949. *Proisotomodes bipunctata* Bagnall (127) p. 84; Taxonomy.
1949. *Proisotoma bipunctata* Schaller (1742) p. 268; Germany, Ecology.
1949. *Isotoma bipunctata* Strenzke (1922) p. 207; Germany, Ecology.
1951. *Isotoma bipunctata* Praport (1610) p. 141; Poland.
1951. *Proisotoma bipunctata* Schaller (1746) p. 463; Germany, Ecology.
1952. *Isotoma bipunctata* Mihelcic (1406) p. 96; Ecology.
1953. *Parisotoma bipunctata* Hazelton and Glennie (1037) p. 273; Britain.
1955. *Isotoma bipunctata* Stach (1893) p. 138, figs. 400–402; Europe.
1955. *Proisotoma* (*Isotomina*) *bipunctata* Strenzke (1926) p. 36; Germany; Scandinavia.
1956. *Isotoma bipunctata* Paclt (1541) p. 39, fig. 54.
1957. *Proisotoma bipunctata* Gunhold (2280) p. 475; Ecology.
1958. *Proisotoma* (*Isotomina*) *bipunctata* Grindbergs (2277) p. 196; Latvia.
1958. *Isotoma bipunctata* Holler-Land (2283) p. 110; Ecology.
1958. *Isotoma bipunctata* von Torne (1993) p. 666; Austria.
1959. *Isotoma bipunctata* Franz and Gunhold etc. (2369) p. 50; Communities.
1959. *Isotoma bipunctata* Stach (1896) p. 32; Poland.
1960. *Isotomina bipunctata* Gisin (2271) p. 200, figs. 42, 367; Europe.
1960. *Isotomina bipunctata* Grindbergs (2373) p. 41; U.S.S.R.

Genus: ISOTOMEDIA Salmon, 1944 (1683) p. 148.
= *Metisotoma* Maynard, 1951 (1393) p. 94.
= *Micrisotoma* Bellinger, 1952 (173) p. 20.
Type species fixed: *I. triseta* Salmon, by Salmon, 1944 (1683) p. 148.

Isotomedia achromata (Bellinger) 1952

HOLOTYPE: Mus. Comp. Zool., Harvard.
PARATYPES: Bellinger, Auth. Pers. Colln.; Illinois State Nat. Hist. Surv., Urbana, Illinois.
1952. *Micrisotoma achromata* Bellinger (173) p. 20, Pl. 2; Connecticut.
1954. *Micrisotoma achromata* Bellinger (174) p. 21; Connecticut.

Isotomedia capitona (Maynard) 1951

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Metisotoma capitona* Maynard (1393) p. 95, Pl. X, figs. 176–182; New York.

Isotomedia spiniseta (Maynard) 1951

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Metisotoma spiniseta* Maynard (1393) p. 94, Pl I, fig. 7, Pl. X, figs. 168–175; New York.

Isotomedia triseta Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Isotomedia triseta* Salmon (1683) p. 148, Pl. 59, figs. 99–105; New Zealand.

Genus: SORENSIA Salmon, 1949 (1689) p. 22.
Type species fixed: *S. subflava* Salmon, by Salmon (1689) p. 22.

Sorensia anomala Salmon, 1948

TYPE: Dominion Mus., Wellington, N.Z.
1948. *Sorensia anomala* Salmon (1687) p. 293, figs. 7–11; Three Kings Is., New Zealand.

Sorensia minuta Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Sorensia minuta* Salmon (1689) p. 24, figs. 77–78; Campbell Island.

Sorensia subflava Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Sorensia subflava* Salmon (1689) p. 22, figs. 64–76; Campbell Island.

Genus: PROCERURA Salmon, 1941 (1676) p. 326.
= *Salmonides* Bagnall, 1949 (127) p. 88.
Type species fixed: *P. violacea* Salmon, by Salmon, 1941 (1676) p. 326.

Procerura fasciata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Procerura fasciata* Salmon (1676) p. 329, Pl. 51, figs. 196–199; New Zealand.
1949. *Salmonides fasciata* Bagnall (127) p. 88; Taxonomy.

Procerura montana Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Procerura montana* Salmon (1676) p. 328, Pl. 51, fig. 202; New Zealand.
1943. *Procerura montana* Salmon (1680) p. 381; New Zealand.

Procerura purpurea Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Procerura purpurea* Salmon (1676) p. 328, Pl. 52, figs. 203–205; New Zealand.

Procerura serrata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Procerura serrata* Salmon (1676) p. 329, Pl. 52, figs. 206–208; New Zealand.

Procerura violacea Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Procerura violacea* Salmon (1676) p. 327, Pl. 51, figs. 200–201; New Zealand.

Procerura violacea aequaoculata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Procerura violacea aequaoculata* Salmon (1676) p. 328; New Zealand.

Genus: SPINOCERURA Salmon, 1941 (1676) p. 332.
= *Semicerura* Maynard, 1951 (1393) p. 99.
Type species fixed: *S. capillata* Salmon, by Salmon, 1941 (1676) p. 332.

Spinocerura bishopi (Maynard) 1951

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Semicerura bishopi* Maynard (1393) p. 99, Pl. XI, figs. 184–189; New York.

Spinocerura capillata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Spinocerura capillata* Salmon (1676) p. 332, Pl. 52, figs. 212–216; New Zealand.

Genus: MILLSIA Womersley, 1942 (2193) p. 26.
Type species fixed: *M. tiegsi* by Womersley, 1942 (2193) p. 26.

Millsia tiegsi Womersley, 1942

TYPE, SYNTYPES: Sth. Austr. Mus., Adelaide.
1942. *Millsia tiegsi* Womersley (2193) p. 26, fig. 3 A-G; Victoria, Australia.

Genus: SETOCERURA Salmon, 1949 (1689) p. 33.
Type species fixed: *S. rubenota* (Salmon), by Salmon, 1949 (1689) p. 33.

Setocerura italiaiensis Arlé, 1959

1959. *Setocerura italiaiensis* Arlé (2250) p. 167, figs. 106–119; Brazil.

Setocerura maruiensis (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Tomocerura maruiensis* Salmon (1676) p. 326, Pl. 51, fig. 195; New Zealand.

Setocerura rubenota Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Tomocerura rubenota* Salmon (1676) p. 325, Pl. 51, figs. 191–194; New Zealand.

Setocerura wahlgreni Womersley, 1939

SYNTYPES: Sth. Austr. Mus., Adelaide.
1939. *Tomocerura wahlgreni* Womersley (2190) p. 321, fig. 84 A-G; Victoria, Australia.

Genus: TOMOCERURA Wahlgren, 1900 (2078) p. 265.
Type species fixed: *T. picta* Wahlgren, by Börner, 1903 (239) p. 176.

Tomocerura colonavia Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Tomocerura colonavia* Salmon (1689) p. 31, figs. 101–106; Campbell Island.

Tomocerura picta Wahlgren, 1900

1900. *Tomocerura picta* Wahlgren (2078) p. 266; Patagonia.
1903. *Tomocerura picta* Börner (239) p. 176; Taxonomy.

Genus: ALLOSCHAEFFERIA Börner, 1903 (239) p. 176.
Type species fixed: *A. conjungens* (Schaeffer), by Börner, 1903 (239) p. 176.

Alloschaefferia conjungens (Schaeffer) 1897

1897. *Isotoma conjungens* Schaeffer (1736) p. 19, figs. 46–48; Tierra del Fuego; Navarin Is.
1903. *Alloschäfferia conjungens* Börner (239) p. 176; Systematics.
1906. *Tomocerura conjungens* Wahlgren (2079) p. 17; East Falkland.
1912. *Tomocerura conjungens* Enderlein (725) p. 57; Falkland Islands.
1912. *Tomocerura conjungens* Enderlein (725) p. 128; Tierra del Fuego.

Genus: NEOPHORELLA Womersley, 1934 (2177) p. 464.
Type species fixed: *N. dubia* Womersley, by Womersley, 1934 (2177) p. 464.

Neophorella dubia Womersley, 1934

1934. *Neophorella dubia* Womersley (2177) p. 464, fig. 12 a-e; South Africa.
1953. *Neophorella dubia* Skaife (1829) p. 5, fig. 2; Africa.

Genus: ISOTOMA Bourlet, 1839 (259) p. 401.
= *Podura* Müller, 1776 (1470) p. 183–.
= *Desoria* Agassiz, 1841 (34) p. 384.
= *Desoria* Nicolet, 1841 (1492) p. 384.
= *Apoeona* Gistl, 1848 (904) p. 9.
= *Euisotoma* Börner, 1901 (239) p. 171.
= *Panchaetoma* Bagnall, 1948 (126) p. 536.
= *Australotoma* Bagnall, 1949 (127) p. 89.
= *Halisotoma* Bagnall, 1949 (127) p. 85.
= *Pedisotoma* Bagnall, 1949 (127) p. 86.
Type species fixed: *I. viridis* (Bourlet), by Börner, 1903 (239) p. 171, by selection; cf. Gisin, 1951 (878) p. 56.
Isotoma Bourlet, Proposed as Official Generic Name in the Order Collembola, by Gisin, 1954 (1100) pp. 103, 111.
Isotoma Dejean, 1834, Cat. Coléopt. (ed. 2) p. 214, and *Isotoma* Dejean, 1837, Cat. Coléopt. (ed. 3) p. 236, invalidated (*a nomen nudum*), I.C.Z.N., 1958 (2376) p. 14.
Isotoma Bourlet, 1839, Placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 93.

Isotoma acrea Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Isotoma acrea* Wray (2208) p. 82; Nth. Carolina.

Isotoma acuticauda von Olfers, 1907

1907. *Isotoma acuticauda* von Olfers (1506) p. 25, fig. 64; Bernstein.

Isotoma aequalis MacGillivray, 1896

1896. *Isotoma aequalis* MacGillivray (1345) p. 49; America.

Isotoma affinis Axelson, 1900

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1900. *Isotoma affinis* Axelson (75) p. 119; Finland.

Isotoma agilis Scherbakow, 1899

1899. *Isotoma agilis* Scherbakow (1753) p. 79, figs. 3, 4; Russia.
1905. *Isotoma agilis* Axelson (81) p. 30; Tvärminne, Finland.
1906. *Isotoma agilis* Axelson (82) p. 12; Russia.
1907. *Isotoma agilis* Axelson (83) p. 130; Finland.
1930. *Isotoma agilis* Kel'shtein (1161) p. 78; Russia.
1960. *Isotoma agilis* Grindbergs (2373) p. 64; U.S.S.R.

Isotoma agrelli Delamare Deboutteville, 1950

TYPE: Auth. Colln., Univ. Nancy, France.
1950. *Isotoma agrelli* Delamare Debouteville (568) p. 43, figs. 1–9; France.
1950. *Isotoma agrelli* Delamare Deboutteville (570) p. 143; France.
1960. *Isotoma agrelli* Gisin (2271) p. 205; France.

Isotoma agrelli pigmentata Delamare Deboutteville, 1950

TYPE: Auth. Colln., Univ. Nancy, France.
1950. *Isotoma agrelli pigmentata* Delamare Deboutteville (568) p. 44, fig. 1; France.

Isotoma albella (Packard) 1873

TYPE: Mus. Comp. Zool., Harvard.

1871. *Isotoma walkeri* Packard (1519) p. 15; North America.
1873. *Isotoma albella* Packard (1521) p. 32; Maine; Massachusetts.
1873. *Isotoma leonina* Packard (1521) p. 32; Massachusetts.
1891. *Isotoma albella* MacGillivray (1341) p. 273; Maine; Massachusetts.
1896. *Isotoma albella* MacGillivray (1345) p. 51; America.
1896. *Isotoma nivea* Schäffer (1735) p. 184; Germany.
1900. *Isotoma nivea* Axelson (75) p. 114; Finland.
1900. *Isotoma albella* Schäffer (1739) p. 256; Germany.
1902. *Isotoma nivea* Schött (1772) p. 26; Scandinavia.
1905. *Isotoma albella* Axelson (81) p. 33; Finland.
1905. *Isotoma albella* Axelson (82) p. 15; Russia.
1905. *Isotoma arborea* Becker (160) p. 92, figs. 20, 21; Russia.
1906. *Isotoma albella* Wahlgren (2080) p. 256; Sweden.
1907. *Isotoma albella* Axelson (83) p. 130; Finland.
1909. *Isotoma albella* Axelson (84) p. 11; Kanin Peninsula, Russia.
1909. *Isotoma albella* Dow and Smith (692) p. 35; New Jersey.
1911. *Isotoma albella* Axelson (1291) p. 16; Norway.
1912. *Isotoma albella* Axelson (1292) p. 155, Pl. XII, figs. 6–8; Finland; Diagnosis.
1920. *Isotoma albella* Stach (1859) p. 161; Poland; Scandinavia; Finland; Russian Lapland; North America.
1929. *Isotoma albella* Handschin (1008) p. 70; North and Middle Europe; North America.
1929. *Isotoma albella* Stach (1869) p. 290; Hungary; North Europe; North America.
1931. *Isotoma albella* Denis (639) p. 215; Germany.
1934. *Isotoma albella* Mills (1417) p. 62; Iowa.
1935. *Isotoma albella* Schubert (1791) p. 227–; Germany.
1937. *Isotoma* (*Isotoma*) *albella* Folsom (806) p. 95, Pl. 31, figs. 353–361; U.S.A.; Canada; Synonymy.
1937. *Isotoma albella* Kseneman (1217) p. 470; Carpathians.
1947. *Isotoma albella* Stach (1886) p. 407, Pl. XLIV; Poland; Lithuania; W. and Central Ukraine; Hungary.
1951. *Isotoma albella* Maynard (1393) p. 118, Pl. XII, figs. 212–215; New York.
1951. *Isotoma albella* Stach (1889) p. 23, fig. 12-B.
1953. *Isotoma albella* Hammer (972) p. 53; North Canada.
1954. *Isotoma albella* Yosii (2231) p. 802, fig. 20; Japan; add. descr.
1955. *Isotoma albella* Stach (1893) p. 136; Holarctic.
1959. *Isotoma albella* Stach (1896) p. 35; Poland.
1960. *Isotoma albella* Gisin (2271) p. 211; Europe; North America.
1960. *I.* (*Isotoma*) *albella* Grindbergs (2373) p. 45; U.S.S.R.

Isotoma albella leonina Packard, 1873

1871. *Isotoma walkeri* Packard (1519) p. 16; Embryology; cf. Folsom (806) p. 97.
1873. *Isotoma leonina* Packard (1521) p. 32; Massachusetts; cf. Folsom (806) p. 97.
1873. *Isotoma walkeri* Packard (1521) p. 34; Massachusetts.
1891. *Isotoma leonina* MacGillivray (1341) p. 273; Maine; Massachusetts.
1891. *Isotoma walkeri* MacGillivray (1341) p. 274; North America.
1896. *Isotoma walkeri* MacGillivray (1345) p. 54; America.
1903. *Isotoma leonina* Guthrie (951) p. 67; Minnesota.
1928. *Isotoma walkeri* Folsom (800) p. 11–; New York.
1933. *Isotoma leonina* James (1124) p. 77–; Toronto.
1937. *Isotoma* (*Isotoma*) *albella leonina* Folsom (806) p. 97; U.S.A.; Canada; Synonymy.
1951. *Isotoma* (*Isotoma*) *albella leonina* Maynard (1393) p. 119; New York.

Isotoma alticola, Carl, 1899

TYPE: Mus. Hist. Natur., Geneva?

1899. *Isotoma alticola* Carl (352) p. 313, figs. 37–39; Switzerland.
1901. *Isotoma alticola* Carl (354) p. 262; Switzerland.
1910. *Isotoma alticola* Babler (85) p. 874; Switzerland.
1926. *Isotoma alticolus* Stirnimann (1907) p. 252; Ecology.

Isotoma anglicana Lubbock, 1862

1862. *Isotoma anglicana* Lubbock (1315) p. 596, Pl. LIX, fig. 8; England.
1891. *Isotoma anglicana* Parfitt (1550) p. 343; England.
1924. *Isotoma anglicana* Thompson (1970) p. 361; Ecology.

Isotoma anophthalma Axelson, 1902

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.

1902. *Isotoma anophthalma* Axelson (76) p. 106; Karelia, N.W. Russia.
1904. *Isotoma anophthalma* Axelson (79) p. 69; Norway.

Isotoma aquae Bacon, 1914

1914. *Isotoma aquae* Bacon (94) p. 147, Pl. I, figs. 6–9; California.
1933. *Proisotoma aquae* Mills and Rolfs (1431) p. 79; Washington.
1937. *Proisotoma* (*Proisotoma*) *aquae* Folsom (806) p. 59, Pl. 22, figs. 245, 246, Pl. 23, figs. 247–252; Desert, California.
1939. *Proisotoma aquae* Usinger and Kellen (2049) p. 382; U.S.A.
1942. *Proisotoma aquae* Scott (1796) p. 179; West U.S.A.
1947. *Isotomina aquae* Stach (1886) p. 264; California.
1950. *Proisotoma aquae* Knowlton (1185) p. 96; in celery fields, Utah.
1950. *Proisotoma aquae* Wray (2216) p. 62; Utah.
1956. *Proisotoma aquae* Wray and Knowlton (2214) p. 3; Idaho.
1959. *Proisotoma* (*Proisotoma*) *aquae* Wilkey (2350) p. 223; California.

Isotoma aquatilis (Müller) 1776

1776. *Podura aquatilis* Müller (1470) p. 184; Denmark.
1873. *Isotoma aquatilis* Lubbock (1318) p. 170, Pl. XXXVII; Denmark.
1878. *Isotoma aquatilis* Parona (1557) p. 600; Italy.
1883. *Isotoma aquatilis* Parona (1558) p. 463; Italy.
1885. *Isotoma aquatilis* Parona (1560) p. 45; Sardinia.
1888. *Isotoma aquatilis* Parona (1563) p. 143; Italy.
1891. *Isotoma aquatelis* Parfitt (1550) p. 343; England.

Isotoma arborea Becker, 1905

1905. *Isotoma arborea* Becker (160) p. 92, figs. 20, 21; Russia.
1904. *Isotoma arborea* Carpenter (373) p. 198; Lough Gill.
1933. *Isotoma arborea* Turk (2007) p. 93; Britain.
1950. *Isotoma arborea* Wray (2216) p. 62; Utah.

Isotoma arctica Scherbakow, 1899

1899. *Isotoma arctica* Scherbakow (1754) p. 47, figs. A, B, C; Spitzbergen.
1899. *Isotoma arctica* Wahlgren (2075) p. 337; Spitzbergen.
1902. *Isotoma arctica* Skorikow (1835) p. 88; Spitzbergen; = *I. spitzbergenensis.*

Isotoma aspera Bacon, 1914

1914. *Isotoma aspera* Bacon (94) p. 149, Pl. II, figs. 1–4; California.
1937. *Isotoma aspera* Folsom (806) p. 118, Pl. 39, figs. 455, 456; California.
1937. *Isotoma aspera* Scott (1795) p. 131; California.

Isotoma balteata Reuter, 1876

1876. *Isotoma balteata* Reuter (1628) p. 86; Finland.

Isotoma belfragei Packard, 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Isotoma belfragei* Packard (1521) p. 33; Texas.
1891. *Isotoma belfragei* MacGillivray (1341) p. 273; Texas.

Isotoma bicolor (Say) 1821

1821. *Podura bicolor* Say (1730) p. 13; America.
1840. *Podura bicolor* Lucas (1326) p. 566; Georgia; Florida; America.
1841. *Podura bicolor* Bourlet (261) p. 158.
1842. *Podura bicolor* Bourlet (265) p. 64.
1873. *Isotoma bicolor* Lubbock (1318) p. 177; sp. dub.
1873. *Podura bicolor* Packard (1521) p. 45; not identified.

Isotoma binoculata Wahlgren, 1899

1899. *Isotoma binoculata* Wahlgren (2075) p. 338, figs. 3–7; Arctic.
1900. *Isotoma binoculata* Schäffer (1738) p. 248; White Is., off Ob (Siberia).
1900. *Isotoma binoculata* Wahlgren (2077) p. 375; Spitzbergen.
1909. *Isotoma binoculata* Collinge and Shoebotham (471) p. 88; England.
1936. *Folsomia binoculata* Kseneman (1216) p. 211; Systematics.
1947. *Folsomia binoculata* Stach (1886) p. 133; White Is., Svalbard.
1958. *Folsomia binoculata* Holler-Land (2283) p. 110; Ecology.
1960. *Folsomia binoculata* Gisin (2271) p. 179; Spitzbergen.

Isotoma boneti Delamare Deboutteville, 1953

PARATYPES: Brit. Mus. Nat. Hist., London.
1953. *Isotoma boneti* Delamare Deboutteville (584) p. 313, fig. 10; France.
1954. *Isotoma boneti* Delamare Deboutteville (589) pp. 435, 451; France.
1955. *Isotoma (Isotoma) boneti* Strenzke (1926) p. 43; Spain; France.

Isotoma borealis Axelson, 1905

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1905. *Isotoma borealis* (80) p. 791; Finland.

Isotoma bourleti Brauer, 1855

1855. *Isotoma bourleti* Brauer (269) p. 23; Europe.

Isotoma brevipenna MacGillivray, 1896

1896. *Isotoma brevipenna* MacGillivray (1345) p. 53; America.
1937. *Proisotoma (Proisotoma) brevipenna* Folsom (806) p. 56, Pl. 21, figs. 223–225; Ohio.

Isotoma brucealla Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Isotoma brucealla* Wray (2209) p. 66; Utah; Classification.
1953. *Isotoma brucei* Wray (2206) p. 55; Nth. America.

Isotoma brunnea MacGillivray, 1896

1896. *Isotoma brunnea* MacGillivray (1345) p. 52; America.

Isotoma cacuminum Wahlgren, 1906

1906. *Isotoma cacuminum* Wahlgren (2080) p. 255; Sweden.
1934. *Isotoma cacuminum* Perrier (1576) p. 35; France.

Isotoma caeruleatra, Guthrie, 1903

TYPE: Dept. Anim. Biol., Nat. Hist. Survey, Minnesota, Winn., U.S.A.
1903. *Isotoma caeruleatra* Guthrie (951) p. 70, Pl. IX, figs. 11–14; Minnesota.

Isotoma capitola MacGillivray, 1896

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Isotoma capitola* MacGillivray (1345) p. 56; Nth. America.

Isotoma carpenteri Börner, 1909

1909. *Isotoma carpenteri* Börner (246) p. 109; Japan.
1938. *Isotoma carpenteri* Uchida (2015) p. 7; Japan.
1939. *Isotoma (Isotoma) carpenteri* Yosii (2223) p. 372, fig. 14; Japan.
1957. *Isotoma carpenteri* Uchida (2042) p. 39; Japan.

Isotoma catena Guthrie, 1903

TYPE: Dept. Animal Biol., Nat. Hist. Survey, Minnesota, Minn., U.S.A.
1903. *Isotoma catena* Guthrie (951) p. 69, Pl. IX, figs. 15–16 b; Minnesota.
1914. *Isotoma catena* Bacon (94) p. 152; California.
1934. *Isotoma viridis catena* Mills (1417) p. 63; Iowa.
1937. *Isotoma (Isotoma) viridis catena* Folsom (806) p. 112; U.S.A.
1938. *Isotoma viridis catena* James (1125) p. 153, Pl. 15, figs. 2, 3, 9; America.
1942. *Isotoma viridis catena* Scott (1796) p. 179; West U.S.A.
1951. *Isotoma viridis catena* Maynard (1393) p. 112; New York.
1954. *Isotoma viridis catena* Spencer (1851) p. 22; Canada.

Isotoma clavata Schött, 1893

TYPE: Swed. Mus. Hist. Nat., Stockholm.
1893. *Isotoma clavata* Schött (1765) p. 73, Pl. VI, figs. 35–37; North Europe.
1902. *Isotoma clavata* Schött (1772) p. 21, Pl. I, fig. 14; North Scandinavia.
1906. *Isotoma clavata* Wahlgren (2080) p. 255; Sweden.
1912. *Isotoma clavata* Schille (1756) p. 8; Galizien.

Isotoma clavigera (Schaeffer) 1900

1900. *Isotoma cinerea* Schaeffer (1739) p. 260, fig. 17; Germany.
1901. *Isotoma clavigera* Krausbauer (1204) p. 69, figs. 60–63; Germany.
1947. *Isotoma clavigera* Stach (1886) p. 331; = *Vertagopus cinerea.*

Isotoma coeca Reuter, 1880

1880. *Isotoma coeca* Reuter (1629) p. 207; Scotland.
1933. *Isotoma coeca* Turk (2007) p. 95; Britain.

Isotoma coeruleo-grisea Hammer, 1938

TYPE: Auth. Colln., Roland, Fredensborg, Denmark.
1938. *Isotoma coeruleo-griseus* Hammer (967) p. 43, figs. 1, 2; E. Greenland.
1938. *Isotoma coeruleo-griseus* Hammer (968) p. 24; E. Greenland.
1944. *Isotoma coeruleo-griseus* Hammer (969) p. 61; Greenland.

Isotoma communa MacGillivray, 1896

1896. *Isotoma communa* MacGillivray (1345) p. 50; America.
1937. *Proisotoma (Proisotoma) communa* Folsom (806) p. 48, Pl. 17, figs. 177–180; Ohio.

Isotoma crassicornis Schött, 1893

TYPE: Swed. Mus. Nat. Hist., Stockholm.
1893. *Isotoma crassicornis* Schött (1766) p. 172; Indian Archipelagos.
1925. *Isotoma crassicornis* Handschin (985) p. 267; Sumatra.
1926. *Isotoma crassicornis* Handschin (994) p. 214, fig. 4; Baltic Bernstein.
1928. *Isotoma crassicornis* Handschin (1001) p. 266; Sumatra.

Isotoma cylindrica (Nicolet) 1842

1842. *Desoria cylindrica* Nicolet (1493) p. 60, Pl. 6, fig. 1; Europe.
1843. *Podura arborea* Bourlet (261) p. 115; France.
1844. *Desoria cylindrica* Gervais (841) p. 429; Switzerland.
1844. *Desoria cylindrica* Lucas (1327) p. 292; Reference.
1845. *Desoria cylindrica* Bourlet (266) p. 67; Europe.
1847. *Isotoma cylindrica* Nicolet (1496) p. 372, Pl. 5, figs. 29-b, 34; Europe.
1869. *Isotoma cylindrica* Porath (1608) p. 652; Scania.

Isotoma delicatula Brown, 1929

1929. *Isotoma delicatula* Brown (309) p. 425, Pl. IX, figs. 7, 8; England.
1948. *Parisotoma delicatula* Salt *et al.* (1724) p. 145; Ecology.

Isotoma desmarestii Gervais, 1844

1844. *Isotoma Desmarestii* Gervais (841) p. 436, Pl. 50, fig. 11; Europe.
1847. *Isotoma Desmarestii* Nicolet (1496) p. 374; Paris.

Isotoma determinata MacGillivray, 1896

PARATYPES: Mus. Comp. Zool., Harvard.
1896. *Isotoma determinata* MacGillivray (1345) p. 54; America.

Isotoma difficilis (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Isotoma (Isotoma) difficilis* Folsom (806) p. 89, Pl. 28, figs. 320–323; Illinois.
1947. *Isotoma difficilis* Stach (1886) p. 357; U.S.A, Illinois.
1959. *Isotoma (Isotoma) difficilis* Wilkey (2350) p. 223; California.

Isotoma dilatata MacGillivray, 1896

TYPE: Mus. Comp. Zool., Harvard.
1896. *Isotoma dilatata* MacGillivray (1345) p. 53; America.

Isotoma diplophthalma Axelson, 1902

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1902. *Isotoma diplophthalma* Axelson (76) p. 106; Karelia, N.W. Russia.

Isotoma dubia Reuter, 1895

1895. *Isotoma dubia* Reuter (1643) p. 27, Tab. I, fig. 3; Finland.
1899. *Isotoma dubia* Carl (352) p. 321, Pl. 8, fig. 42; Switzerland.

Isotoma duodecemoculata Denis, 1927

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1927. *Isotoma 12-oculata* Denis (629) p. 193, figs. 44–49; Italy.
1941. *Isotoma 12-oculata* Tarsia in Curia (1955) p. 258; Italy.
1943. *Isotoma 12-oculata* Tarsia in Curia (1956) p. 55, fig. 7; Italy.
1947. *Isotoma 12-oculata* Stach (1886) p. 363; Italy.
1950. *Isotoma 12-oculata* Delamare Deboutteville (568) p. 43; France.

Isotoma elegans Carl, 1899

TYPE: Mus. Hist. Natur., Geneva?
1899. *Isotoma elegans* Carl (352) p. 319, figs. 40, 41; Switzerland.
1960. *Isotoma elegans* Gisin (2271) p. 210, figs. 381; Switzerland.

Isotoma eunotabilis Folsom, in litt.

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1933. *Isotoma eunotabilis* Mills and Rolfs (1431) p. 80; Washington.
1934. *Isotoma eunotabilis* Mills (1417) p. 58; Iowa.
1937. *Isotoma (Isotoma) eunotabilis* Folsom (806) p. 92, Pl. 29, figs. 337, 339, Pl. 30, figs. 340, 344; U.S.A.; Canada.
1950. *Isotoma eunotabilis* Wray (2216) p. 62; Utah.
1951. *Isotoma (Isotoma) eunotabilis* Maynard (1393) p. 113, Pl. XII, 203, 204; New York.
1954. *Isotoma eunotabilis* Bellinger (174) p. 22; Connecticut.
1956. *Isotoma eunotabilis* Wray and Knowlton (2214) p. 3; Idaho.
1959. *Isotoma eunotabilis* Wilkey (2350) p. 223; California.

Isotoma exiguadentata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Isotoma exiguadentata* Salmon (1676) p. 336, Pl. 53, figs. 231–234; New Zealand.

Isotoma falcicaudata von Olfers, 1907

1907. *Isotoma falcicaudata* von Olfers (1506) p. 25, fig. 66; Germany.

Isotoma fenestrarum Bourlet, 1839

1839. *Isotoma fenestrarum* Bourlet (259) p. 403; Europe.
1844. *Isotoma fenestrarum* Gervais (841) p. 434; France.
1844. *Isotoma faenestrarum* Lucas (1327) p. 291; Reference.
1847. *Degeeria fenestrarum* Nicolet (1496) p. 370; France.

Isotoma fennica (Reuter) 1895

1881. *Isotoma sp.* Collan (459) p. 127; Scandinavia.
1893. *Isotoma hiemalis var.* Schött (1765) p. 70; Europe.
1895. *Isotoma hiemalis fennica* Reuter (1643) p. 27; Finland.
1896. *Isotoma hiemalis var.* Schött (1768) p. 120, Pl. III, 14, 15; Scandinavia.
1900. *Isotoma fennica* Axelson (75) p. 115; Finland.
1902. *Isotoma fennica* Schött (1772) p. 26, Pl. I, fig. 18, Pl. IV, fig. 4; North Scandinavia.

1905. *Isotoma fennica* Axelson (81) p. 33; Tvärminne, Finland.
1906. *Isotoma fennica* Wahlgren (2080) p. 257; Sweden.
1907. *Isotoma fennica* Axelson (83) p. 130; Finland.
1911. *Isotoma fennica* Axelson (1291) p. 15; Norway; Sweden; Finland.
1912. *Isotoma fennica* Axelson (1292) p. 152, Pl. XI, 14–20; Finland.
1919. *Isotoma fennica* Wahlgren (2089) p. 746; Sweden.
1930. *Isotoma fennica* Stach (1869) p. 290; Scandinavia; Finland.
1932. *Isotoma fennica* Durkop (706) p. 236; Germany.
1934. *Isotoma fennica* Durkop (707) p. 504; Germany.
1941. *Isotoma fennica* Agrell (46) p. 20; Swedish Lapland.
1942. *Isotoma fennica* Tahvonen (1949) p. 203; Finland.
1943. *Isotoma fennica* Agrell (47) p. 125; Sweden.
1947. *Isotoma fennica* Stach (1886) p. 391, Pl. XLII; Poland; W. Ukraine; Carintia.
1954. *Isotoma fennica* Cassagnau (418) p. 624; Pyrenees.
1955. *Isotoma fennica* Stach (1893) p. 136, fig. 392; Poland; Scandinavia; Alps.
1958. *Isotoma fennica* von Torne (1993) p. 667; Austria.
1959. *Isotoma fennica* Stach (1896) p. 34; Poland.
1960. *Isotoma fennica* Gisin (2271) p. 209, fig. 379; Europe.
1960. *Isotoma* (*Isotoma*) *fennica* Grindbergs (2373) p. 44; U.S.S.R.

Isotoma fideli Rapoport and de Izarra, 1962

1962. *Isotoma fideli* Rapoport and de Izarra (2579) p. 251, figs. 12–20; Argentina.

Isotoma fimetaria (Linné) 1758

1746. *Podura terrestris alba* Linné (1299) p. 343; Europe.
1758. *Podura fimetaria* Linné (1300) p. 609; Europe.
1871. *Isotoma alba* Tullberg (2002) p. 152; Sweden.
1872. *Isotoma fimetaria* Tullberg (2003) p. 48, Pl. IX, figs. 32, 33; Sweden.
1876. *Isotoma fimetaria* Tullberg (2004) pp. 37, 42; Greenland; Siberia; Sweden.
1890. *Isotoma fimetaria* Uzel (2050) p. 66; Bohemia.
1891. *Isotoma fimetaria* MacGillivray (1341) p. 273; Greenland; Siberia.
1891. *Isotoma fimetaria* Reuter (1640) p. 249; Scandinavia.
1893. *Isotoma fimetaria* Schött (1765) p. 75; Sweden; Finland; Germany; Bohemia.
1895. *Isotoma fimetaria* Dalla Torre (498) p. 9; Systematics.
1895. *Isotoma fimetaria* Reuter (1643) p. 28; Finland; Sweden; Bohemia; Siberia; Greenland.
1896. *Isotoma fimetaria* Lie-Pettersen (1281) p. 18; Norway.
1896. *Isotoma fimetaria* MacGillivray (1345) p. 58; Central Europe; Boreal America.
1896. *Isotoma fimetaria* Meinert (1399) p. 169; Greenland; Siberia; Finland; Sweden.
1896. *Isotoma fimetaria* Schött (1769) p. 184; San Francisco.
1897. *Isotoma fimetaria* Poppe and Schaeffer (1607) p. 268; Germany.
1897. *Isotoma fimetaria* Schäffer (1735) p. 183; Germany.
1898. *Isotoma fimetaria* Lie-Pettersen (1282) p. 13; Norway.
1898. *Isotoma fimetaria* Scherbakow (1750) p. 58; Kiev, Russia.
1898. *Isotoma fimetraia* Scherbakow (1751) p. 12; Russia.
1899. *Isotoma fimetaria* Carl (352) p. 310, Pl. 9, figs. 43, 44; Switzerland.
1899. *Isotoma fimetaria* Carpenter and Evans (402) p. 251, Pl. VIII, figs. 3, 4; Scotland.
1899. *Isotoma fimetaria* Scherbakow (1754) p. 47; Spitzbergen.
1899. *Isotoma fimentaria* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Isotoma fimetaria* Schäffer (1738) p. 247; N.W. Siberia; White Is. on Ob.; Greenland; Spitzbergen; Franz Josef Land.
1900. *Isotoma fimetaria* Skorikow (1833) p. 194; Spitzbergen.
1900. *Isotoma fimentaria* Wahlgren (2077) p. 375; Greenland; Jan Mayen I.
1900. *Isotoma fimetaria* Carpenter (368) p. 274; Franz Josef Land.
1901. *Isotoma fimetaria* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma fimetaria* Absolon (12) p. 107; Systematics.
1901. *Isotoma fimetaria* Börner (234) p. 46; Description, Central Europe.
1901. *Isotoma fimetaria* Evans (740) p. 153; Scotland.
1901. *Isotoma fimetaria* Krausbauer (1204) p. 68; Germany.
1902. *Isotoma fimetaria* Folsom (781) p. 92, Pl. VII, figs. 37–39; Descr., Alaska.
1902. *Isotoma fimentaria* Schött (1772) p. 21; Scandinavia.
1902. *Isotoma fimetaria* Skorikow (1835) p. 88; Spitzbergen.
1903. *Isotoma fimetaria* Ågren (55) p. 143; Sweden.
1903. *Isotoma fimetaria* Diem (688) p. 236; Ecology.
1903. *Isotoma fimentaria* Guthrie (951) p. 64, Pl. X, figs. 5, 6; Orig. descr., Minnesota.
1904. *Isotoma fimetaria* Ågren (56) p. 21; Lapland.
1905. *Isotoma fimetaria* Axelson (82) p. 11; Russia.
1906. *Isotoma fimetaria* Lie-Pettersen (1284) p. 60; Norway.
1906. *Isotoma fimetaria* Lindsay (1288) p. 272; Scotland.
1906. *Isotoma fimentaria* Wahlgren (2080) p. 255; Sweden.
1907. *Isotoma fimentaria* Wahlgren (2082) p. 223; Torne lappmark.
1908. *Isotoma fimetaria* Schille (1755) p. 8; Poland.
1909. *Isotoma fimetaria* Dow and Smith (692) p. 35; New Jersey.
1909. *Isotoma fimetaria* Nielsen (1498) p. 377; Greenland.
1912. *Isotoma fimetaria* Schille (1756) p. 8; Galizien.
1918. *Isotoma fimetaria* Henriksen and Lundbeck (1044) p. 738; Greenland.
1930. *Isotoma fimetaria* Kel'shtein (1161) p. 78; Russia.
1934. *Isotoma fimetaria* Perrier (1576) p. 35; France.
1936. *Isotoma fimetaria* Axelson (1297) p. 22; Taxonomy; = *Folsomia*.
1956. *Podura fimetaria* Paclt (1541) p. 123; Biology.

Isotoma fimetarioides Axelson, 1903

1903. *Isotoma fimetarioides* Axelson (77) p. 8; Finland.
1905. *Isotoma fimetarioides* Axelson (82) p. 12; Russia.

Isotoma finitima Scherbakow, 1899

1899. *Isotoma finitima* Scherbakow (1753) p. 80, fig. 8; S.W. Russia.
1900. *Isotoma finitima* Wahlgren (2077) p. 367; Greenland; S.W. Russia.
1928. *Isotoma finitima* Remy (1625) p. 65; Greenland.
1930. *Isotoma finitima* Kel'shtein (1161) p. 78; Russia.

1934. *Isotoma finitima* Jorgensen (1145) p. 7–; Greenland.
1937. *Isotoma finitima* Folsom (806) p. 93, Pl. 30, fig. 345; Russia.
1938. *Isotoma finitima* Hammer (968) p. 23; E. Greenland.
1944. *Isotoma finitima* Hammer (969) p. 61; Greenland; Europe.
1947. *Isotoma finitima* Stach (1886) p. 365; Greenland; Ukraine.
1959. *Sorensia finitima** Paclt (2316) p. 43; South Africa.

Isotoma formaneki Absolon, 1901

1901. *Isotoma formaneki* Absolon (12) p. 108, figs. 21–22; Czechoslovakia.
1901. *Isotoma formanelsi* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma formaneki* Absolon (13) p. 114, Pl. II, figs. 1–7; Czechoslovakia.
1901. *Isotoma formaneki* Absolon (20) p. 32, figs. 1–2; Czechoslovakia.
1931. *Isotoma formaneki* Bonet (205) p. 381; Czechoslovakia.
1937. *Isotoma formaneki* Frenzel (828) p. 316; Ecology.

Isotoma fuliginosa (Templeton) 1835

1835. *Podura fuliginosa* Templeton (1957) p. 95; Ireland.
1862. *Isotoma fuliginosa* Lubbock (1315) p. 596; England.

Isotoma fulva Schaeffer, 1897

1897. *Isotoma fulva* Schaeffer (1736) p. 18, figs. 38–41; Tierra del Fuego.

Isotoma fulvomaculata (Nicolet) 1842

1842. *Desoria fulvomaculata* Nicolet (1493) p. 59, Pl. 6, fig. 8; Europe.
1844. *Desoria fulvomaculata* Gervais (841) p. 428; Switzerland.
1844. *Desoria fulvomaculata* Lucas (1327) p. 292; References.
1845. *Desoria fulvomaculata* Bourlet (266) p. 67; Europe.
1847. *Isotoma fulvomaculata* Nicolet (1496) p. 372; Switzerland.

Isotoma fusca (Nicolet) 1842

1842. *Desoria fusca* Nicolet (1493) p. 63, Pl. 6, fig. 7; Europe.
1844. *Desoria fusca* Gervais (841) p. 431; Switzerland.
1845. *Desoria fusca* Bourlet (266) p. 67; Europe.
1847. *Isotoma fusca* Nicolet (1496) p. 374; Switzerland.
1875. *Desoria fusca* Parona (1556) p. 299; Italy.
1878. *Isotoma fusca* Parona (1557) p. 603; Italy.
1883. *Isotoma fusca* Parona (1558) p. 463; Italy.
1888. *Isotoma fusca* Parona (1563) p. 143; Italy.

Isotoma georgiana Schaeffer, 1891

1891. *Isotoma georgiana* Schaeffer (1732) p. 5, figs. 1–4; South Georgia.
1897. *Isotoma georgiana* Schaeffer (1736) p. 16, fig. 33; Tierra del Fuego.
1906. *Isotoma georgiana* Wahlgren (2079) p. 12, fig. 36; Tierra del Fuego; South Georgia.
1909. *Isotoma georgiana* Enderlein (724) p. 461; Sth. Georgia.
1912. *Isotoma georgiana* Enderlein (725) pp. 127, 139; South Georgia; Tierra del Fuego.
1914. *Isotoma georgiana* Schaeffer (1740) p. 90; Sth. Georgia.
1934. *Isotoma georgiana* Womersley (2178) p. 105, T. fig. 7 h-j; South Australia.
1935. *Isotoma georgiana* Womersley (2181) p. 216; Australia.
1939. *Isotoma georgiana* Womersley (2190) p. 163, fig. 56 i-k; South Australia.

Isotoma germanica Huther and Winter, 1961

1961. *Isotoma germanica* Huther and Winter (2486) p. 459, 9 figs.; Harz, Germany.

Isotoma gervaisi Nicolet, 1847

1847. *Isotoma Gervaisii* Nicolet (1496) p. 374, Pl. 6, fig. 9; Switzerland.
1855. *Isotoma Gervaisii* Brauer (269) p. 22; Europe.

Isotoma glauca Packard, 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Isotoma glauca* Packard (1521) p. 33; Massachusetts.
1891. *Isotoma glauca* MacGillivray (1341) p. 273; Massachusetts, Ohio.
1895. *Isotoma glauca* Dalla Torre (498) p. 10; U.S.A.
1896. *Isotoma glauca* MacGillivray (1345) p. 57; Massachusetts, Texas, Ithaca, New York, North America.
1909. *Isotoma glauca* Dow and Smith (692) p. 35; New Jersey.
1937. *Isotoma glauca* Folsom (806) p. 116, Pl. 39, fig. 450; *sp. dub.*

Isotoma glauca montana MacGillivray, 1896

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Isotoma glauca montana* MacGillivray (1345) p. 57; North America.

Isotoma gracilliseta Börner, 1909

1909. *Isotoma gracilliseta* Börner (246) p. 113; Japan.
1938. *Isotoma gracilliseta* Uchida (2015) p. 8; Japan.
1939. *Isotoma gracilliseta* Yosii (2223) p. 376, fig. 16; Japan.
1947. *Isotoma gracilliseta* Stach (1886) p. 356; Japan.
1957. *Isotoma gracilliseta* Uchida (2042) p. 39; Japan.

Isotoma hibernica Carpenter, 1906

1906. *Isotoma hibernica* Carpenter (377) p. 40, Pl. II, figs. 1–7; Ireland.
1908. *Isotoma hibernica* Bagnall (100) p. 82; Great Britain.
1910. *Isotoma hibernica* Bagnall (102) p. 502; Britain.
1910. *Isotoma hibernica* Carpenter (385) p. 185; Dunfanaghy.
1930. *Isotoma hibernica* Womersley (2168) p. 181; Ireland.
1933. *Isotoma hibernica* Turk (2007) p. 93; Britain.

Isotoma hiemalis Schött, 1893

1893. *Isotoma hiemalis* Schött (1765) p. 70, Pl. VI, figs. 16–18; Sweden.
1895. *Isotoma hiemalis* Reuter (1643) p. 27; Finland.
1896. *Isotoma hiemalis* Hisinger (1065) p. 32–; Scandinavia.
1896. *Isotoma hiemalis* Lie-Pettersen (1281) p. 18; Norway.
1896. *Isotoma hiemalis* Schött (1768) p. 120; Sweden.
1899. *Isotoma theobaldi* Carl (352) p. 315; Switzerland; cf. Schött (1772) p. 24.
1900. *Isotoma nivicola* Axelson (75) p. 120; Finland.

* I cannot agree with Paclt's interpretation of *Sorensia* here. Scherbakow's species has no postantennal organ, and cannot possibly be synonymous with any known species of *Sorensia.*

1900. *Isotoma hiemalis* Schäffer (1738) p. 246; Norway; Lapland; Sweden; Finland.
1901. *Isotoma hiemalis* Carl (354) p. 263; Switzerland.
1901. *Isotoma hiemalis* Lie-Pettersen (2382) p. 202.
1902. *Isotoma hiemalis* Schött (1772) p. 24, Pl. I, fig. 16; North Scandinavia; Synonymy.
1905. *Isotoma hiemalis* Axelson (81) p. 33; Tvärminne, Finland.
1906. *Isotoma hiemalis* Wahlgren (2080) p. 257, fig. 20-i; Sweden.
1907. *Isotoma hiemalis* Latzel (1248) p. 158; Austria.
1907. *Isotoma hiemalis* Axelson (83) p. 130; Finland.
1911. *Isotoma hiemalis* Axelson (1291) p. 17; Norway.
1912. *Isotoma hiemalis* Axelson (1292) p. 160, Pl. XII, fig. 28, Pl. XIII, figs. 1, 3; Finland; Add. descr.
1919. *Isotoma hiemalis* Handschin (977) p. 77; Switzerland.
1924. *Isotoma hiemalis* Handschin (981) p. 116; Switzerland.
1926. *Isotoma hiemalis* Handschin (988) p. 42; Biology.
1929. *Isotoma hiemalis* Handschin (1008) p. 68, fig. 121; Switzerland; Fennoscandinavia.
1930. *Isotoma hiemalis* Stach (1869) p. 290; Scandinavia; Finland; Poland; Switzerland.
1933. *Isotoma hiemalis* Schubert (1787) p. 261; Ecology.
1935. *Isotoma hiemalis* Pax and Maschke (1573) p. 25–; Europe.
1935. *Isotoma hiemalis* Schubert (1790) p. 97; Europe.
1935. *Isotoma hiemalis* Schubert (1791) p. 230–, p. 368–; Poland.
1937. *Isotoma hiemalis* Frenzel (828) p. 316; Ecology.
1942. *Isotoma hiemalis* Kos (1199) p. 136, figs. 27, 28; Yugoslavian Alps.
1942. *Isotoma hiemalis* Tahvonen (1949) p. 204–; Finland.
1943. *Isotoma hiemalis* Agrell (47) p. 125; Sweden.
1944. *Isotoma hiemalis* Kos (1200) p. 5–; Yugoslavia.
1947. *Isotoma hiemalis* Stach (1886) p. 387, Pl. XLI; Poland.
1949. *Isotoma hiemalis* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Isotoma hiemalis* Stach (1889) p. 85, fig. 46; Poland.
1955. *Isotoma hiemalis* Stach (1893) p. 133, figs. 386–390; Poland.
1956. *Isotoma hiemalis* Bockemuhl (193) p. 140; Spitzbergen.
1956. *Isotoma hiemalis* Paclt (1541) p. 100; Biology.
1956. *Isotoma hiemalis* Stevanovic (1903) p. 4–; Yugoslavia.
1958. *Isotoma hiemalis* von Torne (1993) p. 667; Austria.
1958. *Isotoma* (*Isotoma*) *hiemalis* Grindbergs (2277) p. 197; Latvia.
1959. *Isotoma hiemalis* Simon (2334) p. 35; Systematics.
1959. *Isotoma hiemalis* Stach (1896) p. 33; Poland.
1960. *Isotoma hiemalis* Gisin (2271) p. 212; Europe.
1960. *Isotoma* (*Isotoma*) *hiemalis* Grindbergs (2373) p. 45; U.S.S.R.

Isotoma hiemalis coerulea Schött, 1902

1902. *Isotoma hiemalis coerulea* Schött (1772) p. 25; North Scandinavia.

Isotoma hirta von Olfers, 1907

1907. *Isotoma hirta* von Olfers (1506) p. 26, fig. 67; Bernstein.

Isotoma hottingeri Vogler, 1895

1895. *Isotoma hottingeri* Vogler (2064) p. 31–; Switzerland.
1896. *Isotoma hottingeri* Lie-Pettersen (1281) p. 18; Norway.
1896. *Isotoma hottingeri* Vogler (2065) p. 151, figs. 8–9; Switzerland.

Isotoma hyonosenensis Yosii, 1939

1939. *Isotoma* (*Isotoma*) *hyonosenensis* Yosii (2223) p. 378, fig. 17; Japan.
1947. *Isotoma* (*Isotoma*) *hyonosenensis* Stach (1886) p. 364; Japan.
1957. *Isotoma hyonosenensis* Uchida (2042) p. 38; Japan.

Isotoma ianthina Vogler, 1896

1896. *Isotoma ianthina* Vogler (2065) p. 151, fig. 10; Switzerland.

Isotoma inaequalis Schaeffer, 1898

1898. *Isotoma inaequalis* Schaeffer (1737) p. 403, figs. 4, 5; Bismarck Archipelago.

Isotoma incisa Wahlgren, 1907

1906. *Isotoma incisa* Wahlgren (2080) p. 254; Sweden.
1907. *Isotoma incisa* Wahlgren (2082) p. 229, fig. 4; Sweden.
1931. *Isotoma incisa* Schött (1780) p. 70; Scandinavia.

Isotoma inclinata MacGillivray, 1896

PARATYPES: Mus. Comp. Zool., Harvard.
1896. *Isotoma inclinata* MacGillivray (1345) p. 55; America.

Isotoma inopinata Axelson, 1902

1902. *Isotoma inopinata* Axelson (76) p. 108; Lappmark.

Isotoma intermedia Schött, 1902

1902. *Isotoma intermedia* Schött (1772) p. 25, Pl. I, fig. 17; North Scandinavia.
1906. *Isotoma intermedia* Wahlgren (2080) p. 257; Sweden.
1907. *Isotoma intermedia* Axelson (83) p. 130; Finland.
1912. *Isotoma intermedia* Axelson (1292) p. 159, Pl. XII, figs. 24–27; Finland; Add. descr.
1929. *Isotoma intermedia* Handschin (1008) p. 69; Sweden; Finland.
1942. *Isotoma intermedia* Tahvonen (1949) p. 204–; Finland.
1943. *Isotoma intermedia* Agrell (47) p. 125; Sweden.
1947. *Isotoma intermedia* Stach (1886) p. 419, Pl. XLVI, figs. 1–5; Poland; Lithuania.
1955. *Isotoma intermedia* Stach (1893) p. 135, fig. 391; Poland; Finland; Sweden.
1958. *Isotoma* (*Isotoma*) *intermedia* Grindbergs (2277) p. 197; Latvia.
1958. *Isotoma intermedia* Nosek (1503) p. 357; Czechoslovakia.
1960. *Isotoma intermedia* Gisin (2271) p. 210; Europe.
1960. *Isotoma* (*Isotoma*) *intermedia* Grindbergs (2373) p. 44; U.S.S.R.

Isotoma janmayensis Wahlgren, 1900

1900. *Isotoma janmayensis* Wahlgren (2077) p. 354, figs. 1–3; Jan Mayen I.

Isotoma japonica Yosii, 1939

1939. *Isotoma* (*Isotoma*) *japonica* Yosii (2223) p. 370, fig. 13; Japan.
1947. *Isotoma japonica* Stach (1886) p. 361; Japan.
1954. *Isotoma japonica* Yosii (2231) p. 801; Japan.
1957. *Isotoma* (*Isotoma*) *japonica* Uchida (2042) p. 38; Japan.

Isotoma klovstadi Carpenter, 1902

SYNTYPES: Brit. Mus. Nat. Hist., London.
1902. *Isotoma Klovstadi* Carpenter (369) p. 222, Pl. XLVII, figs. 1–8; Geikie Land.
1909. *Isotoma Klovstadi* Enderlein (724) p. 461; Geikie Land.
1919. *Isotoma Klovstadi* McNamara (1360) p. 242; Denmark.
1937. *Isotoma Klovstadi* Womersley (2185) p. 4; Macquarrie I.
1959. *Isotoma Klovstadi* Gressit and Weber (2273) p. 446; Antarctic.

Isotoma kisoana Yosii, 1939

1939. *Isotoma* (*Isotoma*) *kisoana* Yosii (2223) p. 380, fig. 18; Japan.
1947. *Isotoma kisoana* Stach (1886) p. 359; Japan.
1957. *Isotoma kisoana* Uchida (2042) p. 38; Japan.

Isotoma kosiana (Kos, 1942) Bagnall, 1949

1942. *Isotoma nigra* Kos (1199) p. 138, figs. 29–37; Yugoslavia.
1944. *Isotoma nigra* Kos (1200) p. 5, fig. 1; Yugoslavia.
1947. *Isotoma nigra* Stach (1886) p. 362; East Julic Alps.
1949. *Isotoma kosiana* Bagnall (127) p. 96; *nom. nov.;* England.
1956. *Isotoma kosi* Paclt (1541) pp. 92–104, fig. 121; Europe.
1960. *Isotoma kosiana* Gisin (2271) p. 208; Yugoslavia.

Isotoma kosiana fulva (Kos) 1942

1942. *Isotoma nigra fulva* Kos (1199) p. 148, figs. 38, 39; Yugoslavia.
1944. *Isotoma nigra fulva* Kos (1200) p. 5–; Yugoslavia.

Isotoma lacustris (Schött) 1893

TYPE: Swed. Mus. Nat. Hist., Stockholm.
1893. *Isotoma litoralis* Schött (1765) p. 75; Finland.
1896. *Isotoma lacustris* Schött (1769) p. 185; California; Synonymy.

Isotoma lanuginosa Carl, 1899

TYPE: Mus. Hist. Natur., Geneva.
1899. *Isotoma lanuginosa* Carl (352) p. 307, figs. 25–29; Switzerland.
1907. *Isotoma lanuginosa* Latzel (1248) p. 158; Austria.
1926. *Isotoma lanuginosa* Handschin (988) p. 42; Biology.

Isotoma laterar'a MacGillivray, 1896

TYPE: Mus. Comp. Zool., Harvard.
1896. *Isotoma lateraria* MacGillivray (1345) p. 56; America.

Isotoma leonina Packard, 1873

1873. *Isotoma leonina* Packard (1521) p. 32; Massachusetts.
1891. *Isotoma leonina* MacGillivray (1341) p. 273; Massachusetts; New York.
1903. *Isotoma leonina* Guthrie (951) p. 67, Pl. IX 1–4; Minnesota.
1933. *Isotoma leonina* James (1124) p. 95; Canada.

Isotoma lineata Lubbock, 1862

1862. *Isotoma lineata* Lubbock (1315) p. 597, Pl. LIX, fig. 9; England.

Isotoma linnaniemia Womersley, 1934

TYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Isotoma linnaniemia* Womersley (2178) p. 103, fig. 8 g-k; W. Australia.
1936. *Isotoma linnaniemia* Womersley (2183) p. 321; New Zealand.
1939. *Isotoma* (*Isotoma*) *linneniemia* Womersley (2190) p. 160, fig. 55 Q-U; W. Australia.
1941. *Parisotoma linnaniemia* Salmon (1676) p. 338, figs. 238–240; New Zealand.

Isotoma longidens Schaeffer, 1896

1896. *Isotoma longidens* Schaeffer (1735) p. 188, figs. 88–90; Germany.
1900. *Isotoma longidens* Schaeffer (1739) p. 258; Germany; = *I.* (*P.*) *sensibilis.*
1912. *Isotoma longidens* Schille (1756) p. 8; Galizien.

Isotoma longipenna MacGillivray, 1896

1896. *Isotoma longipenna* MacGillivray (1345) p. 57; Mississippi.

Isotoma louisiana Scott, 1962

TYPES: Acad. Nat. Sci., Philadelphia.
1962. *Isotoma louisiana* Scott (2545) p. 68, fig. 2; Louisiana.

Isotoma lucama Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Isotoma lucama* Wray (2204) p. 99, figs. 26–28; Illinois.

Isotoma macnamarai Folsom, 1918

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1918. *Isotoma macnamarai* Folsom (789) p. 291, Pl. VII; Canada.
1919. *Isotoma macnamarai* McNamara (1360) p. 244; Remarks.

Isotoma maculata (Schäffer) 1896

1896. *Isotoma palustris maculata* Schäffer (1735) p. 186; Germany.
1901. *Isotoma maculata* Börner (234) p. 51; Central Europe.
1903. *Isotoma maculata* Ågren (55) p. 133; Sweden.
1906. *Isotoma maculata* Wahlgren (2080) p. 255; Sweden.

Isotoma malvinensis Wahlgren, 1906

1906. *Isotoma malvinensis* Wahlgren (2079) p. 13, figs. 22–28; Falkland Is.
1912. *Isotoma malvinensis* Enderlein (725) p. 56; Falkland Is.

Isotoma manubriata MacGillivray, 1896

1896. *Isotoma manubriata* MacGillivray (1345) p. 49; Louisiana.

Isotoma marissa Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Isotoma* (*Isotoma*) *marissa* Folsom (806) p. 89, Pl. 29, figs. 324–330; U.S.A.
1947. *Isotoma marissa* Stach (1886) p. 357; U.S.A.

Isotoma maritima Tullberg, 1871

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1871. *Isotoma maritima* Tullberg (2002) p. 151; Sweden.
1872. *Isotoma maritima* Tullberg (2003) p. 47, Pl. IX, fig. 11; Sweden.
1887. *Isotoma maritima* Oudemans (1510) p. 98; Holland.
1890. *Isotoma maritima* Moniez (1445) p. 323, figs. 15, 16; Description, France.
1891. *Isotoma maritima* Moniez (1447) p. 69; France.
1891. *Isotoma maritima* Parfitt (1550) p. 344; Description, England.
1893. *Isotoma maritima* Schött (1765) p. 67, Pl. VI, figs. 8–10; Sweden.

1895. *Isotoma maritima* Reuter (1643) p. 26; Finland; Sweden; Bohemia; England?
1899. *Isotoma maritima* Carpenter and Evans (402) p. 248, Pl. VII, figs. 20–22; Scotland.
1901. *Isotoma maritima* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma maritima* Absolon (12) p. 107; Systematics.
1901. *Isotoma maritima* Evans (739) p. 156; Scotland.
1902. *Isotoma maritima* Schött (1772) p. 28, Pl. I, fig. 23; Boreal.
1903. *Isotoma maritima* Ågren (55) p. 136, fig. 11; Add. descr., Sweden.
1905. *Isotoma maritima* Axelson (81) p. 33; Tvärminne, Finland.
1906. *Isotoma maritima* Lie-Pettersen (1284) p. 61; Norway.
1906. *Isotoma maritima* Wahlgren (2080) p. 256; Sweden.
1907. *Isotoma maritima* Axelson (83) p. 130; Finland.
1908. *Isotoma maritima* Evans (741) p. 196; Scotland.
1911. *Isotoma maritima* Axelson (1291) p. 16; Norway.
1912. *Isotoma maritima* Axelson (1292) p. 166; Finland.
1924. *Isotoma maritima* Denis (614) p. 291; France.
1925. *Isotoma maritima* Brown (304) p. 159; Britain, littoral.
1925. *Isotoma maritima* Womersley (2148) p. 169; S.W. England.
1928. *Isotoma maritima* Womersley (2154) p. 376; S.W. England.
1929. *Isotoma maritima* Denis (635) p. 132, figs. 1–5; Description, Italy.
1929. *Isotoma maritima* Handschin (1008) p. 68; Baltics; England; Holland; France.
1930. *Isotoma maritima* Buitendijk (334) p. 60; Holland.
1930. *Isotoma maritima* Stach (1869) p. 291; Europe; Russia.
1931. *Isotoma maritima* Bonet (205) pp. 309, 382, fig. VII; Description, Spain; Scandinavia; Finland; Russia; England; Holland; France?; Bohemia; Hungary; Czechoslovakia; Costa Rica.
1931. *Isotoma maritima* Denis (638) pp. 125, 162; Taxonomy; Costa Rica.
1931. *Isotoma maritima* Lindroth (1286) p. 130; Iceland.
1932. *Isotoma maritima* Durkop (706) p. 235; Germany.
1933. *Isotoma maritima* Denis (645) p. 240; Remarks.
1933. *Isotoma maritima* Denis (646) p. 184; Italy.
1933. *Isotoma maritima* Turk (2007) p. 95; Britain.
1934. *Isotoma maritima* Durkop (707) p. 501, fig. 3; Europe.
1936. *Isotoma maritima* Womersley (2183) p. 321; New Zealand.
1937. *Isotoma maritima* Frenzel (828) p. 316; Ecology.
1938. *Isotoma maritima* Kseneman (1220) p. 15; Czechoslovakia.
1941. *Isotoma maritima* Buitendijk (336) p. 47; Netherlands; Scandinavia; Russia; France; England.
1941. *Isotoma maritima* Salmon (1676) p. 335, fig. 225; New Zealand.
1943. *Isotoma maritima* Agrell (47) p. 125; Sweden.
1943. *Isotoma maritima* Salmon (1680) p. 381; New Zealand.
1947. *Isotoma maritima* Stach (1886) p. 357; Europe; Systematics.
1950. *Isotoma maritima* Delamare Deboutteville (570) pp. 45–, 238; France.
1954. *Isotoma* (*Isotoma*) *maritima* Strenzke (1925) p. 56; Germany.
1955. *Isotoma maritima* Chopard (434) p. 20; France.
1955. *Isotoma maritima* Gridelli (938) p. 42; Venice.
1955. *Isotoma maritima* Palissa (1545) p. 482; Ecology.
1955. *Isotoma maritima* Strenzke (1926) p. 42, fig. 17; Europe.
1956. *Isotoma maritima* Brinck, Dahl and Wieser (277) p. 126; E. Scandinavia.
1956. *Isotoma maritima* Paviour-Smith (1570) p. 552; New Zealand.
1957. *Isotoma maritima* Bodvarsson (2252) p. 27; Iceland.
1958. *Isotoma maritima* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1960. *Isotoma maritima* Gisin (2271) p. 207, fig. 377; Europe.
1960. *Isotoma* (*Isotoma*) *maritima* Grindbergs (2373) p. 43; U.S.S.R.

Isotoma maritima gracilis Ågren, 1903

1903. *Isotoma maritima gracilis* Ågren (55) p. 138; Sweden.

Isotoma maritima typica Ågren, 1903

1903. *Isotoma maritima typica* Ågren (55) p. 137; Sweden.

Isotoma masatierrae Schött, 1921

TYPE: Swed. Mus. Nat. Hist., Stockholm.
1921. *Isotoma masatierrae* Schött (1775) p. 35, Pl I, figs. 1–4; Mas a tierra Is. (off Chile).

Isotoma mauretanica (Handschin) 1925

1925. *Proisotoma oeensis mauretanica* Handschin (987) p. 165; Morocco.
1926. *Isotoma mauretanica* Handschin (990) p. 121, figs. 10–13; Algeria.
1926. *Isotoma mauretanica* Handschin (988) p. 8, fig. 2; Biology.
1928. *Isotoma mauretanica* Handschin (1005) p. 5; Algeria.
1931. *Proisotoma mauretanica* Denis (638) p. 118; Morocco.
1934. *Isotoma mauretanica* Womersley (2177) pp. 454, 469; South Africa; Algeria.
1943. *Isotomina mauretanica* Strebel (1919) p. 199.

Isotoma mirabilis Börner, 1901

1901. *Isotoma mirabilis* Börner (234) p. 44, figs. 19–22, Pl. I, fig. 2; Central Europe.

Isotoma mossopi Womersley, 1934

COTYPE: Sth. Austr. Mus., Adelaide.
1934. *Isotoma mossopi* Womersley (2177) pp. 454, 469, fig. 5 a-c; South Rhodesia.
1959. *Isotoma notabilis mossopi* Paclt (2316) p. 44; South Africa.

Isotoma multisetis Carpenter, 1922

PARATYPES: Brit. Mus. Nat. Hist., London.
1922. *Isotoma multisetis* Carpenter (404) p. 16, figs. 1–5; Bear Island.
1947. *Isotoma multisetis* Stach (1886) p. 355; Bear Is.
1960. *Isotoma multisetis* Gisin (2271) p. 206; Bear Is.

Isotoma multispinata James, 1933

1933. *Isotoma multispinata* James (1124) p. 95, Pl. I, figs. 1–8; Toronto.

Isotoma muscorum Schaeffer, 1900

1900. *Isotoma muscorum* Schaeffer (1739) p. 255, figs. 21–24; Germany.

Isotoma muskegis Guthrie, 1903

1903. *Isotoma muskegis* Guthrie (951) p. 72, Pl. XIII; Minnesota.
1933. *Isotoma muskegis* James (1124) p. 94; Canada.

Isotoma negishina Börner, 1909

TYPE: Brit. Mus. Nat. Hist., London.
1909. *Isotoma negishina* Börner (246) p. 108; Japan.
1938. *Isotoma megishina* Uchida (2015) p. 7; Japan.
1939. *Isotoma (Isotoma) negishina* Yosii (2223) p. 373, fig. 15; Japan.
1956. *Isotoma negishina* Paclt (1541) p. 117; Biology.
1957. *Isotoma negishina* Uchida (2042) p. 39; Japan.

Isotoma nigra MacGillivray, 1896

COTYPES: Mus. Comp. Zool., Harvard.
1896. *Isotoma nigra* MacGillivray (1345) p. 56; U.S.A.
1919. *Isotoma nigra* McNamara (1360) p. 244; Remarks.
1933. *Isotoma nigra* James (1124) p. 96; Canada.
1956. *Isotoma nigra* Paclt (1541) p. 98; Biology.

Isotoma nigrifons* Folsom, 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Isotoma nigrifrons* Mills (1417) p. 60, figs. 107, 108; Iowa.
1937. *Isotoma (Isotoma) nigrifons* Folsom (806) p. 105, Pl. 35, figs. 404–411; Illinois.
1947. *Isotoma nigrifons* Stach (1886) p. 361; U.S.A.
1950. *Isotoma nigrifons* Wray (2216) p. 62; Utah.

Isotoma nigropunctata Imms, 1912

1912. *Isotoma nigropunctata* Imms (1090) p. 90, Pl. VII, figs. 27–29; E. Himalayas.

Isotoma nitida Becker, 1902

1902. *Isotoma nitida* Becker (158) p. 27, fig. 14; Russia.

Isotoma nivalis Carl, in Babler, 1910

1910. *Isotoma nivalis* (Carl, in Babler) (85) p. 905; Switzerland.
1919. *Isotoma nivalis* Handschin (977) p. 77; Switzerland; Finland.
1924. *Isotoma nivalis* Handschin (981) p. 115, figs. 11, 70–72; Diagnosis, Switzerland.
1926. *Isotoma nivalis* Stirnimann (1907) p. 252; Ecology.
1929. *Isotoma nivalis* Handschin (1008) p. 71, fig. 126; Alps.
1937. *Isotoma nivalis* Hesse *et al.* (1052) p. 508; Ecology.
1938. *Isotoma nivalis* Kseneman (1220) p. 16; Europe.
1947. *Isotoma nivalis* Stach (1886) p. 363; Alps.
1960. *Isotoma nivalis* Gisin (2271) p. 208, fig. 378; Carpathians.
1960. *Isotoma pseudomaritima* Gisin (2271) p. 208; Syn.
1960. *Isotoma (Isotoma) nivalis* Grindbergs (2373) p. 44; U.S.S.R.
1960. *Isotoma pseudomaritima* Grindbergs (2373) p. 44; U.S.S.R.

Isotoma nivea Schaeffer, 1897

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1897. *Isotoma nivea* Schaeffer (1735) p. 184, figs. 77, 78; Germany.
1900. *Isotoma nivea* Axelson (75) p. 114; Germany; Finland.
1902. *Isotoma nivea* Schött (1772) p. 26, Pl. I, fig. 20, Pl. IV, figs. 2, 3; North Sweden.

Isotoma nivicola Axelson, 1900

TYPE: Univ. Zool. Mus., Div. Entom., Helsinki.
1900. *Isotoma nivicola* Axelson (75) p. 120; Finland.

Isotoma obsoleta MacGillivray, 1896

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Isotoma obsoleta* MacGillivray (1345) p. 54; Ohio.
1937. *Proisotoma (Proisotoma) obsoleta* Folsom (806) p. 56, Pl. 21, figs. 226–228; Ohio.

Isotoma obtusicauda Schaeffer, 1897

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1897. *Isotoma obtusicauda* Schaeffer (1736) p. 19, figs. 42–45; Chile.
1921. *Proisotoma obtusicauda* Schött (1775) p. 35; Juan Fernandez Is.; Easter I.
1947. *Ballistrura obtusicauda* Stach (1886) p. 235; Chile.

Isotoma occulta Börner, 1909

1909. *Isotoma occulta* Börner (246) p. 110; Japan.
1938. *Isotoma occulta* Uchida (2015) p. 7; Japan.
1939. *Isotoma (Isotoma) occulta* Yosii (2223) p. 382, fig. 20; Japan.
1947. *Isotoma occulta* Stach (1886) p. 358; Japan.
1957. *Isotoma occulata* Uchida (2042) p. 39; *lapsus calami.*

Isotoma ornata Wahlgren, 1906

1906. *Isotoma ornata* Wahlgren (2079) p. 15, figs. 33–35; Antarctic.
1912. *Isotoma ornata* Enderlein (725) p. 56; Falkland Islands.

Isotoma pallida Moniez, 1894

1894. *Isotoma pallida* Moniez (1450) p. 354; Brazil.

Isotoma pallidafasciata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Isotoma pallidafasciata* Salmon (1676) p. 336, Pl. 53, figs. 226–228; New Zealand.

Isotoma pallipes Kos, 1942

1942. *Isotoma pallipes* Kos (1199) p. 130, figs. 17–24; Yugoslavia.
1944. *Isotoma pallipes* Kos (1200) p. 5–; Yugoslavia.
1947. *Isotoma pallipes* Stach (1886) p. 363; East Julic Alps.
1960. *Isotoma pallipes* Gisin (2271) p. 207; Yugoslavia.

Isotoma paradoxa Carl, 1899

TYPE: Mus. Hist. Natur., Geneva?
1899. *Isotoma paradoxa* Carl (352) p. 317, fig. 9, 45–48; Switzerland.

Isotoma parva MacGillivray, 1896

PARATYPES: Mus. Comp. Zool., Harvard.
1896. *Isotoma parva* MacGillivray (1345) p. 50; Ohio.

Isotoma pentomma (Womersley) 1939

SYNTYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1935. *Isotoma decemoculata* Womersley (2182) p. 216; South Australia.
1939. *Isotoma pentomma* Womersley (2190) p. 165, fig. 56 T-W; South Australia; *nom nov.*

Isotoma perkinsi Carpenter, 1904

1904. *Isotoma perkinsi* Carpenter (374) p. 302, Pl. IX, figs. 17–19; Kauai, Hawaii Islands.

* The name *nigrifrons* was first published by Mills (1417) in 1934 but in publishing it Mills gives credit of authorship to Folsom. Under Article 21 of the Code this would seem to be quite in order.

1932. *Isotoma perkinsi* Folsom (801) p. 63; Hawaii.
1948. *Isotoma perkinsi* Zimmerman (2237) p. 56; Hawaii.

Isotoma persea Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Isotoma persea* Wray (2204) p. 98, figs. 15–16; Illinois.

Isotoma pinnata Börner, 1909

LECTOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1909. *Isotoma pinnata* Börner (246) p. 110; Japan.
1938. *Isotoma pinnata* Uchida (2015) p. 7; Japan.
1939. *Isotoma (Isotoma) pinnata* Yosii (2223) p. 384, fig. 21; Japan.
1947. *Isotoma pinnata* Stach (1886) p. 359; Japan.
1957. *Isotoma pinnata* Uchida (2042) p. 39; Japan.

Isotoma pinnata alba Uchida, 1943

1943. *Isotoma pinnata alba* Uchida (2020) p. 13, Pl. II, F-I; Japan.
1957. *Isotoma pinnata alba* Uchida (2042) p. 40; Japan.

Isotoma pinnata album Börner, 1909

1909. *Isotoma pinnata album* Börner (246) p. 112; Japan.
1938. *Isotoma pinnata album* Uchida (2015) p. 7; Japan.
1957. *Isotoma pinnata album* Uchida (2042) p. 39; Japan.

Isotoma pinnata coracina Börner, 1909

LECTOTYPE AND PARATYPE: Brit. Mus. Nat. Hist., London.
1909. *Isotoma pinnata coracina* Börner (246) p. 112; Japan.
1938. *Isotoma pinnata voracina* Uchida (2015) p. 7; Japan.
1957. *Isotoma pinnata coracina* Uchida (2042) p. 39; Japan.

Isotoma pinnata fasciata Börner, 1909

1909. *Isotoma pinnata fasciata* Börner (246) p. 112; Japan.
1938. *Isotoma pinnata fasciata* Uchida (2015) p. 7; Japan.
1943. *Isotoma pinnata fasciata* Uchida (2020) p. 13; Japan.
1950. *Isotoma pinnata fasciata* Kinoshita and Uchida (1179) p. 14 and fig.; Japan.
1957. *Isotoma pinnata fasciata* Uchida (2042) p. 39; Japan.

Isotoma pinnata melanocephala Börner, 1909

1909. *Isotoma pinnata melanocephala* Börner (246) p. 112; Japan.
1938. *Isotoma pinnata melanocephala* Uchida (2015) p. 7; Japan.
1943. *Isotoma pinnata melanocephala* Uchida (2020) p. 13; Japan.
1957. *Isotoma pinnata melanocephala* Uchida (2042) p. 39; Japan.

Isotoma plumbea Packard, 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Isotoma plumbea* Packard (1521) p. 35; Massachusetts.
1891. *Isotoma plumbea* MacGillivray (1341) p. 274; Massachusetts; Long I.; Ohio.
1909. *Isotoma plumbea* Dow and Smith (692) p. 35; New Jersey.

Isotoma poppiusi Axelson, 1904

1904. *Isotoma Poppiusi* Axelson (78) p. 5, figs. 1–4; Siberia.

Isotoma poseidonis Bagnail, 1939

1939. *Isotoma poseidonis* Bagnall (119) p. 96; Britain.
1939. *Isotoma poseidonis* Bagnall (120) p. 199; Britain.
1955. *Isotoma (Isotoma) poseidonis* Strenzke (1926) p. 43; Britain.

Isotoma propinqua Axelson. 1902

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1902. *Isotoma propinqua* Axelson (76) p. 107; Finland.
1904. *Isotoma propinqua* Ågren (56) p. 15, fig. 10; Lapland.
1905. *Isotoma propinqua* Axelson (81) p. 33; Tvärminne, Finland.
1906. *Isotoma propinqua* Wahlgren (2080) p. 256; Sweden.
1907. *Isotoma propinqua* Axelson (83) p. 130; Finland.
1911. *Isotoma propinqua* Axelson (1291) p. 16; Norway.
1912. *Isotoma propinqua* Axelson (1292) p. 153, Pl. I, fig. 15, Pl. XII, figs. 9–12; Finland; Diagnosis.
1919. *Isotoma propinqua* Wahlgren (2089) p. 750; Sweden.
1934. *Isotoma propinqua* Durkop (707) p. 504; Scandinavia.
1936. *Isotoma propinqua* Agrell (39) p. 6, fig. 1 a; Scandinavia.
1941. *Isotoma propinqua* Agrell (46) p. 20; Swedish Lapland.
1943. *Isotoma propinqua* Agrell (47) p. 125; Sweden.
1943. *Isotoma propinqua* Gisin (853) p. 165; Switzerland.
1945. *Isotoma propinqua* Agrell (50) p. 10; Sweden; Norway; Habitats.
1945. *Isotoma propinqua* Backlund (86) p. 38; Add. descr.
1947. *Isotoma propinqua* Stach (1886) p. 360; North and Central Europe.
1949. *Isotoma propinqua* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Isotoma propinqua* Schaller (1746) p. 490; Germany; Ecology.
1956. *Isotoma propinqua* Bockemuhl (193) p. 141; Spitzbergen.
1956. *Isotoma propinqua* Cassagnau (424) p. 1.
1958. *Isotoma propinqua* von Torne (1993) p. 667; Austria.
1959. *Isotoma propinqua* Stach (1869) p. 69; Systematics.
1960. *Isotoma propinqua* Gisin (2271) p. 209; Europe.
1960. *Isotoma (Isotoma) propinqua* Grindbergs (2373) p. 44; U.S.S.R.

Isotoma proninqua hexaspinata Agrell, 1936

1936. *Isotoma propinqua hexaspinata* Agrell (39) p. 7, fig. 2; Scandinavia.
1960. *Isotoma propinqua hexaspina* Gisin (2271) p. 209; Alps, Europe.

Isotoma pseudomaritima Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Isotoma pseudomaritima* Stach (1886) p. 436, Pl. XLVII, figs. 1–11; Poland.
1951. *Isotoma pseudomaritima* Stach (1889) p. 84, fig. 45; Poland.
1955. *Isotoma pseudomaritima* Stach (1893) p. 133, figs. 381–385; Carpathians.
1958. *Isotoma pseudomaritima* Murphy (1476) p. 524; Algeria.
1958. *Isotoma pseudomaritima* Nosek (1503) p. 358–; Czechoslovakia.
1959. *Isotoma pseudomaritima* Stach (1896) p. 36; Poland.

Isotoma pulchella Moniez, 1890

1890. *Isotoma pulchella* Moniez (1444) p. 431, figs. 1, 2; France.
1891. *Isotoma pulchella* Moniez (1447) p. 70; France.
1924. *Proisotoma pulchella* Denis (614) p. 291; France.

Isotoma pulex* Gervais, 1844

1844. *Isotoma Puce (pulex)* Gervais (841) p. 435, Pl. 50, fig. 10; France.
1847. *Cyphoderus pulex* Nicolet (1496) p. 382; Paris.

Isotoma purpurascens Packard, 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Isotoma purpurascens* Packard (1521) p. 34; Texas.
1891. *Isotoma purpurascens* MacGillivray (1341) p. 274; Texas.

Isotoma raffi Womersley, 1934

COTYPES: Sth. Austr. Mus., Adelaide.
1934. *Isotoma raffi* Womersley (2178) p. 104, fig. 8 p-r; Victoria, Australia.
1935. *Isotoma raffi* Womersley (2181) p. 216; Australia.
1939. *Isotoma raffi* Womersley (2190) p. 162, fig. 56 A-C; South Australia.
1948. *Isotoma raffi* Salmon (1687) p. 296, figs. 14, 15; Three Kings Is., New Zealand.

Isotoma rhopalota Scherbakow, 1898

1898. *Isotoma rhopalota* Scherbakow (1750) p. 64, figs. 8–9; Kiev.
1930. *Isotoma rhopalota* Kel'shtein (1161) p. 78; Russia.
1960. *Isotoma rhopalota* Grindbergs (2373) p. 64; U.S.S.R.

Isotoma rivularis Latzel, 1922

1922. *Isotoma rivularis* Latzel (1250) p. 58; European Alps.

Isotoma rubricauda Bourlet, 1839

1839. *Isotoma rubricauda* Bourlet (259) p. 402; Europe.
1844. *Isotoma rubricauda* Gervais (841) p. 434; France.
1844. *Podura rubricauda* Lucas (1327) p. 291; Europe; References.

Isotoma saltans (Agassiz) 1841

1841. *Desoria saltans* Agassiz (34) p. 384; Switzerland.
1841. *Desoria saltans* Nicolet (1492) p. 384–; Swiss Alps.
1842. *Desoria glacialis* Nicolet (1493) p. 58, Pl. 5, fig. 10; Swiss Alps.
1844. *Desoria glacialis* Gervais (841) p. 427; Europe.
1844. *Desoria saltans* Lucas (717) p. 292; References.
1845. *Desoria glacialis* Bourlet (266) p. 67; Europe.
1847. *Isotoma glacialis* Nicolet (1496) p. 372, Pl. V, figs. 29-a, 35; Swiss Alps.
1855. *Isotoma glacialis* Brauer (269) p. 23; Europe.
1860. *Desoria glacialis* Rossmassler (1668) p. 537; Europe.
1871. *Isotoma glacialis* Packard (1519) p. 19; Embryology.
1871. *Isotoma glacialis* Packard (1520) p. 14; Embryology.
1878. *Isotoma saltans* Parona (1557) p. 601; Italy.
1883. *Isotoma saltans* Parona (1558) p. 463; Italy.
1883. *Desoria saltans* Wittrock (2142) p. 117; Scandinavia.
1883. *Isotoma saltans* Wittrock (2142) p. 117; Scandinavia.
1889. *Isotoma saltans* Dalla Torre (497) p. 145–; Italy.
1895. *Isotoma saltans* Dalla Torre (498) p. 10; Central Europe.
1895. *Desoria glacilis* Vogler (2064) p. 31; Swarming.
1895. *Isotoma saltans* Vogler (2064) p. 31; Swarming.
1896. *Isotoma saltans* Schött (1768) p. 117; France; Historical.
1897. *Desoria glacialis* Heymons (1055) p. 118; Anatomy.
1897. *Isotoma saltans* Heymons (1055) p. 118; Anatomy.
1899. *Isotoma saltans* Carl (352) p. 313, Pl. 8, figs. 30, 31, 32; Switzerland.
1901. *Isotoma saltans* Carl (354) p. 262; Switzerland.
1901. *Desoria glacialis* Lie-Pettersen (2382) p. 202.
1901. *Isotoma saltans* Lie-Pettersen (2382) p. 202–.
1907. *Desoria glacialis* Latzel (1247) p. 65; Austria.
1907. *Isotoma saltans* Latzel (1247) p. 68; Austria.
1907. *Isotoma saltans* Latzel (1248) p. 152; Austria.
1919. *Isotoma saltans* Handschin (977) p. 77; Switzerland.
1919. *Isotoma saltans* McNamara (1360) p. 243; Swiss Alps.
1922. *Isotoma saltans* Latzel (1250) p. 59; European Alps.
1924. *Isotoma saltans* Denis (614) p. 259; France.
1924. *Isotoma saltans* Handschin (981) p. 114, Pl. I, fig. 10, Pl. 4, figs. 68, 69; Switzerland.
1925. *Isotoma saltans* Denis (617) p. 711; Italy.
1926. *Isotoma saltans* Handschin (988) p. 42; Biology.
1929. *Isotoma saltans* Handschin (1008) p. 71, fig. 125; France; Switzerland; Austria.
1931. *Isotoma saltans* Denis (639) p. 216; Germany; Systematics.
1937. *Isotoma saltans* Hesse *et al.* (1052) p. 383–; Ecology.
1937. *Isotoma saltans* Schimitschek (1757) p. 220; Ecology.
1938. *Isotoma saltans* Kseneman (1220) p. 16; Europe.
1941. *Isotoma saltans* Kos (1198) p. 92–; Yugoslavia.
1947. *Isotoma saltans* Stach (1886) p. 362; The Alps.
1949. *Isotoma saltans* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Isotoma saltans* Schaller (1745) p. 294–; Collembola as food.
1952. *Isotoma saltans* Brummer (327) p. 16, fig. 2; Europe.
1955. *Isotoma saltans* Chopard (434) p. 20; France.
1956. *Isotoma saltans* Paclt (1541) p. 57–; Biology.
1957. *Isotoma saltans* Mayer (1390) p. 557; Collembola as food.
1960. *Isotoma saltans* Gisin (2271) p. 208; Europe.
1960. *Isotoma (Isotoma) saltans* Grindbergs (2373) p. 44; U.S.S.R.

Isotoma sandersoni Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Isotoma sandersoni* Wray (2204) p. 104, figs. 50–52; Illinois.

Isotoma schaefferi Krausbauer 1898

1898. *Isotoma schäfferi* Krausbauer (1203) p. 502; Germany.
1900. *Isotoma schäfferi* Schäffer (1739) p. 260; Germany.

* Nicolet (1496) p. 382 states that he obtained specimens of Gervais' *Isotoma pulex* from the tanning-house of the Paris Museum and he considers that they are a *Cyphoderus*. However, Gervais' original figure, Pl. 50, fig. 10, shows an insect with ocelli. As the genus *Cyphoderus* has no ocelli either Nicolet's interpretation of *Cyphoderus* was erroneous, or Gervais' drawing is of some other species. I prefer to accept Gervais' drawing and I consider his species best left in the genus *Isotoma*.

1901. *Isotoma schäfferi* Börner (234) pp. 1–140; Germany.
1901. *Isotoma schäfferi* Carl (354) p. 258; Germany; North America.
1901. *Isotoma schäfferi* Krausbauer (1204) p. 70, figs. 64–70, Pl. II, fig. 64; Germany.
1928. *Isotoma schäfferi* Folsom (800) p. 11–; New York.
1932. *Proisotoma schäfferi* Stammer (1897) p. 610–; Ecology.
1937. *Proisotoma (Proisotoma) schäfferi* Folsom (806) p. 46, Pl. 16, figs. 169–170, Pl. 17, figs. 171–176; U.S.A.
1944. *Isotoma schäfferi* Gisin (854) p. 59; Central Europe; Caucasus; North America.
1951. *Isotoma (Isotoma) schäfferi* Maynard (1393) p. 108, Pl. XII, figs. 198–199; New York.
1960. *Isotomurus schäfferi* Gisin (2271) p. 212, fig. 386; Europe.

Isotoma schaefferi zonata Tarsia in Curia, 1943

1943. *Isotoma schäfferi zonata* Tarsia in Curia (1956) p. 53, figs. 5, 6; Italy.

Isotoma semenkevitschi Scherbakow, 1898

1898. *Isotoma semenkevitschi* Scherbakow (1750) p. 63; Kiev.
1960. *Isotoma semenkewitschi* Grindbergs (2373) p. 64; U.S.S.R.

Isotoma silvatica Schaeffer, 1897

1897. *Isotoma silvatica* Schaeffer (1736) p. 18, figs. 34–37; Tierra del Fuego.
1912. *Isotoma silvatica* Enderlein (725) p. 127; Tierra del Fuego.

Isotoma siva Imms, 1912

TYPE: Indian Museum, Calcutta.
1912. *Isotoma siva* Imms (1090) p. 89, Pl. VI, figs. 16–18, Pl. VII, fig. 19; Himalayas.
1955. *Isotoma siva* Mani, Singh, Gupta and Baijal (1369) p. 510; N.W. Himalayas.

Isotoma speciosa MacGillivray, 1896

TYPE: Mus. Comp. Zool., Harvard.
1896. *Isotoma speciosa* MacGillivray (1345) p. 55; New York.

Isotoma spelaea (Joseph) 1881

1881. *Desoria spelaea* Joseph (1149) p. 252; caves, Sth. Austria.
1882. *Isotoma (Desoria) spelaea* Joseph (1150) p. 19; caves, South Austria.
1960. *Degeeria spelaea* Grindbergs (2373) p. 21; U.S.S.R.

Isotoma sphagneticola Linnaniemi, 1912

TYPE: Univ. Mus., Div. Entom., Helsinki.
1912. *Isotoma sphagneticola* Linnaniemi (1292) p. 171; Finland.
1929. *Isotoma sphagneticola* Handschin (1008) p. 66; Finland.
1939. *Isotoma sphagneticola* Bagnall (119) p. 97; Britain.
1947. *Isotoma sphagneticola* Stach (1886) p. 365; Finland.
1953. *Isotoma sphagneticola* Hammer (972) p. 51; Nth. Canada.
1960. *Isotomina sphagneticola* Gisin (2271) p. 199; Scotland.
1960. *Isotomina sphagneticola* Grindbergs (2373) p. 41; U.S.S.R.

Isotoma spilosoma Gervais, 1844

1844. *Isotoma spilosoma* Gervais (841) p. 435, Pl. 50, fig. 9; France.
1847. *Isotoma spilosoma* Nicolet (1496) p. 374; Paris.
1891. *Isotoma palustris spilosoma* Parfitt (1550) p. 342; Devon.

Isotoma spitzbergenensis Lubbock, 1898

1898. *Isotoma spitzbergenensis* Lubbock (1324) p. 616, figs. 1–7; Spitzbergen.
1899. *Isotoma spitzbergenensis* Carpenter and Evans (402) p. 252, Pl. VIII, figs. 5–8; Scotland.
1899. *Isotoma spitzbergenensis* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Isotoma spitzbergenensis* Skorikow (1833) p. 198; Spitzbergen.
1900. *Isotoma spitzbergenensis* Wahlgren (2077) p. 375; Spitzbergen.

Isotoma stagnalis Willem, 1900

1900. *Isotoma stagnalis* Willem (2123) Pl. VIII, fig. 3; Europe.
1900. *Isotoma stagnalis* Willem (2124) p. 28, figs. 1–3; Europe.
1901. *Isotoma stagnalis* Willem (2129) p. 193, figs. 1–3.
1956. *Isotoma stagnalis* Stevanovic (1903) p. 4; Yugoslavia.

Isotoma stagnalis tenebricola Willem, 1900

1900. *Isotoma stagnalis tenebricola* Willem, (2124) p. 30, figs. 4, 5; Europe.
1901. *Isotoma tenebricola* Willem (2129) p. 193–, figs. 4, 5.
1901. *Isotoma stagnalis tenebricola* Willem (2129) p. 193–, figs. 4, 5.

Isotoma stagnorum (De Geer) 1744

1744. *Podura aquatica cinerea* De Geer (529) p. 63, Pl. IV; Europe.
1778. *Podura aquatica grisea* De Geer (532) p. 28, Pl. 2, figs. 18, 19; Europe.
1793. *Podura aquatica* Gmelin (910) p. 2910; Europe.
1847. *Isotoma stagnorum* Nicolet (1496) p. 375; France; Synonymy.
1873. *Isotoma stagnorum* Lubbock (1318) pp. 10, 59; Synonymy.

Isotoma stuxbergi Tullberg, 1876

1876. *Isotoma stuxbergii* Tullberg (2004) p. 35, Pl. IX, figs. 19–22.
1891. *Isotoma stuxbergi* Moniez (1447) p. 70; France.
1891. *Isotoma stuxbergii* Reuter (1641) p. 229; Siberia.

Isotoma subaequalis Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Isotoma (Isotoma) subaequalis* Folsom (806) p. 107, Pl. 36, figs. 418–421; Michigan.
1947. *Isotoma subaequalis* Stach (1886) p. 358; U.S.A.

Isotoma subcaerula Kos, 1942

1942. *Isotoma subcaerula* Kos (1199) p. 134, figs. 25, 26; Yugoslavia.
1944. *Isotoma subcaerulea* Kos (1200) p. 5–; Yugoslavia.
1947. *Isotoma subcaerula* Stach (1886) p. 364; Sub-Julic Alps.
1958. *Isotoma subcaerulea* von Torne (1993) p. 667; Austria.
1960. *Isotoma subcaerulea* Gisin (2271) p. 207; Alps, Yugoslavia; Austria.

Isotoma subviridis Folsom, 1937

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A .
1937. *Isotoma (Isotoma) subviridis* Folsom (806) p. 115, Pl. 38, figs. 442–449; Washington and Canada.

1944. *Isotoma graciliseta* Börner and Gisin (854) p. 60; Japan; cf. Maynard (1393) p. 109.
1947. *Isotoma subviridis* Stach (1886) p. 356; U.S.A.; Canada.
1951. *Isotoma (Isotoma) subviridis* Maynard (1393) p. 109; New York.
1959. *Isotoma (Isotoma) subviridis* Wilkey (2350) p. 223; California.

Isotoma swani Womersley, 1934

HOLOTYPE, ALLOTYPE: Sth. Austr. Mus., Adelaide.
1934. *Isotoma swani* Womersley (2178) p. 101, fig. 7 a-g; W. Australia.
1939. *Isotoma (Isotoma) swani* Womersley (2190) p. 159, Pl. I, fig. 2, fig. 55 E-J; W. Australia.

Isotoma synonymica MacGillivray, 1896

1896. *Isotoma synonymica* MacGillivray (1345) p. 52; Ohio.

Isotoma tahitiensis* nom. nov.

HOLOTYPE, PARATYPE: Manchester Mus., England.
1935. *Isotoma alticola* Carpenter (399) p. 136, fig. 1; Tahiti.

Isotoma takahashii Yosii, 1940

1940. *Isotoma takahashii* Yosii (2225) p. 115, figs. 7–12; Formosa.
1957. *Isotoma takahashii* Uchida (2042) p. 39; Formosa.

Isotoma tariva Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Isotoma tariva* Wray (2206) pp. 54–56; North America.

Isotoma tenuicornis Axelson, 1903

TYPE: Univ. Mus., Div. Ent., Helsinki.
1903. *Isotoma tenuicornis* Axelson (77) p. 10; Finland.
1905. *Isotoma tenuicornis* Axelson (81) p. 33; Tvärminne, Finland.
1907. *Isotoma tenuicornis* Axelson (83) p. 131; Finland.
1912. *Isotoma tenuicornis* Axelson (1292) p. 166, Pl. I, fig. 17, Pl. XIII, figs. 7–13; Finland.
1929. *Isotoma tenuicornis* Handschin (1008) p. 66; Finland.
1930. *Isotoma tenuicornis* Womersley (2168) p. 181; Ireland.
1937. *Isotoma tenuicornis* Kseneman (1217) p. 470; Carpathians.
1939. *Isotoma tenuicornis* Bagnall (119) p. 97; Britain.
1947. *Isotoma tenuicornis* Stach (1886) p. 363; Finland.
1949. *Isotoma tenuicornis* Strenzke (1922) p. 207; Germany; Ecology.
1960. *Isotoma tenuicornis* Gisin (2271) p. 206; Finland.

Isotoma terminata MacGillivray, 1896

TYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Isotoma terminata* MacGillivray (1345) p. 56; New York; Ohio; = *arborea?*

Isotoma termitophila Womersley, 1934

TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Isotoma termitophila* Womersley (2178) p. 103, fig. 8 a-f; W. Australia.
1939. *Isotoma (Isotoma) termitophila* Womersley (2190) p. 159, fig. 55 K-P; W. Australia.

Isotoma tesselata Rapoport, 1962

1962. *Isotoma tesselata* Rapoport (2534) p. 449, figs. 32–38; Argentina.

Isotoma theobaldi Carl, 1899

TYPE: Mus. Hist. Natur., Geneva?
1899. *Isotoma theobaldi* Carl (352) p. 315, figs. 33–36; Switzerland.
1922. *Isotoma theobaldi* Latzel (1250) p. 59; Ostalpen and Karstes, Austria.

Isotoma tigrina† (Nicolet) 1842

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1842. *Desoria tigrina* Nicolet (1493) p. 59, Pl. 5, fig. 11; Switzerland.
1844. *Desoria tigrina* Gervais (841) p. 428; Switzerland.
1844. *Desoria tigrina* Lucas (1327) p. 292; Reference only.
1845. *Desoria tigrina* Bourlet (266) p. 67; Europe.
1847. *Isotoma tigrina* Nicolet (1496) p. 372; Switzerland.
1871. *Isotoma tigrina* Tullberg (2002) p. 152; Sweden.
1872. *Isotoma tigrina* Tullberg (2003) p. 47, Pl. IX, figs. 12, 13; Sweden.
1875. *Desoria tigrina* Parona (1556) p. 299; Italy.
1878. *Isotoma tigrina* Parona (1557) p. 602; Italy.
1876. *Isotoma tigrina* Reuter (1628) p. 82; Finland.
1883. *Isotoma tigrina* Parona (1558) p. 463; Italy.
1887. *Isotoma tigrina* Oudemans (1510) p. 98; Holland.
1888. *Isotoma tigrina* Parona (1563) p. 143; Italy.
1891. *Isotoma tigrina* Uzel (2050) p. 64; Bohemia.
1893. *Isotoma tigrina* Schött (1765) p. 68, Pl. VI, fig. 11; Sweden.
1896. *Isotoma grisescens* Schaeffer (1735) p. 188, Pl. III, fig. 87; Germany; cf. Ågren (55) p. 135.
1897. *Isotoma tigrina* Schäffer (1735) p. 184, fig. 79; Germany.
1895. *Isotoma tigrina* Reuter (1643) p. 26, Tab. I, fig. 1; Finland; Sweden; Bohemia; France?; Switzerland?; Germany.
1898. *Isotoma tigrina* Scherbakow (1750) p. 59; Kiev, Russia.
1899. *Isotoma tigrina* Carl (352) p. 310; Switzerland.
1899. *Isotoma tigrina* Schött (1770) p. 172; Tierra del Fuego.

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* The specific name *alticola* was used in 1899 by Carl for a species of *Isotoma* from Switzerland. And, as Börner has already used the name *carpenteri,* I have renamed Carpenter's species after the island where it was found.

† After thorough consideration of all the relevant literature particularly the descriptions and drawings of Nicolet, Lubbock, Tullberg and Stach I am satisfied that the species known at present as *Isotoma olivacea* after Stach's 1947 monograph (1886) p. 396, is the same insect as that described by Lubbock under the specific name *grisea* 1870 and by Nicolet under the specific name *tigrina* 1842. It follows therefore, that the correct name should be *I. tigrina* Nicolet, 1842. Stach discusses this (1886) pp. 401–402 but adopts the name *olivacea* while admitting that Lubbock's name *grisea* would be more correct. I consider that Lubbock's and Tullberg's forms are recognisable subspecies and should be known as *I. tigrina grisea* and *I. tigrina olivacea* respectively.

1900. *Isotoma affinis* Axelson (75) p. 105–; Finland; cf. Ågren (55) p. 135.
1901. *Isotoma tigrina* Krausbauer (1204) p. 67; Germany.
1902. *Isotoma tigrina* Schött (1772) p. 27, Pl. I, fig. 22, a, b; Boreal Scandinavia.
1903. *Isotoma tigrina* Ågren (55) p. 135; Sweden; Synonymy.
1903. *Isotoma tigrina* Diem (688) p. 357; Ecology.
1905. *Isotoma tigrina* Axelson (81) p. 32; Tvärminne, Finland.
1906. *Isotoma tigrina* Axelson (82) p. 16; Russia.
1906. *Isotoma tigrina* Wahlgren (2080) p. 256, fig. 20-g; Sweden.
1907. *Isotoma tigrina* Axelson (83) p. 130; Finland.
1908. *Isotoma tigrina* Schille (1755) p. 8; Poland.
1912. *Isotoma tigrina* Schille (1756) p. 8; Galizien.
1924. *Isotoma tigrina* Denis (614) p. 259; France.
1925. *Isotoma tigrina* Denis (617) p. 211; Italy.
1927. *Isotoma tigrina* Denis (629) p. 196; Italy.
1929. *Isotoma tigrina* Kel'schtein (1160) p. 247; Russia.
1934. *Isotoma olivacea tigrina* Durkop (707) p. 503, fig. 5.
1937. *Isotoma tigrina* Denis (663) p. 54; Italy, caves.
1938. *Isotoma tigrina* Denis (665) p. 127; Italy.
1943. *Isotoma tigrina* Gisin (853) p. 166; Switzerland.
1945. *Isotoma olivacea tigrina* Backlund (86) p. 40, fig. 3 a-d; Justification.
1948. *Isotoma tigrina* Gisin (867) p. 83; Switzerland.
1949. *Isotoma tigrina* Schaller (1742) p. 268; Germany; Ecology.
1956. *Isotoma tigrina* Paclt (1541) p. 87; Biology.

Isotoma tigrina albella (Packard) 1873

1873. *Isotoma albella* Packard (1521) p. 32; North America.
1945. *Isotoma olivacea albella* Agrell (50) p. 10; Sweden.

Isotoma tigrina canadensis Brown, 1932

1932. *Isotoma olivacea canadensis* Brown (312) p. 334, Pl. XII, figs. 1–4; North Canada.
1947. *Isotoma olivacea canadensis* Stach (1886) p. 404; North Canada.

Isotoma tigrina caerulea Ågren, 1903

1903. *Isotoma tigrina* (Tullberg) (*mihi*) *caerulea* Ågren (55) p. 136; Sweden.

Isotoma trigrina grisea (Lubbock) 1870

1870. *Isotoma grisea* Lubbock (1317) p. 278; Britain.
1873. *Isotoma grisea* Lubbock (1318) p. 172, Pl. XXIX; Britain.
1888. *Isotoma grisea* Parona (1563) p. 143; Italy.
1891. *Isotoma grisea* Uzel (2050) p. 64; Bohemia.
1896. *Isotoma grisescens* Schäffer (1735) p. 188, fig. 87; Germany.
COTYPE: Swed. Mus. Nat. Hist., Stockholm.
1899. *Isotoma grisescens* Carpenter and Evans (402) p. 248, Pl. V, fig. 4, Pl. VII, figs. 23–25; Scotland.
1900. *Isotoma grisescens* Axelson (75) p. 119; Finland.
1900. *Isotoma grisescens* Schäffer (1739) p. 257, figs. 18–20; Germany.
1900. *Isotoma grisea* Prowazek (1614) p. 335–; Morphology.
1900. *Isotoma grisea* Vellay (2056) p. 20; Hungary.
1901. *Isotoma oliveacea grisescens* Börner (234) p. 56; Central Europe.
1901. *Isotoma grisescens* Evans (739) p. 156; Scotland.
1901. *Isotoma grisescens* Evans (740) p. 153; Scotland.
1901. *Isotoma grisescens* Krausbauer (1204) p. 69; Germany.
1905. *Isotoma grisescens* Axelson (81) p. 32; Tvärminne, Finland.
1906. *Isotoma grisescens* Axelson (82) p. 15; Russia.
1907. *Isotoma grisescens* Axelson (83) p. 130; Finland.
1907. *Isotoma grisescens* Lie-Pettersen (1284) p. 62; Norway.
1908. *Isotoma grisescens* Evans (741) p. 196; Scotland.
1909. *Isotoma grisescens* Axelson (84) p. 11; Kanin Peninsula, Russia.
1910. *Isotoma grisea* Collinge and Shoebotham (472) p. 106, fig. 4; England.
1912. *Isotoma olivacea grisescens* Axelson (1292) p. 150, Pl. XI, 26–30, XII, 4, XIII, 6; Finland.
1913. *Isotoma grisea* Cameron (345) p. 176; England; Soil ecology.
1913. *Isotoma olivacea grisescens* Carpenter (388) p. 7; Clare I., Ireland.
1914. *Isotoma grisea* Shoebotham (1820) p. 61; Ireland.
1916. *Isotoma olivacea grisescens* Bartholin (149) p. 186; Denmark.
1917. *Isotoma grisea* Cameron (346) p. 50; England; Soil ecology.
1917. *Isotoma grisea* Shoebotham (1823) p. 221; England.
1918. *Isotoma grisescens* Brown (296) p. 186; England.
1919. *Isotoma grisescens neglecta* Axelson (1293) p. 7; Arctic Urals.
1919. *Isotoma olivacea grisescens* Wahlgren (2089) p. 750; Sweden.
1920. *Isotoma olivacea grisescens* Morris (1454) p. 147; Ecology, Britain.
1922. *Isotoma grisesiens* Bristowe (278) p. 42; Jan Mayen I.
1922. *Isotoma grisescens* Latzel (1250) p. 58; Ostalpen and Karstes, Austria.
1922. *Isotoma olivacea grisea* Stach (1860) p. 20; Hungary.
1922. *Isotoma olivacea grisescens* Stach (1860) p. 20; Hungary.
1923. *Isotoma olivacea grisescens* Womersley (2147) p. 32; S.W. England.
1924. *Isotoma olivacea grisescens* Handschin (981) p. 116; Switzerland.
1924. *Isotoma grisescens* Thompson (1970) p. 361; Ecology.
1924. *Isotoma olivacea grisescens* Womersley (2147) p. 32; S.W. England.
1925. *Isotoma grisea* Denis (617) p. 211; Italy.
1926. *Isotoma olivacea grisescens* Handschin (995) p. 125; Subterranean.
1926. *Isotoma olivacea grisescens* Womersley (2153) p. 219; S.W. England.
1927. *Isotoma olivacea grisescens* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Isotoma grisescens* Morris (1457) p. 446; Ecology.
1928. *Isotoma olivacea grisescens* Handschin (1003) p. 128; E. Prussia.
1928. *Isotoma olivacea grisescens* Jackson (1121) p. 302; England.
1928. *Isotoma oivacea grisescens* Krausse (1206) p. 118; Ecology.
1929. *Isotoma olivacea grisescens* Handschin (1008) p. 70; Systematics.
1929. *Isotoma olivacea grisea* Stach (1869) p. 290; Hungary.
1929. *Isotoma olivacea grisescens* Stach (1871) p. 273; Germany.
1930. *Isotoma olivacea grisescens* Buitendijk (334) p. 60; Holland.
1930. *Isotoma olivacea grisea* Stach (1869) p. 290; Nth. and Mid Europe; Greenland.

1930. *Isotoma olivacea grisescens* Womersley (2168) p. 180; Ireland.
1931. *Isotoma olivacea grisescens* Brown (310) p. 137; Lapland.
1931. *Isotoma grisescens* Denis (637) p. 11; Italy.
1931. *Isotoma grisescens* Denis (639) p. 215; Germany.
1931. *Isotoma olivacea grisescens* Lindroth (1286) p. 131; Iceland.
1932. *Isotoma olivacea grisescens* Kseneman (1211) p. 18; Czechoslovakia.
1933. *Isotoma olivacea griscens* Turk (2007) p. 93; Britain.
1934. *Isotoma olivacea grisescens* Agrell (37) p. 226; Ecology, Sweden.
1934. *Isotoma olivacea grisescens* Davis (526) p. 100; Ecology, Britain.
1934. *Isotoma olivacea grisescens* Durkop (707) p. 502, fig. 4 E.
1936. *Isotoma olivacea grisescens* Agrell (39) p. 12, fig. 3-g.
1937. *Isotoma* (*Isotoma*) *olivacea grisea* Folsom (806) p. 100, Pl. 33, figs. 376–383; Description; Distribution; Illinois.
1937. *Isotoma olivacea grisescens* Frenzel (828) p. 314; Ecology.
1938. *Isotoma olivacea grisescens* Kseneman (1220) p. 15; Europe.
1942. *Isotoma olivacea grisescens* Miles (1409) p. 16; Oxford, England.
1942. *Isotoma olivacea grisescens* Muhlmann (1467) p. 193–; Europe.
1945. *Isotoma olivacea grisescens* Agrell (50) p. 10; Sweden; Talpa and Arvicola nests.
1945. *Isotoma olivacea grisescens* Backlund (86) p. 40, fig. 3-e.
1947. *Isotoma olivacea grisea* Stach (1886) p. 403; Poland.
1948. *Isotoma olivacea grisea* Salt *et al.* (1724) p. 145, Ecology.
1949. *Isotoma olivacea grisescens* Strenzke (1922) p. 207; Germany, Ecology.
1955. *Isotoma olivacea grisea* Goto (921) p. 268; Britain.
1957. *Isotoma olivacea grisescens* Bodvarsson (2252) p. 29; Iceland.
1958. *Isotoma* (*Isotoma*) *olivacea grisescens* Grindbergs (2277) p. 197; Latvia.
1960. *Isotoma* (*Isotoma*) *olivacea grisea* Grindbergs (2373) p. 44; U.S.S.R.

Isotoma tigrina grisea intricata (Parfitt) 1891

1891. *Isotoma grisea intricata* Parfitt (1550) p. 344; England.

Isotoma tigrina intermedia (Agrell) 1936

1936. *Isotoma olivacea intermedia* Agrell (39) p. 11, fig. 3-d; Lapland.
1941. *Isotoma olivacea intermedia* Agrell (46) p. 20; Swedish Lapland.

Isotoma tigrina neglecta (Schäffer) 1900

1900. *Isotoma neglecta* Schäffer (1739) p. 258; Germany.
1903. *Isotoma tigrina coerulea* Ågren (55) p. 136; Sweden; cf. Stach (1886) p. 403.
1907. *Isotoma grisescens neglecta* Axelson (83) p. 30; Finland.
1909. *Isotoma grisescens neglecta* Axelson (84) p. 11; Kanin Peninsula.
1912. *Isotoma olivacea neglecta* Axelson (1292) p. 151, Pl. XI, fig. 31, Pl. XII, fig. 5; Finland.
1929. *Isotoma olivacea neglecta* Handschin (1008) p. 70; Germany.
1937. *Isotoma* (*Isotoma*) *olivacea neglecta* Folsom (806) p. 100, Pl. 32, figs. 372–375; Canada; Description.
1937. *Isotoma olivacea neglecta* Kseneman (1217) p. 470; Carpathians.
1938. *Isotoma olivacea neglecta* Kseneman (1220) p. 16; Europe.
1942. *Isotoma olivacea neglecta* Muhlmann (1467) p. 195; Europe.
1947. *Isotoma olivacea neglecta* Stach (1886) p. 403; Poland; Systematics.
1949. *Isotoma olivacea neglecta* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Isotoma olivacea neglecta* Maynard (1393) p. 118, Pl. XII, fig. 211; New York.
1952. *Isotoma olivacea neglecta* Hammer (971) p. 413; Greenland.
1957. *Isotoma olivacea neglecta* Bodvarsson (2252) p. 29; Iceland.
1960. *Isotoma* (*Isotoma*) *olivacea neglecta* Grindbergs (2373) p. 45; U.S.S.R.

Isotoma tigrina olivacea (Tullberg) 1871

1841. *Desoria virescens* Nicolet (1493) p. 59; Europe.
1870. *Isotoma grisea* Lubbock (1317) p. 278; Britain.
1871. *Isotoma olivacea* Tullberg (2002) p. 151; Sweden.
1872. *Isotoma olivacea* Tullberg (2003) p. 46, Pl. IX, figs. 9–10; Sweden.
1891. *Isotoma olivacea* Uzel (2050) p. 64; Bohemia.
1891. *Isotoma voraginum* Uzel (2050) p. 65, Pl. II, 14, 15; Bohemia.
1893. *Isotoma olivacea* Schött (1765) p. 68, Pl. VI, fig. 12, 13; Sweden.
1895. *Isotoma olivacea* Reuter (1643) p. 27; Finland; Sweden; Bohemia.
1896. *Isotoma olivacea* Lie-Pettersen (1281) p. 17; Norway.
1896. *Isotoma olivacea* Schött (1768) p. 116; Sweden, on snow.
1898. *Isotoma olivacea* Scherbakow (1750) p. 59; Kiev, Russia.
1898. *Isotoma olivacea* Scherbakow (1751) p. 9; Kiev.
1900. *Isotoma affinis* Axelson (75) p. 119.
1900. *Isotoma olivacea* Wahlgren (2077) pp. 367, 374; Greenland.
1901. *Isotoma olivacea* Börner (234) p. 54, Pl. II, fig. 6, T. fig. 25; Systematics.
1902. *Isotoma olivacea* Becker (158) p. 28; Russia.
1902. *Isotoma olivacea* Schött (1772) p. 27, Pl. I, fig. 21; Boreal.
1903. *Isotoma tigrina olivacea mihi* Ågren (55) p. 136; Sweden.
1904. *Isotoma olivacea* Axelson (79) p. 74; Norway.
1905. *Isotoma olivacea* Axelson (81) p. 32; Tvärminne, Finland.
1906. *Isotoma olivacea* Axelson (82) p. 15; Russia.
1906. *Isotoma olivacea* Wahlgren (2080) p. 256; Sweden.
1907. *Isotoma olivacea* Axelson (83) p. 130; Finland.
1907. *Isotoma olivacea* Wahlgren (2082) p. 225; Torne lappmark.
1908. *Isotoma olivacea* Schille (1755) p. 8; Poland.
1909. *Isotoma olivacea* Axelson (84) p. 12; N. Finland.
1911. *Isotoma olivacea* Axelson (1291) p. 16; Norway.
1912. *Isotoma olivacea* Axelson (1292) p. 149, Pl. XI, 21–31, Pl. XII, 4–4, Pl. XIII, 5–6; Diagnosis, Finland.
1912. *Isotoma olivacea* Schille (1756) p. 8; Galicia.
1912. *Isotoma olivacea* Schille (2394) p. 127; Poland.
1912. *Isotoma voraginum* Schille (2394) p. 127; Synonymy.
1916. *Isotoma olivacea* Bartholin (149) p. 169; Denmark.

1919. *Isotoma olivacea* Folsom (790) p. 279, Pl. 22, figs. 44–52; Greenland.
1919. *Isotoma olivacea* Wahlgren (2089) p. 746; Sweden.
1920. *Isotoma olivacea* Morris (1454) p. 147–; Ecology, England.
1922. *Isotoma olivacea* Latzel (1250) p. 58; Ostalpen and Karstes.
1922. *Isotoma olivacea* Morris (1456) p. 288; Ecology.
1922. *Isotoma olivacea* Stach (1860) p. 20; Hungary; Research history.
1923. *Isotoma olivacea* Brown (302) p. 262; England.
1927. *Isotoma olivacea* Carpenter (396) p. 199; Spitzbergen.
1928. *Isotoma olivacea* Remy (1625) p. 64; Greenland.
1928. *Isotoma olivacea* Summerhayes and Elton (1939) p. 208–; Spitzbergen.
1929. *Isotoma olivacea* Handschin (1008) p. 70, fig. 124; Palaearctic and Nearctic regions.
1929. *Isotoma olivacea* Stach (1869) p. 290; Hungary.
1931. *Isotoma olivacea* Boizowa (2357) p. 123; Ecology.
1931. *Isotoma olivacea* Denis (639) p. 216; Germany.
1931. *Isotoma olivacea* Schött (1780) p. 71; Scandinavia.
1932. *Isotoma olivacea* Brown (312) p. 335; Northern Hemisphere.
1932. *Isotoma olivacea* Krogerus (1210) p. 93; Finland.
1933. *Isotoma olivacea* James (1124) p. 96; Canada.
1934. *Isotoma olivacea* Durkop (707) p. 502; Systematics.
1934. *Isotoma olivacea* Jorgensen (1145) p. 7–; Greenland.
1934. *Isotoma olivacea* Mills (1417) p. 61, figs. 109–110; Iowa; Canada; Europe.
1934. *Isotoma olivacea* Volz (2069) p. 170–; Ecology.
1934. *Isotoma olivacea* Womersley (2178) p. 105; Adelaide.
1935. *Isotoma olivacea* Schubert (1790) p. 97; Europe.
1936. *Isotoma olivacea* Agrell (39) p. 8, fig. 3-f; Systematics.
1936. *Isotoma olivacea* Brown (314) p. 614; Lapland.
1937. *Isotoma* (*Isotoma*) *olivacea* Folsom (806) p. 98, Pl. 32, figs. 362–371; Descr. and Distr., U.S.A.; Canada; Greenland.
1937. *Isotoma olivacea* Frenzel (828) p. 296; Ecology
1938. *Isotoma olivacea* Hammer (968) p. 26; E. Greenland.
1939. *Isotoma olivacea* Griepenburg (944) p. 77; Germany.
1939. *Isotoma olivacea* Mills (1422) p. 159; North America.
1939. *Isotoma olivacea* Stach (1881) p. 398; caves in Glatzer schneeberges.
1939. *Isotoma* (*Isotoma*) *olivacea* Womersley (2190) p. 163, fig. 56 L-O; South Australia.
1941. *Isotoma olivacea* Agrell (46) p. 20; Swedish Lapland.
1941. *Isotoma olivacea* Buitendijk (336) p. 48; Netherlands; North and Mid Europe.
1942. *Isotoma olivacea* Haarlov (954) p. 45; Greenland.
1942. *Isotoma olivacea* Marlier (1375) p. 9; Belgium.
1942. *Isotoma olivacea* Muhlmann (1467) p. 195–; Europe.
1942. *Isotoma olivacea* Tahvonen (1949) p. 203–; Finland.
1943. *Isotoma olivacea* Agrell (47) p. 125; Sweden.
1944. *Isotoma olivacea* Hammer (969) p. 61; North America; Greenland; Iceland; Europe; Jan Mayen I.; Spitzbergen; Lapland; Finland; Switzerland.
1944. *Isotoma olivacea* Tuxen (2010) p. 181; Iceland.
1945. *Isotoma olivacea* Agrell (50) p. 11; Norway; Habitats.
1945. *Isotoma olivacea tigrina* Backlund (86) p. 40, fig. 3 a-d; Justification.
1947. *Isotoma olivacea* Stach (1886) p. 396, Pl. XLIII; Description, Synonymy, Poland; Lithuania; Germany; Moravia; Trieste; Slovakia; Hungary; Austria; Styria; Yugoslavia; Carniola; W. Ukraine.
1948. *Isotoma olivacea* Palmen (1546) p. 170; Ecology.
1949. *Isotoma olivacea* Gisin (872) p. 408; Description, historical.
1949. *Isotoma olivacea* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Isotoma olivacea* Strenzke (1922) p. 207; Germany, Ecology.
1950. *Isotoma olivacea* Wray (2216) p. 62; Utah.
1951. *Isotoma* (*Isotoma*) *olivacea* Maynard (1393) p. 117, Pl. 1–5, XII, 206–210; Description, New York.
1951. *Isotoma olivacea* Praport (1610) p. 141; Poland.
1951. *Isotoma olivacea* Schaller (1746) p. 492; Germany, Ecology.
1951. *Isotoma olivacea* Wilkey (2120) p. 79; Colorado.
1952. *Isotoma olivacea* Baudissin (152) p. 56; Ecology.
1952. *Isotoma olivacea* Hammer (971) p. 413; Soil, Greenland.
1952. *Isotoma olivacea* Scott (1796) p. 179; West U.S.A.
1953. *Isotoma olivacea* Hammer (972) p. 53; North Canada; Alaska.
1953. *Isotoma olivacea* Hammer (973) p. 9; Ellesmere I. (Canada).
1954. *Isotoma olivacea* Cassagnau (418) p. 624; France.
1954. *Isotoma olivacea* Yosii (2231) p. 802; Japan.
1955. *Isotoma olivacea* Stach (1893) p. 136, figs. 393–394; Holarctic, Cosmopolitan.
1955. *Isotoma* (*Isotoma*) *olivacea* Strenzke (1926) p. 44; Scandinavia; Holstein.
1956. *Isotoma olivacea* Bockemuhl (193) p. 141; Spitzbergen.
1956. *Isotoma olivacea* Cassagnau (424) p. 1; France.
1956. *Isotoma olivacea* Gisin (895) p. 12; Geneva.
1956. *Isotoma* (*Isotoma*) *olivacea* Wray and Knowlton (2214) p. 3; Idaho.
1957. *Isotoma olivacea* Bodvarsson (2252) p. 28; Iceland.
1957. *Isotoma olivacea* Haarlov (2281) p. 11; Denmark, habitat.
1957. *Isotoma olivacea* Kuhnelt (1224) p. 92; Ecology.
1958. *Isotoma olivacea* Cassagnau (2260) p. 3379; Histology.
1958. *Isotoma* (*Isotoma*) *olivacea* Grindbergs (2277) p. 197; Latvia.
1958. *Isotoma olivacea* Holler-Land (2283) p. 110; Ecology.
1958. *Isotoma olivacea* Mrohs (1463) p. 321–; Ecology.
1958. *Isotoma olivacea* von Torne (1993) p. 667; Austria.
1959. *Isotoma olivacea* Da Gama (2266) p. 22; Portugal.
1959. *Isotoma olivacea* Holler-Land (2284) p. 426; Ecology, Germany.
1959. *Isotoma olivacea* Paclt (2317) p. 340; Czechoslovakia.
1959. *Isotoma olivacea* Poole (1604) p. 72–; Food of Collembola.
1959. *Isotoma olivacea* Stach (1896) p. 34; Poland.
1960. *Isotoma olivacea* Bodvarsson (2412) p. 175; Färoes.
1960. *Isotoma olivacea* Gisin (2271) p. 210, figs. 44, 382; Europe.
1960. *Isotoma* (*Isotoma*) *olivacea* Grindbergs (2373) p. 44; U.S.S.R.

Isotoma tigrina violacea (Tullberg) 1871

1871. *Isotoma violacea* Tullberg (2002) p. 151; Sweden.
1941. *Isotoma olivacea violacea* Agrell (46) p. 20; Swedish Lapland.
1945. *Isotoma olivacea violacea* Agrell (50) p. 10; Sweden; Norway.
1948. *Isotoma violacea-olivacea* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Isotoma olivacea violacea* Strenzke (1922) p. 207; Germany; Ecology.

Isotoma tigrinella Wahlgren, 1906

1906. *Isotoma tigrinella* Wahlgren (2079) p. 14; Antarctic.
1912. *Isotoma tigrinella* Enderlein (725) p. 56; Falkland Is.

Isotoma tricolor Packard, 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Isotoma tricolor* Packard (1521) p. 34; Massachusetts.
1891. *Isotoma tricolor* MacGillivray (1341) p. 274; Massachusetts; Texas.

Isotoma tridentata MacGillivray, 1896

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Isotoma tridentata* MacGillivray (1345) p. 51; Virginia.
1937. *Isotoma tridentata* Folsom (806) p. 117, Pl. 39, figs. 451–454; Virginia; Redescription.
1943. *Isotomina tridentata* Strebel (1919) p. 119; Germany.
1958. *Isotoma tridentata* Holler-Land (2283) p. 110; Ecology.

Isotoma tridenticulata Schaeffer, 1897

1897. *Isotoma tridenticulata* Schaeffer (1735) p. 183, figs. 75, 76; Germany.
1901. *Isotoma tridenticulata* Krausbauer (1204) p. 69; Germany.
1912. *Isotoma tridenticulata* Dahl (496) p. 422; Ecology.

Isotoma tridentifera Schött, 1917

LECTOTYPE, PARATYPES: Sth. Aust. Mus., Adelaide.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Isotoma tridentifera* Schött (1774) p. 9, figs. 11–14; North Queensland.
1934. *Isotoma tridentifera* Womersley (2178) p. 100; Australia; Tasmania.
1939. *Isotoma (Isotoma) tridentifera* Womersley (2190) p. 158, fig. 55 A-C; Australia.

Isotoma tridentifera edenticulata Womersley, 1934

TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Isotoma tridentifera edenticulata* Womersley (2178) p. 101, T. fig. 4-h; Morphology, West Australia.
1939. *Isotoma tridentifera edenticulata* Womersley (2190) p. 159, fig. 55-D; Australia.

Isotoma tridentina Tarsia in Curia, 1941

1941. *Isotoma tridentina* Tarsia in Curia (1955) p. 259, figs. 1, 2; Italy.

Isotoma trispinata MacGillivray, 1896

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Isotoma trispinata* MacGillivray (1345) p. 51; Ohio.
1932. *Isotoma trispinata* Maynard (1391) p. 218; New York.
1934. *Isotoma trispinata* Mills (1417) p. 62; Iowa.
1937. *Isotoma trispinata* Folsom (806) p. 91, Pl. 29, figs. 331–336; U.S.A.
1938. *Isotoma trispinata* Brimley (275) p. 15; North Carolina.
1938. *Isotoma trispinata* Mills (1421) p. 15; North Carolina.
1941. *Isotoma trispinata* Tarsia in Curia (1955) p. 259; Italy.
1943. *Isotoma trispinata* Uchida (2020) p. 12; Japan and North America.
1944. *Isotoma trispinata* Tuxen (2010) p. 179; Iceland.
1946. *Isotoma trispinata* Pearse (1575) p. 139; Ecology.
1947. *Isotoma trispinata* Stach (1886) p. 358; U.S.A.
1950. *Isotoma trispinata* Wray (2216) p. 62; Utah.
1950. *Isotoma trispinata* Knowlton (1185) p. 96; Utah, in celery fields.
1951. *Isotoma trispinata* Maynard (1393) p. 113, Pl. I-8, Pl. XII-205; New York, U.S.A.
1954. *Isotoma trispinata* Uchida (2030) p. 4; Japan.
1955. *Isotoma trispinata* Uchida (2034) p. 200; Japan.
1955. *Isotoma trispinata* Yosii (2233) p. 386, fig. 4 A-G; Tokara Is.
1956. *Isotoma trispinata* Wray and Knowlton (2214) p. 3; Idaho.
1957. *Isotoma trispinata* Uchida (2042) p. 40; Japan.
1959. *Isotoma trispinata* Wilkey (2350) p. 223; California.

Isotoma troglodytica Rainbow, 1907

1907. *Isotoma troglodytica* Rainbow (1617) p. 313, figs. 49, 50; Australia.

Isotoma turicensis Haller, 1880

1880. *Isotoma turicensis* Haller (962) p. 6; Europe.

Isotoma turkestanica Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Isotoma turkestanica* Stach (1886) p. 355; Turkestan.
1960. *Isotoma (Isotoma) turkestanica* Grindbergs (2373) p. 43; U.S.S.R.

Isotoma unica MacGillivray, 1896

1896. *Isotoma unica* MacGillivray (1345) p. 50; Massachusetts.

Isotoma vaillanti Murphy, 1958

1958. *Isotoma vaillanti* Murphy (1476) p. 524, figs. 1–6; Algeria.
1960. *Isotoma vaillanti* Gisin (2271) p. 205; Algeria.

Isotoma vestita Brown, 1923

1923. *Isotoma vestita* Brown (303) p. 327, figs. 6–8; England.
1926. *Isotoma vestita* Brown (307) p. 334; England.
1933. *Isotoma vestita* Turk (2007) p. 94; Britain.
1940. *Isotoma vestita* Bagnall (121) p. 100; Britain.
1947. *Isotoma vestita* Stach (1886) p. 357; England.

Isotoma vicaria Arlé, 1959

1959. *Isotoma vicaria* Arlé (2250) p. 167, figs. 88–105; Brazil.

Isotoma violacea Tullberg, 1876

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1876. *Isotoma violacea* Tullberg (2004) p. 36.
1893. *Isotoma violacea* Schött (1765) p. 69, Pl. VI, figs. 14, 15; Sweden and Siberia.
1895. *Isotoma violacea* Reuter (1643) p. 27; Finland; Sweden; Lorraine; Siberia.
1895. *Isotoma violacea* Vogler (2064) p. 31–; Swarming on snow.
1896. *Isotoma violacea* Lie-Pettersen (1281) p. 17; Norway.
1896. *Isotoma violacea* Schäffer (1735) p. 187, fig. 86; Germany.

1897. *Isotoma violacea* Poppe and Schaeffer (1607) p. 268; Germany.
1898. *Isotoma violacea* Scherbakow (1750) p. 59; Kiev, Russia.
1898. *Isotoma violacea* Scherbakow (1751) p. 9; Kiev.
1900. *Isotoma violacea* Axelson (75) p. 118; Finland.
1900. *Isotoma violacea mucronata* Axelson (75) p. 105–; Finland.
1900. *Isotoma violacea* Schäffer (1738) p. 246; N.W. Siberia; North and Mid Europe.
1900. *Isotoma violacea* Schäffer (1739) p. 258; Germany.
1900. *Isotoma violacea* Skorikow (1833) p. 206; Spitzbergen.
1901. *Isotoma violacea* Börner (234) p. 57; Discussion, Central Europe.
1902. *Isotoma violacea* Becker (158) p. 28; Moscow.
1902. *Isotoma violacea* Schött (1772) p. 24, Pl. I, fig. 15; Boreal.
1902. *Isotoma violacea* Skorikow (1835) p. 100, figs. 15, 16; Spitzbergen.
1903. *Isotoma violacea* Ågren (55) p. 136; Sweden.
1904. *Isotoma mucronata* Ågren (56) p. 1; Lapland.
1904. *Isotoma violacea* Ågren (56) p. 15; Lapland.
1904. *Isotoma mucronata* Axelson (79) p. 65–; Norway.
1904. *Isotoma violacea* Axelson (79) p. 72; Norway.
1905. *Isotoma mucronata* Axelson (81) p. 33; Finland.
1905. *Isotoma violacea* Axelson (81) p. 33; Tvärminne, Finland.
1906. *Isotoma mucronata* Axelson (82) p. 15; Scandinavia.
1906. *Isotoma violacea* Axelson (82) p. 15; Russia.
1906. *Isotoma violacea* Wahlgren (2080) p. 257, fig. 20-h; Sweden.
1906. *Isotoma violacea mucronata* Wahlgren (2082) p. 224; Sweden.
1907. *Isotoma violacea* Axelson (83) p. 130; Finland.
1907. *Isotoma mucronata* Axelson (83) p. 130; Finland.
1907. *Isotoma violacea* Wahlgren (2082) p. 224; Lule lappmark; Torne lappmark; Norway.
1908. *Isotoma violacea* Schille (1755) p. 8; Galizien.
1909. *Isotoma mucronata* Axelson (84) p. 12; Kanin Peninsula.
1911. *Isotoma mucronata* Axelson (1291) p. 1–; Norway.
1911. *Isotoma violacea* Axelson (1291) p. 17; Norway.
1911. *Isotoma violacea* Shoebotham (1819) p. 34; England.
1912. *Isotoma violacea* Axelson (1292) p. 157, Pl. XII, figs. 13–23, Pl. XIII, figs. 2, 4; Diagnosis, Finland.
1916. *Isotoma violacea* Bartholin (149) pp. 169, 187; Denmark.
1919. *Isotoma violacea* Axelson (1293) p. 8; Arctic Ural.
1919. *Isotoma violacea* Folsom (790) p. 280, Pl. 23, figs. 53–60; Description, Greenland.
1919. *Isotoma violacea* Wahlgren (2089) p. 746; Sweden.
1921. *Isotoma violacea* Kreis (1207) p. 277; Systematics.
1922. *Isotoma violacea* Carpenter and Phillips (404) p. 18; Spitzbergen; North Siberia; Scandinavia; Finland; Germany; Great Britain.
1924. *Isotoma violacea mucronata* Handschin (981) p. 116; Switzerland.
1924. *Isotoma violacea* Schött (1776) p. 12; Novaya Zemlya.
1928. *Isotoma violacea* Handschin (1003) p. 128; East Prussia.
1928. *Isotoma violacea* Handschin (1005) p. 5; Algeria.
1928. *Isotoma violacea* Krausse (1206) p. 117; Ecology.
1928. *Isotoma violacea* Remy (1625) p. 64; Greenland.
1929. *Isotoma violacea* Handschin (1008) p. 69, figs. 122, 123; Palaearctic and Nearctic regions.
1931. *Isotoma violacea* Bonet (205) p. 382; Czechoslovakia.
1931. *Isotoma violacea* Brown (310) p. 137; Lapland.
1931. *Isotoma violacea* Denis (639) p. 217; Germany.
1931. *Isotoma violacea* Schött (1780) p. 70; Scandinavia.
1932. *Isotoma violacea* Stammer (1897) p. 610–; Ecology.
1933. *Isotoma violacea* Schubert (1787) p. 181; Ecology.
1934. *Isotoma violacea* Agrell (37) p. 226; Sweden, Ecology.
1934. *Isotoma violacea* Davies (522) p. 120; Wales.
1934. *Isotoma violacea* Davis (526) p. 100; Britain, Ecology.
1934. *Isotoma violacea* Durkop (707) p. 502; Germany.
1934. *Isotoma violacea* Volz (2069) p. 171–; Ecology.
1934. *Isotoma violacea* Womersley (2177) p. 469; Europe; Algeria.
1935. *Isotoma violacea* Ford (809) p. 198; Britain, Ecology.
1935. *Isotoma violacea* Pax and Maschke (1573) p. 25–; Europe.
1935. *Isotoma violacea* Schubert (1790) p. 94; Europe.
1935. *Isotoma violacea* Schubert (1791) pp. 106–, 203–, 230, 366–; Germany; Poland.
1936. *Isotoma violacea* Agrell (39) p. 8; Systematics.
1936. *Isotoma violacea* Davies (525) p. 88; Grimsey Is., North Iceland.
1936. *Isotoma violacea* Pax and Maschke (1574) p. 139–; Ecology.
1937. *Isotoma* (*Isotoma*) *violacea* Folsom (806) p. 101, Pl. 33, figs. 384–388; Description and Distribution, Canada; Greenland.
1937. *Isotoma violacea* Frenzel (828) p. 296; Ecology.
1937. *Isotoma violacea* Hammer (966) p. 10; East Greenland.
1937. *Isotoma violacea* Henriksen (1043) p. 3; Färoes, Distribution.
1937. *Isotoma violacea* Schubert (1792) p. 126; Palaearctic; Nearctic.
1938. *Isotoma violacea* Hammer (968) p. 25; East Greenland.
1938. *Isotoma violacea* Kseneman (1220) p. 15; Europe.
1938. *Isotoma violacea* Strebel (1917) p. 123; Germany; Ecology.
1939. *Isotoma violacea* Mills (1422) p. 159; North America.
1942. *Isotoma violacea* Marlier (1375) p. 9; Belgium.
1942. *Isotoma violacea* Tahvonen (1949) p. 204–; Finland.
1943. *Isotoma violacea* Gisin (853) p. 166; Switzerland.
1943. *Isotoma violacea* Tarsia in Curia (1956) p. 56, fig. 8; Italy, caves.
1944. *Isotoma violacea* Hammer (969) p. 61; North America; Greenland; Iceland; Bear I.; Spitzbergen; Lapland; Europe; Finland; Arctic Siberia.
1947. *Isotoma violacea* Stach (1886) p. 411, Pl. XLV; Description; Poland; Lithuania; West and Central Ukraine; Roumania; Germany; Styria.
1949. *Isotoma violacea* Schaller (1742) p. 268; Germany, Ecology.
1951. *Isotoma* (*Isotoma*) *violacea* Maynard (1393) p. 116; Description; New York; Canada; Greenland.
1951. *Isotoma violacea* Schaller (1746) p. 492; Germany, Ecology.

1952. *Isotoma violacea* Hammer (971) p. 413; Soil, Greenland.
1952. *Isotoma violacea* MacFadyen (1337) p. 110; England, fen.
1953. *Isotoma violacea* Hammer (972) p. 52; North Canada; Alaska.
1953. *Isotoma violacea* Hammer (973) p. 8; Ellesmere I., Canada.
1955. *Isotoma violacea* Stach (1893) p. 136, figs. 395, 396; Cosmopolite.
1955. *Isotoma (Isotoma) violacea* Strenzke (1926) p. 44; Sweden; Finland.
1957. *Isotoma violacea* Bodvarsson (2252) p. 28–; Iceland.
1956. *Isotoma violacea* Paclt (1540) p. 355–; Europe.
1956. *Isotoma violacea* Paclt (1541) pp. 24, 100, fig. 28; Biology.
1956. *Isotoma violacea* Stevanovic (1903) p. 4–; Yugoslavia.
1958. *Isotoma (Isotoma) violacea* Grindbergs (2277) p. 197; Latvia.
1958. *Isotoma violacea* Kholova (1169) p. 235; Bohemia.
1958. *Isotoma violacea* von Torne (1993) p. 667; Austria.
1959. *Isotoma violacea* Haybach (2375) Tab. VIII; Ecology.
1959. *Isotoma violacea* Holler-Land (2284) p. 432; Germany, Ecology.
1959. *Isotoma violacea* Paclt (2317) p. 340; Czechoslovakia.
1959. *Isotoma violacea* Stach (1896) p. 35; Poland.
1959. *Isotoma (Isotoma) violacea* Wilkey (2350) p. 223; California.
1960. *Isotoma violacea* Bodvarsson (2412) p. 174; Färoes.
1960. *Isotoma violacea* Gisin (2271) p. 211, fig. 384; Europe.
1960. *Isotoma (Isotoma) violacea* Grindbergs (2373) p. 45; U.S.S.R.

Isotoma violacea caeruleatra (Guthrie) 1903

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1903. *Isotoma caeruleatra* Guthrie (951) p. 70, Pl. IX, figs. 11–14; Minnesota.
1937. *Isotoma (Isotoma) violacea caeruleatra* Folsom (806) p. 104, Pl. 34, figs. 397–401, Pl. 35, figs. 402, 403; U.S.A.; Canada.
1947. *Isotoma violacea caeruleatra* Stach (1886) p. 417; Description; Systematics.

Isotoma violacea divergens Axelson, 1900

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1900. *Isotoma violacea divergens* Axelson (75) p. 118; Finland.
1906. *Isotoma violacea divergens* Axelson (82) p. 15; Russia.
1907. *Isotoma violacea divergens* Axelson (83) p. 130; Finland.
1907. *Isotoma violacea divergens* Axelson (84) p. 13; North Finland.
1912. *Isotoma violacea divergens* Axelson (1292) p. 158, Pl. XII, 18, 19; Finland.
1933. *Isotoma violacea devergens* Schubert (1787) p. 207; Ecology.
1934. *Isotoma violacaea divergens* Durkop (707) p. 502; Palaearctic and Nearctic.
1947. *Isotoma violacea divergens* Stach (1886) p. 417; Poland; W. Ukraine; Styria.
1958. *Isotoma (Isotoma) violacea divergens* Grindbergs (2277) p. 197; Latvia.
1960. *Isotoma (Isotoma) violacea divergens* Grindbergs (2373) p. 45; U.S.S.R.

Isotoma violacea italica Denis, 1937

1937. *Isotoma violacea italica* Denis (665) p. 126; Italy.

Isotoma violacea mucronata Axelson, 1900

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
COTYPE: Brit. Mus. Nat. Hist., London.
1900. *Isotoma violacea mucronata* Axelson (75) p. 118; Finland.
1904. *Isotoma mucronata* Ågren (56) p. 15; Lapland.
1904. *Isotoma mucronata* Axelson (79) p. 72; Norway.
1905. *Isotoma mucronata* Axelson (81) p. 33; Finland.
1906. *Isotoma mucronata* Axelson (82) p. 15; Russia.
1906. *Isotoma violacea mucronata* Wahlgren (2080) p. 257; Sweden.
1907. *Isotoma mucronata* Axelson (83) p. 30; Scandinavia; Russia.
1909. *Isotoma mucronata* Axelson (84) p. 12; Kanin Peninsula, Russia.
1911. *Isotoma mucronata* Axelson (1291) p. 17; Norway.
1912. *Isotoma violacea mucronata* Axelson (1292) p. 158, Pl. XII, 20–23, Pl. XIII, fig. 2; Finland.
1919. *Isotoma violacea mucronata* Folsom (790) p. 281; Greenland.
1923. *Isotoma violacea mucronata* McAtee (1336) p. 139; North America; St George Is.; Food of Collembola.
1924. *Isotoma violacea mucronata* Handschin (981) p. 116; Switzerland.
1924. *Isotoma violacea mucronata* Handschin (983) p. 85; Switzerland.
1926. *Isotoma violacea mucronata* Stirnimann (1907) p. 252; Ecology.
1928. *Isotoma violacea mucronata* Remy (1625) p. 64; Greenland.
1934. *Isotoma violacea mucronata* Davies (522) p. 121; Wales.
1934. *Isotoma violacea mucronata* Durkop (707) p. 502; Scandinavia.
1935. *Isotoma violacea mucronata* Schubert (1791) pp. 227–, 369–; Germany.
1936. *Isotoma violacea mucronata* Agrell (39) pp. 8, 10, fig. 3-a; Scandinavia.
1937. *Isotoma (Isotoma) violacea mucronata* Folsom (806) p. 103, Pl. 33, fig. 389, Pl. 34, figs. 390–396; Alaska; Greenland.
1938. *Isotoma violacea mucronata* Kseneman (1219) p. 110; Spieglizter snow mountains.
1938. *Isotoma violacea mucronata* Kseneman (1220) p. 15; Europe.
1939. *Isotoma violacea mucronata* Mills (1422) p. 159; Pribilof Is.
1947. *Isotoma violacea mucronata* Stach (1886) p. 416; Poland; Ukraine.
1953. *Isotoma violacea mucronata* Hammer (973) p. 8; Ellesmere I., Canada.
1958. *Isotoma (Isotoma) violacea mucronata* Grindbergs (2277) p. 197; Latvia.
1960. *Isotoma (Isotoma) violacea mucronata* Grindbergs (2373) p. 45; U.S.S.R.

*Isotoma viridis Bourlet, 1839

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1746. *Podura viatica* Linné (1299) pp. 342–344; Europe.
1761. *Podura viatica* Linné (1301); Europe.
1762. *Podura atra viatica* Geoffroy (837) p. 610; Paris.
1776. *Podura plumbea* Müller (1470) p. 183; Greenland.
1776. *Podura viridis** Müller (1470) p. 183; Denmark.
1788. *Podura viridis* Gmelin (910) p. 2910; Europe.
1803. *Podura viridis* Latreille (1243) p. 574; Europe.
1815. *Podura viridis* Leach (1254) p. 77; Europe.
1835. *Podura viatica* Boisduval and Lacordaire (196); Paris.
1835. *Podura fuliginosa* Templeton (1057) p. 95; Ireland.
1839. *Isotoma arborea* Bourlet (259) p. 401; France.
1839. *Isotoma coerulea* Bourlet (259) p. 401; Europe.
1839. *Isotoma viridis* Bourlet (259) p. 401, fig. 4; Europe.
1840. *Podura plumbea* Fabricius (751) p. 211.
1840. *Podura viatica* Lucas (1326) p. 564; Europe.
1841. *Podura viridis* Bourlet (261) p. 114, fig. 9; Europe.
1842. *Podura viatica* Erichson (730) p. 312; Europe.
1842. *Desoria annulata* Nicolet (1493) p. 62, Pl. VI, fig. 5; Europe; Systematics.
1842. *Desoria cylindrica* Nicolet (1493) p. 60, Pl. 6, fig. 1.
1842. *Desoria ebriosa* Nicolet (1493) p. 61, Pl. VI, fig. 4; Switzerland.
1842. *Desoria fusca* Nicolet (1493) p. 63, Pl. VI, fig. 7; Switzerland.
1842. *Desoria pallida* Nicolet (1493) p. 61, Pl. 6, fig. 3; Europe.
1842. *Desoria riparia* Nicolet (1493) p. 62, Pl. 6, fig. 6; Systematics.
1842. *Desoria viatica* Nicolet (1493) p. 61, Pl. 6, fig. 2; Europe.
1842. *Desoria virescens* Nicolet (1493) p. 59, Pl. 5, fig. 12; Europe.
1843. *Podura annulata* Bourlet (265) p. 29.
1843. *Podura arborea* Bourlet (265) p. 24; France.
1843. *Podura viridis* Bourlet (265) p. 24; Europe.
1844. *Desoria annulata* Gervais (841) p. 430; Description.
1844. *Desoria cylindrica* Gervais (841) p. 429; Europe.
1844. *Desoria ebriosa* Gervais (841) p. 430; Europe.
1844. *Desoria fusca* Gervais (841) p. 431; Switzerland.
1844. *Desoria pallida* Gervais (841) p. 430; Europe.
1844. *Desoria viatica* Gervais (841) p. 429; Europe.
1844. *Desoria virescens* Gervais (841) p. 428; Switzerland.
1844. *Heterotoma chlorata* Gervais (841) p. 421, Pl. 50, fig. 6.
1844. *Isotoma coerulea* Gervais (841) p. 433; France.
1844. *Isotoma desmarestii* Gervais (841) p. 436, Pl. 50, fig. 11; France.
1844. *Isotoma nicoleti*† Gervais (841) p. 436, Pl. 50, fig. 12; Paris.
1844. *Isotoma viridis* Gervais (841) p. 433; Description, France.
1844. *Desoria annulata* Lucas (1327) p. 292; Reference only.
1844. *Desoria ebriosa* Lucas (1327) p. 292; Reference only.
1844. *Desoria fusca* Lucas (1327) p. 293; Reference only.
1844. *Desoria pallida* Lucas (1327) p. 292; Reference only.
1844. *Desoria virescens* Lucas (1327) p. 292; Reference only.
1844. *Podura coerulea* Lucas (1327) p. 291; Reference only.
1844. *Podura viridis* Lucas (1327) p. 290; Reference only.
1845. *Desoria viatica* Bourlet (266) p. 67; Europe.
1845. *Desoria virescens* Bourlet (266) p. 67; Europe.
1847. *Heterotoma chlorata* Nicolet (1496) p. 374; France.
1847. *Isotoma annulata* Nicolet (1496) p. 373; Europe.
1847. *Isotoma coerulea* Nicolet (1496) p. 374; France.
1847. *Isotoma cylindrica* Nicolet (1496) p. 372; France and Switzerland.
1847. *Isotoma ebriosa* Nicolet (1496) p. 373; Europe.
1847. *Isotoma fusca* Nicolet (1496) p. 373; Europe.
1847. *Isotoma nicoleti* Nicolet (1496) p. 374; Paris.
1847. *Isotoma pallida* Nicolet (1496) p. 373; Switzerland.
1847. *Isotoma viatica* Nicolet (1496) p. 373; Europe.
1847. *Isotoma virescens* Nicolet (1496) p. 372; Switzerland.
1847. *Isotoma viridis* Nicolet (1496) p. 373; Europe.
1862. *Isotoma anglicana* Lubbock (1315) p. 596, Pl. LIX, fig. 8; England.
1862. *Isotoma lineata* Lubbock (1315) p. 597, Pl. LIX, fig. 9; England.
1871. *Isotoma palustris* Tullberg (2002) p. 143–; Sweden.
1871. *Isotoma palustris annulata* Tullberg (2002) p. 151; Sweden.
1871. *Isotoma palustris unicolor* Tullberg (2002) p. 151; *ad partem;* Sweden.
1872. *Isotoma palustris* Tullberg (2003) p. 46; Sweden.
1872. *Isotoma palustris fusca* Tullberg (2003) p. 46, Pl. 9, figs. 1–8; Sweden.
1872. *Isotoma palustris viridis* Tullberg (2003) p. 46, Pl. 9, figs. 1–8; Sweden; Spitzbergen; Bear I.; Synonymy.
1873. *Isotoma anglicana* Lubbock (1318) p. 171; Siberia.
1873. *Isotoma annulata* Lubbock (1318) p. 175; Redescription.
1873. *Isotoma aquatilis* Lubbock (1318) p. 170, Pl. XXXVII; Sweden; Switzerland; France; England.
1873. *Isotoma fusca* Lubbock (1318) p. 175; Europe.
1873. *Isotoma viatica* Lubbock (1318) p. 168, Pl. XXXVI; Europe.
1873. *Isotoma viridis* Lubbock (1318) p. 169; Synonymy; Europe.
1873. *Isotoma belfragei* Packard (1521) p. 33; Massachusetts.
1873. *Isotoma plumbea* Packard (1521) p. 35; Massachusetts.

* This species must be referred to Bourlet following the decision of the International Commission for Zoological Nomenclature placing *Isotoma viridis* Bourlet on the Official List of Specific Names in Zoology. 1954 (1100) p. 102. The species recorded bv Müller under the name *Podura viridis* which, according to Lubbock, 1873 (1318) p. 169, is a synonym of *I. viridis,* is rejected as indeterminable.

† Gervais illustrates *Isotoma nicoleti* but gives no written description that would help to determine accurately the species. From the coloured figure I would suspect the species *nicoleti* to be a varietal form of *Isotoma viridis* and have accordingly listed it as a synonym of this species.

1873. *Isotoma pupurascens* Packard (1521) p. 34; Massachusetts.
1873. *Isotoma tricolor* Packard (1521) p. 34; *ad partem;* Massachusetts.
1876. *Isotoma palustris* Tullberg (2004) p. 34; Boreal.
1878. *Isotoma viridis* Parona (1557) p. 600; Italy.
1879. *Isotoma viridis* Parona (1557) p. 600; Italy.
1882. *Isotoma fusca* Tomosvary (1983) p. 124; Hungary.
1883. *Isotoma annulata* Parona (1558) p. 443; Italy.
1883. *Isotoma arborea* Parona (1558) p. 462; Italy.
1883. *Isotoma fusca* Parona (1558) p. 463; Italy.
1883. *Isotoma viridis* Parona (1558) p. 463; Italy.
1888. *Isotoma arborea* Parona (1563) p. 143; Italy.
1888. *Isotoma fusca* Parona (1563) p. 143; Italy.
1888. *Isotoma viatica* Parona (1563) p. 143; Italy.
1891. *Isotoma belfragei* MacGillivray (1341) p. 273; North America.
1891. *Isotoma plumbea* MacGillivray (1341) p. 274; North America.
1891. *Isotoma purpurascens* MacGillivray (1341) p. 274; North America.
1891. *Isotoma tricolor* MacGillivray (1341) p. 274; North America.
1891. *Isotoma viatica* Parfitt (1550) p. 341; England.
1891. *Isotoma viridis* Reuter (1641) p. 229; Siberia.
1891. *Isotoma viridis* Schött (1762) p. 22; California.
1891. *Isotoma palustris fusca* Uzel (2050) p. 63; Bohemia.
1891. *Isotoma palustris viridis* Uzel (2050) p. 63; Bohemia.
1891. *Isotoma palustris viridis* Uzel (2051) p. 920; Helgoland.
1893. *Isotoma viridis* Schött (1765) p. 59, Pl. V, figs. 1–5, Pl. VI, figs. 1–2; Siberia.
1895. *Isotoma viridis* Dalla Torre (498) p. 10; Systematics.
1895. *Isotoma viridis* Reuter (1643) p. 25; Finland; Europe; Siberia; North America; California.
1896. *Isotoma viridis* Lie-Pettersen (1281) p. 17; Norway.
1896. *Isotoma capitola* MacGillivray (1345) p. 56; America.
1896. *Isotoma glauca* MacGillivray (1345) p. 57; America.
1896. *Isotoma viridis* MacGillivray (1345) p. 58; Massachusetts; Texas; New York; California; Europe.
1896. *Isotoma viridis* Meinert (1399) p. 169; Greenland; North and Middle Europe; North America.
1897. *Isotoma viridis* Heymons (1055) p. 117; Anatomy.
1897. *Isotoma viridis* Poppe and Schaeffer (1607) p. 268; Germany.
1897. *Isotoma viridis* Schäffer (1735) p. 184, Pl. 3, fig. 80; Discussion; Germany.
1898. *Isotoma viridis* Lie-Pettersen (1282) p. 12; Norway.
1898. *Isotoma viridis* Scherbakow (1750) p. 58; Kiev, Russia.
1898. *Isotoma viridis* Scherbakow (1751) p. 7; Kiev.
1899. *Isotoma viridis* Carl (351) p. 1; France; Switzerland.
1899. *Isotoma viridis* Carl (352) p. 311; Switzerland.
1899. *Isotoma viridis* Carpenter and Evans (402) p. 246, Pl. VII, fig. 17; Scotland.
1899. *Isotoma viridis* Scherbakow (1754) p. 47; Spitzbergen.
1899. *Isotoma viridis* Wahlgren (2073) p. 186; Sweden.
1899. *Isotoma viridis* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Isotoma viridis* Kieffer (1170) p. 113; Europe.
1900. *Isotoma viridis* Lecaillon (1258) p. 70; France.
1900. *Isotoma viridis* Schäffer (1738) p. 245; N.W. Siberia; N.E. Siberia; Greenland; Spitzbergen; Jan Mayen I.; Bear I.
1900. *Isotoma viridis* Schäffer (1739) p. 256; Germany.
1900. *Isotoma viridis* Skorikow (1833) p. 204; Spitzbergen.
1900. *Isotoma palustris* Uzel (2052) p. 1–; Evolution.
1900. *Isotoma viridis* Vellay (2056) p. 20; Hungary.
1900. *Isotoma viridis* Wahlgren (2076) p. 4; Description; Bear Island.
1900. *Isotoma viridis* Wahlgren (2077) p. 354; Jan Mayen I.; Greenland.
1900. *Isotoma viridis* Wahlgren (2077) p. 374; Bear I.; Spitzbergen; Novaya Zemlya.
1900. *Isotoma viridis* Willem (2123) p. 39, Pl. VIII, figs. 1, 2; Systematics.
1901. *Isotoma viridis* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma viridis* Absolon (12) p. 107; Systematics.
1901. *Isotoma viridis* Börner (234) p. 46; Discussion; Central Europe.
1901. *Isotoma viridis* Boyd (268) p. 317; Scotland.
1901. *Isotoma viridis* Carl (354) p. 261; Switzerland.
1901. *Isotoma viridis* Evans (739) p. 156; Scotland.
1901. *Isotoma viridis* Evans (740) p. 153; Scotland.
1901. *Isotoma viridis* Krausbauer (1204) p. 66; Germany.
1902. *Isotoma viridis* Becker (158) p. 26; Russia.
1902. *Isotoma viridis* Folsom (781) p. 93, Pl. IV, fig. 4; Alaska; Systematics; Definitive Synonymy.
1902. *Isotoma viridis* Schött (1772) p. 22; Scandinavia.
1902. *Isotoma viridis* Skorikow (1835) p. 98; Spitzbergen.
1902. *Isotoma viridis* Voigts (2067) p. 523; Germany.
1903. *Isotoma viridis* Ågren (55) p. 134; Discussion, Sweden.
1903. *Isotoma viridis* Axelson (77) p. 5; Finland.
1903. *Isotoma viridis* Börner (239) p. 171; Systematics.
1903. *Isotoma viridis* Diem (688) p. 357; Ecology.
1903. *Isotoma viridis* Guthrie (951) p. 68, Pl. IX, figs. 5–7; Minnesota.
1904. *Isotoma viridis* Ågren (56) p. 17; Lapland.
1904. *Isotoma viridis* Axelson (78) p. 5; Siberia.
1904. *Isotoma viridis* Axelson (79) p. 71; Norway.
1905. *Isotoma viridis* Axelson (81) p. 34; Tvärminne, Finland.
1905. *Isotoma viridis* Axelson (82) p. 14; Russia.
1905. *Isotoma viridis* Philiptschenko (1586) p. 3; Bologoi Province, Russia.
1906. *Isotoma viridis* Börner (243) p. 171; Systematics.
1906. *Isotoma viridis* Folsom and Welles (808) p. 101–; Physiology etc.
1906. *Isotoma viridis* Lie-Pettersen (1284) p. 63; Norway.
1906. *Isotoma viridis* Wahlgren (2082) p. 223; Lule lappmark; Torne lappmark; Norway.
1907. *Isotoma viridis* Axelson (83) p. 130; Finland.
1907. *Isotoma viridis* Axelson (84) p. 10; Kanin Peninsula.
1907. *Isotoma viridis* Carpenter (378) p. 54; Lambay Island, Ireland.
1907. *Isotoma viridis* Latzel (1248) p. 151; Austria.
1907. *Isotoma viridis* Wahlgren (2080) p. 255, fig. 20 a-e, 21; Sweden.
1907. *Isotoma viridis* (2083) p. 5; Arctic Distribution; Norway.
1907. *Isotoma viridis* Wahlgren (2084) p. 87; Physiology.
1909. *Isotoma viridis* Nielsen (1498) p. 408; Greenland.
1908. *Isotoma viridis* Schille (1755) p. 8; Poland.
1909. *Isotoma viridis* Shoebotham (1818) p. 58; Gen. Economics.
1909. *Isotoma viridis* Wahlgren (2087) p. 180; Iceland.

1910. *Isotoma viridis* Carpenter (385) p. 185; Torg Island.
1910. *Isotoma viridis* Collinge (464) p. 9; England.
1910. *Isotoma viridis* Collinge and Shoebotham (472) p. 106; England.
1911. *Isotoma viridis* Axelson (1291) p. 18; Norway.
1912. *Isotoma viridis* Axelson (1292) p. 162, Pl. XIII, 14; Finland.
1912. *Isotoma viridis* Dahl (496) p. 422; Ecology.
1912. *Isotoma viridis* Schille (1756) p. 8; Galizien.
1912. *Isotoma viridis* Schille (2394) p. 127; Poland.
1913. *Isotoma viridis* Carpenter (388) p. 7; Clare Island, Ireland.
1914. *Isotoma aspera* Bacon (94) p. 137; California.
1914. *Isotoma viridis* Bacon (94) p. 150; California.
1914. *Isotoma viridis* Shoebotham (1820) p. 61; Ireland.
1916. *Isotoma viridis* Bartholin (149) p. 169; Denmark.
1916. *Isotoma viridis* Carr (407) p. 64; England.
1917. *Isotoma viridis* Cameron (346) p. 50; Cheshire soils.
1917. *Isotoma viridis* Shoebotham (1823) p. 221; England.
1918. *Isotoma viridis* Brown (296) p. 186; England.
1919. *Isotoma viridis* Axelson (1293) p. 8; Arctic Urals.
1919. *Isotoma viridis* Folsom (791) p. 9, Pl. 6, figs. 48–52; Description, Arctic.
1918. *Isotoma viridis* Henriksen and Lundbeck (1044) p. 737; Greenland.
1919. *Isotoma viridis* McNamara (1360) p. 244; Remarks.
1919. *Isotoma viridis* Wahlgren (2089) p. 747; Sweden.
1920. *Isotoma viridis* Morris (1454) p. 147; Ecology, England.
1920. *Isotoma viridis* Stach (1859) p. 162; Morphology; Poland; Europe; North America; Siberia; Arctic lands and islands.
1920. *Isotoma viridis* Wahlgren (2090) p. 6; Europe.
1921. *Isotoma viridis* Brown (301) p. 143; Isle of Wight.
1921. *Isotoma viridis* Denis (607) p. 125; France.
1921. *Isotoma viridis* Kreis (1207) p. 276; Systematics and Biology.
1922. *Isotoma viridis* Bristowe (278) p. 42; Jan Mayen I.
1922. *Isotoma viridis* Carpenter and Phillips (404) p. 18; Spitzbergen; Bear Is.; Novaya Zemlya; Jan Mayen I.; Greenland; North Siberia; Scandinavia; Finland; Germany; Switzerland; Great Britain; Ireland; North America.
1922. *Isotoma viridis* Denis (609) p. 111; Ile de Yeu, France.
1922. *Isotoma viridis* Latzel (1250) p. 59; Austria.
1922. *Isotoma viridis* Morris (1456) p. 288; Ecology.
1922. *Isotoma viridis* Stach (1860) p. 22; Hungary.
1923. *Isotoma viridis* McAtee (1336) p. 139; North America; St George I.; St Paul I.
1923. *Isotoma viridis* Schött (1776) p. 12; Novaya Zemlya.
1923. *Isotoma viridis* Stach (1863) p. 9; Germany.
1923. *Isotoma viridis* Womersley (2147) p. 32; S.W. England.
1924. *Isotoma viridis* Denis (614) p. 291; France.
1924. *Isotoma viridis* Denis (616) p. 230; Spitzbergen.
1924. *Isotoma viridis* Handschin (981) p. 116; Switzerland.
1924. *Isotoma viridis* Handschin (983) p. 74; Ecology.
1924. *Isotoma viridis* Schött (1776) p. 12; Novaya Zemlya.
1924. *Isotoma viatica* Thompson (1970) p. 361; Ecology.
1924. *Isotoma viridis* Thompson (1970) p. 361; Ecology.
1924. *Isotoma viridis* Womersley (2147) p. 32; S.W. England.
1924. *Isotoma viridis* Womersley (2148) p. 169; S.W. England.
1925. *Isotoma viridis* Handschin (986) p. 232; Germany.
1925. *Isotoma viridis* Harnisch (1020) p. 69; Ecology.
1926. *Isotoma viridis* Brown (305) p. 205; Mesopotamia.
1926. *Isotoma viridis* Handschin (988) p. 42; Biology.
1926. *Isotoma viridis* Szidat (1948) p. 14–; Ecology.
1927. *Isotoma viridis* Carpenter (396) p. 199; Spitzbergen.
1927. *Isotoma viridis* Handschin (999) p. 298; Westfalian peat-bogs.
1927. *Isotoma viridis* Womersley (2154) p. 376; S.W. England.
1927. *Isotoma viridis* Womersley (2155) p. 39; Savernake Forest.
1928. *Isotoma viridis* Handschin (1002) p. 542; Mexico.
1928. *Isotoma viridis* Handschin (1003) p. 128; East Prussia.
1928. *Isotoma viridis* Handschin (1005) p. 5; Algeria.
1928. *Isotoma viridis* Jackson (1121) p. 302; England.
1928. *Isotoma viridis* Krausse (1206) p. 118; Ecology.
1928. *Isotoma viridis* Remy (1625) p. 64; Greenland.
1928. *Isotoma viridis* Summerhayes and Elton (1939) p. 208–; Spitzbergen.
1928. *Isotoma viridis* Womersley (2159) p. 62; Lundy Island, Devonshire.
1929. *Isotoma viridis* Buitendijk (333) p. 19; Europe.
1929. *Isotoma viridis* Davies (518) p. 80; Physiology.
1929. *Isotoma viridis* Edwards (718) p. 310–; Ecology.
1929. *Isotoma viridis* Handschin (1008) p. 67, figs. 119, 120; Synonymy; Palaearctic and Nearctic.
1929. *Isotoma viridis* Kel'shtein (1160) p. 247; Russia.
1929. *Isotoma viridis* Stach (1871) p. 272; Germany.
1930. *Isotoma viridis* Buitendijk (334) p. 59; Europe.
1930. *Isotoma viridis* Stach (1869) p. 290; Europe.
1930. *Isotoma viridis* Womersley (2164) p. 166; Lake District, England.
1930. *Isotoma viridis* Womersley (2168) p. 181; Ireland.
1931. *Isotoma viridis* Bonet (205) p. 381; Czechoslovakia, in caves.
1931. *Isotoma viridis* Brown (310) p. 136; Lapland.
1931. *Isotoma viridis* Denis (639) p. 217; Germany, List of references.
1931. *Isotoma viridis* Lindroth (1286) p. 130; Iceland.
1931. *Isotoma viridis* Schött (1780) p. 70; Scandinavia.
1932. *Isotoma viridis* Brown (312) p. 333; Nth. Canada.
1932. *Isotoma viridis* Krogerus (1210) p. 93; Finland.
1933. *Isotoma viridis* Denis (644) p. 211; Yugoslavia.
1933. *Isotoma viridis* James (1124) p. 94; Toronto region.
1933. *Isotoma viridis* Mills and Rolfs (1431) p. 80; Washington.
1933. *Isotoma viridis* Schubert (1787) p. 181; Ecology.
1934. *Isotoma viridis* Agrell (37) p. 225; Ecology, Sweden.
1934. *Isotoma viridis* Davies (522) p. 120; Wales.
1934. *Isotoma viridis* Durkop (707) p. 500, fig. 2; Europe.
1934. *Isotoma viridis* Jorgensen (1145) p. 7–; Greenland.
1934. *Isotoma viridis* Lack (1229) p. 603; Greenland.
1934. *Isotoma viridis* Mills (1417) p. 63; Iowa.
1934. *Isotoma viridis* Perrier (1576) p. 36; France.
1934. *Isotoma viridis* Schubert (1788) p. 528; in a marsh.
1934. *Isotoma viridis* Womersley (2177) p. 467; Europe; Algeria.
1935. *Isotoma viridis* Axelson (1295) p. 140; Spitzbergen.

1935. *Isotoma viridis* Axelson (1296) p. 381; Spitzbergen.
1935. *Isotoma viridis* Denis (652) p. 330; Yugoslavia.
1935. *Isotoma viridis* Schubert (1790) p. 94; Europe.
1935. *Isotoma viridis* Schubert (1791) pp. 104–, 230, 365–; Germany; Poland; Czechoslovakia.
1935. *Isotoma viridis* Volz (2070) p. 143; Microscope techniques.
1936. *Isotoma viridis* Axelson (1297) p. 22; N.E. Greenland.
1936. *Isotoma viridis* Bornebusch (226) p. 39; Denmark.
1936. *Isotoma viridis* Brown (313) p. 64; West Spitzbergen.
1936. *Isotoma viridis* Brown (314) p. 614; Lapland.
1936. *Isotoma viridis* Davies (525) p. 88; Grimsey I.
1936. *Isotoma viridis* Madsen (1367) p. 56–; Greenland.
1937. *Isotoma viridis* Brown (316) p. 518; Iceland.
1937. *Isotoma viridis* Drenowski (695) p. 2; Bulgaria.
1937. *Isotoma viridis* Folsom (806) p. 110, Pl. 37, figs. 428–433, Pl. 38, figs. 437–441; Description and Distribution, U.S.A.; Alaska; Canada.
1937. *Isotoma viridis* Frenzel (828) p. 296; Ecology.
1937. *Isotoma viridis* Hammer (966) p. 10; East Greenland.
1937. *Isotoma viridis* Henriksen (1043) p. 4; Distribution; Färoes.
1937. *Isotoma viridis* Schubert (1792) p. 126; Palaearctic; Nearctic.
1937. *Isotoma viridis* Scott (1795) p. 131; California.
1938. *Isotoma viridis* Hammer (968) p. 24; East Greenland.
1938. *Isotoma viridis* James (1125) p. 153; Baffin I.
1938. *Isotoma viridis* Kseneman (1220) p. 15; Palaearctic; Nearctic.
1938. *Isotoma viridis* Strebel (1917) p. 115; Germany, Ecology.
1939. *Isotoma virids* Bueker (332) p. 21, figs. 36–38; St Louis, U.S.A.
1939. *Isotoma viridis* Mills (1422) p. 159; Nth. America.
1939. *Isotoma viridis* Yosii (2225) p. 187, fig. 2; Japan.
1941. *Isotoma viridis* Agrell (46) p. 20; Swedish Lapland.
1941. *Isotoma viridis* Buitendijk (336) p. 45, fig. 12; Netherlands; Palaearctic; Nearctic.
1941. *Isotoma viridis* Tarsia in Curia (1955) p. 258; Trentino, Italy.
1942. *Isotoma viridis* Brimley (276) p. 4; North Carolina.
1942. *Isotoma viridis* Caspers (408) p. 150; Helgoland Is.
1942. *Isotoma viridis* Essig (733) p. 82; Europe; North America.
1942. *Isotoma viridis* Handschin (1012) p. 405; Mesopotamia.
1942. *Isotoma viridis* Marlier (1375) p. 9; Belgium.
1942. *Isotoma viridis* Mills (1423) p. 4; North Carolina.
1942. *Isotoma viridis* Scott (1796) p. 179; West U.S.A.
1942. *Isotoma viridis* Tahvonen (1949) p. 204–; Finland.
1943. *Isotoma viridis* Agrell (47) p. 125; Sweden.
1943. *Isotoma viridis* Carpenter (401) p. 122; Lundy I., Britain.
1943. *Isotoma viridis* Gisin (853) p. 165; Switzerland.
1943. *Isotoma viridis* Tarsia in Curia (1956) p. 53; Italy, caves.
1943. *Isotoma viridis* Uchida (2020) p. 13; Japan; Europe; North Siberia; Novaya Zemlya; Spitzbergen; Bear I.; Jan Mayen I.; Mexico; Iceland; Greenland; Alaska; Mesopotamia; North America.
1944. *Isotoma viridis* Hammer (969) p. 61; North America; Greenland; Iceland; Jan Mayen I.; Spitzbergen; Franz Josef Land; Lapland; Novaya Zemlya; Arctic Siberia; Finland; Europe.
1944. *Isotoma viridis* Tuxen (2010) p. 143; Iceland.
1945. *Isotoma viridis* Agrell (50) pp. 10, 11; Sweden; Norway; Finland; Habitats.
1946. *Isotoma viridis* Pearse (1575) p. 139; Ecology.
1947. *Isotoma viridis* Stach (1886) p. 422, Pl. XLVI, figs. 6–14; Poland; Lithuania; Moravia; Asia Minor; France; Croatia; Malta; Bielo Russia; West and Central Ukraine; Caucasus; North and South Russia; Slovakia; Hungary; Germany; Austria; Styria; Bulgaria.
1948. *Isotoma viridis* Palmen (1546) p. 175; Exology.
1948. *Isotoma viridis* Salt *et al.* (1724).
1948. *Isotoma viridis* Spencer (1851) p. 22; Canada.
1948. *Isotoma viridis* Weis-Fogh (2109) Tab. 8; Denmark.
1949. *Isotoma viridis* Caspers (409) p. 43; Ecology.
1949. *Isotoma viridis* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Isotoma viridis* Schaller (1742) p. 287; Germany, Ecology.
1949. *Isotoma viridis* Strenzke (1922) p. 207; Germany, Ecology.
1950. *Isotoma viridis* Delamare Deboutteville (570) pp. 45–143; France.
1950. *Isotoma viridis* Gisin (876) p. 94; Italy, caves.
1950. *Isotoma viridis* Kinoshita and Uchida (1179) p. 14 and fig.; Japan.
1950. *Isotoma viridis* Wray (2216) p. 62; Utah.
1951. *Isotoma viridis* Engelhardt (729) p. 48; Ecology.
1951. *Isotoma viridis* Gisin (877) p. 85; Switzerland.
1951. *Isotoma viridis* Gisin (878) p. 56; Nomenclature.
1951. *Isotoma* (*Isotoma*) *viridis* Maynard (1393) p. 110, Pl. I, 4, Pl. XII, 200, 201; Description, New York.
1951. *Isotoma viridis* Praport (1610) p. 141; Poland.
1951. *Isotoma viridis* Schaller (1746) p. 465; Germany, Ecology.
1951. *Isotoma viridis* Stach (1889) p. 86, fig. 47; Poland.
1951. *Isotoma viridis* Wilkey (2120) p. 79; Colorado.
1952. *Isotoma viridis* Baudissin (152) p. 56; Ecology.
1952. *Isotoma viridis* Hammer (971) p. 413; Soil, Greenland.
1953. *Isotoma viridis* Hammer (973) p. 8; Ellesmere I., Canada.
1953. *Isotoma viridis* Hammer (972) p. 52; North Canada; Alaska.
1953. *Isotoma viridis* Gisin (885) p. 233; Jan Mayen I.
1954. *Isotoma viridis* Cassagnau (418) p. 624; France.
1954. *Isotoma viridis* Hammer (974) p. 14; Nth. Greenland.
1954. *Isotoma* (*Isotoma*) *viridis* Int. Comm. (1100) p. 106; Proposed official specific name.
1954. *Isotoma viridis* Macfadyen (1339) p. 291; Jan Mayen I.
1954. *Isotoma* (*Isotoma*) *viridis* Strenzke (1925) p. 56; Germany.
1954. *Isotoma viridis* Yosii (2231) p. 801; Japan.
1955. *Isotoma viridis* Cassagnau and Delamare Deboutteville (428) p. 383; Lebanon.
1955. *Isotoma viridis* Chopard (434) p. 20, Pl. I, fig. 12.
1955. *Isotoma* (*Isotoma*) *viridis* Goto (918) p. 31; British Isles.
1955. *Isotoma* (*Isotoma*) *viridis* Goto (921) p. 268; Britain.
1955. *Isotoma viridis* Kuhnelt (1223) p. 14–, fig. 2; Ecology.
1955. *Isotoma viridis* Palissa (1545) p. 482; Ecology.
1955. *Isotoma viridis* Stach (1893) p. 133, figs. 379–380; Poland.

1955. *Isotoma* (*Isotoma*) *viridis* Strenzke (1926) p. 44; Scandinavia; Germany.
1955. *Isotoma viridis* Uchida (2034) p. 200; Japan.
1956. *Isotoma viridis* Bockemuhl (193) p. 141; Spitzbergen.
1956. *Isotoma viridis* Gisin (895) p. 12; Geneva.
1956. *Isotoma viridis* Goto (926) p. 8; Outer Hebrides.
1956. *Isotoma* (*Isotoma*) *viridis* Husmann (1084) p. 145; Germany.
1956. *Isotoma viridis* Paclt (1541) p. 87–; Biology.
1956. *Isotoma viridis* von Torne (1990) p. 500; Europe.
1956. *Isotoma viridis* Wray and Knowlton (2214) p. 3; Idaho.
1957. *Isotoma viridis* Bodvarsson (2252) p. 25–; Iceland.
1957. *Isotoma viridis* Gunhold (2280) p. 473; Ecology.
1957. *Isotoma viridis* Haarlov (2281) p. 11, fig. 1; Denmark, habitat.
1957. *Isotoma viridis* Mayer (1390) p. 566; Biology.
1957. *Isotoma viridis* Uchida (2042) p. 40; Japan.
1958. *Isotoma viridis* Christiansen (2264) p. 78; Lebanon; Palestine.
1958. *Isotoma viridis* Grindbergs (2275) p. 11; Latvia.
1958. *Isotoma* (*Isotoma*) *viridis* Grindbergs (2277) p. 196; Latvia.
1958. *Isotoma viridis* Holler-Land (2283) p. 110; Ecology.
1958. *Isotoma* (*Isotoma*) *viridis* Int. Comm. (2378) p. 25; Listed official specific name.
1958. *Isotoma viridis* Knulman (2293) p. 375–; Life History.
1958. *Isotoma viridis* Miles (1412) p. 638; Wales.
1958. *Isotoma viridis* Mrohs (1463) p. 330–; Ecology.
1958. *Isotoma viridis* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1958. *Isotoma viridis* Simon (2335) p. 76; Collembola as food.
1958. *Isotoma viridis* von Torne (1993) p. 667; Austria.
1959. *Isotoma viridis* Franz and Gunhold etc. (2369) p. 59; Communities.
1959. *Isotoma viridis* Haybach (2375) Tab. VIII; Ecology.
1959. *Isotoma viridis* Holler-Land (2284) p. 432; Ecology, Germany.
1959. *Isotoma viridis* Paclt (2317) p. 340; Europe.
1959. *Isotoma viridis* Palissa (2319) p. 278–; Ecology.
1959. *Isotoma viridis* Poole (1604) p. 76–; Food of Collembola.
1959. *Isotoma viridis* Simon (2336) p. 35; Systematics.
1959. *Isotoma viridis* Simon (2337) p. 101; Ecology.
1959. *Isotoma viridis* Stach (1896) p. 36; Poland.
1959. *Isotoma* (*Isotoma*) *viridis* Wilkey (2349) p. 223; California.
1960. *Isotoma viridis* Bodvarsson (2412) p. 174; Färoes.
1960. *Isotoma viridis* Gisin (2271) p. 206, figs. 375, 376; Europe.
1960. *Isotoma* (*Isotoma*) *viridis* Grindbergs (2373) p. 42; U.S.S.R.
1960. *Isotoma viridis* Milne (2384) p. 137; Life history.
1960. *Isotoma viridis* Palissa (2319) p. 377; Systematics, Ecology.

Isotoma viridis annulata (Nicolet) 1841

1841. *Desoria annulata* Nicolet (1492) p. 62, Pl. —, fig. 6; Europe.
1878. *Isotoma annulata* Parona (1557) p. 603; Italy.
1883. *Isotoma annulata* Parona (1558) p. 463; Italy.
1907. *Isotoma viridis annulata* Axelson (83) p. 130; Finland.
1930. *Isotoma viridis annulata* Stach (1869) p. 291; Europe; Siberia; North America; Pigmentation.
1947. *Isotoma viridis annulata* Stach (1886) p. 431; Europe.
1960. *Isotoma* (*Isotoma*) *viridis annulata* Grindbergs (2373) p. 43; U.S.S.R.
1960. *Isotoma viridis annulata* Palissa (2319) p. 379; Systematics; Ecology.

Isotoma viridis aquatilis (Bourlet) 1843

1843. *Podura viridis* Bourlet (265) p. 26; Europe.
1872. *Isotoma palustris* (*forma principilis*) Tullberg (2003) p. 45; Sweden.
1873. *Isotoma aquatilis* Lubbock (1318) p. 170, Pl. LV, figs. 17–20; Sweden; Switzerland; England; France.
1873. *Isotoma tricolor* Packard (1521) p. 34; Massachusetts.
1891. *Isotoma viridis aquatilis* Schött (1762) p. 22; California.

Isotoma viridis arctica Schött, 1893

1893. *Isotoma viridis arctica* Schött (1765) p. 61, Pl. V, fig. 4; Port Clarence, Bering Strait.
1895. *Isotoma viridis arctica* Dalla Torre (498) p. 10; Boreal Asia.
1896. *Isotoma viridis arctica* MacGillivray (1345) p. 58; Boreal Asia.
1896. *Isotoma viridis arctica* Schäffer (1735) p. 185; Germany.
1900. *Isotoma viridis arctica* Schäffer (1738) p. 245; South Russia; North America by Bering Strait.
1902. *Isotoma viridis arctica* Folsom (781) p. 96, Pl. IV, fig. 5, Pl. VII, figs. 40–42; Alaska.
1932. *Isotoma viridis arctica* Brown (312) p. 339; Arctic.
1932. *Isotoma viridis arctica* Durkop (706) p. 235; Germany.
1937. *Isotoma viridis arctica* Folsom (806) p. 114; Sth. Russia; Bering Strait.
1947. *Isotoma viridis arctica* Stach (1886) p. 431; Pigmentation.
1960. *Isotoma* (*Isotoma*) *viridis arctica* Grindbergs (2373) p. 43; U.S.S.R.

Isotoma viridis caerulea (Bourlet) 1841

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1841. *Podura viridis caeruleo* Bourlet (261) p. 114; Europe.
1842. *Podura viridis caeruleous* Bourlet (265) p. 24; Europe.
1901. *Isotoma viridis caerulea* Börner (234) p. 50; Central Europe.
1933. *Isotoma viridis coerulea* Schubert (1787) p. 194; Ecology.
1935. *Isotoma viridis coerulea* Schubert (1791) p. 106–, p. 376–; Germany.
1938. *Isotoma viridis coerulea* Kseneman (1220) p. 15; Europe.
1948. *Isotoma viridis caerulea* Franz and Beier (821) p. 460; Ecology.
1949. *Isotoma viridis coerulea* Strenzke (1922) p. 207; Germany; Ecology.
1951. *Isotoma viridis coerulea* Schaller (1746) p. 463–; Germany, Ecology.
1957. *Isotoma viridis coerulea* Bodvarsson (2252) p. 27; Iceland.
1960. *Isotoma viridis caerulea* Palissa (2319) p. 378; Systematics and Ecology.

Isotoma viridis catena (Guthrie) 1903

TYPE: Dept. Anim. Biol., Minnesota Nat. Hist. Surv., U.S.A.
1903. *Isotoma catena* Guthrie (951) p. 69, Pl. IX, figs. 15–16 b; Minnesota.
1914. *Isotoma catena* Bacon (94) p. 152; California.
1934. *Isotoma viridis catena* Mills (1417) p. 63; Iowa.

1937. *Isotoma (Isotoma) viridis catena* Folsom (806) p. 112; U.S.A.
1938. *Isotoma viridis catena* James (1125) p. 153, Pl. 15, figs. 2, 3, 9; America.
1942. *Isotoma viridis catena* Scott (1796) p. 179; West U.S.A.
1948. *Isotoma viridis catena* Spencer (1851) p. 22; Canada.
1951. *Isotoma viridis catena* Maynard (1393) p. 112: New York.

Isotoma viridis cincta Tullberg, 1876

1876. *Isotoma palustris cincta* Tullberg (2004) p. 35; Boreal Scandinavia.
1893. *Isotoma viridis cincta* Schött (1765) p. 62, Pl. V, fig. 5; Sweden.
1896. *Isotoma glauca montana* MacGillivray (1345) p. 57; New Hampshire.
1896. *Isotoma viridis cincta* MacGillivray (1345) p. 58; Boreal Europe.
1896. *Isotoma viridis cincta* Schäffer (1735) p. 185; Germany.
1900. *Isotoma viridis cincta* Schäffer (1738) p. 246; Novaya Zemlya; Waigatsch.
1901. *Isotoma viridis cincta* Krausbauer (1204) p. 66; Germany.
1907. *Isotoma viridis cincta* Axelson (83) p. 130; Finland.
1912. *Isotoma viridis cincta* Axelson (1292) p. 164; Finland.
1930. *Isotoma viridis cincta* Womersley (2167) p. 151; Kew Gardens, England.
1933. *Isotoma viridis cincta* Turk (2007) p. 93; Britain.
1936. *Isotoma (Isotoma) viridis cincta* Folsom (806) p. 113; New Hampshire; Synonymy.
1947. *Isotoma viridis cincta* Stach (1886) p. 431; Pigmentation.
1951. *Isotoma viridis cincta* Maynard (1393) p. 112, Pl. XII, 202; New York.
1958. *Isotoma viridis cincta* Grindbergs (2277) p. 197; Latvia.
1960. *Isotoma (Isotoma) viridis cincta* Grindbergs (2373) p. 43; U.S.S.R

Isotoma viridis decorata Brown, 1926

1926. *Isotoma viridis decorata* Brown (305) p. 205, fig. 11; Mesopotamia.
1942. *Isotoma viridis decorata* Handschin (1012) p. 404, Mesopotamia; Palestine.
1947. *Isotoma viridis decorata* Stach (1886) p. 432; Systematics.

Isotoma viridis delta MacGillivray, 1896

1896. *Isotoma viridis delta* MacGillivray (1345) p. 59; Mississippi.
1937. *Isotoma viridis delta* Folsom (806) p. 114, Pl. 37, fig. 435; Mississippi; Texas.
1942. *Isotoma viridis delta* Scott (1796) p. 179; West U.S.A.
1947. *Isotoma viridis delta* Stach (1886) p. 432; Pigmentation.

Isotoma viridis genuina Börner, 1901

1901. *Isotoma viridis genuina* Börner (234) p. 50; Germany; Pigmentation.
1902. *Isotoma (Euisotoma) viridis genuina* Voights (2067) p. 523; Germany.

Isotoma viridis micans Ågren, 1903

1903. *Isotoma viridis micans* Ågren (55) p. 135; Sweden; Taxonomy.
1947. *Isotoma viridis micans* Stach (1886) p. 431; Pigmentation.

Isotoma viridis obscura Handschin, 1942

1942. *Isotoma viridis obscura* Handschin (1012) p. 405; Palestine.

Isotoma viridis pallida Börner, 1901

1841. *Desoria pallida* Nicolet (1492) p. 384; Europe.
1901. *Isotoma viridis pallida* Börner (234) p. 49; Central Europe.
1903. *Isotoma viridis pallida* Ågren (55) p. 134; Sweden.
1904. *Isotoma viridis pallida* Axelson (79) p. 72; Norway.
1907. *Isotoma viridis pallida* Axelson (83) p. 130; Finland.
1907. *Isotoma viridis pallida* Axelson (84) p. 10; North Finland.
1912. *Isotoma viridis pallida* Axelson (1292) p. 163; Finland.
1930. *Isotoma viridis pallida* Buitendijk (334) p. 60; Holland.
1934. *Isotoma viridis pallida* Davis (526) p. 100; Britain.
1935. *Isotoma viridis pallida* Axelson (1296) p. 381; Spitzbergen.
1935. *Isotoma viridis pallida* Schubert (1791) pp. 108–, 221–, 366–; Germany.
1941. *Isotoma viridis pallida* Buitendijk (336) p. 46; Netherlands.
1942. *Isotoma viridis pallida* Handschin (1012) p. 445; Mesopotamia; Palestine.
1947. *Isotoma viridis pallida* Stach (1886) p. 431; Pigmentation.
1949. *Isotoma viridis pallida* Strenzke (1922) p. 207; Germany; Ecology.
1958. *Isotoma viridis pallida* Grindbergs (2277) p. 197; Latvia.
1960. *Isotoma (Isotoma) viridis pallida* Grindbergs (2373) p. 43; U.S.S.R.

Isotoma viridis pomana Folsom, 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Isotoma (Isotoma) viridis pomana* Folsom (806) p. 115, Pl. 37, fig. 436; California.
1947. *Isotoma viridis pomana* Stach (1886) p. 432; Pigmentation.
1959. *Isotoma (Isotoma) viridis pomona* Wilkey (2349) p. 223; California.

Isotoma viridis riparia (Nicolet) 1842

1841. *Desoria riparia* Nicolet (1493) p. 62, Pl. 6, fig. 6; Europe.
1844. *Desoria riparia* Gervais (841) p. 430; Paris.
1847. *Isotoma riparia* Nicolet (1496) p. 373; Classification; Systematics.
1869. *Isotoma riparia* Porath (1608) p. 652; Scandinavia.
1871. *Isotoma palustris riparia* Tullberg (2002) p. 151; Sweden.
1872. *Isotoma palustris* Tullberg (2003) p. 44; ad part.
1873. *Isotoma belfragei* Packard (1521) p. 33; Massachusetts.
1893. *Isotoma viridis riparia* Schött (1765) p. 61, Pl. V, figs. 2, 3; Sweden.
1893. *Isotoma viridis aquatilis* Schött (1765) p. 65, Pl. V, fig. 7; Systematics.
1895. *Isotoma ciridis riparia* Dalla Torre (498) p. 10; Central Europe; Systematics.
1895. *Isotoma viridis riparia* Reuter (1643) p. 26; Finland; Europe; Siberia.
1896. *Isotoma viridis riparia* MacGillivray (1345) p. 58; Europe; U.S.A.
1896. *Isotoma viridis riparia* Schäffer (1735) p. 185; Germany.
1896. *Isotoma viridis riparia* Schött (1768) p. 114; Sweden.

1897. *Isotoma viridis riparia* Poppe and Schäffer (1607) p. 268; Germany.
1898. *Isotoma viridis riparia* Lie-Pettersen (1282) p. 12; Norway.
1898. *Isotoma viridis riparia* Scherbakow (1750) p. 58; Kiev, Russia.
1898. *Isotoma viridis riparia* Scherbakow (1751) p. 7; Kiev.
1899. *Isotoma viridis riparia* Carpenter and Evans (402) p. 246; Scotland.
1899. *Isotoma viridis riparia* Carl (352) p. 311; Switzerland.
1899. *Isotoma viridis riparia* Wahlgren (2073) p. 186; Ecology.
1900. *Isotoma viridis riparia* Schäffer (1738) p. 245; N. Siberia; N. and Middle Europe.
1901. *Isotoma viridis riparia* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma viridis riparia* Absolon (12) p. 107; Systematics.
1902. *Isotoma viridis riparia* Becker (158) p. 26; Russia.
1902. *Isotoma viridis riparia* Schött (1772) p. 1–; Boreal.
1902. *Isotoma viridis riparia* Voigts (2067) p. 523; Germany.
1903. *Isotoma viridis riparia* Ågren (55) p. 134; Sweden.
1904. *Isotoma viridis riparia* Ågren (56) p. 17; Lapland.
1904. *Isotoma viridis riparia* Axelson (78) p. 5; Siberia.
1905. *Isotoma viridis riparia* Axelson (81) p. 34; Tvärminne, Finland.
1905. *Isotoma viridis riparia* Axelson (82) p. 14; Reval, Russia.
1906. *Isotoma viridis riparia* Wahlgren (2080) p. 255; Sweden.
1907. *Isotoma viridis riparia* Axelson (83) p. 130; Finland.
1907. *Isotoma viridis riparia* Axelson (84) p. 11; North Finland.
1907. *Isotoma viridis riparia* Wahlgren (2082) p. 223; Sweden.
1911. *Isotoma viridis riparia* Axelson (1291) p. 18; Norway.
1912. *Isotoma viridis riparia* Axelson (1292) p. 163; Finland.
1918. *Isotoma viridis riparia* Brown (296) p. 186; England.
1919. *Isotoma viridis riparia* Axelson (1293) p. 8; Arctic Ural.
1919. *Isotoma viridis riparia* Folsom (791) p. 11; Canada; U.S.A.; Arctic.
1919. *Isotoma viridis riparia* McNamara (1360) p. 244; Remarks.
1923. *Isotoma viridis riparia* Stach (1863) p. 9; Germany.
1926. *Isotoma viridis riparia* Brown (305) p. 205; Mesopotamia.
1928. *Isotoma viridis riparia* Jackson (1121) p. 302; England.
1929. *Isotoma viridis riparia* Buitendijk (333) p. 19; Europe.
1929. *Isotoma viridis riparia* Stach (1871) p. 272; Germany.
1930. *Isotoma viridis riparia* Buitendijk (334) p. 60; Holland.
1931. *Isotoma viridis riparia* Bonet (205) p. 381; Czechoslovakia, in caves.
1931. *Isotoma viridia riparia* Brown (310) p. 136; Lapland.
1932. *Isotoma viridis riparia* Brown (312) p. 339; Arctic.
1932. *Isotoma viridis riparia* Krogerus (1210) p. 93; Finland.
1933. *Isotoma viridis riparia* Linnaniemi (1294) p. 4; N.E. Siberia.
1933. *Isotoma viridis riparia* Schubert (1787) p. 208; Ecology.
1934. *Isotoma viridis riparia* Mills (1417) p. 63, figs. 111, 112; Iowa.
1935. *Isotoma viridis riparia* Schubert (1791) p. 105–; Germany.
1936. *Isotoma viridis riparia* Nordberg (1500) p. 34–; Ecology.
1937. *Isotoma viridis riparia* Drenowski (695) p. 2; Bulgaria.
1937. *Isotoma* (*Isotoma*) *viridis riparia* Folsom (806) p. 113, Pl. 37, fig. 434; U.S.A.; Canada.
1938. *Isotoma viridis riparia* Drenowski (696) p. 113; Bulgaria.
1941. *Isotoma viridis riparia* Buitendijk (336) p. 46; Netherlands.
1942. *Isotoma viridis riparia* Handschin (1012) p. 445; Mesopotamia.
1947. *Isotoma viridis riparia* Stach (1886) p. 431; Pigmentation.
1949. *Isotoma viridis riparia* Strenzke (1922) p. 207; Germany, Ecology.
1950. *Isotoma viridis riparia* Wray (2216) p. 62; Utah.
1951. *Isotoma viridis riparia* Maynard (1393) p. 112; New York.
1958. *Isotoma viridis riparia* Grindbergs (2277) p. 197; Latvia.
1960. *Isotoma* (*Isotoma*) *viridis riparia* Grindbergs (2373) p. 43; U.S.S.R.
1960. *Isotoma viridis riparia* Palissa (2319) p. 378; Systematics; Ecology.

Isotoma viridis violaceus Lie-Pettersen, 1898

1898. *Isotoma viridis violaceus* Lie-Pettersen (1282) p. 12; Scandinavia.
1901. *Isotoma viridis coerulea* Börner (234) p. —; Central Europe.
1904. *Isotoma viridis violacea* Axelson (79) p. 72; Norway.
1905. *Isotoma viridis violacea* Axelson (81) p. 34; Tvärminne, Finland.
1907. *Isotoma viridis violacea* Axelson (83) p. 131; Finland.
1930. *Isotoma viridis violaceus* Stach (1869) p. 291; Europe; North America; Siberia.
1947. *Isotoma viridis violacea* Stach (1886) p. 431; Pigmentation.
1960. *Isotoma* (*Isotoma*) *viridis violacea* Grindbergs (2373) p. 43; U.S.S.R.

Isotoma voraginum Uzel, 1890

1890. *Isotoma voraginum* Uzel (2050) p. 65, Pl. II, 14, 15; Czechoslovakia.

Isotoma wahlgreni nom. nov.

1909. *Isotoma lineata* Wahlgren (2081) p. 6, figs. 9, 10; Egypt.
1929. *Isotoma lineata* Handschin (1007) p. 27; Egypt.
1934. *Isotoma lineata* Womersley (2177) p. 469; Egypt.

Isotoma walkerii Packard, 1871

1871. *Isotoma walkerii* Packard (1519) p. 34 and figs.; North America, Embryology.
1871. *Isotoma walkerii* Packard (1518) p. 101; U.S.A.
1871. *Isotoma walkerii* Packard (1520) p. 14; Embryology.
1873. *Isotoma walkerii* Packard (1521) p. 31; Massachusetts.
1891. *Isotoma walkerii* MacGillivray (1341) p. 274; Massachusetts; Ohio.

1896. *Isotoma walkerii* MacGillivray (1345) p. 54; Massachusetts; Ithaca; New York.
1900. *Isotoma walkerii* Prowazek (1614) p. 358–; Morphology.

Isotoma yukinomi Yosii, 1939

1939. *Isotoma (Isotoma) yukinomi* Yosii (2223) p. 386, fig. 22; Japan.
1947. *Isotoma yukinomi* Stach (1886) p. 361; Japan.
1957. *Isotoma yukinomi* Uchida (2042) p. 38; Japan.

Genus: GRANISOTOMA Stach, 1947 (1886) p. 20.
= *Neosotoma* Bagnall, 1948 (126) p. 534.
Type species fixed: *G. rainieri* (Folsom) by Stach. 1947 (1886) p. 20.

Granisotoma rainieri (Folsom) 1937

COTYPES: Illinois State Nat. Hist. Survey, Urbana. Illinois.
1937. *Proisotoma (Proisotoma) rainieri* Folsom (806) p. 45, Pl. 16, figs. 160–168; North America.
1942. *Proisotoma raineri* Scott (1796) p. 179; West U.S.A.
1948. *Neosotoma raineri* Bagnall (126) p. 534; Taxonomy.

Genus: PARISOTOMA Bagnall, 1940 (122) p. 171.
= *Holurotoma* Bagnall, 1949 (127) p. 89.
= *Parisotomodes* Bagnall, 1949 (127) p. 88.
Type species fixed: *P. notabilis* (Schaeffer), by Bagnall, 1940 (122) p. 171.

Parisotoma boerneri (Enderlein) 1903

1903. *Isotoma börneri* Enderlein (722) p. 239, figs. 63–65, 67; Kerguelen Is.
1909. *Isotoma börneri* Enderlein (724) p. 461; Kerguelen, Crozet Is.

Parisotoma canituda Salmon, 1951

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.
1951. *Parisotoma canituda* Salmon (1694) p. 133, figs. 11–14; Malaya.

Parisotoma confusoculata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Parisotoma confusoculata* Salmon (1683) p. 150, Pl. 59, figs. 106–110; New Zealand.

Parisotoma dividua Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Parisotoma dividua* Salmon (1683) p. 150, Pl. 59, figs. 111–114; New Zealand.
1948. *Holurotoma dividua* Bagnall (127) p. 89; Taxonomy.

Parisotoma notabilis (Schäffer) 1896

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1896. *Isotoma notabilis* Schäffer (1735) p. 187, fig. 81; Germany.
1898. *Isotoma notabilis* Scherbakow (1750) p. 59; Kiev, Russia.
1900. *Isotoma notabilis* Axelson (75) p. 117; Description.
1900. *Isotoma notabilis* Schäffer (1739) p. 256, fig. 16; Germany.
1901. *Isotoma notabilis* Absolon (11) p. 38; Czechoslovakia.
1901. *Isotoma notabilis* Absolon (12) p. 107; Systematics.
1901. *Isotoma notabilish* Börner (234) p. 51, fig. 24, Pl. I, fig. 4; Germany.
1901. *Isotoma notabilis* Krausbauer (1204) p. 68; Germany.
1902. *Isotoma notabilis* Becker (158) p. 27; Russia.
1902. *Isotoma notabilish* Schött (1772) p. 22; Sweden.
1903. *Isotoma notabilis* Ågren (55) p. 128; Sweden.
1903. *Isotoma notabilis* Becker (159) p. 9; Anatomy.
1904. *Isotoma notabilis* Ågren (56) p. 17; Lapland.
1904. *Isotoma notabilis* Axelson (79) p. 71; Norway.
1905. *Isotoma notabilis* Axelson (81) p. 34; Tvärminne, Finland.
1905. *Isotoma notabilis* Axelson (82) p. 14; Reval, Russia.
1906. *Isotoma notabilis* Wahlgren (2080) p. 256; Sweden.
1907. *Isotoma notabilis* Axelson (83) p. 131; England.
1907. *Isotoma notabilis* Axelson (84) p. 10 North Finland.
1907. *Isotoma notabilis* Wahlgren (2082) p. 224; Torne lappmark.
1910. *Isotoma notabilis* Collinge and Shoebotham (472) p. 107; England.
1911. *Isotoma notabilis* Axelson (1291) p. 18; Norway.
1912. *Isotoma notabilis* Axelson (1292) p. 168, Pl. XIII, figs. 15, 16; Finland.
1919. *Isotoma notabilis* Wahlgren (2089) p. 750; Sweden.
1920. *Isotoma notabilis* Stach (1859) p. 162; Poland.
1922. *Isotoma notabilis* Stach (1860) p. 22; Hungary.
1923. *Isotoma notabilis* Stach (1863) p. 9; Germany.
1924. *Isotoma notabilis* Handschin (981) p. 114; Switzerland.
1925. *Isotoma notabilis* Denis (617) p. 208; Italy.
1925. *Isotoma notabilis* Denis (619) p. 145; France.
1925. *Isotoma notabilis* Womersley (2148) p. 169; S.W. England.
1926. *Isotoma notabilis* Brown (307) p. 334; England.
1926. *Isotoma notabilis* Stirnimann (1907) p. 252; Ecology.
1926. *Isotoma notabilis* Womersley (2153) p. 219; S.W. England.
1927. *Isotoma notabilis* Womersley (2154) p. 376; S.W. England.
1927. *Isotoma notabilis* Womersley (2155) p. 39; Savernake Forest, England.
1928. *Isotoma notabilis* Handschin (1003) p. 127; East Prussia.
1928. *Isotoma notabilis* Jackson (1121) p. 302; England.
1928. *Isotoma notabilis* Krausse (1206) p. 118; Ecology.
1929. *Isotoma notabilis* Handschin (1006) p. 238; Sth. India.
1929. *Isotoma notabilis* Handschin (1008) p. 66, fig. 118; Middle and North Europe.
1930. *Isotoma notabilis* Buitendijk (334) p. 59; Holland.
1930. *Isotoma notabilis* Kel'shtein (1161) p. 78; Russia.
1930. *Isotoma notabilis* Stach (1869) p. 291; Europe.
1930. *Isotoma notabilis* Stach (1870) p. 59; Spain.
1931. *Isotoma notabilis* Bonet (205) p. 381; Czechoslovakia, in caves.
1931. *Isotoma notabilis* Denis (638) p. 125; Costa Rica.
1931. *Isotoma notabilis* Denis (639) p. 216; Germany.
1932. *Isotoma notabilis* Kseneman (1211) p. 18; Czechoslovakia.
1933. *Isotoma notabilis* Schubert (1787) p. 189; Ecology.
1933. *Isotoma notabilis* Turk (2007) p. 93; Britain.
1934. *Isotoma notabilis* Agrell (37) p. 224; Ecology, Britain.
1934. *Isotoma notabilis* Durkop (707) p. 500; Europe.
1934. *Isotoma notabilis* Perrier (1576) p. 35; France.
1934. *Isotoma notabilis* Volz (2069) p. 172–; Ecology.
1934. *Isotoma notabilis* Womersley (2178) p. 104; Sth. Australia, greenhouse.
1936. *Isotoma notabilis* Stammer (1900) p. 211; Schneeberghohle.
1936. *Isotoma notabilis* Womersley (2183) p. 321; New Zealand.
1937. *Isotoma notabilis* Drenowski (695) p. 2; Bulgaria.
1937. *Isotoma notabilis* Ford (811) p. 103; Ecology.
1937. *Isotoma notabilis* Frenzel (828) p. 296; Ecology.

1937. *Isotoma notabilis* Kseneman (1217) p. 470; Carpathians.
1937. *Isotoma notabilis* Schubert (1792) p. 126; Europe.
1938. *Isotoma notabilis* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Isotoma notabilis* Kseneman (1220) p. 15; Europe; Costa Rica.
1938. *Isotoma notabilis* Strebel (1917) p. 123; Germany, Ecology.
1939. *Isotoma notabilis* Stach (1881) p. 398; caves in Glatzer Schneeberges.
1939. *Isotoma* (*Isotoma*) *notabilis* Womersley (2190) p. 162, fig. 56 D-E; South Australia, glasshouse.
1941. *Isotoma notabilis* Agrell (46) p. 20; Swedish Lapland.
1941. *Isotoma notabilis* Buitendijk (336) p. 44, fig. 11; Netherlands; North and Mid Europe.
1941. *Isotoma notabilis* Salmon (1676) p. 338, fig. 241; Description, New Zealand.
1941. *Isotoma notabilis* Tarsia in Curia (1955) p. 258; Italy.
1942. *Isotoma notabilis* Marlier (1375) p. 9; Belgium.
1942. *Isotoma notabilis* Muhlmann (1467) p. 195; Europe.
1943. *Isotoma notabilis* Agrell (47) p. 125; Sweden.
1943. *Isotoma notabilis* Gisin (853) p. 165; Switzerland.
1944. *Isotoma notabilis* Agrell (48) p. 3; Swedish Lapland, Habitat.
1944. *Isotoma notabilis* Tuxen (2010) p. 181; Iceland.
1945. *Isotoma notabilis* Agrell (50) p. 10; Sweden.
1947. *Isotoma notabilis* Stach (1886) p. 374, Pl. XL; Description; Poland; Lithuania; White Russia; West and Central Ukraine; Crimea; Caucasus; Slovakia; Hungary; Germany; Austria; Styria; Italy; Spain; Bulgaria.
1948. *Isotoma notabilis* Franz and Beier (821) p. 459–; Ecology.
1948. *Isotoma notabilis* Gisin (867) p. 80; Switzerland.
1948. *Isotoma notabilis* Palmen (1546) p. 175; Ecology.
1948. *Isotoma notabilis* Salt *et al.* (1724) p. 145; Ecology.
1948. *Isotoma notabilis* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Isotoma notabilis* Schaller (1742) p. 268; Germany, Ecology.
1949. *Isotoma notabilis* Strenzke (1922) p. 207; Germany, Ecology.
1950. *Isotoma notabilis* Delamare Deboutteville (570) p. 183, fig. 49.
1951. *Isotoma notabilis* Gisin (877) p. 85; Switzerland.
1951. *Isotoma notabilis* Gisin (881) p. 56; Moroccan caves.
1951. *Isotoma notabilis* Praport (1610) p. 141; Poland.
1951. *Isotoma notabilis* Schaller (1746) p. 463–; Germany, Ecology.
1952. *Isotoma notabilis* Baudissin (152) p.• 56; Ecology.
1952. *Isotoma notabilis* Haarlov (956) p. 425; Denmark.
1952. *Isotoma notabilis* Hammer (971) p. 413; Soil, Greenland.
1952. *Isotoma notabilis* Mihelcic (1406) p. 96; Ecology.
1953. *Isotoma notabilis* Franz (819) p. 456; General Economics.
1953. *Isotoma notabilis* Gisin (885) p. 233; Jan Mayen I.
1953. *Isotoma notabilis* Hammer (972) p. 51; North Canada; Alaska.
1953. *Parisotoma notabilis* Hazelton and Glennie (1037) p. 273; Britain.
1953. *Isotoma notabilis* Weidner (2108) p. 34; Central Europe.
1954. *Isotoma notabilis* Cassagnau (418) p. 624; France.
1954. *Isotoma notabilis* Macfadyen (1339) p. 291; Jan Mayen I.
1954. *Isotoma* (*Isotoma*) *notabilis* Strenzke (1925) p. 57; Germany.
1955. *Isotoma* (*Isotoma*) *notabilis* Goto (918) p. 31; British Isles.
1955. *Isotoma notabilis* Haarlov (958) p. 175–; Ecology.
1955. *Isotoma notabilis* Murphy (1474) p. 160–; Ecology.
1955. *Isotoma notabilis* Palissa (1545) p. 482; Ecology.
1955. *Isotoma notabilis* Stach (1893) p. 136, figs. 397–399; Cosmopolitan.
1956. *Isotoma notabilis* Bockemuhl (193) p. 141; Spitzbergen.
1956. *Isotoma notabilis* Gisin (895) p. 12; Geneva.
1956. *Isotoma notabilis* Gisin (896) p. 8; Geneva.
1956. *Isotoma notabilis* Goto (926) p. 8; Outer Hebrides.
1956. *Isotoma notabilis* Loksa (1310) p. 385; Ecology.
1956. *Isotoma notabilis* von Torne (1990) p. 500; Europe.
1957. *Isotoma notabilis* Bodvarsson (2252) p. 24; Iceland.
1957. *Isotoma notabilis* Gisin (898) p. 110–; Switzerland.
1957. *Isotoma notabilis* Gisin (901) p. 478; Madeira.
1957. *Isotoma notabilis* Gunhold (2280) p. 467–; Ecology.
1957. *Isotoma notabilis* Haarlov (2281) p. 11; Denmark, habitats.
1957. *Isotoma notabilis* Kuhnelt (1224) p. 87; Ecology.
1957. *Isotoma notabilis* Strebel (1920) p. 470.
1958. *Isotoma* (*Isotoma*) *notabilis* Grindbergs (2277) p. 197; Latvia.
1958. *Isotoma notabilis* Holler-Land (2283) p. 110; Ecology.
1958. *Isotoma notabilis* Kholova (1169) p. 235; Bohemia.
1958. *Isotoma notabilis* Nosek (1503) p. 358; Czechoslovakia.
1958. *Isotoma notabilis* von Torne (1993) p. 667; Austria.
1959. *Isotoma notabilis* Da Gama (494) p. 31; Madeira.
1959. *Isotoma notabilis* Da Gama (2266) p. 22; Portugal.
1959. *Isotoma notabilis* Haybach (2375) Tab. VIII; Ecology.
1959. *Isotoma notabilis* Holler-Land (2284) p. 427–; Ecology, Germany.
1959. *Isotoma* (*Proisotoma*) *notabilis* Lawrence (2294) p. 119–; England.
1959. *Isotoma notabilis* Müller (2309) p. 249; Ecology.
1959. *Isotoma notabilis* Paclt (2316) p. 43; South Africa.
1959. *Isotoma notabilis* Paclt (2317) p. 339; Cosmopolitan.
1959. *Isotoma notabilis* Palissa (2319) p. 278; Ecology.
1959. *Isotoma notabilis* Poole (1604) p. 75–; Food of Collembola.
1959. *Isotoma notabilis* Stach (1896) p. 32; Poland.
1959. *Isotoma notabilis* Steiner (2343) p. 463; Spain.
1960. *Isotoma notabilis* Gisin (2271) p. 205; Europe.

1960. *Isotoma* (*Isotoma*) *notabilis* Grindbergs (2373) p. 42; U.S.S.R.
1960. *Isotoma notabilis* Palissa (2319) p 374; Systematics and Ecology.
1960. *Isotoma notabilis* Selga (2333) p. 3; Canary Is.

Parisotoma notabilis pallida (Agrell) 1939

1901. *Isotoma notabilis pallida?* Absolon (11) p. 38; Czechoslovakia.
1939. *Isotoma notabilis pallida* Agrell (43) p. 1, fig. 2-a; Lapland.
1941. *Isotoma notabilis pallida* Agrell (46) p. 20; Sweden.
1942. *Isotoma notabilis pallida* Haarlov (954) p. 45; Greenland.
1952. *Isotoma notabilis pallida* Hammer (971) p. 413; Soil, Greenland.
1954. *Isotoma notabilis pallida* Hammer (974) p. 14; North Greenland.
1957. *Isotoma notabilis pallida* Bodvarsson (2252) p. 25; Iceland.

Parisotoma octo-oculata (Willem) 1901

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1901. *Isotoma octo-oculata* Willem (2127) p. 262; Antarctic
1902. *Isotoma octo-oculata* Willem (2130) p. 13, Pl. IV, figs. 7–11; Antarctic.
1903. *Isotoma octo-oculata kerguelensis* Enderlein (722) p. 238, Pl. 36, fig. 66; Tierra del Fuego; Kerguelen Is.
1906. *Isotoma octo-oculata* Wahlgren (2079) p. 12; South Shetland; Graham Land; Paulet I.
1907. *Isotoma octo-oculata* Carl (357) p. 4; Antarctica.
1907. *Isotoma octo-oculata* Carpenter (383) p. 733; Graham Land; South Shetland; South Orkneys; South Georgia.
1907. *Isotoma octo-oculata gracilis* Carpenter (379) p. 476, Pl. 2, figs. 9–12; South Orkney Is.
1909. *Isotoma octo-oculata* Enderlein (724) p. 461; Graham Land; South Shetland.
1913. *Isotoma octo-oculata* Ivanoff (1113) p. 203; Antarctic.
1937. *Isotoma octo-oculata* Womersley (2185) p. 4; Macquarrie I.; Heard I.; Kerguelin Is.
1947. *Isotoma octooculata* Denis (673) p. 44; Kerguelen Is.; Add. descr.
1959. *Isotoma octo-oculata* Gressitt and Weber (2273) p. 445; Antarctic.

Parisotoma octo-oculata gracilis (Carpenter) 1907

1907. *Isotoma octo-oculata gracilis* Carpenter (379) p. 476, Pl. II, figs. 9–12; South Orkneys.
1909. *Isotoma octo-oculata gracilis* Enderlein (724) p. 461; South Orkney Is.
1913. *Isotoma octo-oculata gracilis* Ivanoff (1113) p. 203; Antarctic.

Parisotoma octo-oculata kerguelensis (Enderlein) 1903

1903. *Isotoma octo-oculata kerguelensis* Enderlein (722) p. 238, figs. 66, 68–72; Kerguelen Is.
1909. *Isotoma octo-oculata kerguelensis* Enderlein (724) p. 401; Graham Land; South Shetlands.
1959. *Isotoma octo-oculata kerguelensis* Gressitt and Weber (2273) p. 446; Antarctic.

Parisotoma octo-oculata ovata Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Parisotoma octo-oculata ovata* Salmon (1689) p. 39, figs. 125–127; Campbell and Auckland Is.

Parisotoma pentomma (Womersley) 1939

1939. *Isotoma pentomma* Womersley (2190) p. 165, fig. 56 T-W; Australia.
1935. *Isotoma decemoculata* Womersley (2181) p. 216, fig. 4 M-P; South Australia.
1942. *Parisotoma pentomma* Womersley (2193) p. 26; Australia.

Parisotoma picea Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Parisotoma picea* Salmon (1689) p. 36, figs. 116–120; Campbell Island.

Parisotoma postantennala Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Parisotoma postantennala* Salmon (1689) p. 38, figs. 121–124; Auckland Islands.

Parisotoma pritchardi Womersley, 1936

TYPE: Sth. Austr. Mus., Adelaide.
1936. *Isotoma maritima* (Tullberg) Womersley (2183) p. 321; New Zealand.
1936. *Isotoma pritchardi* Womersley (2182) p. 478, fig. 3 a-d; Australia.
1939. *Isotoma* (*Isotoma*) *pritchardi* Womersley (2190) p. 163, fig. 56 P-S; South Australia.
1941. *Parisotoma pritchardi* Salmon (1676) p. 337, figs. 235–237; Description, New Zealand.

Parisotoma punctata (Wahlgren) 1906

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1906. *Isotoma punctata* Wahlgren (2079) p. 14, figs. 29–32; Antarctic.
1912. *Isotoma punctata* Enderlein (725) pp. 56, 127; Falkland Is.; Tierra del Fuego.
1947. *Isotoma punctata* Denis (673) p. 42; Description; Marion Is.; Kerguelen Is.
1949. *Parisotomodes quinquedentata* Bagnall (127) p. 88; Taxonomy.

Parisotoma quinquedentata Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Parisotoma quinquedentata* Salmon (1680) p. 382, Pl. 41, figs. 40–43; New Zealand.

Parisotoma sindentata Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Parisotoma sindentata* Salmon (1680) p. 382, Pl. 41, figs. 35–39; New Zealand.

Genus: HETEROISOTOMA Stach, 1947 (1886) p. 19.
= *Pathisotoma* Bagnall, 1948 (126) p. 540.
Type species fixed: *H. andrei* (Mills), by Stach, 1947 (1886) p. 19.

Heteroisotoma andrei (Mills) 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Isotoma Andrei* Mills (1417) p. 58, figs. 5, 102–104; Iowa.
1947. *Heteroisotoma andrei* Stach (1886) p. 19; Systematics.
1948. *Pathisotoma andrei* Bagnall (126) p. 540; Taxonomy.

Heteroisotoma menotabilis (Börner) 1903

TYPE: Brit. Mus. Nat. Hist., London.
1903. *Isotoma menotabilis* Börner (239) p. 142, fig. 8; Palermo.
1922. *Isotoma menotabilis* Stach (1860) p. 22; Hungary.
1925. *Isotoma menotabilis* Denis (617) p. 211; Italy.
1927. *Isotoma menotabilis* Denis (629) p. 195; Italy.
1930. *Isotoma menotabilis* Stach (1869) p. 291; Palermo.
1933. *Isotoma notabilis-menotabilis* Denis (645) p. 240; Costa Rica; Taxonomy.
1938. *Isotoma menotabilis* Kseneman (1220) p. 15; Europe.
1950. *Isotoma menotabilis* Delamare Deboutteville (570) p. 238; France.

Genus: FOLSOMOTOMA Bagnall, 1949 (127) p. 90.

Type species fixed: *F. bioculata* (Womersley), by Bagnall, 1949 (127) p. 90.

Folsomotoma bioculata (Womersley) 1934

TYPE, PARATYPE: Sth. Aust. Mus., Adelaide.

1934. *Isotoma bi-oculata* Womersley (2178) p. 104, fig. 8, l-o; Victoria, Australia.
1939. *Isotoma (Isotoma) bioculata* Womersley (2190) p. 160, fig. 55, u-y; Victoria, Australia.

Genus: VERTAGOPUS Börner, 1906 (243) p. 171.

Type species fixed: *V. cinerea* (Nicolet), by Börner, 1906 (243) p. 171.

Vertagopus arborea (De Geer) 1740

1740. *Podura campestris nigra* De Geer (529) p. 49, t. 1; Europe.
1740. *Podura nigra* De Geer (530) p. 272, t. 1; Europe.
1758. *Podura arborea* Linné (1300) p. 609; Europe.
1762. *Podura arborea* Geoffroy (837) p. 609; Paris.
1767. *Podura arborea* Linné (1302) p. 1014; Europe.
1775. *Podura arborea* Müller (1471) p. 1019; Europe.
1776. *Podura arborea* Müller (1470) p. 183; Denmark.
1778. *Podura arborea* De Geer (532) p. 18; Holland.
1778. *Podura arborea nigra* De Geer (532) p. 18, Pl. 2, figs. 1–7; Europe.
1781. *Podura arborea* Schrank (1784) p. 494–; Austria.
1793. *Podura arborea* Fabricius (749) p. 66; Europe.
1793. *Podura arborea* Gmelin (910) p. 2908; Europe.
1802. *Podura arborea* Latreille (1241) p. 74; Europe.
1803. *Podura arborea* Latreille (1242) p. 172; Europe.
1806. *Podura arborea* Latreille (1244) p. 165–; Europe.
1827. *Podura arborea* Brebisson (272) p. 273; France.
1835. *Podura arborea* Boisd. and Lacord. (196) p. 113; Europe.
1835. *Podura fuliginosa* Templeton (1957) p. 95; Ireland.
1838. *Podura arborea* Burmeister (339) p. 448; Europe.
1839. *Isotoma arborea* Bourlet (259) p. 402; Brief note.
1840. *Podura arborea* Lucas (1326) p. 564; Europe.
1840. *Podura fuliginosa* Lucas (1326) p. 564; Europe.
1842. *Isotoma rubricauda* Bourlet (259) p. 402.
1842. *Podura arborea* Bourlet (261) p. 115; Europe.
1842. *Podura arborea* Bourlet (263) p. 27; Europe.
1842. *Podura arborea* Bourlet (264) p. 21; Reference.
1842. *Desoria cylindrica* Nicolet (1493) p. 60, Pl. 6, fig. 1; Europe.
1842. *Desoria ebriosa* Nicolet (1493) p. 61, Pl. 6, fig. 4; Europe.
1842. *Desoria pallida* Nicolet (1493) p. 61, Pl. 6, fig. 3; Europe.
1843. *Podura arborea* Bourlet (265) p. 25; Europe.
1844. *Desoria cylindrica* Gervais (841) p. 377; Europe.
1844. *Desoria ebriosa* Gervais (841) p. 377–; Europe.
1844. *Podura arborea* Lucas (1327) p. 291.
1847. *Isotoma ebriosa* Nicolet (1496) p. 373; Switzerland.
1870. *Isotoma cylindrica* Porath (1608) p. 651; Europe.
1873. *Isotoma arborea* Lubbock (1318) p. 167; Europe.
1878. *Isotoma arborea* Parona (1557) p. 598; Italy.
1883. *Isotoma arborea* Parona (1558) p. 462; Italy.
1885. *Isotoma arborea* Parona (1560) p. 46; Sardinia.
1888. *Degeeria arborea* Oudemans (1511) p. 198; Malpighian ducts.
1888. *Isotoma arborea* Parona (1563) p. 143; Italy.
1891. *Isotoma arborea* Parfitt (1550) p. 341; England.
1894. *Isotoma reuteri* Schött (1765) p. 71; Palaearctic.
1895. *Isotoma reuteri* Dalla Torre (498) p. 10; Systematics.
1896. *Isotoma synonymica* MacGillivray (1345) p. 52; America.
1896. *Isotoma terminata* MacGillivray (1345) p. 56.

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.

1896. *Isotoma denticulata* Schäffer (1735) p. 189, figs. 85–96; England.
1896. *Isotoma arborea* Schött (1768) p. 124; Discussion.
1897. *Isotoma denticulata* Poppe and Schäffer (1607) p. 268; Germany.
1899. *Isotoma denticulata* Carl (352) p. 321; Switzerland.
1900. *Isotoma denticulata* Carpenter (368) p. 276; Franz Josef Land.
1901. *Isotoma denticulata* Börner (234) p. 57, fig. 26, Pl. 2, fig. 5; Central Europe.
1901. *Isotoma arborea* Boyd (268) p. 317; Scotland.
1902. *Isotoma denticulata* Krausbauer (1205) p. 43; Germany.
1902. *Isotoma reuteri* Schött (1772) p. 23; Boreal.
1903. *Isotoma arborea* Ågren (55) p. 140; Description.
1904. *Isotoma arborea* Carpenter (372) p. 155; Färoes.
1906. *Isotoma arborea* Wahlgren (2080) p. 257; Sweden.
1908. *Isotoma arborea* Evans (741) p. 197; Scotland.
1908. *Isotoma denticulata* Schille (1755) p. 8; Galicizien.
1910. *Isotoma (Vertagopus) arborea* Collinge (464) p. 9; England.
1910. *Isotoma arborea* Collinge and Shoebotham (472) p. 108; England.
1914. *Isotoma arborea* Shoebotham (1820) p. 61; Ireland.
1916. *Isotoma denticulata* Bartholin (149) p. 186, p. 169; Denmark.
1917. *Isotoma arborea* Shoebotham (1823) p. 221; England.
1918. *Isotoma arborea* Brown (296) p. 186; England.
1919. *Entomobrya arborea* Wahlgren (2089) p. 751; Sweden.
1922. *Vertagopus arborea* Stach (1860) p. 19; Hungary.
1923. *Vertagopus arborea* Womersley (2147) p. 32; S.W. England.
1924. *Isotoma (Vertagopus) arborea* Womersley (2147) p. 32; S.W. England.
1925. *Vertagopus arborea* Denis (617) p. 251; Italy.
1926. *Isotoma arborea* Brown (307) p. 334; England.
1927. *Isotoma (Vertagopus) arborea* Womersley (2154) p. 376; S.W. England.
1927. *Vertagopus arborea* Womersley (2155) p. 39; Savernake Forest, England.
1928. *Isotoma (Vertagopus) arborea* Jackson (1121) p. 301; Britain.
1929. *Isotoma (Vertagopus) arborea* Handschin (1008) p. 65; Germany; Tyrol; Switzerland.
1930. *Isotoma (Vertagopus) arborea* Buitendijk (334) p. 59; Holland.
1930. *Isotoma (Vertagopus) arborea* Stach (1869) p. 289; Europe.
1930. *Isotoma (Vertagopus) arborea* Womersley (2168) p. 180; Ireland.
1931. *Isotoma (Vertagopus) arborea* Bonet (205) p. 381; Czechoslovakia, in caves.
1931. *Vertagopus arborea* Denis (639) p. 217; Germany.
1933. *Vertagopus arborea* Schubert (1787) p. 213; Ecology.
1934. *Isotoma arborea* Mills (1417) p. 57; Iowa.
1934. *Isotoma arborea* Perrier (1576) p. 36; France.
1937. *Isotoma (Vertagopus) arborea* Brown (316) p. 518; E. Greenland.
1937. *Isotoma (Vertagopus) arborea* Folsom (806) p. 83, Pl. 28, figs. 309–315; Synonymy, U.S.A.
1937. *Isotoma arborea* Henriksen (1043) p. 4; Färoes, Distribution.

1938. *Isotoma* (*Vertagopus*) *arborea* Hammer (968) p. 22; East Greenland.
1938. *Vertagopus arborea* Kseneman (1220) p. 14; Europe.
1942. *Isotoma* (*Vertagopus*) *arborea* Scott (1796) p. 179; West U.S.A.
1943. *Vertagopus arborea* Agrell (47) p. 125; Sweden.
1943. *Isotoma* (*Vertagopus*) *arborea* Gisin (853) p. 164; Switzerland.
1944. *Isotoma arborea* Hammer (969) p. 61; North America; Greenland; Arctic Siberia; Finland; Europe; Novaya Zemlya.
1947. *Vertagopus arborea* Stach (1886) p. 338, Pl. XXXVII, figs. 9–11; Description; Poland; Slovakia; Hungary.
1951. *Isotoma* (*Vertagopus*) *arborea* Maynard (1393) p. 105, Pl. X, 183, Pl. XVI, 256; New York, U.S.A.; Europe.
1954. *Vertagopus arborea* Bellinger (174) p. 22.
1954. *Vertagopus arborea* Cassagnau (418) p. 623; France.
1954. *Vertagopus arborea* Hammer (974) p. 14; Nth. Greenland.
1955. *Isotoma* (*Vertagopus*) *arborea* Goto (921) p. 268; Britain.
1955. *Vertagopus arborea* Stach (1893) p. 130, fig. 373; Europe.
1957. *Vertagopus arborea* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Vertagopus arborea* Christiansen (2264) p. 74; Lebanon.
1958. *Entomobrya arborea* von Torne (1993) p. 668; Austria.
1959. *Vertagopus arborea* Da Gama (2266) p. 22; Portugal.
1959. *Vertagopus arborea* Stach (1896) pp. 32, 44; Poland.
1960. *Vertagopus arborea* Bodvarsson (2412) p. 174; Färoes.
1960. *Isotoma arborea* Gisin (2271) p. 204, fig. 373; Europe.

Vertagopus arborea nigra (MacGillivray) 1896

1896. *Isotoma brunnea* MacGillivray (1345) p. 52; America.
1896. *Isotoma nigra* MacGillivray (1345) p. 56; America.
1896. *Isotoma speciosa* MacGillivray (1345) p. 55; America.
1934. *Isotoma arborea nigra* Mills (1417) p. 57; Iowa.
1937. *Isotoma* (*Vertagopus*) *arborea nigra* Folsom (806) p. 86, Pl. 28, figs. 316–319; U.S.A.; Canada; Synonymy.
1951. *Isotoma* (*Vertagopus*) *arborea nigra* Maynard (1393) p. 106; New York.

Vertagopus brevicauda (Carpenter) 1900

1900. *Isotoma brevicauda* Carpenter (368) p. 274, figs. 12–18; Franz Josef Land.
1900. *Isotoma brevicauda* Schäffer (1738) p. 248; Franz Josef Land.
1900. *Isotoma brevicauda* Wahlgren (2077) p. 374; Franz Josef Land.
1933. *Isotoma* (*Vertagopus*) *brevicauda* Linnaniemi (1294) p. 3; N.E. Siberia.
1947. *Vertagopus brevicauda* Stach (1886) p. 323; Franz Josef Land; Taimyr Peninsula.
1960. *Isotoma brevicauda* Gisin (2271) p. 203; Franz Josef Land; Siberia.
1960. *Isotoma* (*Vertagopus*) *brevicauda* Grindbergs (2373) p. 42; U.S.S.R.

Vertagopus ciliatus Christiansen, 1958

TYPE AND PARATYPE: Auth. Pers. Colln., Grinnell Coll., Iowa, U.S.A.

1958. *Vertagopus ciliatus* Christiansen (2264) p. 75, Pl. 9, figs. 22–25, Pl. 10, figs. 26–28; Lebanon.

Vertagopus cinerea (Nicolet) 1842

1842. *Isotoma cinerea* Nicolet (1493) p. 60, Pl. 6, fig. 9; Switzerland.
1842. *Desoria cinerea* Nicolet (1493) p. 60, Pl. 6, fig. 9; Europe.
1844. *Desoria cinerea* Gervais (841) p. 429; Switzerland.
1844. *Desoria cinerea* Lucas (1327) p. 292; Reference.
1845. *Desoria cinerea* Bourlet (266) p. 67; Europe.
1847. *Isotoma cinerea* Nicolet (1496) p. 372; Switzerland.
1871. *Isotoma quadridenticulata* Tullberg (2002) p. 152; Sweden.
1872. *Isotoma cinerea* Tullberg (2003) p. 47, Pl. IX, figs. 21–22; Sweden.
1873. *Isotoma cinerea* Lubbock (1318) p. 174; Europe.
1878. *Isotoma cinerea* Parona (1557) p. 602; Italy.
1879. *Isotoma cinerea* Parona (1557) p. 602; Italy.
1882. *Isotoma cinerea* Parona (1558) p. 463; Italy.
1882. *Isotoma cinerea* Tomosvary (1983) p. 124; Hungary.
1888. *Isotoma cinerea* Dalla Torre (497) p. 157; Tyrol.
1888. *Isotoma cinerea* Parona (1563) p. 143; Italy.
1891. *Isotoma cinerea* Uzel (2050) p. 66; Bohemia.
1893. *Isotoma cinerea* Schött (1765) p. 73, Pl. VI, 33, 34; Sweden.
1895. *Isotoma cinerea* Dalla Torre (498) p. 10; Systematics.
1895. *Isotoma cinerea* Reuter (1643) p. 28; Finland; Europe.
1896. *Isotoma cinerea* Lie-Pettersen (1281) p. 18; Norway.
1896. *Isotoma dilatata* MacGillivray (1345) p. 53; America.
1896. *Isotoma inclinata* MacGillivray (1345) p. 55; America.
1896. *Isotoma lateraria* MacGillivray (1345) p. 56; America.
1896. *Isotoma unica* MacGillivray (1345) p. 50; America.
1899. *Isotoma cinerea* Carl (351) p. 320; Switzerland.
1899. *Isotoma cinerea* Carpenter and Evans (402) p. 251, Pl. VIII, figs. 1, 2; Scotland.
1900. *Isotoma cinerea* Schäffer (1738) p. 247; N.E. Siberia; Europe; North America.
1900. *Isotoma cinerea* Schäffer (1739) p. 260, fig. 17; Germany.
1900. *Isotoma cinerea* Wahlgren (2077) p. 374; Franz Josef Land.
1901. *Isotoma cinerea* Börner (234) p. 58, fig. 27; Central Europe.
1901. *Isotoma cinerea* Evans (740) p. 153; Scotland.
1901. *Isotoma clavigera* Krausbauer (1204) p. 69, figs. 60–63; Germany.
1902. *Isotoma cinerea* Schött (1772) p. 28; Sweden.
1903. *Isotoma cinerea* Ågren (55) p. 142; Sweden.
1903. *Isotoma cinerea* Diem (688) p. 358; Ecology.
1904. *Isotoma cinerea* Ågren (56) p. 17; Lapland.
1904. *Isotoma cinerea* Axelson (79) p. 70; Norway.
1905. *Isotoma cinerea* Axelson (81) p. 32; Tvärminne, Finland.
1905. *Isotoma cinerea* Axelson (82) p. 13; Russia.
1906. *Isotoma* (*Vertagopus*) *cinerea* Börner (243) p. 171; Systematics.
1906. *Isotoma cinerea* Wahlgren (2080) p. 287; Sweden.
1907. *Isotoma cinerea* Axelson (83) p. 130; Finland.
1907. *Isotoma cinerea* Axelson (84) p. 13; N. Finland.

1907. *Isotoma cinerea* Wahlgren (2082) p. 223; Torne lappmark.
1910. *Vertagopus cinerea* Collinge (464) p. 9, figs. 3 and 4; England.
1910. *Isotoma cinerea* Collinge and Shoebotham (472) p. 108, figs. 6, 7; England.
1911. *Isotoma cinerea* Axelson (1291) p. 15; Norway.
1912. *Isotoma* (*Vertagopus*) *cinerea* Axelson (1292) p. 139, Pl. XI, figs. 1–2; Finland.
1912. *Isotoma cinerea* Philiptschenko (1588) p. 519–; Embryology.
1912. *Isotoma cinerea* Philiptschenko (1589) p. 43; Embryology.
1914. *Isotoma cinerea* Brown (296) p. 186; England.
1914. *Isotoma cinerea* Shoebotham (1820) p. 61; Ireland.
1916. *Isotoma cinerea* Bartholin (149) p. 185, or p. 168; Denmark.
1918. *Isotoma cinerea* Brown (296) p. 186; England.
1919. *Isotoma cinerea* Axelson (1293) p. 7; Arctic Urals.
1919. *Isotoma cinerea* Wahlgren (2089) p. 745; Sweden.
1920. *Isotoma* (*Vertagopus*) *cinerea* Stach (1859) p. 161; Poland; Europe; North America; Franz Josef Land, N.E. Siberia.
1920. *Isotoma cinerea* Stach (1859) p. 191; Poland.
1921. *Vertagopus cinerea* Denis (607) p. 125; France.
1922. *Vertagopus cinerea* Denis (609) p. 111; Ile de Yeu, France.
1922. *Isotoma cinerea* Latzel (1250) p. 58; Austria.
1924. *I.* (*Vertagopus*) *cinerea* Denis (614) p. 291; France.
1924. *Isotoma cinerea* Handschin (981) p. 113; Switzerland.
1924. *Vertagopus cinerea* Handschin (983) p. 85; Europe.
1924. *Isotoma* (*Vertagopus*) *cinerea* Womersley (2147) p. 32; S.W. England.
1925. *Isotoma* (*Vertagopus*) *cinerea* Womersley (2153) p. 219; S.W. England.
1928. *Isotoma* (*Vertagopus*) *cinerea* Jackson (1121) p. 302; Britain.
1929. *Isotoma* (*Vertagopus*) *cinerea* Handschin (1008) p. 64, fig. 114; Palaearctic and Nearctic Region.
1929. *Isotoma cinerea* Kel'schtein (1160) p. 247; Russia.
1930. *Isotoma* (*Vertagopus*) *cinerea* Buitendijk (334) p. 59; Holland.
1930. *Isotoma* (*Vertagopus*) *cinerea* Stach (1869) p. 289; Franz Josef Land and Tschuktschen Land.
1931. *Isotoma* (*Vertagopus*) *cinerea* Bonet (205) p. 381; Czechoslovakia.
1931. *Vertagopus cinerea* Denis (639) p. 218; Germany.
1933. *Isotoma* (*Vertagopus*) *cinerea* James (1124) p. 94; Canada.
1933. *Isotoma* (*Vertagopus*) *cinerea* Mills and Rolfs (1431) p. 79; Washington.
1933. *Vertagopus cinerea* Schubert (1787) p. 189; Ecology.
1933. *Isotoma cinerea* Turk (2007) p. 94; Britain.
1934. *Vertagopus cinerea* Agrell (37) p. 223; Ecology, Sweden.
1934. *Isotoma* (*Vertagopus*) *cinerea* Durkop (707) p. 499; Finland; Germany.
1934. *Isotoma cinerea* Lack (1229) p. 603; Greenland.
1934. *Isotoma cinerea* Mills (1417) p. 57; Iowa.
1934. *Isotoma cinerea* Perrier (1576) p. 36; France.
1935. *Vertagopus cinerea* Schubert (1790) p. 94; Europe.
1936. *Isotoma cinerea* Bornebusch (227) p. 39; Denmark.
1937. *Isotoma* (*Vertagopus*) *cinerea* Folsom (806) p. 81, Pl. 27, figs. 300–308; U.S.A.; Canada; Synonymy.
1937. *Vertagopus cinerea* Frenzel (828) p. 305; Ecology.
1937. *Vertagopus cinerea* Schubert (1792) p. 126; Palaearctic, Nearctic.
1938. *Isotoma* (*Vertagopus*) *cinerea* Hammer (968) p. 22; East Greenland.
1939. *Isotoma cinerea* Bueker (332) p. 22, Pl. I, figs. 8–13; U.S.A.
1941. *Vertagopus cinerea* Agrell (46) p. 20; Swedish Lapland.
1941. *Isotoma* (*Vertagopus*) *cinerea* Buitendijk (336) p. 41, fig. 10; Netherlands; Palaearctic; Nearctic.
1942. *Isotoma cinerea cinerea* Brimley (276) p. 4; Nth. Carolina.
1942. *Vertagopus cinerea* Marlier (1375) p. 9; Belgium.
1942. *Isotoma* (*Vertagopus*) *cinerea* Scott (1796) p. 179; West U.S.A.
1943. *Vertagopus cinerea* Agrell (47) p. 125; Sweden.
1943. *Isotoma* (*Vertagopus*) *cinerea* Gisin (853) p. 163; Switzerland.
1944. *Isotoma cinerea* Hammer (969) p. 61; North America; Greenland; Lapland; Arctic Siberia; Finland; Europe.
1945. *Vertagopus cinerea* Agrell (50) p. 10; Sweden, mouse nests.
1947. *Vertagopus cinerea* Stach (1886) p. 331, Pl. XXXVII, figs. 1–8; Descr. and Distr., Poland.
1949. *I.* (*Vertagopus*) *cinerea* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Vertagopus cinereus* Strenzke (1922) p. 207; Germany, Ecology.
1951. *Isotoma* (*Vertagopus*) *cinerea* Maynard (1393) p. 103, Pl. XI, figs. 194–197; Descr., New York.
1951. *Vertagopus cinerea* Schaller (1746) p. 492; Ecology.
1952. *Isotoma cinerea* Minch (1433) p. 33; U.S.A.
1954. *Vertagopus cinerea* Bellinger (174) p. 22; Connecticut.
1954. *Vertagopus cinerea* Cassagnau (418) p. 623; France.
1955. *Isotoma* (*Vertagopus*) *cinerea* Goto (921) p. 268; Britain.
1955. *Vertagopus cinerea* Stach (1893) p. 130, fig. 374; Holarctic.
1956. *Isotoma cinerea* Stevanovic (1903) p. 4; Yugoslavia.
1956. *Isotoma cinerea* Wray and Knowlton (2214) p. 3; Idaho.
1956. *Isotoma* (*Vertagopus*) *cinerea* Bockemuhl (193) p. 140; Spitzbergen.
1958. *Isotoma* (*Vertagopus*) *cinerea* Grindbergs (2277) p. 196; Latvia.
1958. *Vertagopus cinerea* von Torne (1993) p. 666; Austria.
1959. *Vertagopus cinerea* Stach (1896) p. 31; Poland.
1960. *Isotoma cinerea* Gisin (2271) p. 203; Europe.
1960. *Isotoma* (*Vertagopus*) *cinerea* Grindbergs (2373); U.S.S.R.

Vertagopus denticulatus (Schäffer) 1896

1896. *Isotoma terminata* MacGillivray (1345) p. 56; U.S.A.; cf. Stach (1886) p. 325.
1896. *Isotoma denticulata* Schäffer (1735) p. 189, figs. 95, 96; Germany.
1897. *Isotoma denticulata* Poppe and Schaeffer (1607) p. 268; Germany.
1899. *Isotoma denticulata* Carl (352) p. 321; Switzerland.

1901. *Isotoma denticulata* Börner (234) p. 57, Pl. II, fig. 5; Central Europe.
1901. *Isotoma denticulata* Carl (354) p. 264; Switzerland.
1901. *Isotoma denticulata* Krausbauer (1204) p. 69; Germany.
1902. *Isotoma denticulata* Becker (158) p. 26, fig. 3; Russia.
1908. *Isotoma denticulata* Schille (1755) p. 8; Poland.
1912. *Isotoma denticulata* Schille (1756) p. 8; Galizien.
1947. *Vertagopus denticulata* Stach (1886) p. 325; Central Europe; U.S.A.
1960. *Isotoma denticulata* Gisin (2271) p. 204; Germany.
1960. *Isotoma* (*Vertagopus*) *denticulata* Grindbergs (2373) p. 42; U.S.S.R.

Vertagopus montanus Stach, 1947

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1947. *Vertagopus montana* Stach (1886) p. 325, Pl. XXXVII, figs. 12–14; Styria.
1949. *Isotoma* (*Vertagopus*) *montana* Gisin (872) p. 408; Alps.
1957. *Isotoma montana* Gisin (898) p. 110–; Switzerland.
1958. *Vertagopus montana* von Torne (1993) p. 666; Austria.
1960. *Isotoma montana* Gisin (2271) p. 204; Austria.

Vertagopus protocinereus (von Olfers, 1907) Handschin, 1926

1907. *Palpigerida crassula* von Olfers (1506) p. 19, fig. 35; Bernstein.
1926. *Isotoma* (*Vertagopus*) *protocinerea* Handschin (994) p. 213, fig. 3; Baltic Bernstein.

Vertagopus reuteri (Schött) 1893

LECTOTYPE, COTYPES: Brit. Mus. Nat. Hist., London.
1893. *Isotoma reuteri* Schött (1765) p. 71, Pl. VI, figs. 28–30; Tschuktsch Land.
1897. *Isotoma reuteri* Poppe and Schaeffer (1607) p. 268; Germany.
1900. *Isotoma reuteri* Schäffer (1738) p. 248; N.E. Siberia.
1902. *Isotoma reuteri* Schött (1772) p. 23, Pl. I, fig. 19; North Scandinavia.
1907. *Isotoma reuteri* Wahlgren (2083) p. 5; Norway.
1947. *Vertagopus reuteri* Stach (1886) p. 325; Tschuktsch Peninsula, N.E. Siberia; Ellesmere Land.
1960. *Isotoma reuteri* Gisin (2271) p. 204; Arctic.
1960. *Isotoma* (*Vertagopus*) *reuteri* Grindbergs (2373) p. 42; U.S.S.R.

Vertagopus westerlundi (Reuter) 1897

1897. *Isotoma westerlundi* Reuter (1646) p. 44–; Scandinavia.
1904. *Isotoma westerlundi* Axelson (79) p. 70; Norway.
1906. *Isotoma sarekensis* Wahlgren (2080) p. 257; Sweden.
1907. *Isotoma* (*Vertagopus*) *westerlundi* Axelson (83) p. 130; Finland.
1912. *Isotoma* (*Vertagopus*) *westerlundi* Axelson (1292) Pl. I, fig. 19, Pl. XI, figs. 3–8; Finland; Diagnosis.
1919. *Isotoma westerlundi* Handschin (977) p. 76; Switzerland; Finland.
1919. *Isotoma* (*Vertagopus*) *westerlundi* Wahlgren (2089) p. 745; Sweden.
1924. *Isotoma* (*Vertagopus*) *westerlundi* Handschin (981) p. 112; Switzerland.
1929. *Isotoma* (*Vertagopus*) *westerlundi* Handschin (1008) p. 65, fig. 115; Scandinavia; Finland; Switzerland.
1931. *Isotoma* (*Vertagopus*) *westerlundi* Brown (310) p. 136; Lapland.
1933. *Vertagopus westerlundi* Schubert (1787) p. 255; Ecology.
1935. *Vertagopus westerlundi* Schubert (1790) p. 94; Europe.
1937. *Vertagopus westerlundi* Frenzel (828) p. 305; Ecology.
1937. *Isotoma westerlundi* Hesse etc. (1052) p. 498; Ecology.
1937. *Isotoma* (*Vertagopus*) *westerlundi* Kseneman (1217) p. 470; Carpathians.
1937. *Vertagopus westerlundi* Schubert (1792) p. 126; Alps; Boreal.
1938. *Vertagopus westerlundi* Kseneman (1220) p. 15; Europe.
1941. *Vertagopus westerlundi* Agrell (46) p. 20; Swedish Lapland.
1942. *Vertagopus westerlundi* Tahvonen (1949) p. 208–; Finland.
1943. *Vertagopus westerlundi* Agrell (47) p. 125; Sweden.
1943. *Isotoma* (*Vertagopus*) *westerlundi* Gisin (853) p. 164; Switzerland.
1947. *Vertagopus westerlundi* Stach (1886) p. 326, Pl. XXXVI; Poland; Slovakia; Styria.
1948. *Vertagopus westerlundi* Franz and Beier (821) p. 474–; Ecology.
1955. *Vertagopus westerlundi* Stach (1893) p. 131; Poland.
1957. *Vertagopus westerlundi* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Isotoma* (*Vertagopus*) *westerlundi* Grindbergs (2277) p. 195; Latvia.
1958. *Vertagopus westerlundi* von Torne (1993) p. 666; Austria.
1959. *Vertagopus westerlundi* Stach (1896) p. 31; Poland.
1960. *Isotoma westerlundi* Gisin (2271) p. 203, fig. 372; Europe.
1960. *Isotoma* (*Vertagopus*) *westerlundi* Grindbergs (2373) p. 42; U.S.S.R.

Vertagopus westerlundi sarekensis (Wahlgren) 1906

1906. *Isotoma sarekensis* Wahlgren (2080) p. 257; Sweden.
1907. *Isotoma westerlundi obscura* Axelson (83) p. 130; Finland.
1912. *Isotoma* (*Vertagopus*) *westerlundi sarekensis* Axelson (1292) p. 142; Finland.
1919. *Isotoma* (*Vertagopus*) *westerlundi* Wahlgren (2089) p. 746; Sweden.

Genus: ISOTOMINELLA Delamare Deboutteville, 1948 (561) p. 402.
= *Cheirotoma* Bagnall, 1949 (127) p. 85.

Type species fixed: *I. geophila* by Del. Deb., 1948 (561) p. 402.

Isotominella geophila Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Isotominella geophila* Delamare Deboutteville (561) p. 402, figs. 188–194; Ivory Coast, Africa.

Isotominella geophila pilosa Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Isotominella geophila pilosa* Delamare Deboutteville (561) p. 404; Ivory Coast.

Isotominella spatulata (Chamberlain) 1943

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1943. *Isotoma spatulata* Chamberlain (431) p. 43, Pl. II, 23–28; N.W. United States.

1949. *Cheirotoma spatulata* Bagnall (127) p. 85; Taxonomy.
1959. *Isotoma (Isotoma) spatulata* Wilkey (2350) p. 223; California.

Genus: ACANTHISOTOMA Bonet, 1942 (211) p. 56.

Type species fixed: *A. spinicauda* (Bonet), by Bonet, 1942 (211) p. 56.

Acanthisotoma spinicauda (Bonet) 1930

1930. *Isotoma spinicauda* Bonet (203) p. 249, fig. 1; India.
1936. *Isotoma spinicauda* Denis (661) p. 263; North India.
1947. *Isotoma spinicauda* Stach (1886) p. 355; India.
1955. *Isotoma spinicauda* Mani, Singh, Gupta and Baijal (1369) p. 510; N.W. Himalayas.

Genus: CEPHALOTOMA Bagnall, 1949 (127) p. 87.

Type species fixed: *C. grandiceps* (Reuter), by Bagnall, 1949 (127) p. 87.

Cephalotoma grandiceps (Reuter) 1891

1891. *Isotoma grandiceps* Reuter (1641) p. 229; Siberia.
1896. *Isotoma grandiceps* MacGillivray (1345) p. 55; St Lawrence Is., Behring Sea, North America.
1898. *Isotoma grandiceps* Scherbakow (1750) p. 58; Kiev.
1898. *Isotoma grandiceps* Schött (1765) p. 71, Pl. 6, figs. 24–27; Siberia.
1900. *Isotoma grandiceps* Schäffer (1738) p. 247; N.W. Siberia; St Lawrence Is.; Behring Str.
1904. *Isotoma grandiceps* Axelson (78) p. 7; Siberia.
1918. *Isotoma macnamarai* Folsom (789) p. 291, Pl. VII, figs. 1–6; Canada.
1933. *Isotoma grandiceps* James (1124) p. 97; Canada.
1934. *Isotoma grandiceps* Mills (1417) p. 60, figs. 105, 106; Iowa; Siberia; Canada.
1937. *Isotoma (Isotoma) grandiceps* Folsom (806) p. 108, Pl. 36, figs. 422–427; Synonymy; U.S.A.; Canada; Alaska.
1947. *Isotoma grandiceps* Stach (1886) p. 358; Holarctic; Synonymy.
1949. *Cephalotoma grandiceps* Bagnall (127) p. 86; Taxonomy.
1953. *Isotoma grandiceps* Hammer (972) p. 52; North Canada; Alaska.
1956. *Isotoma grandiceps* Paclt (1541) p. 109; Biology.
1960. *Isotoma (Isotoma) grandiceps* Grindbergs (2373) p. 44; U.S.S.R.

Subfamily: ENTOMOBRYINAE Schaeffer, 1896 (1735) p. 177.

Genus: ORCHESELLA Templeton, 1835 (1957) p. 92.
= *Heterotoma* Bourlet, 1839 (259) p. 392.
= *Aetheocerus* Bourlet, 1842 (262) p. 40.

Type species fixed: *O. cincta* (Linné), by Börner, 1903 (239) p. 180, by selection; cf. Gisin, 1951 (878) p. 57.
Orchesella Templeton, 1835—Placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 93; Proposed by Gisin, Opinion 291, 1954 (1100) p. 104.

Orchesella adriatica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella adriatica* Stach (2397) p. 63, Pl. XI, fig. 1; Yugoslavia.

Orchesella ainsliei Folsom, 1924

SYNTYPES: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Orchesella ainsliei* Folsom (797) p. 6, figs. 20–23; New York State.
1925. *Orchesella ainsliei* Handschin (987) p. 170; Morocco.
1929. *Orchesella ainsliei* Spencer and Stracener (1855) p. 642; Economic (in sugar cane).
1933. *Orchesella ainsliei* James (1124) p. 103; Canada.
1934. *Orchesella ainsliei* Mills (1417) p. 80, fig. 130; Iowa, U.S.A.; Europe; Canada.
1938. *Orchesella ainsliei* Brimley (275) p. 16; North Carolina.
1938. *Orchesella ainsliei* Mills (1421) p. 16; North Carolina.
1939. *Orchesella ainsliei* Bueker (332)p. 16, figs. 62–65; St Louis, U.S.A.
1939. *Orchesella ainsliei* Mills (1422) p. 161; North America.
1946. *Orchesella ainsliei* Pearse (1575) p. 139; Ecology.
1951. *Orchesella ainsliei* Maynard (1393) p. 193, Pl. XXI, 351–353, 355; New York.
1960. *Orchesella ainsliei* Stach (2397) p. 23; U.S.A.; Canada.

Orchesella albofasciata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella albofasciata* Stach (2397) p. 133, Pl. XXIII, figs. 1–6; Roumania; Ukraine.

Orchesella albofasciata obscura Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella albofasciata obscura* Stach (2397) p. 23, Pl. XXIII, fig. 3; East Europe.

Orchesella albofasciata pallida Stach, 1960

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1960. *Orchesella albofasciata pallida* Stach (2397) p. 22, Pl. XXIII, fig. 1; Ukraine; Roumania.

Orchesella albofasciata principalis Stach, 1960

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1960. *Orchesella albofasciata principalis* Stach (2397) p. 22, Pl. XXIII, fig. 2; East Europe.

Orchesella albosa Guthrie, 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, U.S.A.
1903. *Orchesella albosa* Guthrie (951) p. 61, Pl. I, figs. 14, 15; Minnesota.
1934. *Orchesella albosa* Mills (1417) p. 80; Iowa.
1938. *Orchesella albosa* Brimley (275) p. 16; North Carolina.
1938. *Orchesella albosa* Mills (1421) p. 16; North Carolina.
1946. *Orchesella albosa* Pearse (1575) p. 139; Ecology.
1960. *Orchesella albosa* Stach (2397) p. 10; U.S.A.

Orchesella alticola Uzel, 1890

1890. *Orchesella alticola* Uzel (2050) p. 45, Pl. I, 4, II, 6; Czechoslovakia.
1899. *Orchesella alticola* Carl (352) p. 327; Switzerland.
1900. *Orchesella alticola* Schaffer (1739) p. 267; Germany.
1901. *Orchesella alticola* Carl (354) p. 265; Switzerland.
1903. *Orchesella alticola* Diem (688) p. 358; Ecology.
1910. *Orchesella alticola* Babler (85) p. 874; Switzerland.
1915. *Orchesella alticola* Ionescu (1105) p. 223; Roumania.

1916. *Orchesella alticola* Ionescu (1106) p. 486; Roumania.
1917. *Orchesella alpigena* Latzel (1249) p. 246; Synonymy; Austria.
1919. *Orchesella alticola* Handschin (977) p. 84; Switzerland.
1920. *Orchesella alticola* Ionescu (1107) p. 19; Roumania.
1922. *Orchesella alpigena* Latzel (1250) p. 72; Austria.
1924. *Orchesella alticola* Handschin (981) p. 145, figs. 121–138; Switzerland.
1929. *Orchesella alticola* Handschin (1008) p. 97, fig. 178; Germany; Switzerland; Roumania; England.
1930. *Orchesella alticola* Stach (1869) p. 307; Europe.
1931. *Orchesella alticola* Bonet (205) pp. 348, 386; Description; Spain; Central Europe; England; Switzerland; Roumania.
1932. *Orchesella alticola* Durkop (706) p. 236; Germany.
1933. *Orchesella alticola* Schubert (1787) p. 203; Ecology.
1934. *Orchesella alticola* Durkop (707) p. 508; Kiel.
1935. *Orchesella alticola* Schubert (1791) p. 120–, p. 218–, p. 369–; Germany.
1937. *Orchesella alticola* Drenowski (695) p. 4; Bulgaria.
1937. *Orchesella alticola* Schubert (1792) p. 128; Central Europe.
1938. *Orchesella alticola* Denis (665) p. 153, figs. 12, 13; Italy.
1938. *Orchesella alticola* Kseneman (1220) p. 20; Europe.
1941. *Orchesella alticola* Tarsia in Curia (1955) p. 265; Italy.
1949. *Orchesella alticola* Janetschek (1127) pp. 42, 135–143; Ecology.
1955. *Orchesella alticola* Goto (921) p. 268; Britain.
1955. *Orchesella alticola* Stach (1893) p. 170, figs. 509–511; Poland; Germany.
1958. *Orchesella alticola* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella alticola* Grindbergs (2277) p. 201; Latvia.
1958. *Orchesella alticola* Kholova (1169) p. 235; Bohemia.
1959. *Orchesella alticola* Stach (1896) p. 41; Poland.
1960. *Orchesella alticola* Gisin (2271) p. 233, fig. 432; Czechoslovakia; Poland.
1960. *Orchesella alticola* Grindbergs (2373) p. 50; U.S.S.R.
1960. *Orchesella alticola* Stach (2397) p. 142, Pl. XXIV, figs. 1–5, Pl. XXV, figs. 1–6; Taxonomy; Synonymy; Poland; Moravia; Carinthia; Germany.

Orchesella alticola devia (Latzel) 1917

1917. *Orchesella alpigena devia* Latzel (1249) p. 247; Austria.
1922. *Orchesella apligena devia* Latzel (1250) p. 72; Austria.

Orchesella alticola multicincta (Latzel) 1917

1917. *Orchesella apligena multicincta* Latzel (1249) p. 247; Austrian Alps.
1922. *Orchesella apligena multicincta* Latzel (1250) p. 72; Austria.

Orchesella alticola obscura Handschin, 1924

1924. *Orchesella alticola obscura* Handschin (981) p. 147; Switzerland.
1930. *Orchesella alticola obscura* Womersley (2168) p. 190; Ireland; Synonymy; Taxonomy.
1938. *Orchesella alticola obscura* Kseneman (1220) p. 20; Czechoslovakia.
1940. *Orchesella alticola obscura* Bagnall (121) p. 102; Britain.
1952. *Orchesella alticola obscura* Mihelcic (1406) p. 96; Ecology.
1960. *Orchesella alticola obscura* Stach (2397) pp. 12, 146; Europe, Alpine.

Orchesella alticola pallens (Latzel) 1917

1917. *Orchesella apligena pallens* Latzel (1249) p. 247; Austrian Alps.
1922. *Orchesella apligena pallens* Latzel (1250) p. 72; Ostalpen and Karstes.

Orchesella alticola pallida Handschin, 1924

1924. *Orchesella alticola pallida* Handschin (981) p. 145, figs. 121–124; Switzerland.
1938. *Orchesella alticola pallida* Kseneman (1220) p. 20; Europe.
1960. *Orchesella alticola pallida* Stach (2397) p. 12; Alpine.

Orchesella alticola strigata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella alticola strigata* Stach (2397) p. 29, Pl. XXV; European Alps.

Orchesella alticola strigata ornata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella alticola strigata ornata* Stach (2397) p. 29, Pl. XXV, figs. 3–4; European Alps.

Orchesella angustistrigata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella angustistrigata* Stach (2397) p. 89, Pl. XI, figs. 4–6; Poland; Austria; Carpathians.

Orchesella angustistrigata pallida Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella angustistrigata pallida* Stach (2397) p. 11; Carpathians; East Alps.

Orchesella angustistrigata picta Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella angustistrigata picta* Stach (2397) p. 91, Pl. XI, fig. 6; Poland.

Orchesella annulicornis Mills, 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Orchesella annulicornis* Mills (1417) p. 78, figs. 11, 129; Iowa.
1960. *Orchesella annulicornis* Stach (2397) p. 27; Iowa; Florida.

Orchesella anomala (Carpenter, 1906)

1906. *Entomobrya anomala* Carpenter (377) p. 40, Pl. II, figs. 8–15; Ireland.
1914. *Orchesella anomala* (Carpenter) Shoebotham (1820) p. 65; Ireland.
1930. *Orchesella anomala* Womersley (2168) p. 190; = *Orchesella alticola obscura.*
1933. *Orchesella anomala* Turk (2007) p. 94; Britain.

Orchesella aquatica (Bourlet) 1841

1841. *Aetheocerus aquaticus* Bourlet (261) p. 112; Europe.
1842. *Aetheocerus aquaticus* Bourlet (265) p. 22; Europe.
1844. *Orchesella aquatica* Lucas (1327) p. 289; List of records (1).

Orchesella arcuata Lindenmann, 1950

TYPE: Basler Natur. Hist. Mus., Basle, Switzerland.
1950. *Orchesella arcuata* Lindenmann (1285) p. 413 figs. 20, 21; Switzerland.

1960. *Orchesella arcuata* Gisin (2271) p. 230, fig. 421; Alps, Switzerland; Austria.
1960. *Orchesella arcuata* Stach (2397) p. 23; Switzerland.

Orchesella balcanica Stach, 1960

1847. *Orchesella sylvatica* Nicolet (1496) p. 366, in part; France; Switzerland.
1915. *Orchesella sylvatica* Ionesco (1105) p. 223; Roumania.
1960. *Orchesella balcanica* Stach (2397) p. 139, Pl. XX, figs. 1–3; Bulgaria; Taxonomy.

Orchesella bifasciata (Bourlet) 1839

1783. *Podura cincta* O. Fabricius (752) p. 300; Europe; cf. Tullberg (2003) p. 44.
1839. *Isotoma bifasciata* Bourlet (259) p. 401; Europe.
1841. *Podura bifasciata* Bourlet (261) p. 115; Europe.
1842. *Podura bifasciata* Bourlet (265) p. 24.
1842. *Orchesella bifasciata* Nicolet (1493) p. 80, Pl. IX, fig. 4; Europe.
1844. *Orchesella bifasciata* Gervais (841) p. 415; Switzerland.
1844. *Orchesella bifasciata* Lucas (1327) p. 290; Reference only.
1845. *Orchesella bifasciata* Bourlet (266) p. 68; Europe.
1845. *Podura bifasciata* Bourlet (266) p. 67; Europe.
1847. *Orchesella bifasciata* Nicolet (1496) p. 366; Switzerland.
1869. *Orchesella bifasciata* Porath (1608) p. 652; Scania.
1871. *Orchesella bifasciata* Tullberg (2002) p. 147; Sweden.
1872. *Orchesella bifasciata* Tullberg (2003) p. 44, Pl. VII, fig. 18; Europe.
1876. *Orchesella bifasciata* Reuter (1628) p. 82; Finland.
1890. *Orchesella bifasciata* Uzel (2050) p. 41; Distribution; Bohemia.
1893. *Orchesella bifasciata* Schött (1765) p. 56; Sweden.
1895. *Orchesella bifasciata* Reuter (1643) p. 25; Finland.
1896. *Orchesella bifasciata* Lie-Pettersen (1281) p. 17; Norway.
1897. *Orchesella bifasciata* Poppe and Schaeffer (1607) p. 269; Germany.
1897. *Orchesella bifasciata* Schäffer (1735) p. 191; Germany.
1899. *Orchesella bifasciata* Carl (352) p. 324; Switzerland.
1900. *Orchesella bifasciata* Carl (353) p. 3; Roumania.
1900. *Orchesella bifasciata* Schäffer (1739) p. 267; Germany.
1900. *Orchesella bifasciata* Vellay (2056) p. 20; Hungary.
1901. *Orchesella bifasciata* Börner (234) p. 66; Germany.
1901. *Orchesella bifasciata* Carl (354) p. 264; Switzerland.
1901. *Orchesella bifasciata* Krausbauer (1204) p. 72; Germany.
1902. *Orchesella bifasciata* Becker (158) p. 29; Russia.
1902. *Orchesella bifasciata* Schött (1772) p. 29; Opphemin, Scandinavia.
1903. *Orchesella bifasciata* Ågren (55) p. 152; Sweden.
1904. *Orchesella bifasciata* Axelson (79) p. 75; Norway.
1905. *Orchesella bifasciata* Axelson (81) p. 37; Tvärminne, Finland.
1906. *Orchesella bifasciata* Axelson (82) p. 20; Revals, Russia.
1906. *Orchesella bifasciata* Lie-Pettersen (1284) p. 66; Norway.
1906. *Orchesella bifasciata* Wahlgren (2080) p. 258; Sweden.
1907. *Orchesella bifasciata* Axelson (83) p. 131; Finland.
1908. *Orchesella bifasciata* Schille (1755) p. 9; Poland.
1911. *Orchesella bifasciata* Axelson (1291) p. 20; Norway.
1912. *Orchesella bifasciata* Axelson (1292) p. 234; Finland.
1912. *Orchesella bifasciata* Dahl (496) p. 423; Ecology.
1912. *Orchesella bifasciata* Schille (1756) p. 10; Galizien.
1916. *Orchesella bifasciata* Bartholin (149) p. 199; Denmark.
1917. *Orchesella aureola* Latzel (1249) p. 248; Austria.
1917. *Orchesella bifasciata* Latzel (1249) p. 266; Austria, Alps.
1918. *Orchesella bifasciata* Vellay (2058) p. 20; Hungary.
1919. *Orchesella bifasciata* Handschin (977) p. 84; Nth. and Middle Europe; Switzerland.
1920. *Orchesella bifasciata* Stach (1859) p. 195; Poland; North and Middle Europe.
1922. *Orchesella aureola* Latzel (1250) p. 72; Austria.
1922. *Orchesella bifasciata* Latzel (1250) p. 69; Ostalpen and Karsten.
1924. *Orchesella bifasciata* Handschin (981) p. 142; Switzerland.
1928. *Orchesella bifasciata* Handschin (1003) p. 131; East Prussia.
1929. *Orchesella bifasciata* Handschin (1008) p. 94, fig. 169; North and Middle Europe.
1930. *Orchesella bifasciata* Stach (1869) p. 306; Nth. and Middle Europe.
1931. *Orchesella bifasciata* Denis (639) p. 306; Germany.
1933. *Orchesella bifasciata* Schubert (1787) p. 184; Ecology.
1933. *Orchesella bifasciata* Schubert (1789) p. 3; Germany.
1935. *Orchesella bifasciata* Schubert (1790) p. 94; Europe.
1935. *Orchesella bifasciata* Schubert (1791) p. 112–, p. 198–, p. 366–; Germany; Poland.
1936. *Orchesella bifasciata* Agrell (47)p. 126; Sweden.
1936. *Orchesella bifasciata* Nordberg (1500) p. 34–; Ecology.
1937. *Orchesella bifasciata* Frenzel (828) p. 296, fig. 123; Ecology.
1937. *Orchesella bifasciata* Kseneman (1217) p. 472; Carpathians.
1937. *Orchesella bifasciata* Schubert (1792) p. 128; Europe.
1937. *Orchesella bifasciata* Strebel (1915) p. 259–; Greece.
1938. *Orchesella bifasciata* Denis (665) p. 152; Italy.
1938. *Orchesella bifasciata* Szent-Ivany (1944) p. 92; Hungary.
1940. *Orchesella bifasciata* Bagnall (121) p. 102; Britain.
1942. *Orchesella bifasciata* Handschin (1012) p. 429; Palestine.
1942. *Orchesella bifasciata* Tahvonen (1949) p. 205–; Finland.
1943. *Orchesella bifasciata* Gisin (853) p. 174; Switzerland.
1945. *Orchesella bifasciata* Agrell (50) p. 10; Sweden; Finland; mouse nests, birds' nests.
1948. *Orchesella bifasciata* Handschin (1017) p. 154.
1949. *Orchesella bifasciata* Janetschek (1127) pp. 42, 135–143; Ecology.

1949. *Orchesella bifasciata* Schaller (1742) p. 278; Germany; Ecology.
1949. *Orchesella bifasciata* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Orchesella bifasciata* Lindenmann (1285) p. 399, fig. 9; Switzerland; juvenile phase and variability.
1951. *Orchesella bifasciata* Praport (1610) p. 144; Poland.
1951. *Orchesella bifasciata* Schaller (1746) p. 465; Germany, Ecology.
1955. *Orchesella bifasciata* Stach (1893) p. 169, figs. 505–506; Europe.
1956. *Orchesella bifasciata* Bockemuhl (193) p. 145; Spitzbergen.
1956. *Orchesella bifasciata* Paclt (1540) p. 355; Europe.
1956. *Orchesella bifasciata* Paclt (1541) p. 60; Biology.
1957. *Orchesella bifasciata* Pschorn-Walcher and Gunhold (2322) p. 347; Ecology.
1958. *Orchesella bifasciata* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella bifasciata* Grindbergs (2277) p. 201; Latvia.
1958. *Orchesella bifasciata* von Torne (1993) p. 669; Austria.
1959. *Orchesella bifasciata* Paclt (2317) p. 342; Czechoslovakia.
1959. *Orchesella bifasciata* Stach (1896) p. 41; Poland.
1960. *Orchesella bifasciata* Gisin (2271) p. 230, fig. 422; Europe.
1960. *Orchesella albifasciata* Grindbergs (2373) p. 50; U.S.S.R.
1960. *Orchesella bifasciata* Paclt (2391) p. 157; Hungary.
1960. *Orchesella aureola* Stach (2397) p. 31; Carinthia.
1960. *Orchesella bifasciata* Stach (2397) p. 104, Pl. XVIII, figs. 1–6, Pl. XIX, figs. 1–10; Poland.

Orchesella bifasciata conspersa Latzel, 1917

1917. *Orchesella bifasciata conspersa* Latzel (1249) p. 246; Austria.
1922. *Orchesella bifasciata conspersa* Latzel (1250) p. 69; Austria.
1950. *Orchesella bifasicata conspersa* Lindenmann (1285) p. 400, fig. 10; Switzerland; juvenile phase and variability.

Orchesella bifasciata dolomitica (Latzel) 1922

1922. *Orchesella aureola dolomitica* Latzel (1250) p. 72; Austrian Alps.

Orchesella bifasciata intermedia* Skorikow, 1900

1900. *Orchesella bifasciata intermedia* Skorikow (1832) p. 1–; Europe.
1903. *Orchesella bifasciata intermedia* Ågren (55) p. 153; **Sweden.**
1906. *Orchesella bifasciata intermedia* Axelson (82) p. 20; Russia.
1906. *Orchesella bifasciata intermedia* Wahlgren (2080) p. 258; Sweden.
1912. *Orchesella bifasciata intermedia* Axelson (1292) p. 234; Finland.
1924. *Orchesella bifasciata intermedia* Handschin (981) p. 142, figs. 119, 120; Switzerland.
1941. *Orchesella bifasciata intermedia* Szent-Ivany (1947) p. 23; Hungary.
1948. *Orchesella bifasciata intermedia* Handschin (1017) p. 154.
1960. *Orchesella bifasciata intermedia* Stach (2397) p. 109; Systematics.

Orchesella bifasciata multifasciata Uzel, 1891

1891. *Orchesella bifasciata multifasciata* Uzel (2050) p. 41; Bohemia.
1937. *Orchesella bifasciata multifasciata* Kseneman (1217) p. 472; Carpathians.

Orchesella bifasciata obscura Uzel, 1891

1891. *Orchesella bifasciata obscura* Uzel (2050) p. 41; Bohemia.
1960. *Orchesella bifasciata obscura* Stach (2397) p. 13, Pl. XIX, fig. 10; Central Europe.

Orchesella bourleti (Bourlet) 1839

1839. *Heterotoma villosissima* Bourlet (259) p. 288; Europe.
1844. *Orchesella bourletii* Lucas (1327) p. 289; Reference only.

Orchesella bulgarica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella bulgarica* Stach (2397) p. 55, Pl. VIII, fig. 6, Pl. IX, fig. 6; Bulgaria.

Orchesella capillata Kos, 1936

1936. *Orchesella capillata* Kos (1194) p. 74, figs. 1, 28–30; Yugoslavia.
1941. *Orchesella capillata* Kos (1198) p. 93–; Yugoslavia.
1950. *Orchesella capillata* Lindenmann (1285) p. 412, fig. 19; Switzerland.
1960. *Orchesella capillata* Gisin (2271) p. 226; Yugoslavia; Austria; Switzerland.
1960. *Orchesella capillata* Stach (2397) p. 10; Yugoslavia.

Orchesella capreana Denis, 1931

1931. *Orchesella capreana* Denis (639) p. 229; Capri I.
1960. *Orchesella capreana* Stach (2397) p. 21; Capri I.

Orchesella carneiceps Packard, 1783

TYPE: Mus. Comp. Zool., Harvard.
1783. *Orchesella carneiceps* Packard (1521) p. 40; Tennessee.
1891. *Entomobrya carneiceps* MacGillivray (1341) p. 272; Ohio; Tennessee.

Orchesella carpatica Ionescu, 1916

1915. *Orchesella carpatica* Ionescu (1105) p. 223; Roumania.
1916. *Orchesella carpatica* Ionescu (1106) p. 488, figs. 8, 9, Pl. VI, figs. 11, 12; Roumania.
1920. *Orchesella carpatica* Ionescu (1107) p. 21, Pl. I, figs. 11, 12, T. figs. 8, 9; Roumania.
1960. *Orchesella carpatica* Gisin (2271) p. 232, fig. 429; Roumania.
1960. *Orchesella carpatica* Stach (2397) p. 33; Roumania.

Orchesella caucasica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella caucasica* Stach (2397) p. 98, Pl. XV, figs. 1–5; Caucasus.

Orchesella chilensis Nicolet, 1849

1847. *Orchesella chilensis* Nicolet (1496) p. 367; Chile.
1849. *Orchesella chilensis* Nicolet (1497) p. 88; Chile.

Orchesella chlorata Gervais, 1844

1844. *Orchesella chlorata* Gervais (841) p. 421, Pl. 50, fig. 6; France.

* So far as I can ascertain from the very obscure references in the literature, the subspecies *intermedia* described by Ågren, 1903 (55) p. 153, is the same insect as that previously described by Skorikow, 1900 (1832) p. 1–, under the same name.

Orchesella cincta (Linné) 1758

1758. *Podura cincta* Linné (1300) p. 69; Europe.
1762. *Podura nigra* Geoffroy (837) p. 609; Paris.
1767. *Podura cincta* Linné (1302) p. 1014; Europe.
1767. *Podura vaga* Linné (1302) p. 1013; Europe.
1775. *Podura cincta* Müller (1471) p. 1020; Europe.
1783. *Podura cincta* Fabricius (752) p. 300; Europe.
1793. *Podura cincta* Fabricius (749) p. 67; Europe.
1793. *Podura vaga* Fabricius (749) p. 66; Europe.
1793. *Podura cincta* Gmelin (910) p. 2908; Europe.
1793. *Podura vaga* Gmelin (910) p. 2908; Europe.
1802. *Podura cincta* Latreille (1241) p. 77; Europe.
1827. *Podura cincta* Brébisson (272) p. 273; France.
1835. *Orchesella cincta* Lacord and Boisduval (196) p. 114; Europe.
1835. *Podura albocincta* Templeton (1957) p. 95; Ireland.
1835. *Orchesella cincta* Templeton (1957) Pl. XI, fig. 3; Ireland.
1835. *Podura cingula* Templeton (1957) p. 95, Pl. XII, fig. 2; Ireland.
1835. *Orchesella filicornis* Templeton (1957) p. 93, Pl. XI, fig. 2; Ireland.
1838. *Chorutes cingulatus* Burmeister (339) p. 451.
1838. *Orchesella cincta* Burmeister (339) p. 451; Europe.
1838. *Podura cingulata* Burmeister (339) p. 450; Europe.
1838. *Podura variegata* Burmeister (339) p. 450; Europe.
1839. *Heterotoma cincta* Bourlet (259) p. 399.
1839. *Heterotoma livida* Bourlet (259) p. 396; Europe.
1839. *Heterotoma musci* Bourlet (259) p. 397.
1839. *Heterotoma pulchricornis* Bourlet (259) p. 397; France.
1839. *Heterotoma quadripunctata* Bourlet (259) p. 398; Europe.
1839. *Heterotoma septemguttata* Bourlet (259) p. 398; Europe.
1839. *Heterotoma vaga* Bourlet (259) p. 398.
1840. *Orchesella cincta* Lucas (1326) p. 562, Pl. I, fig. 1; Cranmore, Ireland.
1840. *Podura cincta* Lucas (1326) p. 565; Cranmore, Ireland.
1840. *Podura cingula* Lucas (1326) p. 566.
1840. *Orchesella cincta* Lucas (1327) p. 288; List of records.
1841. *Aetheocerus cinctus* Bourlet (261) pp. 111, 159; Europe.
1841. *Orchesella filicornis* Bourlet (261) p. 159; Europe.
1842. *Aetheocerus cinctus* Bourlet (265) p. 21; Europe.
1842. *Orchesella filicornis* Bourlet (265) p. 66; Europe.
1842. *Aetheocerus pulchricornis* Bourlet (265) pp. 21, 66; Europe.
1842. *Orchesella fastuosa* Nicolet (1493) p. 78, Pl. 9, fig. 3; Europe.
1842. *Orchesella sylvatica* Nicolet (1493) p. 79, Pl. 9, fig. 5; Europe.
1842. *Orchesella unifasciata* Nicolet (1493) p. 79, Pl. 9, fig. 6; Europe.
1844. *Heterotoma livida* Gervais (841) p. 419; France.
1844. *Heterotoma pulchricornis* Gervais (841) p. 419; France.
1844. *Orchesella cincta* Gervais (841) p. 421; France.
1844. *Orchesella fastuosa* Gervais (841) p. 413; Ireland.
1844. *Orchesella filicornis* Gervais (841) p. 415; Ireland.
1844. *Orchesella quadripunctata* Gervais (841) p. 421; France.
1844. *Orchesella septemguttata* Gervais (841) p. 421; France.
1844. *Orchesella quadripunctata* Lucas (1327) p. 289; Reference only.
1844. *Orchesella septemguttata* Lucas (1327) p. 289; Reference only.
1845. *Aetheocerus cinctus* Bourlet (266) p. 68; Europe.
1845. *Orchesella pulchricornis* Bourlet (266) p. 68; Europe.
1847. *Orchesella cincta* Nicolet (1496) p. 366; France; England.
1847. *Orchesella livida* Nicolet (1496) p. 366; France.
1847. *Orchesella quadripunctata* Nicolet (1496) p. 367; France.
1847. *Orchesella septemguttata* Nicolet (1496) p. 367; France.
1862. *Orchesella fatuosa* Lubbock (1315) p. 591; Europe.
1862. *Orchesella filicornis* Lubbock (1315) p. 591; Europe.
1867. *Orchesella cincta* Lubbock (1316) p. 298; Europe.
1871. *Orchesella cincta* Tullberg (2002) p. 147; Sweden.
1872. *Orchesella cincta* Tullberg (2003) p. 42, Pl. VII, figs. 8–17; Definitive Synonymy.
1873. *Orchesella cincta* Lubbock (1318) p. 129; Description.
1873. *Orchesella cincta* McIntire (1353) p. 5, fig. 6; Britain.
1873. *Orchesella flavopicta* Packard (1521) p. 41; Massachusetts.
1876. *Orchesella cincta* Reuter (1628) p. 81; Finland.
1876. *Orchesella cincta* Tullberg (2004) p. 33; Greenland.
1880. *Orchesella cincta* Reuter (1629) p. 207; Scotland.
1883. *Orchesella cincta* Parona (1558) p. 454; Italy.
1883. *Orchesella cincta* Reuter (1634) p. 75; Finland.
1885. *Orchesella cincta* Parona (1560) p. 44; Sardinia.
1887. *Orchesella cincta* Oudemans (1510) p. 98; Holland.
1887. *Orchesella cincta* Parona (1557) p. 579; Italy.
1888. *Orchesella cincta* Parona (1562) p. 86; Sardinia.
1888. *Orchesella cincta* Parona (1563) p. 138; Italy.
1890. *Orchesella cincta* Uzel (2050) p. 42; Discussion, Bohemia.
1891. *Orchesella cincta* Parfitt (1550) p. 330; England.
1891. *Orchesella cinta* Reuter (1641) p. 228; Siberia.
1891. *Orchesella cincta* Uzel (2051) p. 919; Helgoland.
1893. *Orchesella cincta* Schött (1765) p. 54; Sweden.
1895. *Orchesella cincta* Reuter (1643) p. 24; Finland.
1896. *Orchesella cincta* Lie-Pettersen (1281) p. 17; Norway.
1897. *Orchesella cincta* Poppe and Schaeffer (1607) p. 268; Germany.
1897. *Orchesella cincta* Schäffer (1735) p. 191; Germany.
1898. *Orchesella cincta* Lie-Pettersen (1282) p. 12; Norway.
1898. *Orchesella cincta* Scherbakow (1750) p. 59; Kiev, Russia.
1899. *Orchesella cincta* Carl (351) p. 2; France; Switzerland.
1899. *Orchesella cincta* Carl (352) p. 323; Switzerland.
1899. *Orchesella cincta* Carpenter and Evans (402) p. 245; Scotland.
1899. *Orchesella cincta* Lie-Pettersen (1283) p. 11–; Norway.
1900. *Orchesella cincta* Lécaillon (1258) p. 71; France.
1900. *Orchesella cincta* Schäffer (1738) p. 249; N.W. Siberia; Europe; North America; Newfoundland.
1900. *Orchesella cincta* Schäffer (1739) p. 267; Germany.

1900. *Orchesella cincta* Vellay (2056) p. 20; Hungary.
1900. *Orchesella cincta* Willem (2123) Pl. VIII, figs. 4–6.
1901. *Orchesella cincta* Absolon (11) p. 40; Czechoslovakia.
1901. *Orchesella cincta* Absolon (12) p. 109; Systematics.
1901. *Orchesella cincta* Börner (234) p. 65; Germany.
1901. *Orchesella cincta* Boyd (268) p. 317; Scotland.
1901. *Orchesella cincta* Carl (354) p. 264; Switzerland.
1901. *Orchesella cincta* Evans (739) p. 156; Scotland.
1901. *Orchesella cincta* Evans (740) p. 152; Scotland.
1901. *Orchesella cincta* Folsom (799) p. 159; Eastern U.S.A.
1901. *Orchesella cincta* Krausbauer (1204) p. 72; Germany.
1902. *Orchesella cincta* Schött (1772) p. 29; Sweden.
1902. *Orchesella cincta* Voights (2067) p. 524; Germany.
1903. *Orchesella cincta* Ågren (55) p. 152; Sweden.
1904. *Orchesella cincta* Carpenter (373) p. 197; Lough Gill shore.
1905. *Orchesella cincta* Axelson (81) p. 36; Tvärminne, Finland.
1906. *Orchesella cincta* Axelson (82) p. 19; Revals, Russia.
1906. *Orchesella cincta* Folsom and Welles (808) p. 101–; Physiology etc.
1906. *Orchesella cincta* Lie-Pettersen (1284) p. 66; Norway.
1906. *Orchesella cincta* Navas (1483) p. 164, Pl. X, fig. 3; Spain.
1906. *Orchesella cincta* Wahlgren (2080) p. 258, fig. 22; Sweden.
1907. *Orchesella cincta* Axelson (83) p. 131; Finland.
1907. *Orchesella cincta* Carpenter (378) p. 54; Lambay I., Ireland.
1908. *Orchesella cincta* Foster (814) p. 23; England.
1908. *Orchesella cincta* Schille (1755) p. 9; Poland.
1909. *Orchesella cincta* Shoebotham (1818) p. 58; General Economics.
1910. *Orchesella cincta* Collinge (464) p. 12; England.
1910. *Orchesella cincta* Collinge and Shoebotham (472) p. 118; England.
1910. *Orchesella cincta* Theobald (1964) p. 184–; General Economics.
1911. *Orchesella cincta* Axelson (1291) p. 21; Norway.
1912. *Orchesella cincta* Axelson (1292) p. 235; Finland.
1912. *Orchesella cincta* Dahl (496) p. 422; Ecology.
1912. *Orchesella cincta* Schille (1756) p. 10; Galizien.
1913. *Orchesella cincta* Carpenter (388) p. 9; Clare I., Ireland.
1914. *Orchesella cincta* Shoebotham (1820) p. 63; Ireland.
1915. *Orchesella cincta* Ionesco (1105) p. 223; Roumania.
1916. *Orchesella cincta* Bartholin (149) p. 197; Denmark.
1916. *Orchesella cincta* Carr (407) p. 65; England.
1916. *Orchesella cincta* Ionescu (1106) p. 490; Roumania.
1917. *Orchesella cincta* Cameron (346) p. 50; Cheshire, Soils.
1917. *Orchesella cincta* Shoebotham (1823) p. 222; England.
1918. *Orchesella cincta* Brown (296) p. 186; England.
1918. *Orchesella cincta* Vellay (2058) p. 20; Hungary.
1919. *Orchesella cincta* Folsom (790) p. 281; Canada.
1919. *Orchesella cincta* Handschin (977) p. 84; Mid and South Europe; N.W. Siberia; North America.
1919. *Orchesella cincta* Wahlgren (2089) p. 751; Sweden.
1921. *Orchesella cincta* Brown (301) p. 143; Isle of Wight.
1921. *Orchesella cincta* Denis (607) p. 131; France.
1921. *Orchesella cincta* Miles (1407) p. 173–; Economic.
1922. *Orchesella cincta* Denis (609) p. 112; Ile de Yeu, France.
1922. *Orchesella cincta* Latzel (1250) p. 69; Ostalpen and Karstes.
1922. *Orchesella cincta* Stach (1860) p. 51; Hungary.
1923. *Orchesella cincta* Stach (1863) p. 13; Systematics.
1923. *Orchesella cincta* Womersley (2147) p. 35; S.W. England.
1924. *Orchesella cincta* Denis (614) p. 293; France.
1925. *Orchesella cincta* Denis (617) p. 212; Italy.
1925. *Orchesella cincta* Handschin (986) p. 233; Europe; N.W. Siberia; North America; Germany.
1926. *Orchesella cincta* Handschin (988) p. 36, fig. 26; Biology.
1926. *Orchesella cincta* Handschin (995) p. 128; Subterranean.
1927. *Orchesella cincta* Denis (629) p. 199; Italy.
1927. *Orchesella cincta* Handschin (999) p. 298; Westfalian peat-bogs.
1927. *Orchesella cincta* Womersley (2154) p. 378; S.W. England.
1927. *Orchesella cincta* Womersley (2155) p. 40; Savernake Forest.
1928. *Orchesella cincta* Handschin (1004) p. 7; Algeria.
1928. *Orchesella cincta* Jackson (1121) p. 303; Britain.
1928. *Orchesella cincta* Krausse (1206) p. 118; Ecology.
1928. *Orchesella cincta* Womersley (2159) p. 62; Lundy Island, Devonshire.
1929. *Orchesella cincta* Handschin (1008) p. 94, figs. 170–171; Europe; North America.
1929. *Orchesella cincta* Stach (1869) p. 306; Europe; Greenland; North America.
1930. *Orchesella cincta* Buitendijk (334) p. 68; Holland.
1930. *Orchesella cincta* Kel'shtein (1161) p. 77; Russia.
1930. *Orchesella cincta* Mills (1414) p. 392.
1930. *Orchesella cineta* Womersley (2164) p. 166, *lapsus calami;* Lake District (England).
1930. *Orchesella cincta* Womersley (2168) p. 190; Ireland.
1931. *Orchesella cincta* Bonet (205) p. 386; Czechoslovakia, in caves.
1931. *Orchesella cincta* Bristowe (279) p. 232; Lundy I., Britain.
1931. *Orchesella cincta* Denis (639) p. 229; Germany.
1931. *Orchesella cincta* Lindroth (1286) p. 131; Iceland.
1932. *Orchesella cincta* Denis (643) p. 341; Berne.
1932. *Orchesella cincta* Stach (1871) p. 273; Germany.
1933. *Orchesella cincta* Denis (646) p. 187; Italy.
1933. *Orchesella cincta* Folsom (802) p. 937; Agric. pests.
1933. *Orchesella cincta* Schubert (1787) p. 187; Ecology.
1933. *Orchesella cincta* Turk (2007) p. 94; Britain.
1934. *Orchesella cincta* Durkop (707) p. 508; Germany.
1934. *Orchesella cincta* Perrier (1576) p. 38; France.
1934. *Orchesella cincta* Womersley (2177) p. 422; Europe; Sierra Leone.
1935. *Orchesella cincta* Schubert (1791) pp. 107–, 200–, 366–; Germany; Poland; Czechoslovakia.
1936. *Orchesella cincta* Kos (1194) p. 49, figs. 1, 6–13; Morphology, Yugoslavia.
1937. *Orchesella cincta* Schubert (1792) p. 128; Palaearctic, Nearctic.

1937. *Orchesella cincta* Weidner (2107) p. 18; Central Europe.
1938. *Orchesella cincta* Brimley (275) p. 16; North Carolina.
1938. *Orchesella cincta* Denis (665) p. 152; Italy.
1938. *Orchesella cincta* Kseneman (1220) p. 20; Europe.
1938. *Orchesella cincta* Mills (1421) p. 16; North Carolina.
1939. *Orchesella cincta* Mills (1422) p. 160; North America.
1941. *Orchesella cincta* Buitendijk (336) p. 67; Netherlands; Europe; North America.
1941. *Orchesella cincta* Kos (1198) p. 93–; Yugoslavia.
1942. *Orchesella cincta* Caspers (408) p. 150; Helgoland Is.
1942. *Orchesella cincta* Marlier (1375) p. 10; Belgium.
1942. *Orchesella cincta* Miles (1408) p. 247; Oxford, England.
1942. *Orchesella cincta* Scott (1796) p. 183; West U.S.A.
1943. *Orchesella cincta* Agrell (47) p. 126; Sweden.
1943. *Orchesella cincta* Gisin (853) p. 174; Switzerland.
1945. *Orchesella cincta* Agrell (50) p. 10; Sweden; Habitats.
1945. *Orchesella cincta* Swezey (1943) p. 397; Hawaii.
1948. *Orchesella cincta* Franz and Beier (821) p. 457–; Ecology.
1948. *Orchesella cincta* Handschin (1017) p. 154.
1949. *Orchesella cincta* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Orchesella cincta* Strenzke (1922) p. 208; Germany, Ecology.
1950. *Orchesella cincta* Delamare Deboutteville (570) p. 45–; France.
1950. *Orchesella cincta* Lindenmann (1285) p. 403, figs. 12–14; Switzerland; Juvenile phase and variability.
1951. *Orchesella cincta* Cassagnau and Delamare Deboutteville (593) p. 2; Mid France.
1951. *Podura cincta* Gisin (878) p. 57; Nomenclature.
1951. *Orchesella cincta* Klefbeck (1181) p. 19; Anholt Island.
1951. *Orchesella cincta* Maynard (1393) p. 196, Pl. I, fig. 25; Description, New York.
1951. *Orchesella cincta* Praport (1610) p. 144; Poland.
1951. *Orchesella cincta* Schaller (1746) p. 463; Ecology.
1951. *Orchesella cincta* Stach (1889) p. 57, fig. 25.
1953. *Orchesella cincta* Hazelton and Glennie (1037) p. 273; Britain.
1953. *Orchesella cincta* Ruppel (1670) p. 431–; Physiology.
1953. *Orchesella cincta* Weidner (2108) p. 34; Central Europe.
1954. *Orchesella cincta* Bellinger (174) p. 25; Connecticut.
1954. *Podura* (*Orchesella*) *cincta* Int. Comm. (1100) p. 105; Proposed Specific Name.
1955. *Orchesella cincta* Chopard (434) p. 23, Pl. I, fig. 17; France.
1955. *Orchesella cincta* Gridelli (938) p. 45; Venice.
1955. *Orchesella cincta* Pistor (1594) p. 512; Physiology.
1955. *Orchesella cincta* Stach (1893) p. 170; Europe; America.
1956. *Orchesella cincta* Bockemuhl (193) p. 146; Spitzbergen.
1956. *Orchesella cincta* Loksa (1310) p. 386; Ecology.
1956. *Orchesella cincta* Paclt (1540) p. 355; Europe.
1956. *Orchesella cincta* Paclt (1541) p. 57–, figs. 84, 104; Biology.
1956. *Orchesella cincta* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Orchesella cincta* Wray and Knowlton (2214) p. 5; Idaho.
1957. *Orchesella cincta* Bodvarsson (2252) p. 33; Iceland.
1957. *Orchesella cincta* Haarlov (2281) p. 14; Denmark, habitat.
1957. *Orchesella cincta* Mayer (1390) p. 503–; Biology.
1958. *Orchesella cincta* Grindbergs (2275) p. 11; Europe.
1958. *Orchesella cincta* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella cincta* Grindbergs (2277) p. 201; Latvia.
1958. *Podura* (*Orchesella*) *cincta* Int. Comm. (2378) p. 25; Official List of Specific Names.
1958. *Orchesella cincta* Simon (2335) p. 76; Collembola as Food.
1958. *Orchesella cincta* von Torne (1993) p. 669; Austria.
1959. *Orchesella cincta* Paclt (2317) p. 342; Czechoslovakia.
1959. *Orchesella cincta* Steiner (2343) p. 467; Spain.
1960. *Orchesella cincta* Gisin (2271) p. 229, fig. 420; Europe.
1960. *Orchesella cincta* Grindbergs (2373) p. 50; U.S.S.R.
1960. *Orchesella cincta* Milne (2384) p. 137; On Life History.
1960. *Orchesella cincta* Stach (2397) p. 119, Pl. XXI, figs. 1–4; Europe.

Orchesella cincta argyrotoxa Latzel, 1917

1917. *Orchesella cincta argyrotoxa* Latzel (1249) p. 246; Austria.
1922. *Orchesella cincta argyrotoxa* Latzel (1250) p. 70; Ostalpen and Karstes.
1950. *Ochesella cincta argyrotoxa* Lindenmann (1285) p. 407, figs. 15, 16; Switzerland.
1960. *Orchesella cincta argyrotoxa* Stach (2397) p. 126, Pl. XXI, fig. 2; Switzerland.

Orchesella cincta intermedia Kos, 1936

1936. *Orchesella cincta intermedia* Kos (1194) p. 53, fig. 8; Yugoslavia.

Orchesella cincta pallida Kos, 1936

1936. *Orchesella cincta pallida* Kos (1194) p. 53, fig. 7; Yugoslavia.
1951. *Orchesella cincta pallida* Maynard (1393) p. 197, Pl. I, fig. 24; New York.

Orchesella cincta quadrilineata Latzel, 1922

1922. *Orchesella cincta quadrilineata* Latzel (1250) p. 70; Austria.

Orchesella cincta rufa Scherbakow, 1898

1898. *Orchesella cincta rufa* Scherbakow (1750) p. 65; Kiev.

Orchesella cincta sex-guttatus (Bourlet) 1841

1841. *Aetheocerus pulchricornis sex-guttatus* Bourlet (261) p. 110; Europe.
1842. *Aetheocerus pulchricornis sex-guttatus* Bourlet (265) p. 20; Europe.

Orchesella cincta taurica Skorikow, 1899

1899. *Orchesella cincta taurica* Skorikow (1830) p. 401; Russia.
1960. *Orchesella cincta taurica* Grindbergs (2373) p. 64; U.S.S.R.

Orchesella cincta thoracoarcuata Kos, 1936

1936. *Orchesella cincta thoracoarcuata* Kos (1194) p. 54, fig. 13; Yugoslavia.

Orchesella cincta thoracocincta Kos, 1936

1936. *Orchesella cincta thoracocincta* Kos (1194) p. 53, fig. 9; Yugoslavia.
1958. *Orchesella cincta thoracocincta* von Torne (1993) p. 669; Austria.

Orchesella cincta thoracopentataeniata Kos, 1936

1936. *Orchesella cincta thoracopentataeniata* Kos (1194) p. 54, fig. 11; Yugoslavia.

Orchesella cincta thoracotaeniata Kos, 1936

1936. *Orchesella cincta thoracotaeniata* Kos (1194) p. 53, fig. 10; Yugoslavia.

Orchesella cincta thoracotaeniata-obscura Kos, 1936

1936. *Orchesella cincta thoracotaeniata-obscura* Kos (1194) p. 54, fig. 12; Yugoslavia.

Orchesella cincta unifasciata (Nicolet) 1842

1842. *Orchesella unifasciata* Nicolet (1493) p. 79, Pl. 9, fig. 6; Europe.
1899. *Orchesella cincta unifasciata* Carl (352) p. 324; Switzerland.
1903. *Orchesella cincta unifasciata* Ågren (55) p. 152; Sweden.
1912. *Orchesella cincta unifasciata* Schille (1756) p. 10; Galizien.
1916. *Orchesella cincta unifasciata* Ionesco (1106) p. 490; Roumania.
1920. *Orchesella cincta unifacsiata* Ionesco (1107) p. 23; Roumania.
1922. *Orchesella cincta unifasciata* Stach (1860) p. 51; Hungary.
1930. *Orchesella cincta unifasciata* Stach (1869) p. 306; Europe; Siberia; Greenland.
1941. *Orchesella cincta unifasciata* Szent-Ivany (1947) p. 24; Hungary.
1948. *Orchesella cincta unifasciata* Handschin (1017) p. 154.
1960. *Orchesella cincta unifasciata* Stach (2397) p. 122, Pl. XXI, fig. 1; Europe.

Orchesella cincta vaga (Linné) 1767

1767. *Podura vaga* Linné (1302) p. 1013; Europe.
1775. *Podura faga* Müller (1471) p. 1019; Europe.
1793. *Podura vaga* Fabricius (749) p. 67; Europe.
1834. *Orchesella cincta* Templeton (1957) p. 93, Pl. XI, fig. 3; Ireland.
1835. *Podura vaga* Boisd. and Lacord (196) p. 114; Paris.
1839. *Heterotoma vaga* Bourlet (259) p. 398; Europe.
1840. *Podura vaga* Lucas (1326)p. 565; France; Europe.
1841. *Aetheocerus pulchricornis* Bourlet (261) p. 110, fig. 8; Europe.
1842. *Aetheocerus pulchricornis* Bourlet (265) p. 20, fig. 8; Europe.
1844. *Heterotoma vaga* Gervais (841) p. 420; France.
1844. *Orchesella vaga* Gervais (841) p. 420; France.
1844. *Orchesella vaga* Lucas (1327) p. 289; Europe.
1895. *Orchesella cincta vaga* Reuter (1643) p. 24; Finland.
1896. *Orchesella cincta vaga* Schäffer (1735) p. 191; Germany.
1898. *Orchesella cincta vaga* Scherbakow (1750) p. 59; Kiev, Russia.
1899. *Orchesella cincta vaga* Carl (351) p. 2; France.
1899. *Orchesella cincta vaga* Carl (352) p. 323; Switzerland.
1899. *Orchesella cincta vaga* Carpenter and Evans (402) p. 245; Scotland.
1900. *Orchesella cincta vaga* Lécaillon (1258) p. 71; France.
1900. *Orchesella cincta vaga* Schäffer (1739) p. 267; Germany.
1900. *Orchesella cincta vaga* Vellay (2056) p. 20; Hungary.
1901. *Orchesella cincta vaga* Börner (234) p. 66; Germany.
1901. *Orchesella cincta vaga* Carl (354) p. 264; Switzerland.
1901. *Orchesella cincta vaga* Krausbauer (1204) p. 72; Germany.
1902. *Orchesella cincta vaga* Voights (2067) p. 524; Germany.
1903. *Orchesella cincta* Ågren (55) p. 152; Sweden.
1905. *Orchesella cincta vaga* Axelson (81) p. 36; Tvärminne, Finland.
1906. *Orchesella cincta vaga* Axelson (82) p. 20; Russia.
1906. *Orchesella cincta vaga* Lie-Pettersen (1284) p. 51; Norway.
1906. *Orchesella cincta vaga* Navas (1483) p. 164; Spain.
1906. *Orchesella cincta vaga* Wahlgren (2080) p. 258, fig. 22; Sweden.
1907. *Orchesella cincta vaga* Axelson (83) p. 131; Finland.
1908. *Orchesella cincta vaga* Schille (1755) p. 9; Poland.
1910. *Orchesella cincta vaga* Collinge and Shoebotham (472) p. 119; England.
1912. *Orchesella cincta vaga* Axelson (1292) p. 236; Finland.
1912. *Orchesella cincta vaga* Schille (1756) p. 10; Galizien.
1912. *Orchesella cincta vaga* Schille (2394) p. 128; Poland.
1918. *Orchesella cincta vaga* Vellay (2058) p. 20; Hungary.
1919. *Orchesella cincta vaga* Folsom (790) p. 281; Newfoundland.
1921. *Orchesella cincta vaga* Brown (301) p. 143; Isle of Wight.
1922. *Orchesella cincta vaga* Latzel (1250) p. 69; Ostalpen and Karstes.
1922. *Orchesella cincta vaga* Stach (1860) p. 52; Hungary.
1923. *Orchesella cincta vaga* Stach (1863) p. 13; Germany.
1928. *Orchesella cincta vaga* Jackson (1121) p. 303; Britain.
1928. *Orchesella cincta vaga* Womersley (2154) p. 378; S.W. England.
1930. *Orchesella cincta vaga* Buitendijk (334) p. 69; Holland.
1930. *Orchesella cincta vaga* Kel'shtein (1161) p. 77; Russia.
1930. *Orchesella cincta vaga* Stach (1869) p. 306; Europe; Siberia; Greenland; North America.
1930. *Orchesella cincta vaga* Womersley (2168) p. 190; Ireland.
1932. *Orchesella cincta vaga* Denis (643) p. 342; Berne.
1932. *Orchesella cincta vaga* Stach (1871) p. 273; Germany.
1933. *Orchesella cincta vaga* Schubert (1787) p. 181; Ecology.
1933. *Orchesella cincta vaga* Turk (2007) p. 94; Britain.
1935. *Orchesella cincta vaga* Schubert (1791) pp. 108–, 231–, 366–; Germany; Poland.
1941. *Orchesella cincta vaga* Buitendijk (336) p. 67; Netherlands.
1942. *Orchesella cincta vaga* Miles (1409) p. 16; Oxford, England.
1948. *Orchesella cincta vaga* Handschin (1017) p. 154.

1949. *Orchesella cincta vaga* Strenzke (1922) p. 208; Germany, Ecology.
1951. *Orchesella cincta vaga* Maynard (1393) p. 197, Pl. XXI, fig. 354; Description, New York.
1958. *Orchesella cincta vaga* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella cincta vaga* Grindbergs (2277) p. 201; Latvia.
1958. *Orchesella cincta vaga* von Torne (1993) p. 669; Austria.
1960. *Orchesella cincta vaga* Stach (2397) p. 123, Pl. XXI, fig. 4; Europe.

Orchesella croatica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella croatica* Stach (2397) p. 57, Pl. IX, figs 2, 3; Yugoslavia.

Orchesella crystallina (Müller) 1776

1776. *Podura crystallina* Müller (1470) p. 183; Denmark.
1783. *Podura crystallina* Fabricius (752) p. 303, fig. 5; Europe.
1839. *Heterotoma crystallina* Bourlet (259) p. 396; Europe.
1841. *Aetheocerus crystallinus* Bourlet (261)p. 109; Europe.
1842. *Aetheocerus crystallinus* Bourlet (265) p. 19; Europe.
1844. *Heterotoma crystallina* Gervais (841) p. 419; France.
1844. *Orchesella crystallina* Lucas (1327) p. 288; List of records.
1847. *Orchesella crystallina* Nicolet (1496) p. 366; Europe.

Orchesella disjuncta Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella disjuncta* Stach (2397) p. 66, Pl. VII, fig. 2; East Carpathians.

Orchesella diversicincta Kos, 1936

1936. *Orchesella diversicincta* Kos (1194) p. 64, figs. 1, 20–23; Yugoslavia.
1941. *Orchesella diversicincta* Kos (1198) p. 93–; Yugoslavia.
1960. *Orchesella diversicincta* Gisin (2271) p. 232, fig. 430; Alps, Austria; Yugoslavia.
1960. *Orchesella diversicincta* Stach (2397) p. 27; Yugoslavia.

Orchesella eocaena (Koch and Berendt, 1854) Handschin, 1926

1854. *Podura fuscata* Koch and Berendt (1188) p. ?; Bernstein.
1907. *Palpiger cucullatus* von Olfers (1506) p. 19, fig. 31; Bernstein.
1907. *Degeeria jubata* von Olfers (1506) p. 10, fig. 38; Bernstein.
1907. *Templetonia nitida* von Olfers (1506) p. 22, fig. 47; Bernstein.
1907. *Cremastocephalus trilobatus* von Olfers (1506) p. 23, fig. 54; Bernstein.
1907. *Tomocerus plumbeus* von Olfers (1506) p. 23, fig. 53; Bernstein.
1907. *Orchesella concolor* von Olfers (1506) p. 21, fig. 44; Bernstein.
1907. *Orchesella villosa* von Olfers (1506) p. 21, fig. 45; Bernstein.
1926. *Orchesella eocaena* Handschin (994) p. 221, fig. 8; Baltic Bernstein.
1926. *Podura fuscata* (Handlirsch, 1908) in Handschin (994) p. 221.

***Orchesella flavescens** (Bourlet) 1839

1788. *Podura rufescens* Wulfen (2219) p. 83; Habitats.
1793. *Podura rufescens* Gmelin (910) p. 2910; Europe.
1835. *Podura nigro-maculata* Templeton (1957) p. 94, Pl. 11, fig. 6; Ireland.
1836. *Degeeria variegata* Guerin and Percheron (950) p. ?; Paris.
1839. *Heterotoma flavescens* Bourlet (259) p. 395, Pl. I, fig. 1; Europe.
1841. *Aetheocerus dimidiata* Bourlet (261) p. 112; France.
1841. *Aetheocerus quinquefasciata* Bourlet (261) p. 111; France.
1841. *Aetheocerus rubrofasciata* Bourlet (261) p. 111; France.
1841. *Aetheocerus rufescens* Bourlet (261) pp. 108, 153, fig. 7; Europe.
1841. *Orchesella melanocephala* Nicolet (1493) p. 77, Pl. 9, fig. 1; Switzerland.
1843. *Aetheocerus cincta* Bourlet (265) p. 21; France.
1843. *Aetheocerus dimidiatus* Bourlet (265) p. 21; France.
1843. *Aetheocerus flavescens* Bourlet (265) p. 72; France.
1843. *Aetheocerus quinquefasciatus* Bourlet (265) p. 21; France.
1843. *Aetheocerus rubrofasciatus* Bourlet (265) p. 21; France.
1843. *Aetheocerus rufescens* Bourlet (265) p. 109, fig. 7; Europe.
1843. *Heterotoma flavescens* Bourlet (265) p. 19; Europe.
1844. *Degeeria variegata* Gervais (841) p. 423; Paris.
1844. *Heterotoma flavescens* Gervais (841) p. 418; France.
1844. *Orchesella dimidiata* Lucas (1327)p. 289; List of Records.
1844. *Orchesella rufescens* Lucas (1327) p. 288; List of Records.
1845. *Aetheocerus rufescens* Bourlet (266) pp. 4 and 67; Reference.
1847. *Orchesella dimidiata* Nicolet (1496) p. 367; France.

* Lubbock 1873 (1318) lists Bourlet's species *flavescens* as a synonym of *rufescens* a species which he ascribes to Linné. However, I cannot find any reference to a species *Podura rufescens* in either the 10th or 12th Editions of the Systema Naturae, and as Lubbock in fact queried his own entry I can offer no explanation as to how the species *rufescens* became attributed to Linné. Stach 1960 (2397) adopts the name *flavescens* for these species of *Orchesella* and it would seem that this name does take priority over the name *rufescens* of Lubbock. The name *rufescens* was associated with *Podura* in 1788 by both Gmelin (910) and Wulfen (2219) and it is probably correct to assume that these two investigators were referring to the same insect as Lubbock. Their descriptions however are very brief, and inadequate as a means to identify the insect. I consider that this is a case where usage should be the deciding factor in arriving at a decision for the correct naming of this species of *Orchesella*. Both the names *flavescens* and *rufescens* have been, more or less, in general use, but, as *flavescens* takes priority and is recognizable from Bourlet's figures, I adopt this name here.

1847. *Orchesella flavescens* Nicolet (1496) p. 365, Pl. 6, fig. 7; France.
1847. *Orchesella melanocephala* Nicolet (1496) p. 366; Switzerland.
1847. *Orchesella quinquefasciata* Nicolet (1496) p. 367; France.
1847. *Orchesella rubrofasciata* Nicolet (1496) p. 367; France.
1862. *Orchesella rufescens* Lubbock (1315) p. 592; Europe; Synonymy.
1869. *Orchesella rufescens* Porath (1608) p. 652; Scandinavia.
1871. *Orchesella rufescens* Tullberg (2002) p. 147; Sweden.
1871. *Orchesella spectabilis* partim Tullberg (2002) p. 147; Sweden.
1872. *Orchesella rufescens* Tullberg (2003) p. 43, Pl. VIII, figs. 8–14.
1873. *Orchesella rufescens* Lubbock (1318) p. 134; Description.
1873. *Degeeria variegata* Lubbock (1318) p. 165; Paris.
1876. *Orchesella melanocephala* Reuter (1630) p. 82; Finland.
1879. *Orchesella rufescens* Lubbock (1323) p. 44; Kent.
1883. *Orchesella rufescens* Reuter (1634) p. 75; Finland.
1888. *Orchesella rufescens* Oudemans (1511) p. 172; Anatomy.
1890. *Orchesella rufescens* Uzel (2050) p. 43; Discussion, Bohemia, Distribution.
1891. *Orchesella rufescens* Reuter (1639) p. 231.
1891. *Orchesella rufescens* Reuter (1641) p. 228; Siberia.
1891. *Orchesella rufescens* Schött (1762) p. 21; California.
1893. *Orchesella rufescens* Schött (1765) p. 55; Sweden; Norway.
1895. *Orchesella rufescens* Reuter (1643) p. 24; Finland; Sweden; Germany; Switzerland; France; Hungary.
1896. *Orchesella rufescens* Lie-Pettersen (1281) p. 17; Norway.
1897. *Orchesella rufescens* Poppe and Schaeffer (1607) p. 269; Germany.
1897. *Orchesella rufescens* Schäffer (1735) p. 191; Germany.
1898. *Orchesella rufescens* Scherbakow (1750) p. 59; Kiev, Russia.
1899. *Orchesella rufescens* Carl (351) p. 2; France; Sweden.
1899. *Orchesella rufescens* Carl (352) p. 325, Pl. 9, fig. 52.
1900. *Orchesella rufescens* Schäffer (1738) p. 249; N.W. Siberia; North and Mid Europe; California; Distribution.
1900. *Orchesella rufescens* Schäffer (1739) p. 268; Germany.
1900. *Orchesella rufescens* Vellay (2056) p. 20; Hungary.
1901. *Orchesella rufescens* Börner (234) p. 66; Central Europe.
1901. *Orchesella rufescens* Carl (354) p. 264; Switzerland.
1901. *Orchesella rufescens* Krausbauer (1204) p. 72; Germany.
1901. *Orchesella rufescens* Lie-Pettersen (2382) p. 205.
1902. *Orchesella rufescens* Becker (158) p. 29; Russia.
1903. *Orchesella flavescens* Ågren (55) p. 149; Synonymy, Sweden.
1903. *Orchesella rufescens* Diem (688) p. 358; Ecology.
1904. *Orchesella rufescens* Axelson (79) p. 75; Norway.
1904. *Orchesella rufescens* Hoffman (1069) p. 94; Physiology.
1905. *Orchesella flavescens* Axelson (81) p. 36; Tvärminne, Finland.
1905. *Orchesella rufescens* Axelson (81) p. 35. = *O. flavescens.*
1906. *Orchesella flavescens* Axelson (82) p. 19; Russia.
1906. *Orchesella flavescens* Wahlgren (2080) p. 258; Sweden.
1907. *Orchesella flavescens* Axelson (83) p. 131; Finland.
1907. *Orchesella flavescens* Axelson (84) p. 7; North Finland.
1907. *Orchesella flavescens* Wahlgren (2082) p. 225; Torne lappmark.
1908. *Orchesella rufescens* Bagnall (100) p. 82; Britain.
1908. *Orchesella rufescens* Schille (1755) p. 9; Poland.
1910. *Orchesella rufescens* Bagnall (102) p. 504; Britain.
1911. *Orchesella flavescens* Axelson (1291) p. 21; Norway.
1912. *Orchesella flavescens* Axelson (1292) p. 238; Finland.
1912. *Orchesella rufescens* Dahl (496) p. 423; Ecology.
1912. *Orchesella rufescens* Schille (1756) p. 10; Galizien.
1912. *Orchesella rufescens* Schille (2394) p. 127; Poland.
1914. *Orchesella flavescens* Shoebotham (1820) p. 66; Ireland; England.
1915. *Orchesella rufescens* Ionesco (1105) p. 223; Roumania.
1916. *Orchesella flavescens* Bartholin (149) p. 198; Denmark.
1916. *Orchesella rufescens* Carr (407) p. 65; England.
1916. *Orchesella flavescens* Ionesco (1106) p. 479, fig. 2 (4–5); Roumania.
1916. *Orchesella rufescens* Ionesco (1106) p. 477; Roumania.
1918. *Orchesella rufescens* Brown (296) p. 186; England.
1918. *Orchesella rufescens* Vellay (2058) p. 20; Hungary.
1919. *Orchesella flavescens* Wahlgren (2089) p. 751; Sweden.
1920. *Orchesella rufescens* Ionesco (1107) p. 12; Roumania.
1920. *Orchesella flavescens* Stach (1859) p. 194; Poland.
1921. *Orchesella flavescens* Denis (607) p. 131; France.
1922. *Orchesella flavescens* Latzel (1250) p. 70; Austria.
1922. *Orchesella rufescens* Latzel (1250) p. 70; Ostalpen and Karstes.
1923. *Orchesella flavescens* Stach (1863) p. 14; Taxonomy.
1923. *Orchesella flavescens* Womersley (2147) p. 35; S.W. England.
1924. *Orchesella flavescens* Denis (614) p. 293; France.
1924. *Orchesella flavescens* Handschin (981) p. 143; Switzerland.
1924. *Orchesella flavescens* Handschin (984) p. 173; Hochmoor Estland.
1925. *Orchesella flavescens* Handschin (986) p. 234; Germany; Europe; Siberia; North America.
1925. *Orchesella flavescens* Womersley (2148) p. 170; S.W. England.
1926. *Orchesella flavescens* Womersley (2153) p. 220; S.W. England.
1927. *Orchesella flavescens* Handschin (999) p. 298; Westfalian peat-bogs.
1928. *Orchesella flavescens* Handschin (1003) p. 131; East Prussia.
1928. *Orchesella flavescens* Womersley (2154) p. 378; S.W. England.

1929. *Orchesella flavescens* Handschin (1008) p. 95, figs. 174–176; North and Mid Europe; North America.
1930. *Orchesella flavescens* Buitendijk (334) p. 69; Holland.
1930. *Orchesella flavescens* Kel'shtein (1161) p. 77; Russia.
1930. *Orchesella rufescens* Kel'shtein (1161) p. 77; Russia.
1930. *Orchesella flavescens* Stach (1869) p. 305; Europe; North America; Siberia.
1931. *Orchesella flavescens* Bonet (205) p. 387; Czechoslovakia, in caves.
1931. *Orchesella flavescens pallida* Bonet (205) p. 349 (nov. syn.); Spain.
1931. *Orchesella flavescens* Denis (639) p. 230; Germany.
1932. *Orchesella kervillei* Denis (641) p. 378, fig. VIII; France.
1932. *Orchesella flavescens* Krogerns (2120) p. 93; Finland.
1932. *Orchesella flavescens* Stach (1871) p. 274; Germany.
1933. *Orchesella flavescens* Schubert (1787) p. 184; Ecology.
1933. *Orchesella flavescens* Schubert (1789) p. 1; Germany.
1933. *Orchesella flavescens* Turk (2007) p. 94; Britain.
1934. *Orchesella flavescens* Agrell (37) p. 232; Ecology, Sweden.
1934. *Orchesella flavescens* Durkop (707) p. 508; Germany.
1934. *Orchesella rufescens* Perrier (1576) p. 38; France.
1935. *Orchesella flavescens* Schubert (1790) p. 94–; Europe.
1935. *Orchesella flavescens* Schubert (1791) pp. 107–, 198–, 230–, 366–; Germany; Poland.
1936. *Orchesella flavescens* Bornebusch (226) p. 39, fig. 12; Denmark.
1937. *Orchesella flavescens* Frenzel (828) p. 296; Ecology.
1937. *Orchesella flavescens* Kseneman (1217) p. 472; Carpathians.
1937. *Orchesella flavescens* Schubert (1792) p. 128; Palaearctic, Nearctic.
1938. *Orchesella flavescens* Denis (665) p. 152; Italy.
1938. *Orchesella flavescens* Kseneman (1220) p. 20; Europe.
1941. *Orchesella flavescens* Buitendijk (336) p. 69; Netherlands; Nth. and Mid Europe; Nth. America.
1941. *Orchesella flavescens* Szent-Ivany (1947) p. 24; Hungary.
1942. *Orchesella kervillei* Bonet (211) p. 56; Pyrenees, Synonymy.
1942. *Orchesella flavescens* Marlier (1375) p. 10; Belgium.
1942. *Orchesella flavescens* Tahvonen (1949) p. 205–; Finland.
1943. *Orchesella flavescens* Agrell (47) p. 126; Sweden.
1943. *Orchesella flavescens* Gisin (853) p. 173; Switzerland.
1945. *Orchesella flavescens* Agrell (50) p. 10; Sweden, mouse nests.
1948. *Orchesella flavescens* Handschin (1017) p. 154.
1949. *Orchesella flavescens* Schaller (1742) p. 268; Germany, Ecology.
1950. *Orchesella flavescens* Lindenmann (1285) p. 409, figs. 17–18; Juvenile phase, variability, Switzerland.
1951. *Orchesella kervillei* Cassagnau and Delamare Deboutteville (593) p. 2; Mid France.
1951. *Orchesella rufescens* Cassagnau and Delamare Deboutteville (425) p. 2; France.
1951. *Orchesella flavescens* Praport (1610) p. 144; Poland.
1951. *Orchesella flavescens* Schaller (1746) p. 464; Germany, Ecology.
1955. *Orchesella flavescens* Stach (1893) p. 171, fig. 513; Holarctic.
1956. *Orchesella flavescens* Bockemuhl (193) p. 145; Spitzbergen.
1957. *Orchesella flavescens* Mayer (1390) p. 503–; Biology.
1958. *Orchesella flavescens* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella flavescens* Grindbergs (2277) p. 201; Latvia.
1958. *Orchesella flavescens* Holler-Land (2283) p. 110; Ecology.
1958. *Orchesella flavescens* Kholova (1169) p. 235; Bohemia.
1958. *Orchesella flavescens* Nosek (1503) p. 357; Czechoslovakia.
1958. *Orchesella flavescens* von Torne (1993) p. 669; Austria.
1959. *Orchesella flavescens* Haybach (2375) Tab. VIII; Ecology.
1959. *Orchesella flavescens* Paclt (2317) p. 342; Europe.
1959. *Orchesella flavescens* Poole (1604) p. 72–; Food of Collembola.
1959. *Orchesella flavescens* Stach (1896) p. 42; Poland.
1960. *Orchesella flavescens* Gisin (2271) p. 226, fig. 50; Lapland; France.
1960. *Orchesella flavescens* Grindbergs (2373) p. 49; U.S.S.R.
1960. *Orchesella flavescens* Stach (2397) p. 36, Pl. V, fig. 5; Poland.
1960. *Orchesella kervillei* Stach (2397) p. 16; France.
1960. *Orchesella rufescens* Carl, 1899. Stach (2397) p. 39; *forma principalis.*
1960. *Orchesella rufescens* Tullberg, 1872. Stach (2397) p. 39; *forma principalis.*

Orchesella flavescens crassicornis (Vogler) 1896

1896. *Orchesella crassicornis* Vogler (2065) p. 153, figs. 11, 12; Switzerland.
1960. *Orchesella flavescens crassicornis* Stach (2397) p. 49; Taxonomy.

Orchesella flavescens distincta (Carl) 1900

1900. *Orchesella rufescens distincta* Carl (353) p. 3; Roumania.

Orchesella flavescens fastuosa (Nicolet) 1842

1838. *Podura succincta* Guerin (949) p. 10; in part, Paris.
1842. *Orchesella fastuosa* Nicolet (1493) p. 78, Pl. IX, fig. 3; Switzerland.
1843. *Aetheocerus pulchricornis* Bourlet (265) p. 22; Europe.
1843. *Heterotoma pulchricornis* Bourlet (265) p. 21; Europe.
1843. *Heterotoma vaga* (var.) Bourlet (265) p. 22; Europe.
1844. *Orchesella fastuosa* Gervais (841) p. 414; Switzerland.
1844. *Orchesella fastuosa* Lucas (1327) p. 290; Reference only.
1845. *Orchesella fastuosa* Bourlet (266) p. 68; Europe.
1846. *Orchesella fastuosa* Nicolet (1496) p. 364; Switzerland; France.
1847. *Orchesella fastuosa* Nicolet (1496) p. 364; France; Switzerland.
1849. *Orchesella fastuosa* Lucas (1329) p. 377; Algeria.
1862. *Orchesella fastuosa* Lubbock (1315) p. 591; England.

1869. *Orchesella fastuosa* Porath (1608) p. 652; Scandinavia.
1887. *Orchesella fastuosa* Oudemans (1510) p. 67; Anatomy.
1888. *Orchesella fastuosa* Oudemans (1511) p. 198; Physiology.
1916. *Orchesella rufescens fastuosa* Ionesco (1106) p. 482; Roumania.
1920. *Orchesella rufescens fastuosa* Ionesco (1107) p. 16; Roumania.
1934. *Orchesella cincta fastuosa* Durkop (707) p. 508; Germany.
1960. *Orchesella spectabilis fastuosa* Stach (2397) p. 49; Taxonomy.

Orchesella flavescens intermedia (Skorikow) 1899

1899. *Orchesella rufescens intermedia* Skorikow (1830) p. 398; Russia.

Orchesella flavescens lateralis Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella flavescens lateralis* Stach (2397) p. 42, Pl. V, fig. 6; Europe.

Orchesella flavescens medialis Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella flavescens medialis* Stach (2397) p. 42, Pl. V, fig. 4; Poland.

Orchesella flavescens melanocephala (Nicolet) 1842

1842. *Orchesella melanocephala* Nicolet (1493) p. 77, Pl. 9, fig. 1; Switzerland.
1844. *Orchesella melanocephala* Gervais (841) p. 414; Switzerland.
1844. *Orchesella melanocephala* Lucas (1327) p. 287; Reference only.
1845. *Orchesella melanocephala* Bourlet (266) p. 68; Europe.
1847. *Orchesella melanocephala* Nicolet (1496) p. 366; Switzerland.
1869. *Orchesella melanocephala* Porath (1608) p. 652; Scandinavia.
1870. *Orchesella melanocephala* Lubbock (1317) p. 280; Switzerland.
1876. *Orchesella melanocephala* Reuter (1630) p. 82; Finland.
1891. *Orchesella melanocephala* Reuter (1639) p. 232.
1894. *Orchesella melanocephala* Moniez (1452) p. 209; Germany.
1895. *Orchesella rufescens melanocephala* Reuter (1643) p. 24; Finland.
1896. *Orchesella rufescens melanocephala* Schäffer (1735) p. 190; Germany.
1897. *Orchesella rufescens melanocephala* Poppe and Schäffer (1607) p. 269; Germany.
1898. *Orchesella rufescens melanocephala* Scherbakow (1750) p. 59; Kiev.
1898. *Orchesella rufescens melanocephala* Scherbakow (1751) p. 13; Kiev.
1899. *Orchesella rufescens melanocephala* Carl (352) p. 326; Switzerland.
1900. *Orchesella rufescens melanocephala* Schäffer (1739) p. 268; Germany.
1901. *Orchesella rufescens melanocephala* Börner (234) p. 66; Central Europe.
1901. *Orchesella rufescens melanocephala* Krausbauer (1204) p. 72; Germany.
1902. *Orchesella rufescens melanocephala* Becker (158) p. 29; Russia.
1903. *Orchesella flavescens melanocephala* Ågren (55) p. 151; Sweden.
1904. *Orchesella rufescens melanocephala* Axelson (79) p. 75; Norway.
1905. *Orchesella flavescens melanocephala* Axelson (81) p. 36; Finland.
1905. *Orchesella rufescens melanocephala* Becker (160) p. 94; Ukraine.
1905. *Orchesella rufescens melanocephala* Philiptschenko (1586) p. 5; Russia.
1906. *Orchesella flavescens melanocephala* Axelson (82) p. 19; Russia.
1906. *Orchesella flavescens melanocephala* Wahlgren (2080) p. 233–; Sweden.
1907. *Orchesella flavescens melanocephala* Axelson (83) p. 131; Finland.
1908. *Orchesella rufescens melanocephala* Schille (1755) p. 9; Poland.
1912. *Orchesella flavescens melanocephala* Axelson (1292) p. 240; Finland; Taxonomy.
1912. *Orchesella rufescens melanocephala* Schille (1756) p. 10; Galizien.
1912. *Orchesella rufescens melanocephala* Schille (2394) p. 128; Poland.
1916. *Orchesella rufescens melanocephala* Ionesco (1106) p. 481; Rumania.
1920. *Orchesella rufescens melanocephala* Ionesco (1107) p. 15; Roumania.
1920. *Orchesella flavescens melanocephala* Stach (1859) p. 195; Poland; Europe; Siberia; North America.
1924. *Orchesella flavescens melanocephala* Handschin (981) p. 143; Switzerland.
1928. *Orchesella flavescens melanocephala* Handschin (1002) p. 132; East Prussia.
1930. *Orchesella flavescens melanocephala* Buitendijk (334) p. 70; Holland.
1930. *Orchesella flavescens melanocephala* Stach (1869) p. 305; Europe; Siberia; North America.
1931. *Orchesella rufescens melanocephala* Boizowa (2357) p. 123; Ecology.
1933. *Orchesella flavescens melanocephala* Schubert (1787) p. 187; Ecology.
1933. *Orchesella flavescens melanocephala* Schubert (1789) p. 2; Germany.
1935. *Orchesella flavescens melanocephala* Schubert (1790) p. 94–; Europe.
1935. *Orchesella flavescens melanocephala* Schubert (1791) pp. 106–, 199–, 230, 366–; Germany.
1937. *Orchesella flavescens melanocephala* Kseneman (1217) p. 472; Carpathians.
1938. *Orchesella flavescens melanocephala* Szent-Ivany (1944) p. 92; Europe.
1940. *Orchesella flavescens melanocephala* Szent-Ivany (1945) p. 120; Hungary.
1941. *Orchesella flavescens melanocephala* Buitendijk (336) p. 69; Netherlands.
1941. *Orchesella flavescens melanocephala* Szent-Ivany (1947) p. 24; Hungary.
1943. *Orchesella flavescens melanocephala* Gisin (853) p. 173; Switzerland.
1948. *Orchesella flavescens melanocephala* Handschin (1017) p. 154.
1949. *Orchesella flavescens melanocephala* Strenzke (1922) p. 208; Germany.
1951. *Orchesella flavescens melanocephala* Praport (1610) p. 144; Poland.
1956. *Orchesella flavescens melanocephala* Bockemuhl (193) p. 145; Spitzbergen.
1958. *Orchesella flavescens melanocephala* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella flavescens melanocephala* Grindbergs (2277) p. 201; Latvia.
1958. *Orchesella flavescens melanocephala* von Torne (1993) p. 669; Austria.
1960. *Orchesella flavescens melanocephala* Stach (2397) p. 40, Pl. V, figs. 2, 3; Poland.

Orchesella flavescens norica (Latzel) 1922

1922. *Orchesella rufescens norica* Latzel (1250) p. 70; Austria.
1960. *Orchesella flavescens norica* Stach (2397) p. 49; same as principal form.

Orchesella flavescens pallida (Reuter) 1895

1843. *Aetheocerus dimidiatus* Bourlet (265) p. 1–; Europe.
1843. *Aetheocerus rubrofasciatus* Bourlet (265) p. 1–; Europe.
1843. *Aetheocerus quinquefasciatus* Bourlet (265) p. 1–; Europe.
1895. *Orchesella rufescens pallida* Reuter (1643) p. 25; Finland.
1896. *Orchesella rufescens pallida* Schäffer (1735) p. 191; Germany.
1897. *Orchesella rufescens pallida* Poppe and Schäffer (1607) p. 269; Germany.
1898. *Orchesella rufescens pallida* Scherbakow (1750) p. 59; Kiev.
1899. *Orchesella rufescens pallida* Carl (351) p. 2; Switzerland.
1899. *Orchesella rufescens pallida* Carl (352) p. 326, Pl. 9, figs. 49–51; Switzerland.
1898. *Orchesella rufescens pallida* Scherbakow (1750) p. 59; Kiev, Russia.
1900. *Orchesella rufescens pallida* Carl (353) p. 3; Roumania.
1900. *Orchesella rufescens pallida* Schäffer (1739) p. 268; Germany.
1901. *Orchesella rufescens pallida* Börner (234) p. 66; Central Europe.
1901. *Orchesella rufescens pallida* Carl (354) p. 265; Switzerland.
1901. *Orchesella rufescens pallida* Krausbauer (1204) p. 72; Germany.
1902. *Orchesella rufescens pallida* Börner (237) p. 224, fig. 13; Morphology.
1902. *Orchesella rufescens pallida* Becker (158) p. 29; Russia.
1903. *Orchesella flavescens pallida* Ågren (55) p. 151; Sweden.
1903. *Orchesella rufescens pallida* Diem (688) p. 131; Alps.
1904. *Orchesella flavescens pallida* Ågren (56) p. 21; Lapland.
1904. *Orchesella rufescens pallida* Axelson (79) p. 75; Norway.
1905. *Orchesella rufescens pallida* Becker (160) p. 94; Russia.
1905. *Orchesella rufescens pallida* Philiptschenko (1586) p. 5; Russia.
1907. *Orchesella flavescens pallida* Axelson (83) p. 131; Finland.
1907. *Orchesella flavescens pallida* Wahlgren (2080) p. 225; Scandinavia.
1908. *Orchesella rufescens pallida* Schille (1755) p. 9; Poland.
1912. *Orchesella flavescens pallida* Axelson (1292) p. 238; Finland.
1912. *Orchesella rufescens pallida* Schille (2394) p. 128; Poland.
1916. *Orchesella rufescens pallida* Ionesco (1106) p. 480; Rumania.
1916. *Orchesella rufescens pontica* Ionesco (1106) p. 481, Pl. VI, fig. 5; Roumania.
1920. *Orchesella rufescens pallida* Ionesco (1107) p. 14; Roumania.
1920. *Orchesella rufescens pontica* Ionesco (1107) p. 16; Roumania.
1920. *Orchesella flavescens pallida* Stach (1859) p. 194; Poland.
1922. *Orchesella rufescena pallida* Latzel (1250) p. 70; Ostalpen and Karstes.
1923. *Orchesella flavescens pallida* Stach (1863) p. 14; Germany.
1924. *Orchesella flavescens pallida* Handschin (981) p. 143; Switzerland.
1926. *Orchesella flavescens pallida* Womersley (2153) p. 220; S.W. England.
1928. *Orchesella flavescens pallida* Handschin (1003) p. 132; East Prussia.
1930. *Orchesella flavescens pallida* Buitendijk (334) p. 69; Holland.
1930. *Orchesella flavescens pallida* Stach (1869) p. 305; Cosmopolitan.
1931. *Orchesella rufescens pallida* Boizowa (2357) p. 123; Ecology.
1931. *Orchesella flavescens pallida* Bonet (205) pp. 349, 387; Spain; Czechoslovakia; in caves.
1932. *Orchesella flavescens pallida* Stach (1871) p. 274; Germany.
1933. *Orchesella flavescens pallida* Schubert (1787) p. 184; Ecology.
1933. *Orchesella flavescens pallida* Schubert (1789) p. 1; Germany.
1933. *Orchesella flavescens pallida* Turk (2007) p. 94; Britain.
1934. *Orchesella rufescens pallida* Perrier (1576) p. 38; France.
1935. *Orchesella flavescens pallida* Schubert (1790) p. 94–; Europe.
1935. *Orchesella flavescens pallida* Schubert (1791) p. 106–, p. 198–, p. 233, p. 366–; Germany; Czechoslovakia.
1937. *Orchesella flavescens pallida* Frenzel (828) p. 305; Ecology.
1937. *Orchesella flavescens pallida* Kseneman (1217) p. 472; Carpathians.
1938. *Orchesella flavescens pallida* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Orchesella flavescens pallida* Kseneman (1220) p. 20; Europe; America.
1940. *Orchesella flavescens pallida* Szent-Ivany (1945) p. 120; Hungary.
1941. *Orchesella flavescens pallida* Buitendijk (336) p. 69; Netherlands.
1941. *Orchesella flavescens pallida* Szent-Ivany (1947) p. 24; Hungary.
1943. *Orchesella flavescens pallida* Gisin (853) p. 173; Switzerland.
1948. *Orchesella flavescens pallida* Handschin (1017) p. 154.
1949. *Orchesella flavescens pallida* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Orchesella flavescens pallida* Praport (1610) p. 144; Poland.
1955. *Orchesella flavescens pallida* Stach (1893) p. 171, fig. 514; Europe.
1956. *Orchesella flavescens pallida* Stevanovic (1903) p. 4–; Yugoslavia.
1958. *Orchesella flavescens pallida* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella flavescens pallida* Grindbergs (2277) p. 201; Latvia.
1958. *Orchesella flavescens pallida* Nosek (1503) p. 357; Czechoslovakia.
1958. *Orchesella flavescens pallida* von Torne (1993) p. 669; Austria.
1960. *Orchesella flavescens pallida* Stach (2397) p. 41, Pl. V, fig. 1; Poland.
1960. *Orchesella flavescens pontica* Stach (2397) p. 49; taxonomy.

Orchesella flavescens pontica (Ionescu) 1916

1916. *Orchesella rufescens pontica* Ionesco (1106) p. 481, Pl. VI, fig. 5; Roumania.
1920. *Orchesella rufescens pontica* Ionesco (1107) p. 16; Roumania.
1960. *Orchesella flavescens pontica* Stach (2397) p. 49; Taxonomy.

Orchesella flavescens pulchra (Scherbakow) 1898

1898. *Orchesella rufescens pulchra* Scherbakow (1750) p. 65; Kiev.
1960. *Orchesella rufescens pulchra* Grindbergs (2373) p. 64; U.S.S.R.
1960. *Orchesella flavescens pulchra* Stach (2397) p. 49; Taxonomy.

Orchesella flavescens quinquelineata Stach, 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Orchesella flavescens quinquelineata* Stach (1869) p. 305; Hungary.

Orchesella flavescens silvatica (Skorikow) 1899

1899. *Orchesella rufescens silvatica* Skorikow (1830) p. 385; Russia.
1960. *Orchesella rufescens silvatica* Grindbergs (2373) p. 64; U.S.S.R.

Orchesella flavescens silvestris (Skorikow) 1899

1899. *Orchesella rufescens silvestris* Skorikow (1830) p. 396; Russia.
1902. *Orchesella rufescens silvestris* Skorikow (1834) p. 157; Development.
1960. *Orchesella rufescens silvestris* Grindbergs (2373) p. 65; U.S.S.R.

Orchesella flavescens spectabilis (Schäffer) 1896

1896. *Orchesella rufescens spectabilis* Schäffer (1735) p. 190; Germany.
1898. *Orchesella rufescens spectabilis* Scherbakow (1750) p. 59; Kiev, Russia.
1908. *Orchesella rufescens spectabilis* Schille (1755) p. 9; Poland.
1912. *Orchesella rufescens spectabilis* Schille (2394) p. 128; Poland.
1916. *Orchesella rufescens spectabilis* Ionesco (1106) p. 481; Roumania.
1920. *Orchesella rufescens spectabilis* Ionesco (1107) p. 15; Roumania.
1960. *Orchesella flavescens spectabilis* Stach (2397) p. 49; good species, *O. spectabilis?*

Orchesella flavescens triangulimaculata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella flavescens triangulimaculata* Stach (2397) p. 46, Pl. VI, figs. 1–7; Poland; Ukraine.

Orchesella flavescens triarea (Latzel) 1922

1922. *Orchesella rufescens triarea* Latzel (1250) p. 70; Austria.
1958. *Orchesella flavescens triarea* von Torne (1993) p. 669; Austria.
1960. *Orchesella flavescens triarea* Stach (2397) p. 49; = principal form?

Orchesella flavopicta Packard, 1873

TYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1873. *Orchesella flavopicta* Packard (1521) p. 41; Massachusetts.
1891. *Orchesella flavopicta* MacGillivray (1341) p. 271; Massachusetts; Tennesee; New York; Long I.
1909. *Orchesella flavopicta* Dow and Smith (692) p. 35; New Jersey.

Orchesella filicornis Templeton, 1835

1835. *Orchesella filicornis* Templeton (1957) p. 93, Pl. XI, fig. 2; Ireland.
1839. *Heterotoma pulchricornis* Bourlet (259) p. 397; Europe.
1839. *Orchesella filicornis* Burmeister (339) p. 450; Europe.
1840. *Orchesella filicornis* Lucas (1326) p. 562; Cranmore, Ireland.
1841. *Aetheocerus pulchricornis* Bourlet (261) p. 22, fig. 8; Europe.
1841. *Orchesella filicornis* Bourlet (261) p. 159; Europe.
1842. *Orchesella filicornis* Bourlet (265) p. 66; Europe.
1844. *Orchesella filicornis* Gervais (841) p. 413; Ireland.
1844. *Orchesella filicornis* Lucas (1327) p. 288; Synonymy; Records.
1847. *Orchesella filicornis* Nicolet (1496) p. 364; Ireland; Synonymy.
1862. *Orchesella filicornis* Lubbock (1315) p. 591; England.

Orchesella folsomi Maynard, 1933

TYPE: U.S. Nat. Mus., Wash. D.C., U.S.A.
1933. *Orchesella folsomi* Maynard (1392) p 102; Nth. America.
1933. *Orchesella folsomi* James (1124) p. 102; Canada.
1951. *Orchesella folsomi* Maynard (1393) p. 190, Pl. I, fig. 26, Pl. XX, figs. 334–337; New York.
1960. *Orchesella folsomi* Stach (2397) p. 12; U.S.A.; Canada.

Orchesella frontimaculata Gisin, 1946

TYPE: Mus. Hist. Natur., Geneva.
1946. *Orchesella frontimaculata* Gisin (857) p. 220, fig. 1; Switzerland.
1960. *Orchesella frontimaculata* Gisin (2271) p. 227, fig. 414; Alps, Switzerland, Austria.
1960. *Orchesella frontimaculata* Stach (2397) p. 11; Swiss Alps.

Orchesella hexfasciata (Harvey) 1896

1896. *Entomobrya hexfasciata* Harvey (1032) p. 196, fig. 1; Maine.
1928. *Entomobrya hexfasciata* Folsom (800) p. 11–; New York.
1933. *Orchesella hexfasciata* James (1124) p. 102; Canada.
1934. *Entomobrya hexfasciata* Bonet (209) p. 168, Pl. XV, fig. 59; U.S.A.
1934. *Orchesella hexfasciata* Mills (1417) p. 79, fig. 131; Iowa.
1939. *Entomobrya hexfasciata* Bueker (332) p. 16, figs. 53–56; St Louis, U.S.A.
1942. *Entomobrya hexfasciata* Brimley (276) p. 4; Nth. Carolina.
1951. *Orchesella hexfasciata* Maynard (1393) p. 187, Pl. XX, 328–332; New York.
1954. *Orchesella hexfasciata* Bellinger (174) p. 25–; Connecticut.
1960. *Orchesella hexfasciata* Stach (2397) p. 33; U.S.A.; Canada.

Orchesella hungarica Stach, 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Orchesella hungarica* Stach (1869) p. 306; Hungary.
1960. *Orchesella hungarica* Stach (2397) p. 102, Pl. XVII, figs. 2–3; Hungary.

Orchesella irregularilineata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella irregularilineata* Stach (2397) p. 75, Pl. X, figs. 1–3; Caucasus.

Orchesella jonescoi Denis, 1926

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1926. *Orchesella jonescoi* Denis (626) p. 13; Italy.
1927. *Orchesella jonescoi* Denis (629) p. 199, figs. 50, 51; Italy.
1929. *Orchesella jonescoi* Denis (635) p. 136; Italy.
1960. *Orchesella ionescoi* Gisin (2271) p. 230, fig. 424; Italy.
1960. *Orchesella jonescoi* Stach (2397) p. 25; Italy.

Orchesella jurassica Lindenmann, 1950

TYPE: Basler Natur. Hist. Mus., Basle, Switzerland.
1950. *Orchesella jurassica* Lindenmann (1285) p. 402, fig. 11; Switzerland.
1960. *Orchesella jurassica* Gisin (2271) p. 232, fig. 431; Switzerland.
1960. *Orchesella jurassica* Stach (2397) p. 29; Switzerland.

Orchesella leucocephala Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Orchesella leucocephala* Stach (1861) p. 132, Pl. X, figs. 1, 2; Albania.
1935. *Orchesella leucocephala* Denis (652) p. 331; Albania.
1960. *Orchesella leucocephala* Gisin (2271) p. 230, fig. 423; Albania.
1960. *Orchesella leucocephala* Stach (2397) p. 111, Pl. VIII, fig. 1; Albania.

Orchesella lineata Brown, 1926

1926. *Orchesella lineata* Brown (305) p. 214, fig. 28; Mesopotamia.
1942. *Orchesella lineata* Handschin (1012) p. 430, fig. 8; Mesopotamia; Palestine.
1960. *Orchesella lineata* Stach (2397) p. 22; Mesopotamia.

Orchesella lineata palestinensis Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella lineata palestinensis* Stach (2397) p. 22; Palestine.

Orchesella litoralis Brown, 1925

LECTOTYPE: Brit. Mus. Nat. Hist., London.
1925. *Orchesella litoralis* Brown (304) p. 155, Pl. IX; England.
1926. *Orchesella litoralis* Brown (307) p. 334; England.
1955. *Orchesella litoralis* Strenzke (1926) p. 48; England.
1960. *Orchesella litoralis* Stach (2397) p. 15; England.

Orchesella longifasciata Stach, 1945, in litt.

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1960. *Orchesella longifasciata* Stach (2397) p. 77, Pl. XII, figs. 2–3; East Alps, Europe.

Orchesella lucasi Denis, 1925

1925. *Orchesella lucasi* Denis (621) p. 270, figs. 109–112; Algeria.
1928. *Orchesella lucasi* Handschin (1005) p. 7; Algeria.
1934. *Orchesella lucasi* Womersley (2177) p. 472; Sierra Leone.
1960. *Orchesella lucasi* Stach (2397) p. 31; Algeria.

Orchesella luteoviridis Stach, 1959

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1959. *Orchesella luteoviridis* Stach (1896) p. 42; Poland.

Orchesella maculosa Ionesco, 1915

1915. *Orchesella maculosa* Ionesco (1105) p. 224; Roumania.
1916. *Orchesella maculosa* Ionesco (1106) p. 486, Pl. VI, figs. 9, 10, T. figs. 7, 8; Roumania.
1920. *Orchesella maculosa* Ionesco (1107) p. 19, Pl. I, fig. 9, T. figs. 7, 8; Roumania.
1960. *Orchesella maculosa* Gisin (2271) p. 230, fig. 425; Roumania.
1960. *Orchesella macolosa* Stach (2397) p. 85, Pl. XI, figs. 2–3; Ukraine.

Orchesella maledicta Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Orchesella maledicta* Denis (637) p. 13, fig. 15; Italy.
1931. *Orchesella maledicta* Denis (640) p. 83; Preliminary note.
1960. *Orchesella maledicta* Gisin (2271) p. 231, fig. 428; Italy.
1960. *Orchesella maledicta* Stach (2397) p. 13; Italy.

Orchesella mauretanica Lucas, 1846

1846. *Orchesella Mauretanica* Linné, Lucas (1328) p. 255; Algeria.
1847. *Orchesella mauretanica* Nicolet (1496) p. 367; Algeria.
1849. *Orchesella mauretanica* Lucas (1329) p. 377; Algeria.
1873. *Orchesella mauritanica* Lubbock (1318) p. 136; Algeria.
1934. *Orchesella mauretanica* Womersley (2177) p. 472; Sierra Leone.

Orchesella melitensis Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella melitensis* Stach (2397) p. 30, Pl. XV, figs. 6–8; Malta.

Orchesella montana Stach, 1937, in litt.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1937. *Orchesella montana* Drenowski (695) p. 3; Bulgaria.
1960. *Orchesella montana* Stach (2397) p. 136, Pl. XXII, figs. 2–5; Bulgaria.

Orchesella montana anterolineata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella montana anterolineata* Stach (2397) p. 34, Pl. XXII, fig. 3; Bulgaria.

Orchesella montana nigrescens Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella montana nigrescens* Stach (2397) p. 137, Pl. XXII, fig. 5; Bulgaria.

Orchesella multifasciata Scherbakow (1898)

1898. *Orchesella multifasciata* Scherbakow (1750) p. 65; Kiev.
1902. *Orchesella multifasciata* Skorikow (1834) p. 156; Life history.
1923. *Orchesella multifasciata* Stach (1863) p. 14; Germany.
1930. *Orchesella multifasciata* Kel'shtein (1161) p. 77; Russia.
1930. *Orchesella multifasciata* Stach (1869) p. 306; Russia; Poland; Rumania; Vienna.
1937. *Orchesella multifasciata* Drenowski (695) p. 4; Bulgaria.
1938. *Orchesella multifasciata* Kseneman (1220) p. 20; Europe.
1951. *Orchesella multifasciata* Praport (1610) p. 144; Poland.
1955. *Orchesella multifasciata* Stach (1893) p. 169, fig. 503; Europe.
1959. *Orchesella multifasciata* Paclt (2317) p. 342; Czechoslovakia.
1960. *Orchesella multifasciata* Grindbergs (2373) p. 50; U.S.S.R.

1960. *Orchesella multifasciata* Stach (2397) p. 92, Pl. XIV, figs. 1–4; Poland.

Orchesella multifasciata incompleta Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella multifasciata incompleta* Stach (2397) p. 94, Pl. XIV, fig. 1; Slovakia.

Orchesella multifasciata obscura Stach. 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella multifasciata obscura* Stach (2397) p. 95, Pl. XIV, fig. 3; Poland; Ukraine; Balkans: Slovakia; Austria.

Orchesella multifasciata turcestanica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella multifasciata turcestanica* Stach (2397) p. 96, Pl. XIV, fig. 4; Turkestan.

Orchesella musci (Bourlet) 1839

1839. *Heterotoma musci* Bourlet (259) p. 397; Europe.
1844. *Orchesella musci* Gervais (841) p. 420; France.
1844. *Orchesella musci* Lucas (1327) p. 289; References.

Orchesella nigrescens Latzel, 1917

1917. *Orchesella nigrescens* Latzel (1249) p. 248; Austria.
1922. *Orchesella nigrescens* Latzel (1250) p. 72; Ostalpen and Karstes.
1960. *Orchesella nigrescens* Stach (2397) p. 23; Carinthia.

Orchesella orientalis Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella orientalis* Stach (2397) p. 72, Pl. X, figs. 4–5; West Ukraine.

Orchesella pallens Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.

1951. *Orchesella pallens* Maynard (1393) p. 186, Pl. XX, figs. 338–342; New York.
1960. *Orchesella pallens* Stach (2397) p. 10; New York.

Orchesella pannonica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella pannonica* Stach (2397) p. 59, Pl. IX, figs. 4–5; Hungary.

Orchesella pontica (Ionesco) 1915

1915. *Orchesella rufescens pontica* Ionesco (1106) p. 481, Pl. VI, fig. 5; Roumania.
1937. *Orchesella pontica* Drenowski (695) p. 4; Bulgaria.
1960. *Orchesella pontica,* sens. Stach (2397) p. 25; Roumania.

Orchesella prisojnikiana Kos, 1936

1936. *Orchesella prisojnikiana* Kos (1194) p. 70, figs. 1, 24–27; Yugoslavia.
1941. *Orchesella prisojnikiana* Kos (1198) p. 93–; Yugoslavia.
1960. *Orchesella prisojnikiana* Gisin (2271) p. 227; Yugoslavia.
1960. *Orchesella prisojnikiana* Stach (2397) p. 10; Yugoslavia.

Orchesella pseudobifasciata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella pseudobifasciata* Stach (2397) p. 113, Pl. XX, figs. 4–6; Ukraine; Poland.

Orchesella pseudobifasciata obscura Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella pseudobifasciata obscura* Stach (2397) p. 12, Pl. XX, fig. 6; Ukraine; Poland.

Orchesella pseudoluteola Denis, 1925

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1925. *Orchesella pseudoluteola* Denis (621) p. 269, figs. 106–108.
1925. *Orchesella pseudoluteola* Denis (620) p. 254; North Africa, add. descr.
1925. *Orchesella ainsliei* Handschin (987) p. 170; Morocco.
1928. *Orchesella pseudoluteola* Handschin (1005) p. 7; Algeria; Synonymy.
1934. *Orchesella pseudoluteola* Womersley (2177) p. 472; Sierra Leone.
1960. *Orchesella pseudoluteola* Stach (2397) p. 17; North Africa.

Orchesella pulchra (Scherbakow) 1898

1898. *Orchesella rufescens pulchra* Scherbakow (1750) p. 65; Kiev.
1960. *Orchesella pulchra* Stach (2397) p. 68, Pl. XII, figs. 1, 4; Ukraine; Hungary.

Orchesella quadriguttata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1960. *Orchesella quadriguttata* Stach (2397) p. 117, Pl. XIII, fig. 4; Georgia, Russia.

Orchesella quinquefasciata (Bourlet) 1841

1841. *Aetheocerus quinquefasciata* Bourlet (261) p. 111; France.
1842. *Aetheocerus quinquefasciata* Bourlet (265) p. 21; France.
1844. *Orchesella quinquefasciata* Lucas (1327) p. 289; List of records (1).
1847. *Orchesella quinquefasciata* Nicolet (1496) p. 367; France.
1912. *Orchesella quinquefasciata* Dahl (496) p. 423; Ecology.
1915. *Orchesella quinquefasciata* Ionesco (1105) p. 223; Roumania.
1916. *Orchesella quinquefasciata* Ionesco (1106) p. 483; Roumania.
1920. *Orchesella quinquefasciata* Ionesco (1107) p. 17, Pl. I, fig. 7; Roumania.
1922. *Orchesella quinquefasciata* Latzel (1250) p. 71; Ostalpen and Karstes, Austria.
1929. *Orchesella quinquefasciata* Handschin (1008) p. 95, figs. 172–173; Middle Europe; Roumania.
1930. *Orchesella flavescens quinquefasciata* Stach (1869) p. 305; Europe; Siberia; North America.
1933. *Orchesella quinquefasciata* Buitendijk (335) p. 65; Holland.
1933. *Orchesella quinquefasciata* Schubert (1787) p. 261; Ecology.
1935. *Orchesella quinquefasciata* Schubert (1791) pp. 201–, 371–; Germany.
1937. *Orchesella quinquefasciata* Kseneman (1217); Carpathians.
1938. *Orchesella quinquefasciata* Kseneman (1220) p. 20; Europe.
1941. *Orchesella quinquefasciata* Buitendijk (336) p. 68, fig. 18; Netherlands; Mid Europe; Roumania.
1942. *Orchesella quinquefasciata* Marlier (1375) p. 10; Belgium.
1943. *Orchesella quinquefasciata* Gisin (853) p. 173; Switzerland.
1947. *Orchesella quinquefasciata* Delamare Deboutteville (550) p. 136; France.
1950. *Orchesella quinquefasciata* Lindenmann (1285) p. 396, figs. 7, 8; Switzerland; Juvenile phase, variability.
1951. *Orchesella quinquefasciata* Schaller (1746) p. 492; Ecology.
1958. *Orchesella quinquefasciata* Grindbergs (2276) p. 76; Latvia.
1958. *Orchesella quinquefasciata* Grindbergs (2277) p. 201; Latvia.

1958. *Orchesella quinquefasciata* von Torne (1993) p. 669; Austria.
1960. *Orchesella quinquefasciata* Gisin (2271) p. 228, fig. 418; Central Europe.

Orchesella quinquefasciata devergens Handschin, 1929

1929. *Orchesella quinquefasciata devergens* Handschin (1008) p. 95, fig. 173; Central Europe; Roumania
1931. *Orchesella quinquefasciata devergens* Bonet (205) p. 387; Bulgaria, in caves.
1937. *Orchesella quinquefasciata devergens* Kseneman (1217) p. 472; Carpathians.

Orchesella quinquefasciata postarcuata Latzel, 1917

1917. *Orchesella quinquefasciata postarcuata* Latzel (1249) p. 246; Austria.
1922. *Orchesella quinquefasciata postarcuata* Latzel (1250) p. 72; Austria.

Orchesella rectangulata Stach, 1937, in litt.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1937. *Orchesella rectangulata* Drenowski (695) p. 3; Bulgaria.
1960. *Orchesella rectangulata* Stach (2397) p. 116, Pl. XVII, figs. 4–6; Bulgaria.

Orchesella rubrofasciata (Bourlet) 1841

1841. *Aetheocerus rubrofasciatus* Bourlet (261) p. 111; France.
1842. *Aetheocerus rubrofasciatus* Bourlet (265) p. 21; France.
1844. *Orchesella rubrofasciata* Lucas (1327) p. 289; List of records.
1847. *Orchesella rubrofasciata* Nicolet (1496) p. 367; France.

Orchesella semitaeniata Latzel, 1917

1917. *Orchesella semitaeniata* Latzel (1249) p. 248; Austrian Alps.
1922. *Orchesella semitaeniata* Latzel (1250) p. 72; Ostalpen and Karstes.
1936. *Orchesella semitaeniata* Kos (1194) p. 41, figs. 1, 4, 5; Yugoslavian Alps.
1941. *Orchesella semitaeniata* Kos (1198) p. 93–; Yugoslavia.
1960. *Orchesella semitaeniata* Gisin (2271) p. 228, fig. 417; Europe.
1960. *Orchesella semitaeniata* Stach (2397) p. 19; Europe, Alpine.

Orchesella sinensis Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Orchesella sinensis* Denis (633) p. 318, fig. X; Foochow, China.
1960. *Orchesella sinensis* Stach (2397) p. 24; Systematics.

Orchesella spectabilis Tullberg, 1871

1871. *Orchesella spectabilis* Tullberg (2002) p. 147; Sweden.
1872. *Orchesella spectabilis* Tullberg (2003) p. 43, Pl. VIII, figs. 1–7; Sweden.
1876. *Orchesella spectabilis* Reuter (1628) p. 82; Finland.
1893. *Orchesella spectabilis* Schött (1765) p. 55; Sweden; Finland.
1894. *Orchesella spectabilis* Moniez (1452) p. 210; Antnest, Germany.
1895. *Orchesella spectabilis* Reuter (1643) p. 25; Finland; Sweden; Hungary.
1896. *Orchesella rufescens spectabilis* Schäffer (1735) p. 190; Germany.
1898. *Orchesella spectabilis* Scherbakow (1750) p. 59; Kiev, Russia.
1900. *Orchesella spectabilis* Prowazek (1614) p. 359–; Morphology.
1900. *Orchesella spectabilis* Vellay (2056) p. 20; Hungary.
1903. *Orchesella spectabilis* Ågren (55) p. 151; Discussion, Sweden.
1906. *Orchesella spectabilis* Wahlgren (2080) p. 258; Sweden.
1907. *Orchesella spectabilis* Axelson (83) p. 131; Finland.
1912. *Orchesella spectabilis* Axelson (1292) p. 237; Discussion, Finland.
1915. *Orchesella rufescens pontica* Ionesco (1105) p. 223; Roumania.
1920. *Orchesella spectabilis* Stach (1859) p. 193; Sweden; South Finland; Germany; Poland; Galizia; Kiev.
1922. *Orchesella spectabilis* Stach (1860) p. 53; Hungary.
1923. *Orchesella spectabilis* Stach (1863) p. 13; Germany.
1929. *Orchesella spectabilis* Handschin (1008) p. 96; Germany.
1930. *Orchesella spectabilis* Stach (1869) p. 305; Europe.
1934. *Orchesella spectabilis* Agrell (37) p. 232; Ecology, Sweden.
1935. *Orchesella spectabilis* Schubert (1791) p. 230–, p. 369; Poland; Germany.
1937. *Orchesella spectabilis* Drenowski (695) p. 4; Bulgaria.
1941. *Orchesella spectabilis* Szent-Ivany (1947) p. 24; Hungary.
1943. *Orchesella spectabilis* Agrell (47) p. 126; Sweden.
1945. *Orchesella spectabilis* Agrell (50) p. 10; Sweden.
1951. *Orchesella spectabilis* Schaller (1746) p. 492; Ecology.
1955. *Orchesella spectabilis* Stach (1893) p. 171, fig. 515; Europe.
1959. *Orchesella spectabilis* Paclt (2317) p. 342; Czechoslovakia.
1960. *Orchesella spectabilis* Gisin (2271) p. 227, fig. 416; Europe.
1960. *Orchesella spectabilis* Grindbergs (2373) p. 50; U.S.S.R.
1960. *Orchesella fastuosa* Stach (2397) p. 49; Systematics.
1960. *Orchesella spectabilis* Stach (2397) p. 50, Pl. VIII, figs. 3–4; Poland; Russia; Hungary.

Orchesella spectabilis pallida Tullberg, 1876

1876. *Orchesella spectabilis pallida* Tullberg (2004) p. 23–; Scandinavia.
1922. *Orchesella spectabilis pallida* Stach (1860) p. 53; Hungary.
1923. *Orchesella spectabilis pallida* Stach (1863) p. 13; Germany.
1930. *Orchesella spectabilis pallida* Stach (1869) p. 305; Europe.
1937. *Orchesella spectabilis pallida* Drenowski (695) p. 4; Bulgaria.
1955. *Orchesella spectabilis pallida* Stach (1893) p. 171, fig. 516; Europe.

***Orchesella spectabilis quinquefasciata** Stach, 1937, in litt.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1937. *Orchesella spectabilis quinquefasciata* Drenowski (695) p. 4; Bulgaria.

* This subspecies is recorded by Drenowski (695) p. 6 as identified by Stach, but Stach does not include it in his 1960 paper (2397) on the tribe Orchesellini.

Orchesella sphagneticola Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella sphagneticola* Stach (2397) p. 131, Pl. XXII, fig. 1; U.S.S.R.

Orchesella subnigra Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella subnigra* Stach (2397) p. 71, Pl. XII, fig. 5; Russia; Caucasus.

Orchesella subnigra obscura Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella subnigra obscura* Stach (2397) p. 72, Pl. XII, fig. 6; Russia; Caucasus.

Orchesella succincta (Guerin-Meneville) 1838

1838. *Podura succincta* Guerin-Meneville (949) p. 10; France.
1840. *Orchesella succincta* Lucas (1326) p. 563; France.
1844. *Orchesella succincta* Gervais (841) p. 416; France.

Orchesella sylvatica (Bourlet) 1841

1841. *Podura silvatica* Bourlet (261) p. 153; Europe.
1842. *Podura silvatica* Bourlet (265) p. 59; Europe.
1842. *Orchesella sylvatica* Nicolet (1493) p. 79, Pl. IX, fig. 5; Europe.
1844. *Orchesella sylvatica* Gervais (841) p. 415; Switzerland.
1844. *Orchesella sylvatica* Lucas (1327) p. 290; Reference only.
1845. *Orchesella silvatica* Bourlet (266) p. 68; Europe.
1847. *Orchesella sylvatica* Nicolet (1496) p. 366; France; Switzerland.
1873. *Orchesella sylvatica* Lubbock (1318) p. 130; Europe.
1915. *Orchesella sylvatica* Ionesco (1105) p. 223; Roumania.
1920. *Orchesella sylvatica* Ionesco (1107) p. 18, Pl. I, fig. 8; Roumania.
1937. *Orchesella sylvatica* Drenowski (695) p. 4; Bulgaria.

Orchesella taurica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella taurica* Stach (2397) p. 100, Pl. XVI, figs. 1–6; Crimea; North Caucasus.

Orchesella taurica obscura Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella taurica obscura* Stach (2397) p. 24, Pl. XVI, fig. 3; Eastern Europe.

Orchesella taurica pallida Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella taurica pallida* Stach (2397) p. 24, Pl. XVI, fig. 1; Eastern Europe.

Orchesella terrestris Brown, 1929

1929. *Orchesella terrestris* Brown (309) p. 428, Pl. IX, figs. 11, 12; England.
1960. *Orchesella terrestris* Stach (2397) p. 29; England.

Orchesella triglavensis Kos, 1936

1936. *Orchesella triglavensis* Kos (1194) p. 58, figs. 1, 14–19; Yugoslavia.
1941. *Orchesella triglavensis* Kos (1198) p. 93–; Yugoslavia.
1960. *Orchesella triglavensis* Gisin (2271) p. 231, fig. 427; Yugoslavia.
1960. *Orchesella triglavensis* Stach (2397) p. 27; Yugoslavia.

Orchesella unifasciata Nicolet, 1842

1842. *Orchesella unifasciata* Nicolet (1493) p. 79, Pl. IX, fig. 6; Switzerland.
1844. *Orchesella unifasciata* Gervais (841) p. 415; Switzerland.
1844. *Orchesella unifasciata* Lucas (1327) p. 290; Reference only.
1845. *Orchesella unifasciata* Bourlet (266) p. 68; Europe.
1847. *Orchesella unifasciata* Nicolet (1496) p. 366; Switzerland.
1869. *Orchesella unifasciata* Porath (1608) p. 652; Scania.

Orchesella villosa (Geoffroy) 1762

1762. *Podura villosa* Geoffroy (837) p. 608, Pl. 20, fig. 2; Paris.
1767. *Podura villosa* Linné (1302) p. 1014; Europe.
1775. *Podura villosa* Müller (1471) p. 1020; Europe.
1776. *Podura nemoralis* Müller (1470) p. 183; Denmark.
1776. *Podura sylvatica* Müller (1470) p. 184; Denmark.
1776. *Podura villosa* Sulzer (1938) p. 239, Tab. XXIX, fig. 2; "a short history of the insects."
1783. *Podura nemoralis* Fabricius (752) p. 299; Europe.
1793. *Podura villosa* Fabricius (749) p. 66; Europe.
1793. *Podura nemoralis* Gmelin (910) p. 2910; Europe.
1793. *Podura sylvatica* Gmelin (910) p. 2910; Europe.
1793. *Podura villosa* Gmelin (910) p. 2908; Europe.
1802. *Podura villosa* Latreille (1241) p. 75; Europe.
1827. *Podura villosa* Brébisson (272) p. 273; France.
1835. *Podura villosa* Lacordaire and Boisduval (196) p. 113; France.
1838. *Choreutes villosa* Burmeister (339) p. 450.
1838. *Podura villosa* Burmeister (339) p. 450; Europe.
1839. *Heterotoma villosissima* Bourlet (259) p. 396; France.
1839. *Heterotoma grisea* Bourlet (259) p. 397; Europe.
1839. *Isotoma villosa* Bourlet (259) p. 401; France.
1840. *Podura pilosa* Koch (1187) p. 354; Germany.
1840. *Podura villosa* Koch (1187) p. 354; Europe.
1840. *Podura annulata* Lucas (1326) p. 562–; Europe.
1840. *Podura villosa* Lucas (1326) p. 564; References.
1841. *Aetheocerus griseus* Bourlet (261) p. 109; France.
1841. *Podura nemoralis* Bourlet (261) p. 153; Europe.
1841. *Podura villosa* Bourlet (261) p. 114; Europe.
1842. *Podura villosa* Erichson (730) p. 313; Europe.
1842. *Orchesella villosa* Nicolet (1493) p. 78, Pl. 9, fig. 2; Europe.
1843. *Aetheocerus griseus* Bourlet (265) p. 21; France.
1843. *Heterotoma grisea* Bourlet (265) p. 21; France.
1843. *Heterotoma villosissima* Bourlet (265) p. 20; France.
1843. *Podura nemoralis* Bourlet (265) p. 20; Europe.
1843. *Podura villosa* Bourlet (265) p. 26; Europe.
1844. *Heterotoma grisea* Gervais (841) p. 419; France.
1844. *Heterotoma villosissima* Gervais (841) p. 418; France.
1844. *Isotoma villosa* Gervais (841) p. 433; France.
1844. *Orchesella villosa* Gervais (841) p. 414; Brief description, Europe.
1844. *Podura histrio* Gervais (841) p. 416, Pl. 50, fig. 5; France.
1844. *Orchesella Bourletii* Lucas (1327) p. 289; France.
1844. *Orchesella grisea* Lucas (1327) p. 288; List of records.
1844. *Orchesella villosa* Lucas (1327) p. 290; Reference only.
1845. *Orchesella villosa* Bourlet (266) p. 68; Europe.
1845. *Podura villosa* Bourlet (266) p. 67; Europe.
1846. *Orchesella luteola* Lucas (1328) p. 256; North Africa.
1847. *Isotoma villosa* Nicolet (1496) p. 374; France.
1847. *Orchesella histrio* Nicolet (1496) p. 366; Paris.

1847. *Orchesella luteola* Nicolet (1496) p. 367; Algeria.
1847. *Orchesella villosa* Nicolet (1496) p. 364; France; Switzerland.
1849. *Orchesella luteola* Lucas (1329) p. 378; Algeria.
1849. *Orchesella villosa* Lucas (1329) p. 378; Algeria.
1862. *Orchesella pilosa* Lubbock (1315) p. 592, Pl. LIX, figs. 5, 6, 7; Europe.
1873. *Orchesella villosa* Lubbock (1318) p. 131, Pls. 15, 16; England.
1873. *Podura nemoralis* Lubbock (1318) p. 10; Europe.
1873. *Orchesella pilosa* McIntire (1353) p. 5; Scale morphology.
1883. *Orchesella villosa* Parone (1558) p. 454; Italy.
1887. *Orchesella villosa* Oudemans (1510) p. 98; Holland.
1888. *Orchesella villosa* Parona (1562) p. 86; Sardinia.
1888. *Orchesella villosa* Parona (1563) p. 137; Italy.
1890. *Orchesella villosa* Reuter (1638) p. 20; Finland, greenhouses.
1890. *Orchesella villosa* Uzel (2050) p. 44; Discussion, Bohemia.
1891. *Orchesella villosa* Parfitt (1550) p. 331; England.
1895. *Orchesella villosa* Vogler (2064) p. 32; Swarming on snow.
1897. *Orchesella villosa* Poppe and Schaeffer (1607) p. 269; Germany.
1897. *Orchesella villosa* Schäffer (1735) p. 191; Germany.
1899. *Orchesella villosa* Carl (351) p. 2; France; Switzerland.
1899. *Orchesella villosa* Carl (352) p. 327; Switzerland.
1899. *Orchesella villosa* Carpenter and Evans (402) p. 245; Scotland.
1900. *Orchesella villosa* Kieffer (1170) p. 113; Germany.
1900. *Orchesella villosa* Lécaillon (1258) p. 71; France.
1900. *Orchesella villosa* Schäffer (1739) p. 268; Germany.
1900. *Orchesella villosa* Vellay (2056) p. 20; Hungary.
1900. *Orchesella villosa* Willem (2123) p. 9–, Pl. VIII, figs. 7, 8.
1901. *Orchesella villosa* Börner (234) p. 66; Germany.
1901. *Orchesella villosa* Carl (354) p. 265; Switzerland.
1901. *Orchesella villosa* Evans (740) p. 152; Scotland.
1901. *Orchesella villosa* Krausbauer (1204) p. 72; Germany.
1902. *Orchesella villosa* Voights (2067) p. 524; Germany.
1903. *Orchesella villosa* Minchin (1434) p. 336; Textbook.
1906. *Orchesella villosa* Navas (1483) p. 164, Pl. X, fig. 5; Spain.
1906. *Orchesella villosa* de Pitargue (1596) p. 97; Bolivia.
1908. *Orchesella villosa* Evans (741) p. 196; Scotland.
1908. *Orchesella villosa* Foster (814) p. 23; England.
1908. *Orchesella villosa* Schille (1755) p. 9; Poland.
1909. *Orchesella villosa* Shoebotham (1818) p. 58; Gen. Economics.
1910. *Orchesella villosa* Collinge (464) p. 12; England.
1910. *Orchesella villosa* Collinge and Shoebotham (472) p. 119; England.
1912. *Orchesella villosa* Schille (1756) p. 10; Galizien.
1913. *Orchesella villosa* Carpenter (388) p. 9; Clare I., Ireland.
1915. *Orchesella villosa* Ionesco (1105) p. 223; Roumania.
1916. *Orchesella villosa* Carr (407) p. 65; England.
1916. *Orchesella villosa* Ionesco (1106) p. 474, Pl. 6, figs. 1, 3, 4; Roumania.
1919. *Orchesella villosa* Brown (296) p. 65; England.
1920. *Orchesella villosa* Ionesco (1107) p. 10, fig. 4; Roumania.
1921. *Orchesella villosa* Brown (301) p. 143; Isle of Wight.
1921. *Orchesella villosa* Denis (607) p. 131; France.
1922. *Orchesella villosa* Denis (609) p. 112; Ile de Yeu, France.
1922. *Orchesella villosa* Morris (1456) p. 288; Ecology.
1923. *Orchesella villosa* Brown (302) p. 262; England.
1923. *Orchesella villosa* Womersley (2147) p. 35; S.W. England.
1924. *Orchesella villosa* Denis (614) p. 293; France.
1924. *Orchesella villosa* Handschin (981) p. 144, figs. 113–114; Switzerland.
1925. *Orchesella villosa* Denis (617) p. 212; Italy.
1925. *Orchesella villosa* Handlirsch (976) p. 608; List.
1925. *Orchesella villosa* Teodoro (1959) p. 125; Italy.
1926. *Orchesella villosa* Womersley (2153) p. 220; S.W. England.
1927. *Orchesella villosa* Morris (1457) p. 446; Ecology.
1928. *Orchesella villosa* Handschin (1004) p. 26; Bulgaria.
1928. *Orchesella villosa* Jackson (1121) p. 303; Britain.
1928. *Orchesella villosa* Womersley (2154) p. 378; S.W. England.
1929. *Orchesella villosa* Handschin (1008) p. 96, fig. 177; Middle and South Europe.
1930. *Orchesella villosa* Buitendijk (334) p. 70; Holland.
1930. *Orchesella villosa* Stach (1869) p. 306; Europe.
1930. *Orchesella villosa* Stach (1870) p. 70, fig. IV, 4–7; Description, Spain.
1930. *Orchesella villosa* Womersley (2168) p. 190; Ireland.
1931. *Orchesella villosa* Denis (639) p. 230; Germany.
1933. *Orchesella villosa* Schubert (1787) p. 238; Ecology.
1933. *Orchesella villosa* Turk (2007) p. 94; Britain.
1934. *Orchesella villosa* Perrier (1576) p. 38; France.
1934. *Orchesella luteola* Womersley (2177) p. 472; Sierra Leone.
1935. *Orchesella villosa* Ford (809) p. 198; Ecology, Britain.
1935. *Orchesella villosa* Schubert (1791) pp. 119–, 205–, 366–; Germany.
1936. *Orchesella villosa* Kos (1194) p. 38, figs. 1–3; Yugoslavia.
1937. *Orchesella villosa* Ford (811) p. 103–; Ecology, Britain.
1937. *Orchesella villosa* Schubert (1792) p. 128; Europe.
1938. *Orchesella villosa* Denis (665) p. 146; Italy.
1939. *Orchesella villosa* Imms (1095) p. 291, figs. 7–12; Ecology.
1941. *Orchesella villosa* Buitendijk (336) p. 70; Netherlands; Mid and South Europe.
1941. *Orchesella villosa* Kos (1198) p. 93–; Yugoslavia.
1942. *Orchesella villosa* Marlier (1375) p. 10; Belgium.
1943. *Orchesella villosa* Gisin (853) p. 174; Switzerland.
1943. *Orchesella villosa* Tarsia in Curia (1956) p. 63; Italy, caves.
1948. *Orchesella villosa* Denis (677) p. 5; Corsica.
1950. *Orchesella villosa* Delamare Deboutteville (570) p. 45–; France.
1950. *Orchesella villosa* Lindenmann (1285) p. 394, figs. 5, 6; Switzerland; Juvenile phase, variability.
1951. *Orchesella villosa* Delamare Deboutteville and Cassagnau (593) p. 2; Mid France.
1951. *Orchesella villosa* Delamare Deboutteville and Gisin (597) p. 136; Italy, caves.

1951. *Orchesella villosa* Maynard (1393) p. 191, Pl. XXI, figs. 345–350; Description, New York.
1951. *Orchesella villosa* Schaller (1746) p. 465; Ecology.
1952. *Orchesella villosa* Baudissin (152) p. 56–; Ecology.
1952. *Orchesella villosa* Delamare Deboutteville (581) p. 77; Mediterranean region.
1953. *Orchesella villosa* Ruppel (1670) p. 431; Physiology.
1953. *Orchesella villosa* Schaller (1748) p. 185; Reproduction.
1953. *Orchesella villosa* Schaller (1749) p. 266; Reproduction.
1955. *Orchesella villosa* Choppard (434) p. 24, Pl. I, fig. 18; France.
1955. *Orchesella villosa* Goto (921) p. 268; Britain.
1955. *Orchesella villosa* Gridelli (938) p. 45; Venice.
1955. *Orchesella villosa* Pistor (1594) p. 512–; Physiology.
1955. *Orchesella villosa* Pistor and Schaller (1595) p. 230–; Morphology.
1955. *Orchesella villosa* Stach (1893) p. 171, fig. 512; Poland.
1956. *Orchesella villosa* Bockemuhl (193) p. 146; Spitzbergen.
1956. *Orchesella villosa* Gisin (896) p. 8; Geneva.
1956. *Orchesella villosa* Mayer (1389) p. 138; Reproduction.
1956. *Orchesella villosa* Paclt (1541) p. 55–, figs. 110, 114.
1956. *Orchesella villosa* Tuzet (2012) p. 15–; Cytology.
1957. *Orchesella villosa* Mayer (1390) p. 503–, figs. 10, 15, 19, 22, 23, 31, 47, 52; Biology.
1958. *Orchesella villosa* Kholova (1169) p. 235; Bohemia.
1958. *Orchesella villosa* Miles (1412) p. 638; Wales.
1958. *Orchesella villosa* Saure and Brummer-Korvenkontio (2393) p. 3; Cytology.
1960. *Orchesella villosa* Gisin (2271) p. 231, fig. 426; Europe.
1960. *Orchesella villosa* Grindbergs (2373) p. 50; U.S.S.R.
1960. *Orchesella villosa* Stach (2397) p. 79, Pl. XIII, fig. 1; Europe.

Orchesella villosa atrofrontalis Stach, 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Orchesella villosa atrofrontalis* Stach (1870) p. 71, fig. 15; Spain.
1960. *Orchesella villosa atrofrontalis* Stach (2397) p. 82, Pl. XIII, fig. 3; Moravia; Poland.

Orchesella villosa devergens Handschin, 1924

1924. *Orchesella villosa devergens* Handschin (981) p. 145, figs. 115, 116; Switzerland.
1928. *Orchesella villosa devergens* Handschin (1004) p. 26; Bulgaria.
1960. *Orchesella devergens* Gisin (2271) p. 229, fig. 419; Alps, Switzerland, Austria.

Orchesella villosa diagonalis Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Orchesella villosa diagonalis* Maynard (1393) p. 193, Pl. XXI, figs. 343–344; New York.

*** Orchesella villosa handschinia** nom. nov.

1924. *Orchesella villosa pallida* Handschin (981) p. 145, figs. 117, 118; Switzerland.

Orchesella villosa pallida (Scherbakow, 1898) Ionescu, 1916

1898. *Orchesella multifasciata* Scherbakow (1750) p. 65; Kiev.
1916. *Orchesella villosa pallida* Ionesco (1106) p. 476; Roumania.
1920. *Orchesella villosa pallida* Ionesco (1107) p. 11; Roumania.
1960. *Orchesella villosa pallida* Stach (2397) p. 81; Europe.

Orchesella viridilutea Stach, 1937, in litt.

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1937. *Orchesella viridilutea* Kseneman (1217) p. 473; Carpathians.
1960. *Orchesella viridilutea* Stach (2397) p. 87, Pl. XVII, fig. 1; Poland; Ukraine; Styria.

Orchesella xerothermica Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Orchesella xerothermica* Stach (2397) p. 64, Pl. VII, fig. 3; Poland; Ukraine.

Orchesella zebra Guthrie, 1903

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois; Dept. Anim. Biol., Univ. Minnesota, U.S.A.
1903. *Orchesella zebra* Guthrie (951) p. 61, Pl. I, figs. 8–13, Pl. XVI, fig. 1; Minnesota.
1960. *Orchesella zebra* Stach (2397) p. 17; U.S.A.

Genus: ORCHESELLIDES Bonet, 1930 (203) p. 251.
= *Orchezelandia* Salmon, 1937 (1674) p. 356.

Type species fixed: *O. boraoi* by Bonet, 1930 (203) p. 252.

Orchesellides boraoi Bonet, 1930

1930. *Orchesellides boraoi* Bonet (203) p. 253, fig. 2; India.
1936. *Orchesellides boraoi* Denis (661) p. 263, figs. 9–10; North India.
1955. *Orchesellides boraoi* Baijal (1369) p. 511; N.W. Himalayas.

Orchesellides rubra (Salmon) 1944

TYPE: Dominion Mus., Wellington, N.Z.
1937. *Orchezelandia rubra* Salmon (1674) p. 356, Pl. 51 a-e; New Zealand.
1941. *Orchezelandia rubra* Salmon (1676) p. 397, figs. 442–446; New Zealand.
1944. *Orchesellides rubra* Salmon (1683) p. 165; New Zealand.

Genus: METACOELURA Salmon, 1951 (1692) p. 23.
= *Coelura* Schött, 1917 (1774) p. 25.

Type species here designated: *M. articulata* (Schött, 1917), by monotypy.

Metacoelura articulata (Schött) 1917

PARATYPE, LECTOTYPE: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Coelura articulata* Schött (1774) p. 25, figs. 28, 29; North Queensland.
1939. *Coelura articulata* Womersley (2190) p. 196, fig. 160 E-H; North Queensland.

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* In 1924 when Handschin erected the form ***pallida,*** the name *pallida* had previously in 1915 been used by Ionesco for an entirely different subspecies of *O. villosa.* Accordingly I propose here this new name for Handschin's subspecies.

Metacoelura articulata semicolor (Schött) 1917

PARATYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1917. *Coelura articulata semicolor* Schött (1774) p. 1–; N.W. Australia.
1939. *Coelura articulata semicolor* Womersley (2190) p. 190; N.W. Australia.

Genus: ISOTOBRYOIDES Maynard, 1951 (1393) p. 163.
Type species fixed: *I. ochracius,* by Maynard, 1951 (1393) p. 163.

Isotobryoides ochracius Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Isotobryoides ochracius* Maynard (1393) p 163, Pl. XVIII, figs. 284–288; New York.

Genus: SINELLA Brook, 1882 (290) p. 541.
= *Coecobrya* Yosii, 1956 (2234) p. 622.
= *Cavernobrya* Yosii, 1956 (2235) p. 74.
Type species fixed: *S. curviseta,* by Brook, 1882 (290) p. 544 (monotype).

Sinella aglis (Harvey) 1900

TYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1900. *Entomobrya* (*Sinella*) *aglis* Harvey (1036) p. 549, Pl. XV, figs. 2–4; Maine.

Sinella akiyoshiana Yosii, 1956

TYP: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Sinella* (*Coecobrya*) *akiyoshiana* Yosii (2234) p. 624, fig. 10; Japan.
1956. *Sinella* (*Coecobrya*) *akiyoshiana* Yosii (2235) p. 69; Japan.

Sinella alata Christiansen, 1960

TYPE: Auth. Pers. Colln., Grinnell Coll., Iowa, U.S.A.
1960. *Sinella alata* Christiansen (2365) p. 486, figs. 17–25; Nearctic caves

Sinella arcuata, Yosii, 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Sinella arcuata* Yosii (2233) p. 387, fig. 5 A-B; Tokara Islands.
1956. *Sinella arcuata* Yosii (2235) p. 69; Japan.

Sinella avita Christiansen, 1960

TYPE: Auth. Pers. Colln., Grinnell Coll., Iowa, U.S.A.
1960. *Sinella avita* Christiansen (2365) p. 484, figs. 1–8; Nearctic caves.

Sinella barri Christiansen, 1960

TYPE: Auth. Pers. Colln., Grinnell Coll., Iowa, U.S.A.
1960. *Sinella barri* Christiansen (2365) p. 488, figs. 26–31; Nearctic caves.

Sinella boneti Denis, 1948

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1948. *Sinella boneti* Denis (676) p. 231, fig. 15; Indochina.

Sinella coeca (Schött) 1896

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1896. *Entomobrya coeca* Schött (1769) p. 178, Pl. I, figs. 14–16; North America.
1897. *Sinella hofti* Schaeffer (1735) p. 192; Germany.
1902. *Sinella tenebricosa* Folsom (780) p. 365, figs. 11–14; Systematics.
1907. *Sinella coeca* Axelson (83) p. 132; Finland.
1912. *Sinella coeca* Axelson (1292) p. 214, Pl. XIV, fig. 13; Finland.
1926. *Sinella coeca* Handschin (995) p. 131, fig. 6; Subterranean, Europe.
1929. *Sinella coeca* Handschin (1008) p. 76, fig. 140; Europe; England; North America; India.
1930. *Sinella coeca* Womersley (2165) p. 38; England.
1930. *Sinella coeca* Stach (1869) p. 300; Nth. America; Switzerland; Add. descr.
1931. *Sinella coeca* Bonet (205) p. 383; U.S.A.
1932. *Sinella coeca* Carpenter (398) p. 219; Federated Malay States.
1932. *Sinella coeca* Durkop (706) p. 236; Germany.
1932. *Sinella hofti* Folsom (801) p. 66, Pl. 7, figs. 79–81; Systematics.
1933. *Sinella coeca* Boelitz (194) p. 375–.
1933. *Sinella caeca* Speyer (3295) p. 49; Agricultural pest.
1934. *Sinella coeca* Bonet (210) p. 369; Morphology.
1934. *Sinella coeca* Womersley (2178) p. 109, T. fig. 10 a-b; Australia.
1935. *Sinella coeca* Carpenter (399) p. 137; Society Islands.
1935. *Sinella coeca* Carpenter (400) p. 372; Marquesas.
1936. *Sinella coeca* Womersley (2183) p. 322; New Zealand.
1937. *Sinella coeca* Frenzel (828) p. 316; Ecology.
1938. *Sinella coeca* Kseneman (1220) p. 19; Europe; America; Java; Sumatra; India.
1939. *Sinella caeca* Thomas (1969) p. 20; Ecology.
1939. *Sinella coeca* Womersley (2190) p. 174, fig. 58 A-B; Australia.
1941. *Sinella coeca* Salmon (1676) p. 349, figs. 285–286; New Zealand.
1942. *Sinella coeca* Marlier (1375) p. 9; Belgium.
1942. *Sinella coeca* Womersley (2193) p. 28; New Zealand.
1943. *Sinella coeca* Agrell (47) p. 126; Sweden.
1943. *Sinella coeca* Gisin (853) p. 167; Switzerland.
1946. *Sinella coeca* Townsend (2400) p. 197; in the latrines of a Cornish tin mine.
1948. *Sinella coeca* Zimmerman (2237) p. 58; Hawaii.
1951. *Sinella coeca* Gisin (877) p. 86; Switzerland.
1952. *Sinella coeca* Mihelcic (1406) p. 96; Ecology.
1953. *Sinella coeca* Goto (917) p. 165, figs. 1–2; South Africa.
1954. *Sinella coeca* Bellinger (174) p. 24; Connecticut.
1955. *Sinella coeca* Stach (1893) p. 159, figs. 483–484; Poland; Holarctic.
1955. *Sinella cöca* Uchida (2034) p. 200; Japan.
1956. *Sinella coeca* Gisin (895) p. 12; Geneva.
1956. *Sinella coeca* Paclt (1541) pp. 87, 121; Biology.
1957. *Sinella coeca* Mayer (1390) p. 559; Collembola as food.
1957. *Sinella cöca* Uchida (2042) p. 43; Japan.
1958. *Sinella coeca* Grindbergs (2276) p. 75; Latvia.
1958. *Sinella coeca* Grindbergs (2277) p. 198; Latvia.
1958. *Sinella caeca* Mrohs (1463) p. 331–; Ecology.
1960. *Sinella caeca* Christiansen (2365) p. 482; Nearctic.
1960. *Sinella coeca* Gisin (2271) p. 216, figs. 48, 391; Europe.
1960. *Sinella coeca* Grindbergs (2373) p. 47; U.S.S.R.
1960. *Sinella caeca* Willson (2436) p. 599; Physiology.

Sinella coeca **edenticulata** Handschin, 1926

1926. *Sinella coeca edenticulata* Handschin (993) p. 455, fig. 5; Java.
1928. *Sinella coeca edenticulata* Handschin (1001) p. 266; Java.
1932. *Sinella coeca edenticulata* Handschin (1010) p. 480; Bali.

Sinella curviseta Brook, 1882

1882. *Sinella curviseta* Brook (290) p. 544, figs. 1–3; England.
1890. *Sinella curviseta* Reuter (1638) p. 27, Pl. I, fig. 8; Finland.
1893. *Sinella curviseta* Schött (1765) p. 54; Finland; England.

1895. *Sinella curviseta* Reuter (1643) p. 23; Finland; England.
1896. *Sinella curviseta* Lie-Pettersen (1281) p. 16; Norway.
1896. *Entomobrya curviseta* Schött (1769) p. 179; California; Synonymy.
1907. *Sinella curviseta* Axelson (83) p. 132; Finland.
1910. *Sinella curviseta* Collinge and Shoebotham (472) p. 114; England.
1912. *Sinella curviseta* Axelson (1292) p. 214, Pl. XIV, figs. 14–16; Finland.
1914. *Sinella curviseta* Bacon (94) p. 145, Pl. I, figs. 1–3; California.
1915. *Sinella curviseta* Ionesco (1105) p. 222; Roumania.
1916. *Sinella curviseta* Ionesco (1106) p. 465; Roumania.
1918. *Sinella curviseta* Brown (296) p. 186; England.
1920. *Sinella curviseta* Ionesco (1107) p. 3; Roumania.
1929. *Sinella curviseta* Edwards (715) p. 312–; Ecology.
1929. *Sinella curviseta* Handschin (1006) p. 239, figs. 12, 13; South India.
1929. *Sinella curviseta* Handschin (1008) p. 76; Norway; Finland; England; America; India.
1931. *Sinella curviseta* Bonet (205) p. 383; U.S.A., in caves.
1931. *Sinella curviseta* Denis (638) p. 135; Costa Rica.
1933. *Sinella curviseta* Mills and Rolfs (1431) p. 81; Washington.
1933. *Sinella curviseta* Turk (2007) p. 94; Britain.
1934. *Sinella curviseta* Bonet (210) p. 368; Virginia; Kentucky.
1934. *Sinella curviseta Mills* (1417) p. 65; Iowa, U.S.A., Cosmopolitan.
1938. *Sinella curviseta* Uchida (2015) p. 8; Japan.
1942. *Sinella curviseta* Scott (1796) p. 180; West U.S.A.
1942. *Sinella curviseta* Yosii (2227) p. 476; Japan.
1948. *Sinella curviseta* Salt et al. (1724) p. 145; Ecology.
1950. *Sinella curviseta* Delamare Deboutteville (568) p. 46, figs. 10–14; France.
1951. *Sinella curviseta* Liporsky (1307) p. 325–326; Collembola as food.
1951. *Sinella curviseta* Wilkey (2120) p. 79; Colorado.
1954. *Sinella curviseta* Uchida (2030) p. 4; Japan.
1955. *Sinella curviseta* Stach (1893) p. 160; Poland; Holarctic.
1955. *Sinella curviseta* Uchida (2034) p. 200; Japan.
1955. *Sinella curviseta* Yosii (2233) p. 339 and figs.; Tokara Islands.
1956. *Sinella curviseta* Wray and Knowlton (2215) p. 8; Utah.
1956. *Sinella curviseta* Yosii (2235) p. 66, Pl. XXXVII, fig. 220, Pl. XL, fig. 228; Japan.
1957. *Sinella curviseta* Uchida (2042) p. 43; Japan.
1957. *Sinella curviseta* Nomura (1499) p. 69; Japan.
1959. *Sinella curviseta* Wilkey (2350) p. 223; California.
1960. *Sinella curviseta* Christiansen (2365) p. 482; Nearctic.
1960. *Sinella curviseta* Gisin (2271) p. 216; Europe; America; India.
1960. *Sinella curviseta* Grindbergs (2373) p. 47; U.S.S.R.
1960. *Sinella curviseta* Willson (2436) p. 599; Physiology.
1960. *Sinella curviseta* Yosii (2402) p. 145, figs. I-O; Economics, Japan.

Sinella curviseta laevis Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Sinella curviseta laevis* Denis (638) p. 136; Costa Rica, Morphology.
1933. *Sinella curviseta laevis* Denis (645) p. 243; Costa Rica.

Sinella decemoculata Uchida, 1940

1940. *Sinella decemoculata* Uchida (2019) p. 4, Pl. I, A-F; Japan.
1957. *Sinella decemoculata* Uchida (2042) p. 43; Japan.

Sinella dubiosa Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Sinella (Coecobrya) dubiosa* Yosii (2234) p. 625, fig. 13; Japan.
1956. *Sinella (Coecobrya) dubiosa* Yosii (2235) p. 68, Pl. XXXVIII, fig. 221; Japan.
1957. *Sinella dubiosa* Nomura (1499) p. 69; Japan

Sinella hoffmani Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1952. *Sinella hoffmani* Wray (2204) p. 95, figs. 1–2; North America.
1960. *Sinella hoffmani* Christiansen (2364) p. 41; Nth America, caves.
1960. *Sinella hoffmani* Christiansen (2365) p. 488, figs. 32–40; Nearctic caves.

Sinella hoefti Schaeffer, 1896

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1896. *Sinella höfti* Schaeffer (1735) p. 192; Germany.
1896. *Sinella höfti* Lie-Pettersen (1281) p. 16, Pl. 2, figs. 6, 7; Norway.
1896. *Entomobrya caeca* Schött (1769) p. 178, figs. 14–16; North America.
1899. *Sinella höfti* Lie-Pettersen (1283) p. 11–; Norway.
1900. *Sinella höfti* Axelson (75) p. 122; Finland.
1901. *Sinella Höfti* Absolon (11) p. 38; Czechoslovakia.
1901. *Sinella Höfti* Absolon (12) p. 109; Systematics.
1901. *Sinella höfti Börner* (234) pp. 72, 137, fig. 29; Central Europe.
1901. *Sinella höfti* Krausbauer (1204) p. 72; Germany
1902. *Sinella tenebricosa* Folsom (780) p. 365, figs. 11-14; Collembola of the grave.
1902. *Sinella höfti* Schött (1772) p. 31; Sweden; Norway.
1906. *Sinella höfti* Wahlgren (2080) p. 259; Sweden.
1909. *Sinella höfti* Collinge and Shoebotham (471) p. 89; England.
1910. *Sinella höfti* Collinge and Shoebotham (472) p. 114, fig. 11; England.
1924. *Sinella höfti* Denis (616) p. 238, fig. 57; France.
1926. *Sinella coeca edenticulata* Handschin (993) p. 456; East Indies.
1926. *Sinella coeca* Handschin (995) p. 131, fig. 6; Europe.
1929. *Sinella höfti* Denis (633) p. 311; China.
1931. *Sinella höfti* Denis (639) p. 223; Germany.
1932. *Sinella höfti* Folsom (801) p. 66, Pl. 7, figs. 79–81; Hawaii; Systematics.
1933. *Sinella höfti* Denis (645) p. 243; Costa Rica; Specific characteristics.
1933. *Sinella höfti* Folsom (802) p. 937; Agric. pest.
1933. *Sinella höfti* Turk (2007) p. 94; Britain.
1934. *Sinella höfti* Mills (1417) p. 65, figs. 113, 115; Iowa.
1939. *Sinella höfti* Thomas (1969) p. 20; Ecology.
1942. *Sinella höfti* Scott (1796) p. 180; West U.S.A.
1942. *Sinella höfti* Yosii (2227) p. 476; Japan.
1948. *Sinella höfti* Denis (676) p. 230; Indo China.

1950. *Sinella höfti* Wray (2202) p. 6; Nth. Carolina.
1955. *Sinella höfti* Uchida (2034) p. 199; China.
1956. *Sinella höfti* Paclt (1541) p. 124; Biology.
1956. *Sinella höfti* Yosii (2235) p. 67; Japan.
1957. *Sinella höfti* Nomura (1499) p. 69; Japan.
1957. *Sinella höfti* Uchida (2042) p. 43; Japan; China.
1959. *Sinella höfti* Paclt (2316) p. 47; South Africa.
1959. *Sinella höfti* Wilkey (2350) p. 223; California.
1959. *Sinella höfti* Yosii (2355) p. 20; Malaya.
1960. *Sinella höfti* Paclt (2391) p. 157; Hungary.

Sinella hoefti ciliata Denis, 1932

1932. *Sinella höfti ciliata* Denis (643) p. 340; Berne.

Sinella humicola Brown, 1926

1926. *Sinella humicola* Brown (305) p. 208, figs. 15–17; Mesopotamia.
1942. *Sinella humicola* Handschin (1012) p. 445; Mesopotamia.
1960. *Sinella humicola* Gisin (2271) p. 216; Mesopotamia.

Sinella ishikawai (Yosii) 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Sinella* (*Coecobrya*) *ishikawai* Yosii (2234) p. 625, fig. 12; Japan.
1956. *Sinella* (*Coecobrya*) *ishikawai* Yosii (2235) p. 69; Japan.
1957. *Sinella ishikawai* Nomura (1499) p. 68–; Japan.

Sinella krekeleri Christiansen, 1960

TYPE: Auth. Pers. Colln., Grinnell Coll., Iowa, U.S.A.
1960. *Sinella krekeleri* Christiansen (2365) p. 490, figs. 41–48; Nearctic, caves.

Sinella monoculata Denis, 1929

1929. *Sinella monoculata* Denis (633) p. 312, fig. VI; Yunnanfu (China).
1948. *Sinella monoculata* Denis (676) p. 229; Indo China; Add. descr.

Sinella montana Imms, 1912

TYPE: Indian Mus., Calcutta.
1912. *Sinella montana* Imms (1090) p. 101, Pl. VIII, fig. 48, Pl. IX, figs. 56, 57; India.
1929. *Sinella montana* Handschin (1006) p. 239; South India.
1955. *Sinella montana* Baijal (1369) p. 511; N.W. Himalayas.

Sinella myrmecophila (Reuter) 1886

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1886. *Entomobrya* (*Degeeria*) *myrmecophila* Reuter (1637) p. 179; Finland.
1891. *Entomobrya myrmecophila* Reuter (1639) p. 232; Finland.
1893. *Sinella myrmecophila* Schött (1765) p. 54; Finland.
1895. *Sinella myrmecophila* Reuter (1643) p. 23; Finland.
1902. *Entomobrya myrmecophila* Schött (1772) p. 30, Pl. LIV, fig. 5; Scandinavia.
1906. *Sinella myrmecophila* Axelson (82) p. 18; Russia.
1906. *Entomobrya myrmecophila* Wahlgren (2080) p. 260; Sweden.
1907. *Sinella myrmecophila* Axeslon (83) p. 132; Finland.
1908. *Sinella myrmecophila* Schille (1755) p. 12; Poland.
1909. *Sinella myrmecophila* Reuter (1626) p. 171.
1909. *Sinella myrmecophila* Reuter (1650) p. 171–; Scandinavia.
1911. *Sinella myrmecophila* Reuter (1651) p. 20; Scandinavia.
1912. *Sinella myrmecophila* Axelson (1292) p. 212, Pl. XIV, figs. 17, 18; Finland.
1912. *Sinella myrmecophila* Schille (1756) p. 11; Galizien.
1912. *Sinella myrmecophila* Schille (2394) p. 129; Poland.
1920. *Sinella myrmecophila* Stach (1859) p. 185; Poland; Sweden; Finland; Estonia.
1922. *Sinella myrmecophila* Latzel (1250) p. 65; Sweden; Finland; Austria.
1924. *Sinella myrmecophila* Handschin (981) p. 130; Switzerland.
1926. *Sinella myrmecophila* Handschin (988) p. 52, fig. 34; Europe.
1928. *Sinella myrmecophila* Handschin (1003) p. 130; East Prussia.
1928. *Sinella myrmecophila* Womersley (2158) p. 247; Britain.
1929. *Sinella myrmecophila* Handschin (1008) p. 75; Sweden; Finland; Baltics.
1930. *Sinella myrmecophila* Stach (1869) p. 300; Scandinavia; Poland; Austria.
1930. *Sinella myrmecophila* Womersley (2165) p. 38; Putney, England.
1933. *Sinella myrmecophila* Schubert (1787) p. 181; Ecology.
1937. *Sinella myrmecophila* Schubert (1792) p. 127; Europe.
1942. *Sinella myrmecophila* Toth (1997) p. 398, figs. 28, 29; Anatomical.
1943. *Sinella myrmecophila* Agrell (47) p. 126; Sweden.
1943. *Sinella myrmecophila* Gisin (853) p. 168; Switzerland.
1951. *Sinella myrmecophila* Schaller (1746) p. 463; Ecology.
1951. *Sinella myrmecophila* Praport (1610) p. 144; Poland.
1955. *Sinella myrmecophila* Stach (1893) p. 160, figs. 485–486; Poland.
1956. *Sinella myrmecophila* Paclt (1541) p. 87–; Biology.
1958. *Sinella myrmecophila* von Torne (1993) p. 670; Austria.
1960. *Entomobrya myrmecophila* Gisin (2271) p. 218; Scandinavia; North America.
1960. *Entomobrya* (*Entomobryoides*) *myrmecophila* Grindbergs (2373) p. 47; U.S.S.R.

Sinella pulcherrima Agrell, 1939

HOLOTYPE: Swed. Mus. Nat. Hist., Stockholm.
1939. *Sinella pulcherrima* Agrell (41) p. 2, fig. 1; Madeira.
1960. *Sinella pulcherrima* Gisin (2271) p. 217; Madeira.

Sinella pulverafusca Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Sinella pulverafusca* Salmon (1676) p. 349, Pl. 56, figs. 287–289, Pl. 57, fig. 290; New Zealand.
1943. *Sinella pulverafusca* Salmon (1680) p. 384; New Zealand.

Sinella quadrioculata Mills, 1935

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1935. *Sinella quadrioculata* Mills (1418) p. 137, figs. 8, 9; Washington.

Sinella shobuensis (Yosii) 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Cavernobrya shobuensis* Yosii (2235) p. 75, Pl. XL, figs. 232–236; Japan.

Sinella spinidentata (Yosii) 1942

1942. *Sinella höfti spinidentata* Yosii (2227) p. 477, fig. 1; Japan.
1956. *Sinella* (*Coecobrya*) *spinidentata* Yosii (2234) p. 624, fig. 11; Japan.

1956. *Sinella (Coecobrya) spinidentata* Yosii (2235) p. 69; Japan.
1957. *Sinella cŏca spinidentata* Uchida (2042) p. 43; Japan.

Sinella stalagmitorum Yosii, 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Sinella stalagmitorum* Yosii (2232) p. 19, figs. 37–41; Japan.
1956. *Sinella stalagmitorum* Yosii (2235) p. 68; Japan.

Sinella straminea (Folsom) 1899

TYPES: Mus. Comp. Zool., Harvard.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1899. *Entomobrya straminea* Folsom (775) p. 265, Pl. 2, figs. 19–23; Japan.
1903. *Sinella straminea* Börner (239) p. 146.
= *Entomobrya straminea* Fols.
1925. *Sinella straminea* Handschin (985) p. 227; Java.
1929. *Sinella straminea* Denis (632) p. 169, fig. II; China, Pekin; Add. descr.
1932. *Sinella straminea* Kinoshita (1178) p. 2126 and fig.; Japan.
1938. *Sinella Entomobrya straminea* Uchida (2015) p. 8; Japan.
1950. *Sinella straminea* Kinoshita and Uchida (1179) p. 16 and fig.; Japan.
1955. *Sinella straminea* Uchida (2034) p. 200–; China; Japan.
1957. *Sinella straminea* Uchida (2042) p. 42; Japan; China.

Sinella submontana Stach, 1960

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1960. *Sinella submontana* Stach (2586) p. 526, Pl. LXXII, figs. 1–5; Afghanistan.

Sinella subquadrioculata (Yosii) 1956

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1956. *Sinella (Coecobrya) subquadrioculata* Yosii (2234) p. 626, fig. 14; Japan.
1956. *Sinella (Coecobrya) subquadrioculata* Yosii (2235) p. 68; Japan.

Sinella termitum Schött, 1917

LECTOTYPE, PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1917. *Sinella termitum* Schött (1774) p. 20, figs. 23–25; Queensland.
1934. *Sinella termitum* Womersley (2178) p. 109; Australia.
1936. *Sinella termitum* Womersley (2183) p. 322; New Zealand.
1939. *Sinella termitum* Womersley (2190) p. 174, fig. 58-C; Australia.
1941. *Sinella termitum* Salmon (1676) p. 348, figs. 283–284; New Zealand.
1942. *Sinella termitum* Womersley (2193) p. 28; Australia.

Sinella tetrophthalma Denis, 1948

1948. *Sinella tetrophthalma* Denis (676) p. 233, fig. 16; Indo-China.

Sinella umesaoi Yosii, 1940

1940. *Sinella umesaoi* Yosii (2226) p. 188, fig. 3; Hokkaido.
1942. *Sinella umesaoi* Yosii (2227) p. 478; Japan.
1954. *Sinella umesaoi* Uchida (2030) p. 5; Japan.
1954. *Sinella umesaoi* Yosii (2231) p. 805; Japan.
1955. *Sinella umesaoi* Yosii (2233) p. 388; Tokara Is.
1956. *Sinella umesaoi* Yosii (2235) p. 67; Japan.
1957. *Sinella umesaoi* Nomura (1499) p. 69; Japan.
1957. *Sinella umesaoi* Uchida (2042) p. 43; Japan.

Sinella yasumatsui Uchida, 1948

1948. *Sinella yasumatsui* Uchida (2022) p. 4, Pl. 2, A-F; China.

Genus: PARASINELLA Bonet, 1934 (210) p. 365.
Type species fixed: *Parasinella cavernarum* (Packard), by Bonet, 1934 (210) p. 365, by monotypy.

Parasinella castanea Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Parasinella castanea* Salmon (1689) p. 41, figs. 128–130; Campbell Island.

Parasinella cavernarum (Packard) 1889

1889. *Degeeria cavernarum* Packard (1527) p. 66, Pl. XVI, figs. 2, 2a, 2g; North America.
1891. *Beckia cavernarum* MacGillivray (1341) p. 272; Kentucky; Indiana.
1896. *Degeeria cavernarum* Blatchley (191) p. 200; Indiana.
1900. *Degeeria cavernarum* Eigenmann (718) p. 301; Texas, caves.
1902. *Entomobrya lucifuga* Folsom (780) p. 363–; the graves of New York.
1907. *Sinella cavernarum* Banta (141) pp. 54, 86; Wagfields cave, Ind.; Mammoth cave, Kent; and Turetts, Donaldson and Twin caves, Indiana, U.S.A.
1907. *Degeeria cavernarum* Banta (141) pp. 54, 86.
1931. *Entomobrya (Parasinella) cavernarum* Bonet (205) p. 383; U.S.A.
1934. *Entomobrya (Parasinella) cavernarum* Bonet (210) p. 365, figs. 2, 3; U.S.A.
1960. *Sinella cavernarum* Christiansen (2364) p. 141; North America, caves.
1960. *Sinella cavernarum* Christiansen (2365) p. 484, figs. 9–16; North America, caves.

Parasinella cavernarum basidens Bonet, 1931

1931. *Entomobrya (Parasinella) cavernarum basidens* Bonet (205) p. 383; U.S.A.
1934. *Entomobrya (Parasinella) cavernarum basidens* Bonet (210) p. 368, fig. IV; Kentucky, U.S.A.
1960. *Sinella basidens* Christiansen (2365) p. 490, figs. 49–55; Nearctic.

Genus: DEUTEROSINELLA Salmon, 1943 (1680) p. 384.
Type species fixed: *D. fusca* by Salmon, 1943 (1680) p. 384.

Deuterosinella fusca Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Deuterosinella fusca* Salmon (1680) p. 384, Pl. 42, figs. 44–47; New Zealand.

Genus: DREPANURA Schött, 1892 (1762) p. 18.
Type species fixed: *D. californica* Schött, by monotypy.

Drepanura aurifera Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Drepanura aurifera* Salmon (1676) p. 349, Pl. 57, figs. 291–293; New Zealand.

Drepanura californica Schött, 1891

1891. *Drepanura californica* Schött (1762) p. 19, Pl. IV, figs. 2–5; California.
1914. *Drepanura californica* Bacon (94) p. 155, Pl. II, figs. 11–13; California.
1934. *Entomobrya (Drepanura) californica* Bonet (209) p. 156; Systematics.
1935. *Drepanura rolfsi* Mills (1418) p. 134, fig. 3; Washington.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1937. *Drepanura californica* Scott (1795) p. 131, figs. 6–8; California.

1942. *Drepanura californica* Scott (1796) p. 182; West U.S.A.
1944. *Entomobrya* (*Drepanura*) *californica* Gisin (854) p. 71; Systematics.
1956. *Drepanura rolfsi* Wray and Knowlton (2215) p. 8; Utah.
1959. *Drepanura californica* Wilkey (2350) p. 224; California.

Drepanura cinquilineata Womersley, 1934

TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Drepanura cinquilineata* Womersley (2178) p. 116, fig. 12 f-h; W. and Sth. Australia.

Drepanura citricola Womersley, 1934

TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Drepanura citricola* Womersley (2178) p. 115, fig. 11, d-g; W. Australia.
1939. *Drepanura citricola* Womersley (2190) p. 183, fig. 59 A-D; W. Australia.

Drepanura coeruleopicta (Schött) 1917

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Entomobrya coeruleopicta* Schött (1774) p. 15, figs. 17–19; Queensland.
1934. *Drepanura coeruleopicta* Womersley (2178) p. 116; Sth. Australia.
1939. *Drepanura coeruleopicta* Womersley (2190) p. 183, fig. 59 K-M; Sth Australia.

Drepanura eburnea (Denis) 1924

1924. *Entomobrya eburnea* Denis (616) p. 235, figs. 52–54; Ivory Coast.
1934. *Entomobrya eburnea* Womersley (2177) p. 469; French Guinea.
1952. *Drepanura eburnea* Delamare Deboutteville (2267) p. 68, figs. 25–27; Ivory Coast.

Drepanura eburnea pigmentata* Delamare Deboutteville, 1952

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1952. *Drepanura eburnea pigmentata* Delamare Deboutteville (2267) p. 70; Ivory Coast.

Drepanura falcifera Bonet, 1930

1930. *Drepanura falcifera* Bonet (203) p. 258, fig. 4; India.

Drepanura kanaba Wray, 1956

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Drepanura kanaba* Wray (2205) p. 4, fig. 2, A-F; Utah.
1956. *Drepanura kanaba* Wray (2214) p. 4; Idaho.

Drepanura mongolica Yosii, 1949

TYPE: Osaka Mun. Mus., Osaka, Japan.
1949. *Drepanura mongolica* Yosii (2228) p. 33 and fig.; Mongolia.

Drepanura musatica Stach, 1935

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1935. *Entomobrya* (*Drepanura*) *musatica* Stach (1878) p. 116, figs. 1, 2; Brazil.
1960. *Entomobrya musatica* Gisin (2271) p. 217; Egypt.

Drepanura perpulchra (Packard) 1873

1873. *Degeeria perpulchra* Packard (1521) p. 38; Texas.
1884. *Entomobrya perpulchra* Brook (292) p. 281; Nth. America.
1931. *Entomobrya* (*Drepanura*) *perpulchra* Mills (1415) p. 7; Nearctic.
1958. *Drepanura perpulchra* Christiansen (445) p. 516, Pl. 17, figs. 8–12; Texas.

Drepanura punctata Ritter, 1911

1911. *Drepanura punctata* Ritter (1661) p. 383, figs. 13–15; India; Ceylon.

Drepanura punctata pigmentata Bonet, 1933

1933. *Entomobrya* (*Drepanura*) *punctata pigmentata* Bonet (209) p. 156; Argentina.

Drepanura uzeli Ritter, 1911

1911. *Drepanura uzeli* Ritter (1661) p. 384, figs. 16–18; Ceylon.

Genus: ISOTOBRYA Womersley, 1934 (2178) p. 108.
Type species fixed: *I. wheeleri* by Womersley, 1934 (2178) p. 108.

Isotobrya burraensis Womersley, 1940

SYNTYPES: Sth. Austr. Mus., Adelaide.
1940. *Isotobrya burraensis* Womersley (2191) p. 330, figs. a, b; Tasmania.

Isotobrya wheeleri Womersley, 1934

COTYPES: Sth. Austr. Mus., Adelaide.
1934. *Isotobrya wheeleri* Womersley (2178) p. 108, fig. 9 a-f; W. Australia.
1939. *Isotobrya wheeleri* Womersley (2190) p. 167, fig. 56, CC-HH; W. Australia.

Genus: CALX *Christiansen,* 1958 (445) p. 532.
Type species fixed: *C. subulicola* (Mills), by Christiansen, 1958 (445) p. 532.

Calx sabulicola (Mills) 1931

COTYPE: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1931. *Entomobrya* (*Drepanura*) *sabulicola* Mills (1415) p. 7, figs. 19–21; Texas.
1958. *Calx sabulicola* Christiansen (445) p. 533, Pl. 22, figs. 1–13; U.S.A.; Taxonomy.

Genus: HOMIDIA Börner, 1906 (243) p. 173.
Type species fixed: *Homidia cingula* by Börner, 1906 (243) p. 174; by monotypy.

Homidia amethystina (Börner) 1909

1909. *Entomobrya amethystina* Börner (246) p. 119; Japan.
1938. *Entomobrya amethystina* Uchida (2015) p. 8; Japan.
1942. *Homidia amethystina* Yosii (2227) p. 481, fig. 6; Japan.
1954. *Homidia amethystina* Yosii (2231) p. 805; Japan.
1957. *Homidia amethystina* Uchida (2042) p. 44; Japan.

Homidia chrysothrix Yosii, 1942

1942. *Homidia chrysothrix* Yosii (2227) p. 483, fig. 7; Japan.
1957. *Homidia chrysothrix* Uchida (2042) p. 45; Japan.

Homidia cingula Börner, 1906

COTYPE: Sth. Austr. Mus., Adelaide.
1906. *Entomobrya* (*Homidia*) *cingula* Börner (243) p. 174; Java.
1912. *Entomobrya kali* Imms (1090) p. 95, Pl. VII, fig. 33, Pl. VIII, figs. 34–36; Calcutta; Cf. Handschin (985) p. 227.
1913. *Entomobrya* (*Homidia*) *cingula* Börner (251) p. 48; Java.

* This name published without description is invalid under Article 13 of the International Rules Zool. Nomen.

1925. *Entomobrya* (*Homidia*) *cingula* Handschin (985) p. 227, figs. 6–10; Diagnosis, Java.
1926. *Entomobrya* (*Homidia*) *cingula* Handschin (993) p. 455; Java; Sumatra.
1928. *Entomobrya* (*Homidia*) *cingula* Handschin (1001) p. 266; Sumatra; Java.
1932. *Entomobrya* (*Homidia*) *cingula* Handschin (1010) p. 480; Java.
1959. *Homidia cingula* Yosii (2355) p. 20; Singapore.

Homidia fujiyamai Uchida, 1954

1954. *Homidia fujiyamai* Uchida (2231) p. 7, fig. 7 A-G; Japan.

Homidia munda Yosii, 1956

TYPE: Auth. Colln. Yoshida Coll., Kyoto Univ., Japan.
1956. *Homidia munda* Yosii (2235) p. 70, Pl. XXXVI, figs. 217–219, Pl. XL, figs. 229–230; Japan.

Homidia nigrocephala Uchida, 1943

1943. *Homidia nigrocephala* Uchida (2020) p. 15, Pl. IV, F-I; Japan.
1957. *Homdiia nigrocephala* Uchida (2042) p. 45; Japan.

Homidia nigrocephala obscura Yosii, 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Homidia nigrocephala obscura* Yosii (2233) p. 389, figs. 6 A-E; Tokara Is.

Homidia nipponica Yosii, 1942

1942. *Homidia nipponica* Yosii (2227) p. 484, fig. 8; Japan.
1957. *Homidia nipponica* Uchida (2042) p. 45; Japan.

Homidia sauteri Börner, 1909

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1909. *Entomobrya* (*Homidia*) *sauteri* Börner (246) p 120; Japan.
1929. *Homidia sauteri* Denis (632) p. 169; Japan.
1934. *Entomobrya* (*Homidia*) *sauteri* Bonet (209) p. 155; Argentina, Systematics.
1938. *Entomobrya* (*Homidia*) *sauteri* Uchida (2015) p. 8; Japan.
1942. *Homidia sauteri* Yosii (2227) p. 485, fig. 9; Japan.
1944. *Entomobrya* (*Homidia*) *sauteri* Gisin (854) p. 71; Japan, Systematics.
1948. *Entomobrya* (*Homidia*) *sauteri* Uchida (2022) p. 3; China.
1950. *Entomobray sauteri* Kinoshita and Uchida (1179) p. 16 and figs.; Japan.
1954. *Homidia sauteri* Yosii (2231) p. 805; Japan.
1955. *Entomobrya* (*Homidia*) *sauteri* Uchida (2034) p. 201; China.
1955. *Homidia sauteri* Yosii (2233) p. 389, fig. 6 F; Tokara Is.
1957. *Homidia sauteri* Nomura (1499) p. 69; Japan.
1957. *Entomobrya* (*Homidia*) *sauteri* Uchida (2042) p. 44; Japan.
1958. *Homidia sauteri* Christiansen (445) p. 538, Pl. 23, figs. 1–7; Louisiana.

Homidia sauteri allospila Börner, 1909

1909. *Homidia sauteri allospila* Börner (246) p. 121; Japan.
1938. *Entomobrya* (*Homidia*) *sauteri alloscila* Uchida (2015) p. 8; *lapsus calami.*
1957. *Homidia sauteri allospila* Uchida (2042) p. 44; Japan.

Homidia sauteri depicta Börner, 1909

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1909. *Homidia sauteri depicta* Börner (246) p. 121; Japan.
1938. *Entomobrya* (*Homidia*) *sauteri depicta* Uchida (2015) p. 8; Japan.
1953. *Homidia sauteri depicta* Yosii (2229) p. 68; Japan.
1954. *Homidia sauteri depicta* Yosii (2231) p. 805; Japan.
1957. *Homidia sauteri depicta* Uchida (2042) p. 45; Japan.

Homidia sauteri formosana Uchida, 1943

1943. *Homidia sauteri formosana* Uchida (2020) p. 15, Pl. III I-L; Japan.
1957. *Homidia sauteri formosana* Uchida (2042) p. 45; Japan.

Homidia sauteri sinensis Denis, 1929

1929. *Homidia sauteri sinensis* Denis (633) p. 308, fig. III; China.
1956. *Homidia sauteri sinensis* Yosii (2235) p. 71, Pl. XXXVIII, fig. 222; Japan.

Homidia socia Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Homidia socia* Denis (633) p. 310, fig. IV; China (Fukien).
1942. *Homidia socia* Yosii (2227) p. 487, fig. 10; Japan.
1954. *Homidia socia* Yosii (2231) p. 805; Japan.
1955. *Entomobrya* (*Homidia*) *socia* Uchida (2034) p. 201; China.
1955. *Homidia socia* Yosii (2233) p. 389; Tokara Is.
1956. *Homidia socia* Yosii (2235) p. 72; Japan.
1957. *Homidia socia* Uchida (2042) p. 45; China; Japan.

Homidia socia flava Yosii, 1953

TYPE: Auth. Colln. Yoshida Coll., Kyoto Univ., Japan.
1953. *Homidia socia flava* Yosii (2229) p. 69; Japan.

Homidia subcingula Denis, 1948

1948. *Homidia subcingula* Denis (676) p. 227, fig. 14; Indochina.

Homidia transitoria Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Homidia transitoria* Denis (633) p. 311, fig. V; China (Fukien).

Genus: MESENTOTOMA Salmon, 1942 (1679) p. 57.

Type species fixed: *M. exalga* by Salmon, 1942 (1679) p. 57.

Mesentotoma dollfusi (Denis) 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Entomobrya dollfusi* Denis (616) p. 232, figs. 47–51; France.
1928. *Entomobrya atrata* Womersley (2161) p. 304.
1928. *Entomobrya nigrina* Womersley (2159) p. 62, Pl. VII, figs. 1, 3, 4, 5, 6; Devonshire.
1956. *Mesentotoma dollfussi* Christiansen (442) p. 17, figs. 1–7; England; France; North Africa.
1960. *Entomobrya dollfusi* Gisin (2271) p. 217; France; England; North Africa.

Mesentotoma exalga Salmon, 1942

TYPE: Dominion Mus., Wellington, N.Z.
1942. *Mesentotoma exalga* Salmon (1679) p. 58, Pl. 19, figs. 21–30; New Zealand.
1956. *Mesentotoma exalga* Christiansen (442) p. 15, figs. 8–10; New Zealand.

Mesentotoma laguna (Bacon) 1913

1913. *Entomobrya laguna* Bacon (91) p. 202, figs. 1–3; California.
1914. *Entomobrya laguna* Bacon (94) p. 160, Pl. III, figs. 7–9; California.

1942. *Entomobrya laguna* Essig (733) p. 77, figs. 32, 34; Anatomy.
1956. *Mesentotoma laguna* Christiansen (442) p. 18; California.
1958. *Mesentotoma laguna* Christiansen (445) p. 536, Pl. 23, figs. 8–12; California.

Genus: ENTOMOBRYA Rondani, 1861 (1663) p. 40.
= *Choreutes* Burmeister, 1838 (339) p. 449 *ad partem.*
= *Isotoma* Bourlet, 1839 (259) p. 377, *ad partem.*
= *Degeeria* Nicolet, 1841 (1492) p. 384, *ad partem..*
= *Mydonius* Gistl, 1848 (904) p. IX, *ad partem.*
= *Parentombrya* Dahl, 1912 (496) p. 424.

* Type species: *E.* (*Degeeria*) *muscorum* Nicolet, 1842 (1493) p. 75; selected by Börner 1903 (239) p. 178 and placed on Official List of Specific Names in Zoology by International Commission Zoological Nomenclature, 1957 (1104) p. 69. (Opinion 440.)

Degeeria Nicolet, 1841—Placed on Official Index of Rejected and Invalid Generic Names, Opinion 440, 1957 (1104) p. 70; a *nomen nudum,* Int. Comm., 1958 (2376) p. 85.

Degeeria Nicolet, 1842—Placed on Official Index of Rejected and Invalid Generic Names, Opinion 440, 1957 (1104) p. 69; Invalidated. Int. Comm., 1958 (2376) p. 85.

Mydonius Gistl, 1848—Suppressed for Law of Priority but not for Law of Homonymy, Opinion 440, 1957 (1104) p. 69; Invalidated, Int. Comm., 1958 (2376) p. 85

Entomobrya Rondani, 1861—Placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 145.

Entomobrya adustata (Parona, 1895) Börner, 1907

TYPE: Brit. Mus. Nat. Hist., London.
1895. *Entomobrya multifasciata* Parona (1565) p. 3; Argentina.
1895. *Entomobrya intermedia* Parona (1565) p. 3; Argentina.
1907. *Entomobrya adustata* Börner (244) p. 168, fig. 33; S. America.

Entomobrya adustata lavata Börner, 1907

TYPE: Brit. Mus. Nat. Hist., London.
1907. *Entomobrya adustata lavata* Börner (244) p. 169; Argentina.

Entomobrya afghanistanensis Stach, 1960

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1960. *Entomobrya afghanistanensis* Stach (2586) p. 521, Pl. LXXI, fig. 1–4; Afghanistan.

Entomobrya aino (Matsumara & Uchida) 1931

1931. *Sira aino* Matsumara & Uchida (1386) p. 6, and figs.; Japan.
1954. *Entomobrya aino* Yosii (2231) p. 804, fig. 22; Japan.

Entomobrya aipatse Arlé, 1959

1959. *Entomobrya aipatsi* Arlé (2250) p. 169, figs. 131–135: Brazil.

Entomobrya albanica Stach, 1922

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1922. *Entomobrya albanica* Stach (1861) p. 131, Pl. X, figs. 5, 6; Albania.
1935. *Entomobrya albanica* Denis (652) p. 331; Albania.

Entomobrya albocincta (Templeton) 1835

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1835. *Podura albocincta* Templeton (1957) p. 95, Pl. XII, fig. 1; Ireland.
1839. *Podura albicincta* Burmeister (339) p. 449; Europe.
1840. *Podura albocincta* Lucas (1326) p. 566; Cranmore, Ireland.
1847. *Degeeria albocincta* Nicolet (1496) p. 370; Ireland.
1862. *Degeeria cincta* Lubbock (1315) p. 594; Systematics.
1872. *Degeria albocincta* Tullberg (2003) p. 1–; Sweden.
1873. *Degeeria cincta* Lubbock (1318) p. 162; England.
1873. *Degeeria albocincta* Lubbock (1318) p. 160; England.
1884. *Entomobrya albocincta* Brook (292) p. 279, fig. 17; Discussion; Britain, Channel Is.
1887. *Degeeria cincta* Oudemans (1510) p. 98; Systematics.
1890. *Entomobrya albocincta* Uzel (2050) p. 59; Bohemia.
1891. *Entomobrya albocincta* Parfitt (1550) p. 341; England.
1891. *Entomobrya albocincta* Uzel (2051) p. 290–; Helgoland.
1893. *Entomobrya albocincta* Schött (1765) p. 50; Norway.
1895. *Entomobrya albocincta* Dalla Torre (498) p. 10; Austria.
1895. *Entomobrya albocincta* Parona (1565) p. 698; Argentina.
1895. *Entomobrya cincta* Parona (1565) p. 4; Synonymy
1896. *Entomobrya albocincta* Lie-Pettersen (1281) p. 14; Norway.
1897. *Entomobrya albocincta* Schäffer (1735) p. 197; Germany.
1898. *Entomobrya albocincta* Lie-Pettersen (1282) p. 11; Norway.

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* Christiansen, 1958 (445) places ***Degeeria muscorum*** Tullberg, 1871, as a synonym of *E. nivalis*. ***D. muscorum*** Tullberg, I am satisfied from examination of Nicolet's and Tullberg's descriptions and figures, is a varietal form of *D. muscorum* Nicolet.

Christiansen also places ***Entomobrya intermedia*** Brook, 1884 (292) p. 274, as a synonym of *E. nivalis* (L.). Schaeffer, 1900 (1739) p. 264, points out that Brook's species is the same insect as *D. muscorum* Nicolet. Linnaniemi 1912 (1292) p. 203, places *D. muscorum* Tullberg as a synonym of *D. nicoleti* Lubbock, 1868 (1316) p. 299, but this latter species is also regarded by Christiansen as a synonym of *E. nivalis* (L.).

I am convinced that Christiansen's conclusions regarding the synonymy of *E. nivalis* are sound. Therefore the name *E.* (*D.*) *muscorum* (Nic.) falls as a synonym of *E. nivalis* (L.) and the type species for the genus *Entomobrya* must become *E. nivalis* (L.). As *E. muscorum* (Nic.) has been placed on the Official List of Specific Names in Zoology, I have drawn the attention of the International Commission on Zoological Nomenclature to the necessity of making a change in this list.

1899. *Entomobrya albocincta* Carpenter & Evans (402) p. 243; Scotland.
1900. *Entomobrya albocincta* Vellay (2056), p. 20; Hungary.
1901. *Entomobrya albocincta* Börner (234) p. 69; Germany.
1901. *Entomobrya albocincta* Boyd (268) p. 317; Scotland.
1901. *Entomobrya albocincta* Evans (739) p. 156; Scotland.
1901. *Entomobrya albocincta* Evans (740) p. 152; Scotland.
1901. *Entomobrya albocincta* Krausbauer (1204) p. 74: Germany.
1903. *Entomobrya albocincta* Ågren (55) p. 156; Sweden.
1903. *Entomobrya albocincta* Börner (239) p. 147; Systematics.
1906. *Entomobrya albocincta* De Pitarque (1596) p. 97; **Bolivia.**
1906. *Entomobrya albocincta* Lie-Pettersen (1284) p. 68; Norway.
1906. *Entomobrya albocincta* Navas (1483) p. 166; Spain.
1906. *Entomobrya albocincta* Wahlgren (2080) p. 280; Sweden.
1907. *Entomobrya albocincta* Carpenter (378) p. 54; Lambay I., British Isles.
1908. *Entomobrya albocincta* Evans (741) p. 196; Scotland.
1909. *Entomobrya albocincta* Shoebotham (1815) p. 58; Gen. Economics.
1910. *Entomobrya albocincta* Collinge (464) p. 11; England.
1910. *Entomobrya albocincta* Collinge & Shoebotham (472) p. 113; England; Synonymy.
1913. *Entomobrya albocincta* Cameron (345) p. 176; England; Soil Ecology.
1914. *Entomobrya albocincta* Shoebotham (1820) p. 62; Ireland.
1916. *Entomobrya albocincta* Bartholin (149) p. 190.
1916. *Entomobrya albocincta* Carr (407) p. 65; England.
1917. *Entomobrya albocincta* Cameron (346) p. 50; Cheshire Soils.
1917. *Entomobrya albocincta* Shoebotham (1823) p. 222; England.
1918. *Entomobrya albocincta* Brown (296) p. 186; England.
1922. *Entomobrya albocincta* Denis (609) p. 112; Ile de Yeu; France.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1923. *Entomobrya albocincta* Womersley (2147) p. 34; S.W. England.
1924. *Entomobrya albocincta* Denis (614) p. 292; France.
1924. *Entomobrya albocincta* Houlbert (1078) p. 119, Pl. III, fig. 26.
1927. *Entomobrya albocincta* Womersley (2155) p. 40; Savernake Forest, England.
1928. *Entomobrya albocincta* Jackson (1121) p. 302; Britain.
1928. *Entomobrya albocincta* Womersley (2154) p. 377; S.W. England.
1929. *Entomobrya albocincta* Handschin (1008) p. 80, fig. 147; Germany; England; France; Sweden.
1929. *Entomobrya albocincta* Stach (1869) p. 304; Europe.
1930. *Entomobrya albocincta* Buitendijk (334) p. 62; **Holland.**
1930. *Entomobrya albocincta* Womersley (2168) p. 185; Ireland.
1931. *Entomobrya albocincta* Denis (639) p. 220; Germany.
1933. *Entomobrya albocincta* Turk (2007) p. 94; Britain.
1934. *Entomobrya albocincta* Agrell (37) p. 226; Sweden; Ecology.
1934. *Entomobrya albocincta* Perrier (1576) p. 37; France.
1941. *Entomobrya albocincta* Buitendijk (336) p. 55; Netherlands; England; France; Sweden.
1942. *Entomobrya albocincta* Caspers (408) p. 150; Helgoland I.
1942. *Entomobrya albocincta* Marlier (1375) p. 9; Belgium.
1942. *Entomobrya albocincta* Miles (1408) p. 27; Oxford, England.
1943. *Entomobrya albocincta* Agrell (47) p. 126; Sweden.
1943. *Entomobrya albocincta* Carpenter (401) p. 122; Britain (Lundy I.).
1945. *Entomobrya albocincta* Agrell (50) p. 10; Sweden; mouse nests.
1951. *Entomobrya albocincta* Cassagnau & Delamare Deboutteville (593) p. 2; Mid. France.
1951. *Entomobrya albocincta* Schaller (1746) p. 492; Ecology.
1952. *Entomobrya albocincta* Strenzke (1924) p. 5; Germany.
1957. *Entomobrya albocincta* Selga (1805) p. 114; Galicia, Spain.
1959. *Entomobrya albocincta* Da Gama (2266) p. 24; Portugal.
1960. *Entomobrya albocincta* Gisin (2271) p. 222, fig. 405; Europe.

Entomobrya albocoerulea Schött, 1917

LECTOTYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Entomobrya albocoerulea* Schött (1774) p. 18, figs. 20–22; N.W. Australia.
1939. *Drepanura albocoerulea* Womersley (2190) p. 183, fig. 59, H-J; N.W. Australia.

Entomobrya ambigua Schött, 1917

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Entomobrya ambigua* Schött (1774) p. 15; Australia.
1939. *Entomobrya ambigua* Womersley (2190) p. 180; South Australia.

Entomobrya aniwaniwaensis Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya aniwaniwaensis* Salmon (1676) p. 360, Pl. 59, figs. 329–331; New Zealand.

Entomobrya anomala Carpenter, 1906

1906. *Entomobrya anomala* Carpenter (377) p. 40, Pl. II, fig. 8–15; Ireland.

Entomobrya arborea (Tullberg) 1871

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1871. *Degeeria arborea* Tullberg (2002) p. 148; Sweden.
1872. *Deegeria arborea* Tullberg (2003) p. 40, Pl. VII, fig. 7; Sweden.
1883. *Entomobrya multifasciata* Brook (292) p. 276; *ad partem.*
1887. *Degeeria arborea* Oudemans (1510) p. 67–; Anatomy.

1888. *Degeeria arborea* Oudemans (1511) p. 198; Malpighian ducts.
1891. *Entomobrya arborea* Reuter (1639) p. 231; Finland.
1891. *Entomobrya arborea* Uzel (2050) p. 58; Bohemia.
1893. *Entomobrya arborea* Schött (1765) p. 49; Sweden.
1895. *Entomobrya arborea* Reuter (1643) p. 21; Finland; Sweden; Germany; Bohemia.
1897. *Entomobrya arborea* Poppe & Schaeffer (1607) p. 270; Germany.
1897. *Entomobrya arborea* Schaffer (1735) p. 197; Germany.
1898. *Entomobrya arborea* Scherbakow (1750) p. 59; Kiew, Russia.
1899. *Entomobrya arborea* Carl (351) p. 2; Switzerland.
1899. *Entomobrya arborea* Carl (352) p. 334; Switzerland.
1901. *Entomobrya arborea* Börner (234) p. 69; Germany.
1901. *Entomobrya arborea* Krausbauer (1204) p. 73; Germany.
1902. *Entomobrya arborea* Becker (158) p. 28; Russia.
1902. *Entomobrya arborea* Schött (1772) p. 29; Sweden.
1903. *Entomobrya arborea* Ågren (55) p. 156; Sweden.
1906. *Entomobrya arborea* Axelson (82) p. 17; Russia.
1906. *Entomobrya arborea* Wahlgren (2080) p. 260; Sweden.
1907. *Entomobrya arborea* Axelson (83) p. 132; Finland.
1908. *Entomobrya arborea* Schille (1755) p. 9; Poland.
1912. *Entomobrya arborea* Axelson (1292) p. 198; Finland.
1912. *Entomobrya arborea* Schille (1756) p. 10; Galizien.
1912. *Entomobrya arborea* Schille (2394) p. 128–; Poland.
1913. *Entomobrya arborea* Börner (251) p. 46; Java; Ad. descr.
1919. *Entomobrya arborea* Wahlgren (2089) p. 751; Sweden.
1920. *Entomobrya arborea* Stach (1859) p. 187; Poland.
1923. *Entomobrya arborea* Womersley (2147) p. 34; S.W. England.
1924. *Entomobrya arborea* Denis (614) p. 292; France.
1924. *Entomobrya arborea* Handschin (981) p. 124, figs. 89–92; Switzerland.
1925. *Entomobrya arborea* Handschin (985) p. 266; Java; all Palaearctic regions.
1928. *Entomobrya arborea* Handschin (1001) p. 266; Java.
1929. *Entomobrya arborea* Handschin (1008) p. 83, fig. 154; Europe.
1930. *Entomobrya arborea* Stach (1869) p. 302; Europe.
1934. *Entomobrya arborea* Perrier (1576) p. 37; France.
1942. *Entomobrya arborea* Caspers (408) p. 150; Helgoland I.
1942. *Entomobrya multifasciata* Caspers (408) p. 150; Helgoland I.
1942. *Entomobrya arborea* Marlier (1375) p. 9; Belgium.
1943. *Entomobrya arborea* Agrell (47) p. 126; Sweden.
1943. *Entomobrya arborea* Gisin (853) p. 169; Switzerland.
1949. *Entomobrya arborea* Janetschek (1127) pp. 42, 135–143; Ecology.
1955. *Entomobrya arborea* Stach (1893) p. 163, fig. 489; Europe.
1958. *Entomobrya arborea* von Torne (1993) p. 668; Austria.
1959. *Entomobrya arborea* Stach (1896) p. 55; Poland.
1960. *Entomobrya arborea* Gisin (2271) p. 223, fig. 407; Europe.
1960. *Entomobrya (Entomobrya) arborea* Grindbergs (2373) p. 48; U.S.S.R.

Entomobrya arborea fusca Becker, 1902

1902. *Entomobrya arborea fusca* Becker (158) p. 29, fig. 16; Russia.
1903. *Entomobrya arborea fusca* Becker (159) p. 11, fig. 16; Russia.
1905. *Entomobrya arborea fusca* Axelson (82) p. 17; Scandinavia.
1907. *Entomobrya arborea fusca* Axelson (83) p. 132; Finland.
1912. *Entomobrya arborea fusca* Axelson (1292) p. 199; Finland.
1958. *Entomobrya arborea fusca* von Torne (1993) p. 668; Austria; Ecology.

Entomobrya arborea obscura Schaeffer, 1900

1900. *Entomobrya arborea obscura* Schaeffer (1739) p. 262, fig. 29; Germany.
1902. *Entomobrya arborea obscura* Becker (158) p. 28, fig. 15; Russia.
1903. *Entomobrya arborea obscura* Ågren (55) p. 156; Sweden; = principal form.
1908. *Entomobrya arborea obscura* Schille (1755) p. 10; Poland.
1912. *Entomobrya arborea obscura* Schille (1756) p. 10; Galizien.

Entomobrya arborea pallida Becker, 1902

1902. *Entomobrya arborea pallida* Becker (158) p. 29; Russia.
1907. *Entomobrya arborea pallida* Axelson (83) p. 132; Finland.
1912. *Entomobrya arborea pallida* Axelson (1292) p. 199; Finland.
1920. *Entomobrya arborea pallida* Stach (1859) p. 187; Europe, Sweden; Finland; Moscow; Poland.
1930. *Entomobrya arborea pallida* Stach (1869) p. 302; Europe.
1952. *Entomobrya arborea pallida* Mihelcic (1406) p. 96; Ecology.

Entomobrya arnaudi Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1953. *Entomobrya arnaudi* Wray (2205) p. 7, fig. II, T-W; U.S.A.
1958. *Entomobrya arnaudi* Christiansen (445) p. 475, Pl. 18, figs. 11-15; Washington; New Mexico.

Entomobrya arvensis Latzel, 1917

1917. *Entomobrya arvensis* Latzel (1249) p. 241; Austria.
1922. *Entomobrya arvensis* Latzel (1250) p. 64; Austria.

Entomobrya arvensis nigrella Latzel, 1917

1917. *Entomobrya arvensis nigrella* Latzel (1249) p. 242; Austria.
1922. *Entomobrya arvensis nigrella* Latzel (1250) p. 64; Austria.

Entomobrya assuta Folsom, 1924

SYNTYPES: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Entomobrya assuta* Folsom (797) p. 6, figs. 16–19; New York State.

1933. *Entomobrya assuta* James (1124) p. 105; Canada.
1934. *Entomobrya assuta* Mills (1417) p. 69, figs. 7, 8; Iowa.
1939. *Entomobrya assuata* Bueker (332) p. 13, figs. 32–35; St. Louis, U.S.A.
1939. *Entomobrya assuta* Mills (1422) p. 161; North America.
1948. *Entomobrya maizii* Wray (2199) p. 50; North Carolina.
1950. *Entomobrya assuta* Wray (2202) p. 6; North Carolina.
1950. *Entomobrya assuta* Wray (2216) p. 62; Utah.
1951. *Entomobrya assuta* Maynard (1393) p. 160, Pl. XVI, fig. 269; New York, U.S.A.; Canada.
1951. *Entomobrya assuta* Wilkey (2120) p. 79; Colorado.
1958. *Entomobrya assuta* Christiansen (445) p. 471, Pl. 6, figs. 1–13; U.S.A.; Nearctic.

Entomobrya ataquensis Arlé, 1959

1959. *Entomobrya ataquensis* Arlé (2250) p. 169, figs. 120–130; Brazil.

Entomobrya atra (Nicolet) 1847

1847. *Degeeria atra* Nicolet (1496) p. 370; Chile.
1849. *Degeeria atra* Nicolet (1497) p. 89; Chile.
1884. *Entomobrya atra* Brook (292) p. 281; Original Description.

Entomobrya atrata (Womersley) 1928

1928. *Entomobrya nigrina* Womersley (2159) p. 62, Pl. VII, figs. 1, 3, 4, 5, 6; Devonshire.
1929. *Entomobrya atrata* Womersley (2161) p. 304;
1930. *Entomobrya atrata* Womersley (2168) p. 186; Ireland.

Entomobrya atrata lundyense (Womersley) 1928

1928. *Entomobrya nigrina lundyense* Womersley (2159) p. 64, Pl. VII, fig. 2; Lundy I.; Devonshire.
1933. *Entomobrya atrata lundyense* Turk (2007) p. 94; Britain.

Entomobrya atrocincta Schött, 1896

1896. *Entomobrya atrocincta* Schött (1769) p. 181, Pl. II, fig. 35; North America.
1896. *Entomobrya flava* Lie-Pettersen (1281) p 14; Pl. I, fig. 6; Norway.
1903. *Entomobrya clitellaria* Guthrie (951) p. 75, (*nov. syn.*); Minnesota.
1914. *Entomobrya clitellaria* Bacon (94) p. 158; California.
1924. *Entomobrya nigrocincta* Denis (615) (*nov. syn.*); France.
TYPE: Lab. Zool. Fac. Sci., Dijon, France.
1931. **Entomobrya pseudoperpulchra* Mills (1415) p. 5, figs. 15–18; Texas.
1933. *Entomobrya flava* James (1124) p. 104; Toronto region.
1933. *Entomobrya atrocincta* Mills & Rolfs (1431) p. 81; Washington.
1934. *Entomobrya nigrocincta* Bonet (209) p. 148; Argentina; Synonymy.
1934. *Entomobrya clitellaria* Womersley (2178) p. 110; Australia.
1934. *Entomobrya clitellaria* Womersley (2178) p. 111; (*nov. syn.*); Australia.
1939. *Entomobrya clitellaria* Womersley (2190) p. 177; Australia.
1939. *Entomobrya clitellaria newmani* Womersley (2190) p. 177; Australia.
1941. *Entomobrya clitellaria australasia* Salmon (1676) p. 356, Pl. 58, fig. 307; New Zealand.
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya clitellaria newmani* Salmon (1676) p. 356; New Zealand.
1942. *Entomobrya atrocincta* Bonet (211) p. 56; Synonymy; France; Spain; Argentina; Canada; Australia; New Zealand.
1942. *Entomobrya atrocincta citrina* Bonet (211) p. 57; California; France; Spain; Mexico; Australia; Argentina; New Zealand.
1942. *Entomobrya atrocincta* Scott (1796) p. 182; West U.S.A.
1944. *Entomobrya atrocincta* Salmon (1683) p. 154; New Zealand; Synonymy.
1944. *Entomobrya atrocincta citrina* Salmon (1683) p. 155; Systematics.
1944. *Entomobrya atrocincta nigrocincta* Salmon (1683) p. 155; Systematics.
1944. *Entomobrya clitellaria newmani* Salmon (1683) p. 155; New Zealand.
1947. *Entomobrya atrocincta* Delamare Deboutteville (550) p. 136, fig. 5; France.
1947. *Entomobrya atrocincta citrina* Delamare Deboutteville (550) p. 138; France.
1947. *Entomobrya atrocincta aurata* Delamare Deboutteville (550) p. 138, fig. 5-c; France.
1947. *Entomobrya atrocincta lineata* Delamare Deboutteville (550) p. 138, fig. 5-a; France.
1950. *Entomobrya atrocincta* Wray (2216) p. 63; Utah.
1950. *Entomobrya pseudoperpulchra* Wray (2216) p. 63; Utah.
1951. *Entomobrya* (*Entomobrya*) *atrocincta* Maynard (1393) p. 145; New York.
1951. *Entomobrya atrocincta pseudoperpulchra* Maynard (1393) p. 150, Pl. I, 21, XVII, 282-283; New York.
1956. *Entomobrya atrocincta* Wray & Knowlton (2214) p. 4; Idaho.
1956. *Entomobrya pseudoperpulchra* Wray & Knowlton (2214) p. 4; Idaho.
1958. *Entomobrya atrocincta* Christiansen (445) p. 464, Pl. 3, figs. 1–12; U.S.A.; Nearctic.
1959. *Entomobrya atrocincta* Wilkey (2350) p. 223; California.
1959. *Entomobrya atrocincta pseudoperpulchra* Wilkey (2350) p. 223; California.
1960. *Entomobrya atrocincta* Gisin (2271) p. 223, fig. 406; Europe; America; Synonymy.

Entomobrya aurantiaca Stach, 1922

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1922. *Entomobrya aurantiaca* Stach (1861) p. 126, Pl. X, figs. 7, 8; Albania.
1935. *Entomobrya aurantiaca* Denis (652) p. 331; Albania.
1960. *Entomobrya aurantiaca* Gisin (2271) p. 221, fig. 400; Albania.

Entomobrya auricorpa Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya auricorpa* Salmon (1676) p. 355, Pl. 58, figs. 304–306; New Zealand.

Entomobrya bauciana Moniez, 1894

1894. *Entomobrya bauciana* Moniez (1451) p. 481; France.
1923. *Entomobrya bauciana* Denis (611) p. 226, figs. 19, 20; France; Systematics.
1924. *Entomobrya bauciana* Denis (614) p. 292; France.
1931. *Entomobrya bauciana* Bonet (205) p. 382; France

Entomobrya bicolor Guthrie, 1903

1903. *Entomobrya bicolor* Guthrie (951) p. 73, Pl. XVI, fig. 2; Minnesota.
1934. *Entomobrya bicolor* Mills (1417) p. 70; Iowa, U.S.A.
1938. *Entomobrya bicolor* Brimley (275) p. 15; North Carolina.
1938. *Entomobrya bicolor* Mills (1421) p. 15; North Carolina.
1946. *Entomobrya bicolor* Pearse (1575) p. 139; Ecology.
1958. *Entomobrya bicolor* Christiansen (445) p. 500, Pl. 14, figs. 1–8; Nearctic.

Entomobrya bidentata Salmon, 1954

TYPE: Brit. Mus. Nat. Hist., London.
1954. *Entomobrya bidentata* Salmon (1700) p. 74, figs. 5–6; East Africa.

Entomobrya binoculata Schött, 1896

1896. *Entomobrya binoculata* Schött (1769) p. 178, Pl. I, figs. 17–19; North America.
1913. *Entomobrya binoculata* Bacon (90) p. 113, Claremont; Associated with termites.
1914. *Entomobrya binoculata* Bacon (94) p. 157, Pl. III, fig. 3; California.
1933. *Sinella binoculata* Mills & Rolfs (1431) p. 81; Washington.
1937. *Entomobrya binoculata* Scott (1795) p. 132; California.
1942. *Sinella binoculata* Scott (1796) p. 180; West U.S.A.

Entomobrya brunneicapilla Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1961. *Entomobrya (Entomobrya) brunneicapilla* Maynard (1393) p. 142, Pl. XV, figs. 252–255; New York.

Entomobrya caerulea Schött, 1926

1926. *Entomobrya caerulea* Schött (1779) p. 11, Pl. I, figs. 22–23; Cameroons.

Entomobrya caesarea Latzel, 1917

1917. *Entomobrya caesarea* Latzel (1249) p. 242; Austrian Alps.
1922. *Entomobrya caesarea* Latzel (1250) p. 65; Ostalpen & Karstes.

Entomobrya carbonaria Bonet, 1933

1933. *Entomobrya carbonaria* Bonet (209) p. 139, figs. VII and VIII; Argentina.

Entomobrya ciliata Börner, 1907

1907. *Entomobrya ciliata* Börner (244) p. 170, fig. 34; South America.

Entomobrya cincta (Lubbock) 1862

1862. *Degeeria cincta* Lubbock (1315) p. 594; England.
1873. *Degeeria cincta* McIntire (1353) p. 6, fig. 7; Britain.
1880. *Degeeria cincta* Reuter (1629) p. 207; Scotland; Shetlands; Orkneys.
1887. *Degeeria cincta* Oudemans (1510) p. 98; Holland.
1895. *Entomobrya cincta* Parona (1565) p. 699; Argentina.
1910. *Degeeria cincta* Collinge & Shoebotham (472) p. 113; = *E. albocincta.*

Entomobrya clitellaria Guthrie, 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, Minn., U.S.A.
1903. *Entomobrya clitellaria* Guthrie (951) p. 75, Pl. XV; Minnesota.
1905. *Entomobrya albicollis* Franklin (816) p. 77, Pl. V, figs. 1–5; U.S.A.
1914. *Entomobrya clitellaria* Bacon (94) p. 158, Pl. III, fig. 4; California.
1933. *Entomobrya clitellaria* James (1124) p. 105; Toronto Region.
1933. *Entomobrya ontarionensis* James (1124) p. 106, Pl. IV, figs. 1–4; Toronto.
1934. *Entomobrya clitellaria* Mills (1417) p. 70, figs. 10, 119; Iowa.
1934. *Entomobrya clitellaria* Womersley (2178) p. 110, text-fig. 10, d-g, l-m; Australia.
1937. *Entomobrya clitellaria* Scott (1795) p. 131; California.
1937. *Entomobrya clitellaria* Womersley (2188) p. 156; Tasmania.
1939. *Entomobrya clitellaria* Womersley (2190) p. 177, Pl. I, figs. 1, 58 D-F; Australia.
1942. *Entomobrya atrocincta clitellaria* Bonet (211) p. 57.
1942. *Entomobrya atrocincta millsi* Bonet (211) p. 57; Iowa.
1942. *Entomobrya clitellaria* Scott (1796) p. 182; West U.S.A.
1942. *Entomobrya cyanica* Scott (1796) p. 180, figs. 1–3; U.S. Pacific Coast.
1944. *Entomobrya atrocincta clitellaria* Salmon (1683) p. 155; Synonymy; New Zealand.
1951. *Entomobrya atrocincta albicollis* Maynard (1393) p. 153, Pl. XVII, 276, 277; New York.
1951. *Entomobrya atrocincta clitellaria* Maynard (1393) p. 152, Pl. I, 20, XVII, 280; New York.
1951. *Entomobrya atrocincta millsi* Maynard (1393) p. 152, Pl. I, 18, XVII, 278–279; New York.
1951. *Entomobrya atrocincta ontarionensis* Maynard (1393) p. 151, Pl. I, 19, XVII, 281; New York.
1958. *Entomobrya clitellaria* Christiansen (445) p. 479, Pl. 8, figs. 1–14; Nearctic.

Entomobrya clitellaria newmani Womersley, 1934

1934. *Entomobrya clitellaria newmani* Womersley (2178) p. 111, fig. 10 m; Australia.
1941. *Entomobrya clitellaria newmani* Salmon (1676) p. 356; New Zealand.
1936. *Entomobrya clitellaria newmani* Womersley (2183) p. 322; New Zealand.
1939. *Entomobrya clitellaria newmani* Womersley (2190) p. 177; Australia.

Entomobrya cobaltina Schött, 1917

1917. *Entomobrya cobaltina* Schött (1774) p. 18; Nth. Queensland.
1934. *Drepanura cobaltina* Womersley (2178) p. 115; W. Australia.
1939. *Drepanura cobaltina* Womersley (2190) p. 183; Australia.

Entomobrya coeruleopicta Marlier, 1945

1945. *Entomobrya coeruleopicta* Marlier (1377) p. 254, fig. 1; Belgian Congo.

Entomobrya cognata Latzel, 1917

1917. *Entomobrya cognata* Latzel (1249) p. 240; Austrian Alps.
1922. *Entomobrya cognata* Latzel (1250) p. 63; Ostalpen and Karstes.

Entomobrya cognata albicans Latzel, 1917

1917. *Entomobrya cognata albicans* Latzel (1249) p. 240; Austrian Alps.
1922. *Entomobrya cognata albicans* Latzel (1250) p. 63; Ostalpen and Karstes.

Entomobrya cognata nigricans Latzel, 1917

1917. *Entomobrya cognata nigricans* Latzel (1249) p. 240; Austria.
1922. *Entomobrya cognata nigricans* Latzel (1250) p. 63; Ostalpen and Karstes.

Entomobrya comosa Börner, 1903

1903. *Entomobrya comosa* Börner (239) p. 145, fig. 11; Russia.

Entomobrya comparata Folsom, 1919

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1919. *Entomobrya comparata* Folsom (791) p. 13A, Pl. 7, figs. 58–63; N.W. Territories; Alaska.
1932. *Entomobrya comparata* Brown (312) p. 337; Canada.
1935. *Entomobrya frontalis* Mills (1418) p. 136, figs. 5, 6; Washington.
1953. *Entomobrya comparata* Hammer (972) p. 55; Nth. Canada, Alaska.
1953. *Entomobrya comparata* Mills & Richards (1430) p. 58; Nth. Canada.
1958. *Entomobrya comparata* Christiansen (445) p. 476, Pl. 7, figs. 1–18; Nearctic.

Entomobrya comparata folsomi Bonet, 1933

1933. *Entomobrya comparata folsomi* Bonet (209) p. 159; Argentina.

Entomobrya confusa (Tullberg, 1872) Christiansen, 1958

1872. *Degeeria marginata* Tullberg (2003) p. 41, Pl. VII, fig. 1; Sweden.
1934. *Entomobrya marginata* Mills (1417) p. 67, fig. 117; Iowa.
1958. *Entomobrya confusa* Christiansen (445) p. 494, Pl. 12, figs. 1–14; Colorado.

Entomobrya corticalis (Nicolet) 1842

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1842. *Degeeria corticalis* Nicolet (1493) p. 72, Pl. VIII, fig. 3; Europe.
1844. *Degeeria corticalis* Gervais (841) p. 424; Switzerland.
1844. *Degeeria corticalis* Lucas (1327) p. 294; Reference only.
1847. *Degeeria corticalis* Nicolet (1496) p. 369; Switzerland.
1869. *Degeeria corticalis* Porath (1608) p. 652; Scandinavia.
1872. *Degeeria corticalis* Tullberg (2003) p. 40; Sweden.
1876. *Degeeria corticalis* Reuter (1628) p. 81; Finland.
1878. *Degeeria corticalis* Parona (1557) p. 597; Italy.
1883. *Entomobrya multifasciata* Brook (292) p. 275; *ad partem;* Taxonomy.
1883. *Degeeria corticalis* Parona (1558) p. 462; Italy.
1886. *Entomobrya corticalis* Reuter (1637) p. 179.
1888. *Degeeria corticalis* Parona (1563) p. 142; Italy.
1890. *Entomobrya corticalis* Uzel (2050) p. 58; Bohemia.
1893. *Entomobrya corticalis* Schött (1765) p. 51; Sweden.
1895. *Entomobrya corticalis* Reuter (1643) p. 22; Finland.
1896. *Entomobrya corticalis* Lie-Pettersen (1281) p. 14; Norway.
1897. *Entomobrya corticalis* Poppe & Schaeffer (1607), p. 270; Germany.
1897. *Entomobrya corticalis* Schäffer (1735) p. 197; Germany.
1898. *Entomobrya corticalis* Lie-Pettersen (1282) p. 11; Norway.
1899. *Entomobrya corticlais* Carl (351) p. 2; France.
1899. *Entomobrya corticalis* Carl (352) p. 334; Switzerland.
1900. *Entomobrya corticalis* Schäffer (1739) p. 263; Diagnosis; Germany.
1900. *Entomobrya corticalis* Willem (2123) p. —, Pl. X, fig. 1; Systematics.
1901. *Entomobrya corticalis* Börner (234) p. 69; Germany.
1901. *Entomobrya corticalis* Krausbauer (1204) p. 74; Germany.
1902. *Entomobrya corticalis* Becker (158) p. 28; Russia.
1903. *Entomobrya corticalis* Ågren (55) p. 156; Sweden.
1905. *Entomobrya corticalis* Axelson (81) p. 38; Tvärminne, Finland.
1906. *Entomobrya corticalis* Lie-Pettersen (1284) p. 68; Norway.
1906. *Entomobrya corticalis* Wahlgren (2080) p. 260; Sweden.
1907. *Entomobrya corticalis* Axelson (83) p. 132; Finland.
1908. *Entomobrya corticalis* Schille (1755) p. 10; Poland.
1911. *Entomobrya corticalis* Axelson (1291) p. 22; Norway.
1912. *Entomobrya corticalis* Axelson (1292) p. 201; Finland.
1912. *Entomobrya corticalis* Dahl (496) p. 425; Ecology.
1912. *Entomobrya corticalis* Schille (1756) p. 10; Galizien.
1916. *Entomobrya corticalis* Bartholin (149) p. 191; Denmark.
1919. *Entomobrya corticalis* Handschin (977) p. 82; Europe; Japan.
1919. *Entomobrya corticalis* Wahlgren (2089) p. 751; Sweden.
1920. *Entomobrya corticalis* Stach (1859) p. 187; Poland, Mid. and Nth. Europe.
1921. *Entomobrya corticalis* Denis (607) p. 127; France.
1922. *Entomobrya corticalis* Latzel (1250) p. 64; Ostalpen and Karstes.
1922. *Entomobrya corticalis* Stach (1860) p. 43; Hungary.
1924. *Entomobrya corticalis* Denis (614) p. 292; France.
1925. *Entomobrya corticalis* Denis (617) p. 211; Italy.
1928. *Entomobrya corticalis* Handschin (1003) p. 129; East Prussia.
1929. *Entomobrya corticalis* Handschin (1008) p. 83, fig. 152; under bark.
1929. *Entomobrya corticalis* Stach (1869) p. 300; Europe.
1930. *Entomobrya corticalis* Buitendijk (334) p. 62; Holland.
1931. *Entomobrya corticalis* Denis (639) p. 220; Germany.
1933. *Entomobrya corticalis* Schubert (1787) p. 184; Ecology.
1934. *Entomobrya corticalis* Durkop (707) p. 506; Germany.
1934. *Entomobrya corticalis* Perrier (1576) p. 37; France.

1934. *Entomobrya corticalis* Volz (2069) p. 173; Ecology.
1935. *Entomobrya corticalis* Schubert (1790) p. 94; Europe.
1935. *Entomobrya corticalis* Schubert (1791) p. 124–; Germany.
1936. *Entomobrya corticalis* Nordberg (1500) p. 34–; Ecology.
1937. *Entomobrya corticalis* Frenzel (828) p. 296; Ecology.
1937. *Entomobrya corticalis* Schubert (1792) p. 127; Europe.
1938. *Entomobrya corticola* Brimley (275) p. 15; North Carolina.
1938. *Entomobrya corticalis* Kseneman (1220) p. 19; Europe.
1938. *Entomobrya corticalis* Uchida (2015) p. 8; Japan.
1939. *Entomobrya corticalis* Mills (1422) p. 159; North America.
1939. *Entomobrya corticola* Savely (1729) p. 377; Ecology.
1941. *Entomobrya corticalis* Buitendijk (336) p. 56; Netherlands; Europe.
1942. *Entomobrya corticalis* Brimley (276) p. 4; North Carolina.
1942. *Entomobrya corticalis* Marlier (1375) p. 9; Belgium.
1942. *Entomobrya corticalis* Mills (1423) p. 4; North Carolina.
1943. *Entomobrya corticalis* Agrell (47) p. 126; Sweden.
1943. *Entomobrya corticalis* Gisin (853) p. 169; Switzerland.
1945. *Entomobrya corticalis* Agrell (50) p. 10; Sweden; Finland; Habitats.
1948. *Entomobrya* (*Entomobra*) *corticalis* Uchida (2022) p. 3; China.
1949. *Entomobrya corticalis* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Entomobrya corticalis* Praport (1610) p. 143; Poland.
1952. *Entomobrya corticalis* Minch (1433) p. 33; U.S.A.
1955. *Entomobrya corticalis* Chopard (434) p. 22; France.
1955. *Entomobrya corticalis* Stach (1893) p. 162, fig. 487; Poland.
1956. *Entomobrya corticalis* Bockemuhl (193) p. 143; Spitzbergen.
1957. *Entomobrya corticalis* Pschorn-Walcher & Gunhold (2322) p. 347; Ecology.
1957. *Entomobrya corticalis* Uchida (2042) p. 44; Japan.
1958. *Entomobrya corticalis* Grandbergs (2276) p. 75; Latvia.
1958. *Entomobrya corticalis* Grindbergs (2277) p. 199; Latvia.
1958. *Entomobrya corticalis* Kholova (1169) p. 235; Bohemia.
1958. *Entomobrya corticalis* von Torne (1993) p. 668; Austria.
1959. *Entomobrya corticalis* Stach (1896) p. 44; Poland.
1960. *Entomobrya corticalis* Gisin (2271) p. 224, fig. 409; Europe.
1960. *Entomobrya* (*Entomobrya*) *corticalis* Grindbergs (2373) p. 48; U.S.S.R.
1960. *Entomobrya corticalis* Simon (2338) p. 36; Ecology.

Entomobrya corticalis affinis Börner, 1909

1909. *Entomobrya corticalis affinis* Börner (246) p. 118; Japan.
1957. *Entomobrya corticalis affinis* Uchida (2042) p. 44; Japan.

Entomobrya corticalis pallida Schaeffer, 1900

1900. *Entomobrya corticalis pallida* Schaeffer (1739) p 263, fig. 30; Germany.
1908. *Entomobrya corticalis pallida* Schille (1755) p. 10; Poland.
1912. *Entomobrya corticalis pallida* Schille (1756) p. 10; Galizien.
1912. *Entomobrya corticalis pallida* Schille (2394) p. 128; Poland.

Entomobrya crassa Imms, 1912

TYPE: Indian Mus., Calcutta.
1912. *Entomobrya crassa* Imms (1090) p. 96, Pl. VII, figs. 30, 31; Himalayas.
1955. *Mydonius crassa* Baijal (1369) p. 511; N.W. Himalayas.

Entomobrya crassicornis (Bourlet) 1841

1841. *Podura crassicornis* Bourlet (261) p. 153; Europe.
1842. *Podura crassicornis* Bourlet (265) p. 60; Europe.
1847. *Degeeria crassicornis* Nicolet (1496) p. 370; Chile.
1849. *Degeeria crassicornis* Nicolet (1497) p. 91; Chile.
1891. *Sira crassicornis* Uzel (2050) p. 54; Bohemia.
1960. *Sira crassicornis* Grindbergs (2373) p. 64; U.S.S.R.

Entomobrya cubensis Folsom, 1927

SYNTYPES: Mus. Comp. Zool., Harvard.
SYNTYPES, COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1927. *Entomobrya cubensis* Folsom (799) p. 7, Pl. 6, figs. 46–50; Cuba.
1950. *Entomobrya cubensis* Wolcott (2145) p. 34; Puerto Rico.

Entomobrya cuniculicola Pritchard, 1932

TYPE: Auckland Inst. and Mus., N.Z.
1932. *Entomobrya cuniculicola* Pritchard (1611) p. 135, figs. 1–9; Auckland, New Zealand.

Entomobrya cyanea (Tullberg) 1871

1871. *Degeeria cyanea* Tullberg (2002) p. 149; Sweden.

Entomobrya decemfasciata (Packard) 1873

TYPES and LECTOTYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1873. *Degeeria decem-fasciata* Packard (1521) p. 40; U.S.A.
1873. *Degeeria flavopicta* Packard (1521) p. 40, = *D. flavocincta* ? p. 26.
1928. *Entomobrya decemfasciata* Handschin (1002) p. 542, figs. 21, 22; Mexico; Systematics.
1929. *Entomobrya decemfasciata* Handschin (1008) p. 81, fig. 149; Europe; Nth. America.
1932. *Entomobrya intonsa* Mills (1416) p. 265, figs. 13–15; Texas.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1933. *Entomobrya nivalis decemfasciata* Bonet (209) p. 147, fig. XII, 1; Argentina.
1934. *Entomobrya decemfasciata* Womersley (2177) p. 458, fig. 8 a-c; South Africa.
1934. *Entomobrya decemfasciata* Womersley (2177) p. 469; Cosmopolitan; Europe; Sth. Rhodesia; Sth. Africa.
1938. *Entomobrya nivalis decemfasciata* Strebel (1917) p. 115; Germany; Ecology.
1942. *Entomobrya decemfasciata* Marlier (1375) p. 9; Belgium.

1949. *Entomobrya nivalis decemfasciata* Strenzke (1922) p. 207; Germany; Ecology.
1957. *Entomobrya stachi* Wray (2211) p. 114, fig. 5; North Carolina.
1958. *Entomobrya decemfasciata* Christiansen (445) p. 510, Pl. 10, figs. 5–16; Tennessee; Texas.

Entomobrya decora (Nicolet) 1847

1847. *Degeeria decora* Nicolet (1496) p. 370; Chile.
1849. *Degeeria decora* Nicolet (1497) p. 90; Chile.
1884. *Entomobrya decora* Brook (292) p. 280; Chile; Original description.
1921. *Entomobrya decora* Schött (1775) p. 36, Pl. I, figs. 5, 6; Juan Fernandez I.
1933. *Entomobrya decora* Bonet (209) p. 132, fig. III; Argentina; Ad. descr.

Entomobrya decora albicans Bonet, 1933

1933. *Entomobrya decora albicans* Bonet (209) p. 136; Argentina.

Entomobrya depressa Marlier, 1945

1945. *Entomobrya depressa* Marlier (1377) p. 254, fig. 2; Belgian Congo.

Entomobrya disjuncta (Nicolet) 1842

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1842. *Degeeria disjuncta* Nicolet (1493) p. 71, Pl. 8, fig. 2; Switzerland; France.
1844. *Degeeria disjuncta* Gervais (841) p. 423; Switzerland.
1844. *Degeeria disjuncta* Lucas (1327) p. 294; Reference only.
1847. *Degeeria disjuncta* Nicolet (1496) p. 369; Switzerland; France.
1878. *Degeeria disjuncta* Parona (1557) p. 596; Italy.
1883. *Degeeria disjuncta* Parona (1558) p. 457; Italy.
1887. *Degeeria disjuncta* Oudemans (1510) p. 98; Holland.
1888. *Degeeria disjuncta* Parona (1563) p. 142; Italy.
1891. *Entomobrya disjuncta* Uzel (2050) p. 59; Czechoslovakia.
1895. *Entomobrya* (*De Geeria*) *disjuncta* Parona (1565) p. 699; Argentina.
1912. *Entomobrya disjuncta* Dahl (496) p. 426; Ecology.
1922. *Entomobrya disjuncta* Denis (609) p. 112; Ile de Yeu, France.
1922. *Entomobrya disjuncta* Latzel (1250) p. 65; Nth. Tirol, Austria.
1924. *Entomobrya disjuncta* Denis (614) p. 292; France.
1924. *Entomobrya disjuncta* Houlbert (1078) p. 118; France.
1925. *Entomobrya disjuncta* Denis (617) p. 211; Italy.
1930. *Degeeria disjuncta* Buitendijk (334) p. 75; Holland.
1942. *Entomobrya disjuncta* Handschin (1012) p. 410, fig. 3; Palestine.

Entomobrya ditellaria Franklin, 1905

1905. *Entomobrya ditellaria* Franklin (816) p. 79; U.S.A.

Entomobrya divafusca Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya divafusca* Salmon (1676) p. 353, Pl. 57, figs. 298–300; New Zealand.

Entomobrya dorsalis Uzel, 1890

1890. *Entomobrya dorsalis* Uzel (2050) p. 60, Pl. I, 6, II, 8, 9; Czechoslovakia.
1898. *Entomobrya dorsalis* Scherbakow (1750) p. 59; Kiev, Russia.
1900. *Entomobrya dorsalis* Vellay (2056) p. 20; Hungary.
1906. *Entomobrya dorsalis* Börner (243) p. 186; Europe.
1908. *Entomobrya dorsalis* Schille (1755) p. 10; Poland.
1912. *Entomobrya dorsalis* Schille (1756) p. 10; Poland.
1912. *Entomobrya dorsalis* Schille (2394) p. 128; Poland.
1920. *Entomobrya dorsalis* Stach (1859) p. 189; Poland; Czechoslovakia.
1922. *Entomobrya dorsalis* Latzel (1250) p. 62; Ostalpen & Karstes.
1930. *Entomobrya dorsalis* Stach (1869) p. 304; Europe.

Entomobrya dorsalis arcuata Latzel, 1917

1917. *Entomobrya dorsalis arcuata* Latzel (1249) p. 239; Austria.
1922. *Entomobrya dorsalis arcuata* Latzel (1250) p. 62; Ostalpen and Karstes.

Entomobrya duofascia Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya duofascia* Salmon (1676) p. 363, Pl. 60, fig. 333; New Zealand.

Entomobrya duofascia maxima Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya duofascia maxima* Salmon (1676) p. 363, Pl. 60, fig. 332; New Zealand.

Entomobrya duofascia variabila Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya duofascia variabila* Salmon (1676) p. 363, Pl. 60, fig. 334; New Zealand.

Entomobrya duolineata Bueker, 1939

1939. *Entomobrya duolineata* Bueker (332) p. 14, figs. 59–61; St. Louis, U.S.A.
1959. *Entomobrya ligata* Christiansen (2265); re-re-classified.

Entomobrya egmontia Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya egmontia* Salmon (1676) p. 357, Pl. 59, fig. 319; New Zealand.
1943. *Entomobrya egmontia* Salmon (1680) p. 385, New Zealand habitat.

Entomobrya elongata (Nicolet)

1842. *Degeeria elongata* Nicolet (1493) p. 73, Pl. 8, fig. 6; Switzerland.
1844. *Degeeria elongata* Gervais (841) p. 425; Switzerland.
1844. *Degeeria elongata* Lucas (1327) p. 294; Europe.
1847. *Degeeria elongata* Nicolet (1496) p. 369; Switzerland.
1871. *Degeeria elongata* Tullberg (2002) p. 148; Sweden.
1875. *Degeeria elongata* Parona (1556) p. 299; Italy.

Entomobrya ephippiaterga Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya ephippiaterga* Salmon (1676) p. 356, Pl. 58, figs. 308–309; New Zealand.

Entomobrya erudita (Nicolet) 1842

1842. *Degeeria erudita* Nicolet (1493) p. 74, Pl. 8, fig. 7; Switzerland; France.
1844. *Degeeria erudita* Gervais (841) p. 425; Switzerland.
1844. *Degeeria erudita* Lucas (1327) p. 294; Reference only.
1847. *Degeeria erudita* Nicolet (1496) p. 369; Switzerland; France.
1875. *Degeeria erudita* Parona (1556) p. 299; Italy.
1878. *Seira erudita* Parona (1557) p. 587; Italy.
1907. *Sira erudita* Wahlgren (2083) p. 5; Boreal.
1934. *Seira erudita* Perrier (1576) p. 39; France.

Entomobrya exfoliata Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.

1943. *Entomobrya exfoliata* Salmon (1680) p. 385, Pl. 42, figs. 52–55; New Zealand.

1949. *Mydonius exfoliatus* Salmon (1689) p. 40; Campbell Island.

Entomobrya exoricarva Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Entomobrya exoricarva* Salmon (1676) p. 358, Pl. 58, figs. 315–317; New Zealand

1947. *Entomobrya exoricarva* Powell (1609) p. 44, fig. 210; New Zealand.

Entomobrya feoe Parona, 1893

1893. *Entomobrya feoe* Parona (1564) p. 134, Pl 1, figs. 15–16; Burma.

1903. *Paronella feoe* Schött (1773) p. 10, Pl. I, fig. 20, Pl. II, fig. 6; Diagnosis, India; Burma.

Entomobrya florensis Oudemans, 1890

1890. *Entomobrya florensis* Oudemans (1512) p. 86, fig. 15; Indian Archipelagos.

1903. *Paronella florensis* Schött (1773) p. 11, Pl. I, figs. 25, 26, Pl. II, fig. 3; Diagnosis, Sumatra.

1932. *Aphysa florensis* Handchin (1010) p. 483; Java.

Entomobrya florulenta Ritter, 1911

1911. *Entomobrya florulenta* Ritter (1661) p. 385, figs. 19–21; India.

Entomobrya frontalis Mills, 1935

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.

1935. *Entomobrya frontalis* Mills (1418) p. 136, figs. 5, 6; Washington.

Entomobrya fuliginosa (Templeton) 1835

1835. *Podura fuliginosa* Templeton (1957) p. 95, Pl. XII, fig. 3; Ireland.

1840. *Podura fuliginosa* Lucas (1326) p. 566; Cranmore, Ireland.

Entomobrya gisini Christiansen, 1958

HOLOTYPE: Auth. Colln., Grinnell College, Iowa, U.S.A.

1958. *Entomobrya gisini* Christiansen (445) p. 502, Pl. 14, figs. 9–16; Nth. Carolina; Alberta.

*** Entomobrya grassei** Delamare Deboutteville, 1957

TYPE: Auth. Colln., Univ. Nancy, France.

1947. *Entomobrya grassei* Delamare Deboutteville (547) p. 453; Ivory Coast.

1952. *Entomobrya grassei* Delamare Deboutteville (2267) p. 71, figs. 28–30; Ivory Coast.

Entomobrya griseo-olivata (Packard) 1873

TYPES, LECTOTYPE and PARATYPE: Mus. Comp. Zool., Harvard.

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.

1873. *Degeeria griseo-olivata* Packard (1521) p. 39; Massachusetts.

1884. *Entomobrya griseo-olivata* Brook (292) p. 281; Nth. America; Original description.

1891. *Entomobrya griseo-olivata* MacGillivray (1341) p. 273; Massechusetts, New York.

1909. *Entomobrya griseoolivata* Dow & Smith (692) p. 35; New Jersey.

1933. *Entomobrya griseo-olivata* James (1124) p. 104; Canada.

1933. *Entomobrya griseo-olivata* Mills & Rolfs (1431) p. 81; Washington.

1934. *Entomobrya griseo-olivata* Mills (1417) p. 68, fig. 118; Iowa.

1942. *Entomobrya griseo-olivata* Scott (1796) p. 182; West U.S.A.

1951. *Entomobrya griseo-olivata* Wilkey (2120) p. 79; Colorado.

1958. *Entomobrya griseoolivata* Christiansen (445) p. 466, Pl. 4, figs. 1–15; Nearctic.

1959. *Entomobrya griseoolivata* Wilkey (2350) p. 223; California.

Entomobrya handschini Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1922. *Entomobrya handschini* Stach (1860) p. 44, Pl. IV, figs. 10, 11; Hungary.

1930. *Entomobrya handschini* Stach (1869) p. 301; Hungary; Austria.

1937. *Entomobrya handschini* Drenowski (695) p. 3; Bulgaria.

1937. *Entomobrya handschini* Strebel (1915) p. 259–; Greece.

1941. *Entomobrya handschini* Szent-Ivany (1947) p. 22; Hungary.

1955. *Entomobrya handschini* Stach (1893) p. 165, figs. 495–496; Poland; Slovakia; Greece.

1960. *Entomobrya handschini* Gisin (2271) p. 222, fig. 403; Hungary; Greece.

1960. *Entomobrya* (*Entomobrya*) *handschini* Grindbergs (2373) p. 48; U.S.S.R.

Entomobrya handschini aethiopella Stach, 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1930. *Entomobrya Handschini aethiopella* Stach (1869) p. 302; Hungary.

1941. *Entomobrya Handschini aethiopella* Szent-Ivany (1947) p. 22; Hungary.

Entomobrya handschini crucifera Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1922. *Entomobrya handschini crucifera* Stach (1860) p. 45; Hungary.

1930. *Entomobrya handschini crucifera* Stach (1869) p. 302, Hungary, Austria.

1941. *Entomobrya handschini crucifera* Szent-Ivany (1947) p. 22; Hungary.

Entomobrya hexfasciata Harvey, 1895

1895. *Entomobrya hexfasciata* Harvey (1032) p. 196, fig. 1; U.S.A.

1959. *Entomobrya hexfasciata* Paclt (2316) p. 47; South Africa.

Entomobrya himalayensis (Baijal) 1955

TYPE: Zool. Surv., India, Calcutta.

1955. *Mydonius himalayensis* Baijal (131) p. 176, figs. 5–8; Himalayas.

1955. *Mydonius himalayensis* Baijal (1369) p. 511; N.W. Himalayas.

Entomobrya hurunuiensis Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Entomobrya hurunuiensis* Salmon (1676) p. 365, Pl. 60, figs. 337–338; New Zealand.

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* This name first published in 1947 without any description is invalid under Art. 13 of the International Rules of Zoological Nomenclature.

Entomobrya hutchinsoni Denis, 1936

1936. *Entomobrya Hutchinsoni* Denis (661) p. 282, fig. 60; Indian Tibet.
1955. *Mydonius hutchinsoni* Baijal (1369) p. 511; N.W. Himalayas.

Entomobrya imminuta (Folsom) 1932

1932. *Entomobrya multifasciata imminuta* Folsom (801) p. 64, Pl. 7, figs. 72–75; Hawaii.
1935. *Entomobrya imminuta* Carpenter (400) p. 372; Marquesas Is.

Entomobrya inaequalis Denis, 1924

1924. *Entomobrya inaequalis* Denis (616) p. 236, figs. 55–56; Brazil.

Entomobrya incerta (Nicolet) 1847

1847. *Degeeria incerta* Nicolet (1496) p. 370; Chile.
1849. *Degeeria incerta* Nicolet (1497) p. 90; Chile.
1884. *Entomobrya incerta* Brook (292) p. 280; Chile; Original description.

Entomobrya inermis Stach, 1960

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1960. *Entomobrya inermis* Stach (2586) p. 520, Pl. LXXI, figs. 5–9; Afghanistan.

Entomobrya infuscata Handschin, 1927

1927. *Entomobrya infuscata* Handschin (997) p. 112, Pl. 4, figs. 9, 10; Costa Rica.
1932. *Entomobrya infuscata* Denis (638) p. 162; Costa Rica.

Entomobrya inquilina Delamare Deboutteville, 1947

TYPE: Auth. Colln., Univ. Nancy, France.
1947. *Entomobrya inquilina* Delamare Deboutteville (551) p. 349, figs. 1–6; Ivory Coast.

Entomobrya insularis Carpenter, 1904

SYNTYPES: Brit. Mus. Nat. Hist., London; and Museum, Dublin, Ireland.
1904. *Entomobrya insularis* Carpenter (374) p. 301, Pl. IX, figs. 7–11; Hawaii.
1932. *Entomobrya insularis* Folsom (801) p. 64; Hawaii.
1948. *Entomobrya insularis* Zimmerman (2237) p. 59; Hawaii.

Entomobrya italica Tarsia in Curia, 1941

1941. *Entomobrya italica* Tarsia in Curia (1955) p. 263, figs. 3, 4; Italy.

Entomobrya kalakaua Carpenter, 1904

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1904. *Entomobrya kalakaua* Carpenter (374) p. 301, Pl. IX, figs. 12–16, Kauai–Hawaii Is.
1932. *Entomobrya kalakaua* Folsom (801) p. 64; Hawaii.
1948. *Entomobrya kalakaua* Zimmerman (2237) p. 59; Hawaii.

Entomobrya kali Imms, 1912

TYPES: Indian Museum, Calcutta.
PARATYPES: Brit. Mus. Nat. Hist., London.
1912. *Entomobrya kali* Imms (1090) p. 95, Pl. VII, fig. 33, Pl. VIII, figs. 34–36; Calcutta.

Entomobrya kali lutea Imms, 1912

TYPE: Indian Museum, Calcutta.
1912. *Entomobrya kali lutea* Imms (1090) p. 96; Simla.
1955. *Mydonius kali lutea* Baijal (1369) p. 511; N.W. Himalayas.

Entomobrya kincaidi Folsom, 1902

1902. *Entomobrya kincaidi* Folsom (781) p. 96, Pl. VIII, figs. 43–45; Alaska.
1932. *Entomobrya erratica* Brown (312) p. 336, Pl. XII, figs. 5–7; Nth. Canada.
1932. *Entomobrya kincaidi* Brown (312) p. 337; Alaska.
1944. *Entomobrya erratica* Gisin (854) p. 72; Systematics.
1958. *Entomobrya kincaidi* Christiansen (445) p. 482, Pl. 9, figs. 1–8; Alaska; Canada.

Entomobrya lactea Folsom, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Entomobrya lactea* Carpenter (399) p. 137; Society Islands.
1932. *Entomobrya lactea* Folsom (801) p. 65, Pl. 7, figs. 76–78; Honolulu.
1935. *Entomobrya lactea* Carpenter (400) p. 371; Marquesas Islands.
1948. *Entomobrya lactea* Zimmerman (2237) p. 59, fig. 25 a-d; Hawaii.

Entomobrya lamingtonensis Schött, 1917

PARATYPE: Sth. Austr. Mus., Adelaide.
1917. *Entomobrya lamingtonensis* Schött (1774) p. 13, South Queensland.
1930. *Entomobrya lamingtonensis* Womersley (2163) p. 60, figs. 11, 12; Ad. descr.
1934. *Entomobrya lamingtonensis* Womersley (2178) p. 112; Australia.
1939. *Entomobrya lamingtonensis* Womersley (2190) p. 180; Australia; Tasmania.
1941. *Entomobrya lamingtonensis* Salmon (1676) p. 353, figs. 302–303; New Zealand.
1943. *Entomobrya lamingtonensis* Salmon (1680) p. 385; New Zealand.

Entomobrya lanuginosa (Nicolet) 1842

1842. *Degeeria lanuginosa* Nicolet (1493) p. 74, Pl. 8, fig. 8; Europe.
1842. *Degeeria nivalis interrupta* Nicolet (1493) p. 71; Systematics.
1842. *Degeeria nivalis montana* Nicolet (1493) p. 71; Systematics.
1844. *Degeeria lanuginosa* Gervais (841) p. 425; Switzerland.
1844. *Degeeria lanuginosa* Lucas (1327) p. 294; Reference only.
1847. *Degeeria lanuginosa* Nicolet (1496) p. 369; Switzerland; France.
1868. *Degeeria lanuginosa* Lubbock (1316) p. 298, Pl. XXII, figs. 16–18; England.
1868. *Degeeria nicoletii* Lubbock (1316) p. 299, Pl. XXII, fig. 19; England.
1869. *Degeeria lanuginosa* MacIntire (1351) p. 205, and figs.; Morphology (scales).
1871. *Degeeria muscorum* Tullberg (2002) p. 148; Sweden.
1872. *Degeeria muscorum* Tullberg (2003) p. 1–; Sweden.
1873. *Degeeria lanuginosa* Lubbock (1318) p. 161; Pl. XXXIII; England.
1873. *Degeeria nicoletii* Lubbock (1318) p. 161; Pl. XXXIV; England.
1880. *Degeeria lanuginosa* Reuter (1629) p. 207; Scotland.
1882. *Degeeria lanuginosa* Parona (1558) p. 453–; Italy.
1883. *Degeeria lanuginosa* Parona (1558) p. 462; Italy.
1883. *Entomobrya lanuginosa* Reuter (1634) p. 75; Finland.
1884. *Entomobrya multifasciata partim* Brook (292); Taxonomy.

1886. *Entomobrya lanuginosa* Reuter (1637) p. 179; Finland.
1888. *Degeeria lanuginosa* Parona (1563) p. 142; Italy.
1891. *Entomobrya lanuginosa* Reuter (1639) p. 231; Finland.
1892. *Degeeria lanuginosa* Stummer-Traunfels (1935) p. 234; Morphology.
1895. *Entomobrya lanuginosa* Reuter (1643) p. 22; Finland.
1897. *Entomobrya lanuginosa* Poppe & Schaeffer (1607) p. 270; Germany.
1897. *Entomobrya lanuginosa* Schäffer (1735) p. 199; Germany.
1898. *Entomobrya lanuginosa* Scherbakow (1750) p. 59; Kiev, Russia.
1899. *Entomobrya lanuginosa* Carl (351) p. 3; France.
1899. *Entomobrya lanuginosa* Carl (352) p. 335; Switzerland.
1899. *Entomobrya lanuginosa* Wahlgren (2073) p. 189; Sweden.
1900. *Entomobrya lanuginosa* Lecaillon (1258) p. 72; France.
1900. *Entomobrya lanuginosa* Schäffer (1739) p. 262; Germany.
1900. *Entomobrya lanuginosa* Vellay (2056) p. 20; Hungary.
1901. *Entomobrya lanuginosa* Carl (354) p. 267; Switzerland.
1901. *Entomobrya lanuginosa* Krausbauer (1204) p. 75; Germany.
1902. *Entomobrya lanuginosa* Voights (2067) p. 524; Germany.
1903. *Entomobrya lanuginosa* Ågren (55) p. 153; Synonymy; Sweden.
1903. *Entomobrya lanuginosa* Diem (688) p. 359; Ecology.
1905. *Entomobrya lanuginosa* Axelson (81) p. 37; Tvärminne, Finland.
1906. *Entomobrya lanuginosa* Lie-Pettersen (1284) p. 67; Norway.
1906. *Entomobrya lanuginosa* Navas (1483) p. 165; Spain.
1906. *Entomobrya lanuginosa* Wahlgren (2080) p. 260; Sweden.
1907. *Entomobrya lanuginosa* Axelson (83) p. 131; Finland.
1908. *Entomobrya lanuginosa* Schille (1755) p. 10; Poland.
1909. *Entomobrya lanuginosa* Wahlgren (2081) p. 6; Cairo; Systematics.
1910. *Entomobrya lanuginosa* Bagnall (102) p. 504; Britain.
1912. *Entomobrya lanuginosa* Axelson (1292) p. 194; Finland.
1912. *Entomobrya lanuginosa* Schille (1756) p. 10; Poland.
1912. *Entomobrya lanuginosa* Schille (2394) p. 128; Poland.
1913. *Entomobrya lanuginosa* de Winter (2141) p. 202; Genetics.
1916. *Entomobrya lanuginosa* Bartholin (149) p. 193; Denmark.
1918. *Entomobrya lanuginosa* Brown (296) p. 186; England.
1921. *Entomobrya lanuginosa* Brown (301) p. 143; Isle of Wight.
1922. *Entomobrya lanuginosa* Denis (609) p. 112; Ile de Yeu; France.
1923. *Entomobrya lanuginosa* Stach (1863) p. 11; Germany.
1923. *Entomobrya lanuginosa* Womersley (2147) p. 34; S.W. England.
1924. *Entomobrya lanuginosa* Denis (614) p. 292; France.
1924. *Entomobrya lanuginosa* Handschin (981) p. 127; Switzerland.
1924. *Entomobrya lanuginosa* Houlbert (1078) p. 118, Pl. III, fig. 25; Europe.
1924. *Entomobrya lanuginosa* Stach (1864) p. 119; Malta; Systematics.
1925. *Entomobrya lanuginosa* Denis (617) p. 211; Italy.
1926. *Entomobrya lanuginosa* Brown (305) p. 208; Mesopotamia.
1929. *Entomobrya lanuginosa* Buitendijk (333) p. 22; Europe.
1929. *Entomobrya lanuginosa* Handschin (1007) p. 27; Egypt.
1930. *Entomobrya lanuginosa* Buitendijk (334) p. 62; Holland.
1930. *Entomobrya lanuginosa* Harnisch (1020) p. 68; Ecology.
1930. *Entomobrya lanuginosa* Kel'shtein (1161) p. 77; Russia.
1930. *Entomobrya lanuginosa* Stach (1869) p. 303; doubtful determination.
1931. *Entomobrya lanuginosa* Bonet (205) pp. 314, 383; Description; Europe; Spain, caves.
1931. *Entomobrya lanuginosa* Denis (639) p. 220; Germany.
1933. *Entomobrya lanuginosa* Denis (646) p. 185; Italy; Systematic ratios.
1934. *Entomobrya lanuginosa* Durkop (707) p. 506; Germany.
1934. *Entomobrya lanuginosa* Perrier (1576) p. 37; France.
1938. *Entomobrya lanuginosa* Kseneman (1220) p. 19; Europe; America.
1941. *Entomobrya lanuginosa* Buitendijk (336) p. 56; Netherlands; Europe.
1944. *Entomobrya lanuginosa* Colas (456) p. 37, fig. 195.
1947. *Entomobrya lanuginosa* Gisin (863) p. 545; Diagnosis; Switzerland.
1948. *Entomobrya lanuginosa* Gisin (869) p. 507; Switzerland; Ecology.
1955. *Entomobrya lanuginosa* Chopard (434) p. 23; France.
1955. *Entomobrya lanuginosa* Gridelli (938) p. 43; Venice.
1955. *Entomobrya lanuginosa* Palissa (1545) p. 482; Ecology.
1955. *Entomobrya lanuginosa* Stach (1893) p. 161; Poland.
1955. *Entomobrya lanuginosa* Strenzke (1926) p. 47; Europe; North America.
1956. *Entomobrya lanuginosa* Bockemuhl (193) p. 142; Spitzbergen.
1956. *Entomobrya lanuginosa* Stevanovic (1903) p. 4; Europe; Yugoslavia.
1958. *Entomobrya lanuginosa* Kholova (1169) p. 235; Bohemia.
1958. *Entomobrya lanuginosa* von Torne (1993) p. 668; Austria.
1959. *Entomobrya lanuginosa* Stach (1896) p. 44; Poland.
1959. *Entomobrya lanuginosa* Steiner (2343) p. 463; Spain.

1960. *Entomobrya lanuginosa* Gisin (2271) p. 220; Europe.
1960. *Entomobrya* (*Entomobrya*) *lanuginosa* Grindbergs (2373) p. 48; U.S.S.R.

Entomobrya lanuginosa maritima (Reuter) 1890, in litt.

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1890. *Entomobrya maritima* Reuter, *in litt.*
1891. *Entomobrya maritima* Reuter (1639) p. 231; Finland.
1893. *Entomobrya maritima* Schött (1765) p. 51; Finland.
1895. *Entomobrya maritima* Reuter (1643) p. 22; Finland; Hungary.
1900. *Entomobrya maritima* Vellay (2056) p. 21; Hungary.
1905. *Entomobrya lanuginosa maritima* Axelson (81) p. 37; Finland.
1907. *Entomobrya lanuginosa maritima* Axelson (83) p. 131, Finland.
1907. *Entomobrya lanuginosa maritima* Lie-Pettersen (1284) p. 67; Norway.
1912. *Entomobrya lanuginosa maritima* Axelson (1292) p. 196; Finland.
1917. *Entomobrya maritima* Bagnall (105) p. 84; **Britain.**
1922. *Entomobrya lanuginosa maritima* Denis (609) p. 112; France.
1924. *Entomobrya lanuginosa maritima* Houlbert (1078) p. 118; Europe.
1925. *Entomobrya lanuginosa maritima* Brown (304) p. 159; England; Isle of Wight.
1929. *Entomobrya lanuginosa maritima* Buitendijk (333) p. 19; Europe.
1930. *Entomobrya lanuginosa maritima* Buitendijk (334) p. 62; Holland.
1934. *Entomobrya lanuginosa-maritima* Denis (649) p. 212; France.
1941. *Entomobrya lanuginosa maritima* Buitendijk (336) p. 57; Netherlands; Norway; Belgium; Hungary.
1948. *Entomobrya lanuginosa-maritima* Denis (676) p. 224; Indo China; Systematics.
1960. *Entomobrya maritima* Gisin (2271) p. 220 = principal form.
1960. *Entomobrya* (*Entomobrya*) *lanuginosa maritima* Grindbergs (2373) p. 48; U.S.S.R.

Entomobrya lanuginosa muscorum (Tullberg, 1871) Ågren, 1903

1842. *Degeeria nivalis interrupta* Nicolet (1493) p. 71; Europe.
1871. *Degeeria muscorum, partim* Tullberg (2002) p. 148; Scandinavia.
1872. *Degeeria muscorum, partim* Tullberg (2003) p. 1–; Sweden.
1883. *Entomobrya multifasciata lanuginosa* Brook (292) p. 278; Europe; North America.
1884. *Entomobrya multifasciata typica, partim* Brook (292) p. 270–;
1900. *Entomobrya nicoletii muscorum* Schäffer (1739) p. 265; Germany.
1903. *Entomobrya lanuginosa* (Nic.) *ab muscorum, mihi* Ågren (55) p. 154; Sweden; Synonymy; Justification.

Entomobrya lanuginosa nicoleti (Lubbock, 1867) Ågren, 1903

1842. *Degeeria nivalis montana* Nicolet (1493) p. 71; Europe.
1867. *Degeeria nicoletii* Lubbock (1316) p. 299; Europe.
1871. *Degeeria muscorum, partim* Tullberg (2002) p. 148; Sweden.
1872. *Degeeria muscorum, partim* Tullberg (2003) pp. 1–70; Sweden.
1873. *Degeeria nicoletii* Lubbock (1318) p. 161, Pl. XXXIV; England.
1883. *Entomobrya multifasciata nicoletii* Brook (292) p. 278; Europe; North America.
1903. *Entomobrya lanuginosus* (Nic.) *ab nicoletii, mihi* Ågren (55) p. 154; Sweden; Synonymy; Justification.

Entomobrya lanuginosa olivacea Rapoport, 1962

1962. *Entomobrya lanuginosa olivacea* Rapoport (2534) p. 454, figs. 53–58; Argentina.

Entomobrya lateropicta Hammer, 1953

TYPE: Auth. Colln., Roland, Fredensburg, Denmark.
1953. *Entomobrya lateropicta* Hammer (972) p. 54; Nth. Canada.

Entomobrya ligata Folsom, 1924

SYNTYPES: Amer. Mus. Nat. Hist., New York.
CO TYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Entomobrya ligata* Folsom (797) p. 3, figs. 8–10: New York State.
1934. *Entomobrya corticalis* Bonet (209) p. 169; Synonymy.
1939. *Entomobrya ligata* Savely (1729) p. 377; Ecology.
1942. *Entomobrya ligata* Brimley (276) p. 4; North Carolina.
1942. *Entomobrya ligata* Mills (1423) p. 4; N. Carolina.
1944. *Entomobrya corticalis* Gisin (854) p. 78 (in part); Europe; Synonymy.
1946. *Entomobrya ligata* Pearse (1575) p. 139; Ecology.
1951. *Entomobrya corticalis* Maynard (1393) p. 158, Pl. XVI, fig. 266; New York.
1958. *Entomobrya ligata* Christiansen (445) p. 489, Pl. 11, figs. 1–7; U.S.A.

Entomobrya lindbergi Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Entomobrya Lindbergi* Stach (2586) p. 524, Pl. LXXIII, figs. 1–6; Afghanistan.

Entomobrya lineata Parona, 1893

1893. *Entomobrya lineata* Parona (1564) p. 132, Pl. I, figs. 13, 14; Burma.
1903. *Paronella lineata* Schött (1773) p. viii, Pl. I, figs. 15, 16; Hinter India; Burma; Chialla.
1934. *Entomobrya lineata* Volz (2069) p. 171; Ecology.

Entomobrya litigiosa Denis, 1931

1931. *Entomobrya litigiosa* Denis (638) p. 130, figs. 110–118; Costa Rica.

Entomobrya litigiosa fasciata Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Entomobrya litigiosa fasciata* Denis (638) p. 131, figs. 111–113; Costa Rica.
1933. *Entomobrya litigiosa fasciata* Denis (645) p. 243; Costa Rica.

Entomobrya livida Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya livida* Salmon (1676) p. 357, Pl. 58, figs. 313–314; New Zealand.

Entomobrya longicornis Oudemans, 1890

1890. *Entomobrya longicornis* Oudemans (1512) p. 74; Sumatra; Java.

Entomobrya longipes Bonet, 1933

1933. *Entomobrya longipes* Bonet (209) p. 142, figs. IX, X; Argentina.

Entomobrya loennbergi Wahlgren, 1899

1899. *Entomobrya lönnbergi* Wahlgren (2074) p. 847, figs. 1–3; Volga Delta.
1960. *Entomobrya (Entomobrya) loennbergi* Grindbergs (2373) p. 49; U.S.S.R.

Entomobrya loennbergi wahlgreni Bonet, 1933

1933. *Entomobrya (Drepanura) lönnbergi wahlgreni* Bonet (209) p. 156; Argentina.

Entomobrya macrocerata Bagnall, 1916

HOLOTYPE: Brit. Mus. Nat. Hist., London.
1916. *Entomobrya macrocerata* Bagnall (104) p. 110; Britain.
1933. *Entomobrya macrocerata* Turk (2007) p. 94; Britain.

Entomobrya maculata Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Entomobrya maculata* Stach (2586) p. 523, Pl. LXXII, figs. 6–9; Afghanistan.

Entomobrya maizeae Wray, 1948

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1948. *Entomobrya maizeae* Wray (2199) p. 50, figs. 24–27; Nth. Carolina.
1950. *Entomobrya maizeae* Wray (2202) p. 6; North Carolina.

Entomobrya manni (Baijal) 1955

TYPE: Zool. Surv., India, Calcutta.
1955. *Mydonius manni* Baijal (132) p. 533, 3 figs.; Himalayas.

Entomobrya margaritacea (Nicolet) 1842

1842. *Degeeria margaritacea* Nicolet (1493) p. 75, Pl. 8, fig. 9; Europe.
1844. *Degeeria margaritacea* Gervais (841) p. 425; Switzerland.
1844. *Degeeria margaritacea* Lucas (1327) p. 294; References.
1847. *Degeeria margaritacea* Nicolet (1496) p. 369; Switzerland.

Entomobrya marginata (Tullberg) 1871

1871. *Degeeria marginata* Tullberg (2002) p. 148; Sweden.
1872. *Degeeria marginata* Tullberg (2003) p. 41, Pl. VII, fig. 1; Sweden.
1873. *Degeeria griseo-olivata* Packard (1521) p. 15–; Massachusetts.
1884. *Entomobrya griseo-olivata* Brook (292) p. 270–; Taxonomy.
1884. *Entomobrya multifasciata* Brook (292) p. 270; Taxonomy.
1886. *Entomobrya marginata* Reuter (1637) p. 179.
1887. *Degeeria marginata* Oudemans (1510) p. 98; Holland.
1891. *Entomobrya griseo-olivata* MacGillivray (1341) p. 267–; North America.
1891. *Entomobrya marginata* Reuter (1639) p. 231.
1891. *Entomobrya marginata* Schött (1762) p. 17; California.
1891. *Entomobrya marginata* Uzel (2050) p. 58; Bohemia; Sweden; Novaya Zemlya.
1893. *Entomobrya marginata* Schött (1765) p. 51; Sweden.
1895. *Entomobrya marginata* Reuter (1643) p. 22; Finland; Sweden; Germany; Lorraine; California; Bohemia; Hungary.
1897. *Entomobrya marginata* Poppe & Schaeffer (1607) p. 270; Germany.
1898. *Entomobrya marginata pallida* Krausbauer (1203) p. 501; Systematics.
1898. *Entomobrya marginata* Schäffer (1737) p. 404; Europe; California; Bismark Archipelago.
1898. *Entomobrya marginata* Scherbakow (1750) p. 59; Kiew, Russia.
1899. *Entomobrya marginata* Carpenter & Evans (402) p. 244; Scotland.
1901. *Entomobrya marginata* Börner (234) p. 68; Central Europe.
1901. *Entomobrya marginata* Evans (739) p. 156; Scotland.
1901. *Entomobrya marginata* Krausbauer (1204) p. 74; Germany.
1900. *Entomobrya marginata* Schäffer (1739) p. 262; Germany.
1900. *Entomobrya marginata* Vellay (2056) p. 21; Hungary.
1902. *Entomobrya coerulea* Becker (158) p. 29; Russia.
1903. *Entomobrya marginata* Ågren (55) p. 56; Sweden.
1904. *Entomobrya marginata* Ågren (56) p. 23; Lapland.
1905. *Entomobrya marginata* Axelson (81) p. 37; Tvärminne, Finland.
1906. *Entomobrya marginata* Wahlgren (2080) p. 260; Sweden.
1907. *Entomobrya marginata* Axelson (83) p. 131; Finland.
1908. *Entomobrya marginata* Evans (741) p. 196; Scotland.
1911. *Entomobrya marginata* Axelson (1291) p. 21.
1912. *Entomobrya marginata* Axelson (1292) p. 197; Finland.
1912. *Entomobrya marginata* Dahl (496) p. 425; Ecology.
1916. *Entomobrya marginata* Bartholin (149) p. 191; Denmark.
1917. *Entomobrya marginata* Schött (1774) p. 11; Queensland, Australia.
1919. *Entomobrya marginata* Wahlgren (2089) p. 751; Sweden.
1920. *Entomobrya marginata* Stach (1859) p. 186; Poland; North and Mid. Europe; Nth. America.
1921. *Entomobrya marginata* Brown (301) p. 143; Isle of Wight.
1922. *Entomobrya marginata* Latzel (1250) p. 64; Austria.
1922. *Entomobrya marginata* Stach (1860) p. 39; Hungary.
1922. *Entomobrya marginata* Stach (1861) p. 126; Albania.
1924. *Entomobrya marginata* Handschin (981) p. 125; Switzerland.
1924. *Entomobrya marginata* Houlbert (1078) p. 118 (= *E. multifasciata* Brook in part).
1927. *Entomobrya marginata* Morris (1457) p. 449–; Ecology.
1928. *Entomobrya griseo-olivata* Folsom (800) p. 11–; New York.
1929. *Entomobrya marginata* Handschin (1008) p. 79; Synonymy; North and Mid. Europe; N. America.
1930. *Entomobrya marginata* Buitendijk (334) p. 62; Holland.
1930. *Entomobrya marginata* Kel'shtein (1161) p. 77; Russia.

1930. *Entomobrya marginata* Stach (1869) p. 300; Nth. and Middle Europe; North America.
1931. *Entomobrya marginata* Boizowa (2357) p. 123; Ecology.
1931. *Entomobrya marginata* Bonet (205) p. 312, fig. VIII; Description; Holarctic.
1931. *Entomobrya marginata* Bonet (205) p. 383; Spain, in caves.
1931. *Entomobrya marginata* Brown (310) p. 137; Lapland.
1931. *Entomobrya marginata* Denis (639) p. 222; Germany.
1933. *Entomobrya griseo-olivata* James (1124) p. 77–; Canada (Toronto region).
1933. *Entomobrya marginata* Schubert (1787) p. 181; Ecology.
1933. *Entomobrya marginata* Turk (2007) p. 95; Britain.
1934. *Entomobrya griseolivata* Bonet (209) p. 161; Argentina.
1934. *Entomobrya griseo-olivata* Mills (1417) p. 68, fig. 118; Iowa.
1934. *Entomobrya marginata* Mills (1417) p. 67, fig. 117; Iowa.
1934. *Entomobrya marginata* Womersley (2178) p. 111; Australia.
1935. *Entomobrya marginata* Denis (652) p. 331; Albania.
1935. *Entomobrya marginata* Schubert (1791) pp. 126–, 230–, 366–; Germany; Poland.
1936. *Entomobrya marginata* Nordberg (1500) p. 34–; Ecology.
1937. *Entomobrya marginata* Drenowski (695) p. 3; Bulgaria.
1937. *Entomobrya marginata* Kseneman (1217) p. 472; Carpathians.
1937. *Entomobrya marginata* Schubert (1792) p. 127; Palearctic-Nearctic.
1937. *Entomobrya marginata* Womersley (2185) p.4; at sea, off South Australia.
1938. *Entomobrya marginata* Drenowski (696) p. 113; Bulgaria.
1939. *Entomobrya marginata* Womersley (2190) p. 177; Australia.
1941. *Entomobrya marginata* Agrell (46) p. 20; Swedish Lapland.
1941. *Entomobrya marginata* Szent-Ivany (1947) p. 21; Hungary.
1941. *Entomobrya marginata* Tarsia in Curia (1955) p. 262; Italy.
1942. *Entomobrya marginata* Marlier (1375) p. 9; Belgium.
1942. *Entomobrya marginata* Scott (1796) p. 182; West U.S.A.
1942. *Entomobrya marginata* Tiegs (1971) p. 154–; Embryology.
1944. *Entomobrya griseo-olivata* Gisin (854) p. 73; Nth. America.
1945. *Entomobrya marginata* Agrell (50) p. 11; Finland; birds' nests.
1946. *Entomobrya marginata* Pearse (1575) p. 139; Ecology.
1948. *Mydonius marginatus* Salt etc. (1724) p. 145; Ecology.
1950. *Entomobrya marginata* Knowlton (1185) p. 96; in celery; Utah.
1950. *Entomobrya marginata* Wray (2216) p. 63; Utah.
1951. *Entomobrya (Entomobrya) marginata* Maynard (1393) p. 143, Pl. I, 22, 23, Pl. XVI, 260–264; New York; Synonymy.
1951. *Entomobrya marginata* Praport (1610) p. 143; Poland.
1951. *Entomobrya marginata* Schaller (1746) p. 463; Ecology.
1951. *Entomobrya marginata* Wilkey (2120) p. 79; Colorado.
1952. *Entomobrya marginata* Mihelcic (1406) p. 96; Ecology.
1953. *Entomobrya marginata* Hicks (1059) p. 15; Ecology.
1953. *Mydonius marginatus* Weidner (2108) p. 34; Central Europe.
1955. *Entomobrya marginata* Palissa (1545) p. 482; Ecology.
1955. *Entomobrya marginata* Stach (1893) p. 163, fig. 488: America; Europe.
1956. *Mydonius marginatus* Salmond (1721) p. 628; in a flour mill.
1956. *Entomobrya marginata* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Entomobrya marginata* Wray & Knowlton (2214) p. 4; Idaho.
1958. *Entomobrya marginata* Grindbergs (2276) p. 75; Latvia.
1958. *Entomobrya marginata* Grindbergs (2277) p. 199; Latvia.
1958. *Entomobrya marginata* Kholova (1169) p. 235; Bohemia.
1958. *Entomobrya marginata* von Torne (1993) p. 668; Austria.
1959. *Entomobrya marginata* Stach (1896) p. 44; Poland.
1960. *Entomobrya caerulea* Gisin (2271) p. 221; Europe.
1960. *Entomobrya marginata* Gisin (2271) p. 221; Europe.
1960. *Entomobrya (Entomobrya) marginata* Grindbergs (2373) p. 48; U.S.S.R.

*** Entomobrya marginata coerulea** (Becker) 1902

1902. *Entomobrya coerulea* Becker (158) p. 29; Russia.
1905. *Entomobrya coerulea* Becker (160) p. 92; Russia.
1934. *Entomobrya coerulea* Womersley (2177) p. 469; Cameroons.

Entomobrya marginata laticlavia Schött, 1917

LECTOTYPE: Sth. Austr. Mus., Adelaide.

1917. *Entomobrya marginata laticlavia* Schött (1774) p. 1–; Australia.
1939. *Entomobrya marginata laticlavia* Womersley (2190) p. 177; Queensland.

* Becker, 1905 (160) p. 92, discussing *E. coerulea* states that specimens found later near the village of Whitewells, in the district of Oka, were associated with *E. marginata* and that many intermediate forms occurred. Therefore he says *E. coerulea* and *E. marginata* cannot be separated as species, but *E. coerulea* should be classified as a varietal form of *marginata* in which the dark posterior segmental margins are reduced or partly absent and the clothing of setae is more sparse.

Entomobrya marginata pallida Krausbauer, 1898

1898. *Entomobrya marginata pallida* Krausbauer (1203) p. 503; Germany.
1898. *Entomobrya marginata pallida* Schäffer (1737) p. 405; Hamburg; Bismark Archipelago.
1901. *Entomobrya marginata pallida* Krausbauer (1204) p. 75; Germany.
1901. *Entomobrya marginata pallida* Börner (234) p. 68; Germany.
1903. *Entomobrya marginata pallida* Ågren (55) p. 157; Sweden; Taxonomy.
1934. *Entomobrya marginata pallida* Womersley (2178) p. 111; W. Australia.
1938. *Entomobrya marginata pallida* Kseneman (1220) p. 19; Czechoslovakia.
1939. *Entomobrya marginata pallida* Womersley (2190) p. 177; W. Australia.

Entomobrya membranea (Nicolet) 1847

1847. *Degeeria membranea* Nicolet (1496) p. 371; Chile.
1849. *Degeeria membranea* Nicolet (1497) p. 91; Chile.
1884. *Entomobrya membranea* Brook (292) p. 280; Chile; Original description.

Entomobrya mesomelaina Latzel, 1917

1917. *Entomobrya mesomelaina* Latzel (1249) p. 242; Austrian Alps.
1922. *Entomobrya mesomelaina* Latzel (1250) p. 65; Ostalpen & Karstes.

Entomobrya minima Brown, 1926

1926. *Entomobrya minima* Brown (306) p. 41, Pl. II, figs. 13, 14; Natal.
1934. *Entomobrya minima* Womersley (2177) p. 469; South Africa.

Entomobrya mitchelli Womersley, 1934

SYNTYPES: Sth. Austr. Mus., Adelaide.
1934. *Entomobrya mitchelli* Womersley (2178) p. 113, fig. 11 a-c; West Australia.
1939. *Entomobrya mitchelli* Womersley (2190) p. 181, fig. 58 k-m; W. Australia.

Entomobrya nevadensis Steiner, 1959

PARATYPES: Auth. Colln., Grinnell College, Iowa, U.S.A.
1959. *Entomobrya nevadensis* Steiner (2343) p. 464, fig. 5; Spain.

Entomobrya nigranota Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya nigranota* Salmon (1676) p. 364, Pl. 60, figs. 335–336; New Zealand.

Entomobrya nigranota sinfascia Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya nigranota sinfascia* Salmon (1676) p. 365; New Zealand.

Entomobrya nigraoculata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Entomobrya nigraoculata* Salmon (1683) p. 153, Pl. 60, figs. 117–120; New Zealand.

Entomobrya nigriceps Mills, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Entomobrya nigriceps* Mills (1416) p. 268, figs. 16–19; Texas.
1958. *Entomobrya nigriceps* Christiansen (445) p. 505, Pl. 15, figs. 1–9; Texas.

Entomobrya nigrina Latzel, 1917

1917. *Entomobrya nigrina* Latzel (1249) p. 241; Austrian Alps.
1922. *Entomobrya nigrina* Latzel (1250) p. 63; Austria.

Entomobrya nigriventris Stach, 1930

TYPE: Inst. Syst. Zool. Polish Acad. Sci., Cracow.
1930. *Entomobrya nigriventris* Stach (1869) p. 302; Hungary.
1960. *Entomobrya nigriventris* Gisin (2271) p. 222; Hungary.

Entomobrya nivalis (Linné) 1758

HOLOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1740. *Podura campestris cinerea* Degeer (529) p. 54, Pl. 2; Europe.
1740. *Podura nivalis* DeGeer (530) p. 276; Europe.
1758. *Podura nivalis* Linné (1300) p. 609; Europe.
1762. *Podura annulata* Geoffroy (837) p. 606; France.
1762. *Podura livido-lutea* Geoffroy (837) p. 609; Europe.
1767. *Podura nivalis* Linné (1302) p. 1013; Europe.
1775. *Podura annulata* Fabricius (745) p. 300–; Europe.
1775. *Podura nivalis* Muller (1471) p. 1019; Europe.
1776. *Podura nivalis* Muller (1470) p. 183; Denmark.
1778. *Podura arborea grisea* De Geer (532) p. 21; Europe.
1778. *Podura campestris cinerea* De Geer (532) p. 21; Europe.
1778. *Podura nivalis* Degeer (532) p. 21, Pl 2, fig. 8; Europe.
1793. *Podura navalis* Fabricius (749) p. 66.
1793. *Podura annulata* Gmelin (910) p. 2908; Europe.
1793. *Podura nivalis* Gmelin (910) p. 2908; Europe.
1802. *Podura annulata* Latreille (1241) p. 77; Europe.
1802. *Podura nivalis* Latreille (1241) p. 76; Europe.
1803. *Podura annulata* Latreille (1242) p. 172; Europe.
1803. *Podura nivalis* Latreille (1242) p. 172; Europe.
1806. *Podura nivalis* Latreille (1244) p. 165–.
1821. *Podura fasciata* Say (1730) p. 12; U.S.A.
1827. *Podura nivalis* Brébisson (272) p. 273; France.
1835. *Podura annulata* Boisduval & Lacordaire (196) p. 114; Paris.
1835. *Podura nivalis* Boisduval & Lacord. (196) p. 114; Europe.
1835. *Podura nigro-maculata* Templeton (1957) p. 94, Pl. XI, fig. 6; Ireland.
1836. *Podura nivalis* Audouin (72) p. XI; Switzerland.
1836. *Podura variegata* Guerin-Meneville & Percheron (950) p. —; Europe.
1838. *Podura minuta* Burmeister (339) p. 449; Europe.
1838. *Podura nivalis* Burmeister (339) p. 450; Europe.
1839. *Isotoma arborea* Bourlet (259) p. 402; Europe.
1839. *Isotoma cursitans* Bourlet (259) p. 403; Europe.
1839. *Isotoma fusiformis* Bourlet (259) p. 403, Europe.
1839. *Isotoma nivalis* Bourlet (259) p. 402; Europe.
1840. *Podura simplex* Koch (1187) p. 354; Europe.
1840. *Podura striata* Koch (1187) p. 354; Europe.
1840. *Podura annulata* Lucas (1326) p. 565; France.
1840. *Podura fasciata* Lucas (1326) p. 566; Georgia; Florida.
1840. *Podura nigro-maculata* Lucas (1326) p. 566; Cranmore, Ireland.
1840. *Podura nivalis* Lucas (1326) p. 565; References; habitat.
1841. *Podura annulata* Bourlet (261), p. 117; Europe.
1841. *Podura cursitans* Bourlet (261) p. 118; France.
1841. *Podura fasciata* Bourlet (261) p. 158; Europe.
1841. *Podura nivalis* Bourlet (261) p. 117; Europe.
1842. *Podura annulata* Bourlet (265) p. 26; Europe.
1842. *Podura cursitans* Bourlet (265) p. 27; Europe.
1842. *Podura fasciata* Bourlet (265) p. 64; Europe.
1842. *Podura nivalis* Bourlet (265) p. 25; Europe.
1842. *Podura annulata* Erichson (730) p. 312; Europe.
1842. *Podura nivalis* Erichson (730), p. 313; Europe.

1842. *Degeeria corticalis* Nicolet (1493) p. 72; Europe.
1842. *Degeeria disjuncta* Nicolet (1493) p. 71; Europe.
1842. *Degeeria lanuginosa* Nicolet (1493) p. 74; Pl. 8, fig. 8; Europe.
1842. *Degeeria muscorum* Nicolet (1493) p. 75, Pl. VIII, fig. 10; Europe.
1842. *Deegeeria nivalis* Nicolet (1493) p. 70, Pl. 8, fig. 1; Europe.
1842. *Degeeria nivalis interrupta* Nicolet (1493) p. 71; Europe.
1842. *Degeeria nivalis montana* Nicolet (1493) p. 71; Europe.
1844. *Degeeria muscorum* Gervais (841) p. 426; Switzerland.
1844. *Degeeria nivalis* Gervais (841) p. 423; Europe.
1844. *Isotoma cursitans* Gervais (841) p. 434; France.
1844. *Isotoma fusiformis* Gervais (841) p. 434; France.
1844. *Podura variegata* Gervais (841) p. 423; France.
1844. *Degeeria muscorum* Lucas (1327) p. 294; Reference only.
1844. *Degeeria nivalis* Lucas (1327) p. 294; Reference only.
1844. *Podura cursitans* Lucas (1327) p. 291; Reference only.
1844. *Isotoma fusiformis* Lucas (1327) p. 291; Reference only.
1845. *Desoria annulata* Bourlet (266) p. 67; Europe.
1845. *Podura cursitans* Bourlet (266) p. 64; Reference.
1845. *Podura nivalis* Bourlet (266) p. 67; Europe.
1847. *Podura cursitans* Bourlet (267) p. 223–; France.
1847. *Podura nivalis* Bourlet (267) p. 222–; Europe.
1847. *Degeeria fusiformis* Nicolet (1496) p. 370; Europe.
1847. *Degeeria muscorum* Nicolet (1496) p. 369; Switzerland.
1847. *Degeeria nigromaculata* Nicolet (1496) p. 370; Ireland.
1847. *Degeeria nivalis* Nicolet (1496) p. 368, Pl. 6, fig. 8; Europe.
1847. *Degeeria variegata* Nicolet (1496) p. 368; Europe.
1856. *Desoria nivalis* Papon (1549); Europe.
1857. *Podura pi* Herklots (1046) p. 94; Europe.
1862. *Degeeria Nicoletii* Lubbock (1315) p. 594; Britain.
1862. *Degeeria nigro-maculata* Lubbock (1315) p. 593; England.
1862. *Degeeria nivalis* Lubbock (1315) p. 594; Europe.
1868. *Degeeria lanuginosa* Lubbock (1316) p. 298, Pl. XXII, figs. 16–18; England.
1868. *Degeeria nicoletii* Lubbock (1316) p. 299, Pl. XXII, fig. 19; Britain.
1869. *Degeeria nigromaculata* MacIntire (1351) p. 206, and figs; Morphology (scales).
1869. *Degeeria nivalis* Porath (1608) p. 652; Scandinavia.
1871. *Degeeria nivalis* Packard (1318) p. 103; U.S.A.
1871. *Degeeria arborea* Tullberg (2002) p. 148; Sweden.
1871. *Degeeria marginata* Tullberg (2002) p. 148; Sweden.
1871. *Degeeria multifasciata* Tullberg (2002) p. 148; Sweden.
1871. *Degeeria muscorum* Tullberg (2002) p. 148 *ad partim*; Sweden.
1871. *Degeeria nivalis* Tullberg (2002) p. 148; Sweden.
1872. *Degeeria multifasciata* Tullberg (2003) p. 40, Pl. VII, fig. 6; Sweden.
1872. *Degeeria muscorum* Tullberg (2003) p. 40, Pl. VII, figs. 2–4, *ad partim;* Sweden.
1872. *Degeeria muscorum obscura* Tullberg (2003) p. 64, Pl. VII, fig. 4; Sandinavia.
1872. *Entomobrya muscorum pallida* Tullberg (2003) p. 1–; Sweden.
1872. *Degeeria nivalis* Tullberg (2003) p. 39, Pl. VII, fig. 5; Sweden; Synonymy.
1873. *Degeeria annulata* Lubbock (1318) p. 159, Pl. XXXII, England; France: Ireland; Sweden.
1873. *Degeeria fasciata* Lubbock (1318) p. 166; Georgia and E. Florida.
1873. *Degeeria lanuginosa* Lubbock (1318) p. 161, Pl. XXXIII; England.
1873. *Degeeria muscorum* Lubbock (1318) p. 161, Pl. XXXIV; Europe.
1873. *Degeeria Nicoletii* Lubbock (1318) p. 161, Pl. XXXIV; England.
1873. *Degeeria nigromaculata* Lubbock (1318) p. 3; Europe.
1873. *Degeeria nivalis* Lubbock (1318) p. 158, Pl. XXXI; Sweden; Switzerland; France; England.
1873. *Entomobrya nicoletii* McIntire (1353) p. 5; Britain.
1873. *Degeeria decemfasciata* Packard (1521) p. 40; Massachusetts.
1875. *Degeeria muscorum* Parona (1556) p. 299; Italy (*ad partem*).
1876. *Degeeria multifasciata* Reuter (1628) p. 81; Finland.
1876. *Degeeria muscorum* Reuter (1628) p. 81; Finland.
1876. *Degeeria nivalis* Reuter (1628) p. 81; Finland.
1876. *Degeeria muscorum* Tullberg (2004) pp. 33, 42; Siberia; Sverige.
1878. *Degeeria annulata* Parona (1557) p. 595; Italy.
1878. *Degeeria muscorum* Parona (1557) p. 597; Italy.
1878. *Degeeria nivalis* Parona (1557) p. 593; Italy.
1880. *Degeeria lanuginosa* Reuter (1629) p. 207; Scotland.
1880. *Degeeria multifasciata* Reuter (1629) p. 207; Scotland.
1880. *Degeeria muscorum* Reuter (1629) p. 207; Orkney.
1880. *Degeeria nivalis* Reuter (1629) p. 207; Scotland.
1881. *Degeeria pulchella* Ridley (1655) p. 270; England.
1882. *Degeeria annulata* Parona (1558) p. 453–; Italy.
1882. *Degeeria lanuginosa* Parona (1558) p. 453–; Italy.
1882. *Degeeria muscorum* Parona (1558) p. 462; Italy.
1882. *Degeeria nivalis* Parona (1558) p. 453–; Italy.
1882. *Entomobrya muscorum* Parona (1558) p. 462; Italy.
1882. *Degeeria muscorum* Reuter (1634) p. 75; Finland.
1882. *Degeeria annulata* Tosmosvary (1983) p. 119–; Hungary.
1882. *Degeeria muscorum* Tomosvary (1983) p. 124 (*ad partem*); Hungary.
1882. *Degeeria nivalis* Tomosvary (1893) p. 119–; Hungary.
1883. *Entomobrya intermedia elongata* Brook (291) p. 19–; Pl. 10, fig. 16.
1883. *Degeeria annulata* Parona (1558) p. 457; Italy.
1883. *Degeeria muscorum* Parona (1558) p. 462; Italy.
1883. *Degeeria nivalis* Parona (1558) p. 462; Italy.
1883. *Degeeria lanuginosa* Reuter (1634) p. 75; Finland.
1883. *Degeeria muscorum* Reuter (1634) p. 75; Finland.
1883. *Podura fasciata* Say (1731) p. 8; Nth. America.
1883. *Podura nivalis* Wittrock (2142) p. 116; Scandinavia.
1884. *Entomobrya intermedia* Brook (292) p. 274, figs. 13–15; Jersey.
1884. *Entomobrya intermedia elongata* Brook (292) p. 275, fig. 16; Austria.

1884. *Entomobrya multifasciata* Brook (292) p. 275, Pl. XI, figs. 19–21; Taxonomy; Europe; Siberia; Nth. America.
1884. *Entomobrya multifasciata lanuginosa* Brook (292) p. 278, Pl. XI, figs. 25, 26; Siberia; Europe; Nth. America.
1884. *Entomobrya multifasciata nicoletii* Brook (292) p. 276, figs. 24, 25; Britain.
1884. *Entomobrya multifasciata pulchella* Brook (292) p. 277; Britain.
1884. *Degeeria muscorum* Brook (292) p. 276; revision of genus.
1884. *Entomobrya muscorum elongata* Brook (292) p. 275; Vienna.
1884. *Entomobrya nivalis* Brook (292) p. 272; Synonymy; Britain; Finland; Sweden; France; Italy.
1885. *Entomobrya intermedia* Parona (1560) p. 43; Sardinia.
1885. *Entomobrya multifasciata* Parona (1560) p. 41; Sardinia.
1886. *Entomobrya lanuginosa* Reuter (1637) p. 179.
1886. *Entomobrya multifasciata* Reuter (1637) p. 179.
1886. *Entomobrya muscorum* Reuter (1637) p. 179.
1887. *Degeeria muscorum* Oudemans (1510) p. 98; Holland; Systematics.
1887. *Degeeria nivalis* Oudemans (1510) p. 98; Holland; Systematics.
1888. *Entomobrya annulata* Dalla Torre (497) p. 145–; Tyrol.
1888. *Entomobrya muscorum* Dalla Torre (497) p. 155; Tyrol.
1888. *Entomobrya nivalis* Dalla Torre (497) p. 145–; Tyrol.
1888. *Entomobrya multifasciata* Parona (1562) p. 86; Sardinia.
1888. *Degeeria annulata* Parona (1563) p. 142; Italy.
1888. *Degeeria muscorum* Parona (1563) p. 142; Italy.
1888. *Entomobrya intermedia* Parona (1563) p. 142; Italy.
1888. *Entomobrya multifasciata* Parona (1563) p. 141; Italy.
1888. *Entomobrya multifasciata lanuginosa* Parona (1563) p. 133–; Italy.
1888. *Entomobrya nivalis* Parona (1563) p. 142; Italy.
1889. *Entomobrya multifasciata* Moniez (1441) p. 29; France; North America; Siberia; Europe.
1890. *Entomobrya multifasciata* Reuter (1638) p. 20; Finland; flower pots and greenhouses.
1890. *Entomobrya intermedia* Uzel (2050) p. 60; Czechoslovakia.
1890. *Entomobrya intermedia elongata* Uzel (2050) p. 60; Bohemia.
1890. *Entomobrya multifasciata* Uzel (2050) p. 57; Bohemia.
1890. *Entomobrya multifasciata lanuginosa* Uzel (2050) p. 57; Czechoslovakia.
1890. *Entomobrya multifasciata lanuginosa nicoleti* Uzel (2050) p. 57; Czechoslovakia.
1890. *Entomobrya multifasciata nicoleti* Uzel (2050) p. 57; Bohemia
1890. *Entomobrya nivalis* Uzel (2050) p. 55; Bohemia.
1890. *Entomobrya nivalis montana* Uzel (2050) p. 56; Bohemia.
1891. *Entomobrya fasciata* MacGillivray (1341) p. 273; Maine, Massachusetts, New York, Ohio, Tennessee, Texas, E. Florida, Georgia.
1891. *Entomobrya intermedia* Parfitt (1550) p. 337; England.
1891. *Entomobrya intermedia elongata* Parfitt (1550) p. 338; England.
1891. *Entomobrya multifasciata* Parfitt (1550) p. 338; England.
1891. *Entomobrya multifasciata arborea* Parfitt (1550) p. 339; England.
1891. *Entomobrya multifasciata brooki* Parfitt (1550) p. 340; England.
1891. *Entomobrya multifasciata lanuginosa* Parfitt (1550) p. 338; England.
1891. *Entomobrya multifasciata lanuginosa nicoleti* Parfitt (1550) p. 338; England.
1891. *Entomobrya multifasciata nicoletii* Parfitt (1550) p. 339; England.
1891. *Entomobrya nivalis* Parfitt (1550) p. 337; England.
1891. *Entomobrya lanuginosa* Reuter (1639) p. 231; Finland.
1891. *Entomobrya muscorum* Reuter (1639) p. 231; Finland.
1891. *Entomobrya muscorum* Reuter (1641) p. 228; Siberia.
1891. *Entomobrya multifasciata* Schott (1762) p. 17; California.
1891. *Entomobrya nivalis* Schött (1762) p. 16; California.
1891. *Entomobrya multifasciata lanuginosa* Uzel (2051) p. 920–; Helgoland.
1891. *Entomobrya multifasciata nicoletii* Uzel (2051) p. 920–; Helgoland.
1893. *Entomobrya annulata* Moniez (1449) p. 491; Europe.
1893. *Entomobrya multifasciata* Schött (1765) p. 49; Sweden; Finland.
1893. *Entomobrya muscorum* Schött (1765) p. 48; Sweden.
1893. *Entomobrya nivalis* Schött (1765) p. 48; Sweden.
1894. *Entomobrya multifasciata* Moniez (1452) p. 206; New Zealand.
1895. *Entomobrya muscorum* Dalla Torre (498) p. 11; Systematics.
1895. *Entomobrya intermedia* Parona (1565) p. 698; Argentina.
1895. *Entomobrya multifasciata* Parona (1565) p. 698; Argentina.
1895. *Entomobrya lanuginosa* Reuter (1643) p. 22; Finland.
1895. *Entomobrya multifasciata* Reuter (1643) p. 21; Finland; Central Europe; Azores; Nth. America; Sardinia.
1895. *Entomobrya muscorum* Reuter (1643) p. 21; Finland; Europe.
1895. *Entomobrya muscorum nicoleti* Reuter (1643) p. 21; Finland; Sweden.
1895. *Entomobrya nivalis* Reuter (1643) p. 21; Finland; Europe; North America; California.
1895. *Entomobrya multifasciata* Smith (1841) p. 475; New Zealand.
1896. *Entomobrya annulata* Lie-Pettersen (1281) p. 13; Norway.
1896. *Entomobrya flava* Lie-Pettersen (1281) p. 14, Pl. I, fig. 6; Norway.
1896. *Entomobrya muscorum* Lie-Pettersen (1281) p. 14; Norway.
1896. *Entomobrya nivalis* Lie-Pettersen (1281) p. 13; Norway.
1896. *Entomobrya lanuginosa* Schäffer (1735) p. 199; Germany.
1896. *Entomobrya multifasciata* Schäffer (1735) p. 197; Germany.

1896. *Entomobrya muscorum* Schäffer (1735) p. 198, Pl. I, figs. 1–4; *ad partim;* Germany.
1896. *Entomobrya muscorum nicoleti* Schäffer (1735) p. 198; Germany.
1896. *Entomobrya nivalis* Schäffer (1735) p. 198; Germany.
1896. *Entomobrya nivalis immaculata* Schaeffer (1735) p. 195; Germany.
1896. *Entomobrya nivalis maculata* Schaeffer (1735) p. 195; Germany.
1896. *Entomobrya nicoletii muscorum* Schäffer (1738) p. 249; Europe.
1896. *Entomobrya orcheselloides* Schaeffer (1735) p. 196; Germany.
1896. *Entomobrya nivalis* Schött (1768) p. 114; on snow, Sweden.
1896. *Entomobrya multifasciata* Schött (1769) p. 182; California.
1897. *Entomobrya lanuginosa* Poppe & Schaeffer (1607) p. 270; Germany.
1897. *Entomobrya multifasciata* Poppe & Schaeffer (1607) p. 270; Germany.
1897. *Entomobrya muscorum* Poppe & Schaeffer (1607) p. 270; Germany.
1897. *Entomobrya nivalis* Poppe & Schaeffer (1607) p. 270; Germany.
1897. *Entomobrya nivalis maculata* Poppe & Schaeffer (1607) p. 265; Germany.
1897. *Entomobrya orcheselloides* Poppe & Schaeffer (1607) p. 269; Germany.
1897. *Entomobrya nivalis pallida* Schaeffer (1735) p. 195; Germany.
1898. *Entomobrya annulata* Lie-Petterson (1282) p. 11; Norway.
1898. *Entomobrya multifasciata* Lie-Pettersen (1282) p. 11; Norway.
1898. *Entomobrya muscorum* Lie-Pettersen (1282) p. 11; Norway.
1898. *Entomobrya nivalis* Lie-Pettersen (1282) p. 11; Norway.
1898. *Entomobrya lanuginosa* Scherbakow (1750) p. 59; Kiev.
1898. *Entomobrya multifasciata* Scherbakow (1750) p. 59; Kiew, Russia.
1898. *Entomobrya muscorum* Scherbakow (1750) p. 59; Kiew, Russia.
1898. *Entomobrya nivalis* Scherbakow (1750) p. 59; Kiew, Russia.
1898. *Entomobrya nivalis maculata* Scherbakow (1750) p. 59; Kiev.
1898. *Entomobrya orcheselloides* Scherbakow (1750) p. 59; Kiew, Russia.
1898. *Entomobrya muscorum* Scherbakow (1751) p. 15, *ad partem,* Kiev.
1899. *Entomobrya lanuginosa* Carl (351) p. 3; France.
1899. *Entomobrya nivalis* Carl (351) p. 3; France.
1899. *Entomobrya orcheselloides* Carl (351) p. 96; France; Switzerland.
1899. *Entomobrya multifasciata* Carl (352) p. 335; Switzerland.
1899. *Entomobrya muscorum* Carl (352) p. 334; Switzerland.
1899. *Entomobrya nivalis* Carl (352) p. 335; Switzerland.
1899. *Entomobrya nivalis maculata* Carl (352) p. 335; Switzerland.
1899. *Entomobrya orcheselloides* Carl (352) p. 331; Switzerland.
1899. *Entomobrya multifasciata* Carpenter & Evans (402) p. 244; Scotland.
1899. *Entomobrya muscorum* Carpenter & Evans (402) p. 244; Edinburgh district.
1899. *Entomobrya nivalis* Carpenter & Evans (402) p. 243; Scotland.
1899. *Entomobrya nivalis* Lie-Pettersen (1283) p. 11–; Norway.
1899. *Entomobrya lanuginosa* Wahlgren (2073) p. 189; Sweden.
1900. *Entomobrya muscorum* Schäffer (1737) p. 264; Germany.
1900. *Entomobrya intermedia* Kieffer (1170) p. 113; Systematics.
1900. *Entomobrya multifasciata* Lécaillon (1258) p. 71; France.
1900. *Entomobrya nicoleti muscorum* Schäffer (1738) p. 249; N.W. Siberia; Europe.
1900. *Entomobrya lanuginosa* Schäffer (1739) p. 262; Germany.
1900. *Entomobrya muscorum* Schäffer (1739) p. 264; Germany; Synonymy.
1900. *Entomobrya nicoleti* Schäffer (1739) p. 265; Germany.
1900. *Entomobrya nicoletii-muscorum* Schäffer (1739) p. 265; Germany.
1900. *Entomobrya nivalis* Schäffer (1739) p. 261; Germany.
1900. *Entomobrya orcheselloides* Schäffer (1739) p. 264; = *E. muscorum.*
1900. *Entomobrya annulata* Vellay (2056) p. 20; Hungary.
1900. *Entomobrya atrocincta nigrocincta* Vellay (2056) p. 20; Hungary.
1900. *Entomobrya intermedia elongata* Vellay (2056) p. 20; Hungary.
1900. *Entomobrya multifasciata* Vellay (2056) p. 21; Hungary.
1900. *Entomobrya muscorum* Vellay (2056) p. 21; Hungary.
1900. *Entomobrya nivalis* Vellay (2056) p. 21; Hungary.
1900. *Entomobrya multifasciata* Willem (2123) p. 1–, Pl. X, figs. 2, 3; Systematics.
1901. *Entomobrya muscorum* Börner (234) p. 70; Germany.
1901. *Entomobrya nicoleti* Börner (234) p. 68; Central Europe.
1901. *Entomobrya nicoleti multifasciata* Börner (234) p. 68; Germany.
1901. *Entomobrya nicoleti muscorum* Börner (234) p. 68; Germany.
1901. *Entomobrya nicoleti pulchella* Börner (234) p. 69; Germany.
1901. *Entomobrya nicoleti typica* Börner (234) p. 68; Central Europe.
1901. *Entomobrya nivalis* Börner (234) p. 69; Germany.
1901. *Entomobrya multifasciata* Boyd (268) p. 317; Scotland.
1901. *Entomobrya muscorum* Boyd (268) p. 317; Scotland.
1901. *Entomobrya nivalis* Boyd (268) p. 317; Scotland.
1901. *Entomobrya lanuginosa* Carl (354) p. 267; Switzerland.
1901. *Entomobrya multifasciata* Carl (354) p. 266; Switzerland.
1901. *Entomobrya muscorum* Carl (354) p. 265; Switzerland.
1901. *Entomobrya nivalis* Carl (354) p. 266; Switzerland.
1901. *Entomobrya nivalis pallida* Carl (354) p. 267; Switzerland.

1901. *Entomobrya multifasciata* Evans (739) p. 156; Scotland.
1901. *Entomobrya muscorum* Evans (739) p. 156; Scotland
1901. *Entomobrya nivalis* Evans (739) p. 156; Scotland.
1901. *Entomobrya multifasciata* Evans (740) p. 152; Scotland.
1901. *Entomobrya muscorum* Evans (740) p. 152; Scotland.
1901. *Entomobrya nivalis* Evans (740) p. 152; Scotland.
1901. *Entomobrya nivalis* Lie-Pettersen (2382) p. 202–.
1901. *Entomobrya multifasciata* Krausbauer (1204) p. 73; Germany.
1901. *Entomobrya muscorum* Krausbauer (1204) p. 72; Germany.
1901. *Entomobrya nicoleti* Krausbauer (1204) p. 73; Germany.
1901. *Entomobrya nivalis* Krausbauer (1204) p. 73; Germany.
1901. *Entomobrya nivalis immaculata* Krausbauer (1204) p. 73; Germany.
1901. *Entomobrya nivalis pallida* Krausbauer (1204) p. 73; Germany.
1902. *Entomobrya multifasciata* Becker (158) p. 28; Russia.
1902. *Entomobrya nivalis* Becker (158) p. 28; Russia.
1902. *Entomobrya nivalis pallida* Becker (158) p. 28; Russia.
1902. *Entomobrya nicoleti* Schött (1772) p. 1–; Boreal.
1902. *Entomobrya nicoleti multifasciata* Schött (1772) p. 29; Sweden.
1902. *Entomobrya nicoleti muscorum* Schött (1772) p. 29; Sweden.
1902. *Entomobrya nivalis* Schött (1772) p. 29; Sweden.
1902. *Entomobrya lanuginosa* Voigts (2067) p. 524; Germany.
1902. *Entomobrya nicoleti* Voigts (2067) p. 523; List.
1902. *Entomobrya nicoleti multifasciata* Voights (2067) p. 524–; Ecology.
1903. *Entomobrya lanuginosa* Ågren (55) p. 153; Synonymy.
1903. *Entomobrya lanuginosa muscorum* Ågren (55) p. 154; Sth. Sweden.
1903. *Entomobrya lanuginosa nicoleti* Ågren (55) p. 154; Sth. Sweden.
1903. *Entomobrya multifasciata* Ågren (55) p. 155, figs. 13, 14; Sweden.
1903. *Entomobrya multifasciata cincta* Ågren (55) p. 155; Sweden.
1903. *Entomobrya nivalis* Ågren (55) p. 156; Sweden.
1903. *Entomobrya nivalis maculata* Ågren (55) p. 156; Sth. Sweden.
1903. *Entomobrya lanuginosa* Diem (688) p. 234–; Ecology.
1903. *Entomobrya nivalis* Diem (688) p. 359; Ecology.
1903. *Entomobrya multifasciata* Guthrie (951) p. 77; Minnesota.
1904. *Entomobrya nivalis dorsalis* Ågren (56) p. 22, figs. 14–16; Lapland.
1904. *Entomobrya nivalis* Ågren (56) p. 22; Lapland.
1904. *Entomobrya nivalis maculata* Ågren (56) p. 22; Lapland.
1904. *Entomobrya nicoleti-muscorum* Axelson (78) p. 8; Siberia.
1904. *Entomobrya nivalis* Axelson (79) p. 76; Norway.
1904. *Entomobrya nivalis maculata* Axelson (79) p. 76; Norway.
1904. *Entomobrya multifasciata* Carpenter (373) p. 198; Glencar.
1904. *Entomobrya muscorum* Carpenter (373) p. 198; Strandhill.
1904. *Entomobrya multifasciata* Hutton (1085) p. 354; New Zealand.
1905. *Entomobrya lanuginosa* Axelson (81) p. 37; Tvarminne, Finland.
1905. *Entomobrya nicoleti* Axelson (81) p. 37; Tvärminne, Finland.
1905. *Entomobrya nicoleti muscorum* Axelson (81) p. 37; Tvärminne.
19050. *Entomobrya nivalis* Axelson (81) p. 37; Tvärminne, Finland.
1905. *Entomobrya nivalis dorsalis* Axelson (81) p. 38; Tvärminne, Finland.
1905. *Entomobrya nivalis maculata* Axelson (81) p. 38; Tvarminne, Finland.
1905. *Entomobrya multifasciata* Philiptschenko (1586) p. 1; Bologoi Province, Russia.
1905. *Entomobrya nivalis* Philiptschenko (1586) p. 1–; Bologoi Province, Russia.
1905. *Entomobrya nivalis maculata* Philiptschenko (1586) p. 1–; Bologoi Province, Russia.
1906. *Entomobrya multifasciata* Axelson (82) p. 17; Russia.
1906. *Entomobrya nicoleti* Axelson (82) p. 16; Russia.
1906. *Entomobrya nicoleti muscorum* Axelson (82) p. 16, Revals, Russia.
1906. *Entomobrya nivalis* Axelson (82) p. 17; Russia.
1906. *Entomobrya lanuginosa* Lie-Pettersen (1281) p. 14; Norway.
1906. *Entomobrya nicoleti* Lie-Pettersen (1284) p. 67; Norway.
1906. *Entomobrya nivalis* Lie-Pettersen (1284) p. 67; Norway.
1906. *Entomobrya multifasciata* Navas (1483) p. 165; Spain.
1906. *Entomobrya nicoleti* Navas (1483) p. 165, Pl. X, fig. 10; Spain.
1906. *Entomobrya nivalis* Navas (1483) p. 164, Pl. X, fig. 8; Spain.
1906. *Entomobrya nivalis fasciata* Navas (1483) p. 165; Spain; Portugal.
1906. *Entomobrya nivalis immaculata* Navas (1483) p. 165; Spain.
1906. *Entomobrya nivalis maculata* Navas (1483) p. 165; Spain.
1906. *Entomobrya nivalis pallida* Navas (1483) p. 165; Spain.
1906. *Entomobrya nivalis torquata* Navas (1483) p. 165; Spain.
1906. *Entomobrya lanuginosa* de Pitarque (1596) p. 97–; Bolivia.
1906. *Entomobrya nicoleti* de Pitarque (1596) p. 97; Bolivia.
1906. *Entomobrya nivalis* De Pitarque (1596) p. 97; Bolivia.
1906. *Entomobrya nivalis maculata* de Pitarque (1596) p. 97; Bolivia.
1906. *Entomobrya lanuginosa* Wahlgren (2080) p. 260; Sweden.
1906. *Entomobrya lanuginosa muscorum* Wahlgren (2080) p. 260; Sweden.
1906. *Entomobrya lanuginosa nicoleti* Wahlgren (2080) p. 260; Sweden.
1906. *Entomobrya nivalis* Wahlgren (2080) p. 260, fig. 23; Sweden.
1906. *Entomobrya nivalis immaculata* Wahlgren (2080) p. 261; Sweden.

1906. *Entomobrya nivalis-maculata* Wahlgren (2080) p. 260; Sweden.
1906. *Entomobrya nivalis dorsalis* Wahlgren (2082) p. 225; Scandinavia.
1907. *Entomobrya nicoleti muscorum* Axelson (83) p. 132; Finland.
1907. *Entomobrya multifasciata* Axelson (83) p. 132; Finland.
1907. *Entomobrya nicoleti* Axelson (83) p. 132; Finland.
1907. *Entomobrya nivalis* Axelson (83) p. 132; Finland.
1907. *Entomobrya nivalis dorsalis* Axelson (83) p. 132; Finland.
1907. *Entomobrya nivalis maculata* Axelson (83) p. 132; Finland.
1907. *Entomobrya muscorum* Carpenter (378) p. 54; Lambay Is.; Dublin.
1907. *Entomobrya nivalis* Latzel (1248) p. 161; Austria.
1907. *Entomobrya nivalis* Wahlgren (2082) p. 225; Lule lappmark; Torne lappmark; Norway.
1908. *Entomobrya nivalis* Evans (741) p. 195; Scotland.
1908. *Entomobrya multifasciata* Schille (1755) p. 10; Poland.
1908. *Entomobrya muscorum* Schille (1755) p. 10; Poland.
1908. *Entomobrya nivalis* Schille (1755) p. 10; Poland.
1908. *Entomobrya nivalis immaculata* Schille (1755) p. 10; Poland.
1908. *Entomobrya nivalis pallida* Schille (1755) p. 10; Poland.
1908. *Degeeria annulata* Theobald (1963) p. 164; Gen. Economics.
1908. *Entomobrya nivalis* Theobald (1963) p. 164; Gen. Economics.
1909. *Entomobrya fasciata* Dow & Smith (692) p. 35; New Jersey.
1910. *Entomobrya lanuginosa* Bagnall (102) p. 504; Britain.
1910. *Entomobrya nivalis* Bagnall (102) p. 504; Britain.
1910. *Entomobrya multifasciata* Collinge (464) p. 11; England.
1910. *Entomobrya multifasciata* Collinge & Shoebotham (472) p. 113; England.
1910. *Entomobrya nicoleti* Collinge & Shoebotham (472) p. 113; England.
1910. *Entomobrya nivalis* Collinge & Shoebotham (472) p. 113; England.
1910. *Degeeria annulata* Theobald (1964) p. 184–; Gen. Economics.
1910. *Entomobrya multifasciata* Theobald (1964) p. 184; Gen. Economics.
1910. *Entomobrya nivalis* Theobald (1964) p. 184–; Gen. Economics.
1911. *Entomobrya nicoleti muscorum* Axelson (1291) p. 22; Norway.
1911. *Entomobrya nivalis* Axelson (1291) p. 22; Norway.
1911. *Entomobrya nivalis-maculata* Axelson (1291) p. 1; Norway.
1912. *Entomobrya lanuginosa* Axelson (1292) p. 194–; Finland.
1912. *Entomobrya multifasciata* Axelson (1292) p. 205; Finland.
1912. *Entomobrya nicoleti* Axelson (1292) p. 202; Finland.
1912. *Entomobrya nicoleti muscorum* Linnaniemi (1292) p. 203; Finland.
1912. *Entomobrya nicoleti obscura* Axelson (1292) pp. 194, 204; Finland.
1912. *Entomobrya nivalis* Axelson (1292) p. 206; Pl. XIV, figs. 5–8; Finland.
1912. *Entomobrya nivalis dorsalis* Axelson (1292) p. 208; Finland.
1912. *Entomobrya nivalis maculata* Axelson (1292) p. 207; Finland.
1912. *Entomobrya multifasciata* Dahl (496) p. 426; Ecology.
1912. *Entomobrya muscorum* Dahl (496) p. 425; Ecology.
1912. *Entomobrya nicoletii* Dahl (496) p. 426; Ecology.
1912. *Entomobrya nivalis* Dahl (496) p. 425; Ecology.
1912. *Entomobrya multifasciata* Schille (1756) p. 10; Poland.
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1912. *Entomobrya muscorum* Schille (1756) p. 10; Galizien.
1912. *Entomobrya nivalis* Schille (1756) p. 10; Galizien.
1912. *Entomobrya nivalis immaculata* Schille (1756) p. 10; Galizien.
1912. *Entomobrya nivalis maculata* Schille 1756 p. 10; Galazien.
1912. *Entomobrya nivalis pallida* Schille (1756) p. 10; Galizien.
1912. *Entomobrya orchesselloides* Schille (1756) p. 10; Galizien.
1912. *Entomobrya multifasciata* Schille (2394) p. 128; Poland.
1912. *Entomobrya nivalis* Schille (2394) p. 128; Poland.
1912. *Entomobrya orchesselloides* Schille (2394) p. 128; Poland.
1913. *Entomobrya nivalis* Cameron (345) p. 176; England, soil.
1913. *Entomobrya multifasciata* Carpenter (388) p. 10; Clare Is.; Ireland.
1913. *Entomobrya nicoletii* Carpenter (388) p. 8; Clare Is., Ireland.
1913. *Entomobrya nivalis* Carpenter (388) p. 10; Clare Is., Ireland.
1914. *Entomobrya multifasciata* Bacon (94) p. 158, Pl. III, figs. 5–6; California.
1914. *Entomobrya multifasciata* Shoebotham (1820) p. 62; Ireland.
1914. *Entomobrya nivalis* Shoebotham (1820) p. 62; Ireland.
1916. *Entomobrya lanuginosa* Bartholin (149) p. 193; Denmark.
1916. *Entomobrya lanuginosa nicoleti* Bartholin (149) p. 192; Denmark.
1916. *Entomobrya nivalis* Bartholin (149) p. 192; Denmark.
1916. *Entomobrya nivalis dorsalis* Bartholin (149) p. 155; Denmark.
1916. *Entomobrya orchesselloides* Bartholin (149) p. 193; Denmark.
1916. *Entomobrya multifasciata* Carr (407) p. 65; England.
1916. *Entomobrya muscorum* Carr (407) p. 65; England.
1916. *Entomobrya nicoleti* Carr (407) p. 65; England.
1916. *Entomobrya nivalis* Carr (407) p. 65; England.
1917. *Entomobrya nivalis* Cameron (346) p. 50; Cheshire Soils.
1917. *Entomobrya muscorum albina* Latzel (1249) p. 239; Austrian Alps.
1917. *Entomobrya muscorum postbimaculata* Latzel (1249) p. 240; Austria.
1917. *Entomobrya orchesselloides* Latzel (1249) p. 239; Austria.
1917. *Entomobrya multifasciata* Shoebotham (1823) p. 222; England.

1917. *Entomobrya nivalis* Shoebotham (1823) p. 222; England.
1918. *Entomobrya multifasciata* Brown (296) p. 186; England.
1918. *Entomobrya muscorum* Brown (296) p. 186; England.
1918. *Entomobrya nicoleti* Brown (296) p. 186; England.
1918. *Entomobrya nivalis* Brown (296) p. 186; England.
1919. *Entomobrya nivalis* Axelson (1293) p. 11; Arctic Urals.
1919. *Entomobrya nivalis immaculata* Axelson (1293) p. 11; Arctic Urals.
1919. *Entomobrya nivalis maculata* Axelson (1293) p. 11; Arctic Urals.
1919. *Entomobrya nivalis* Handschin (977) p. 81; Switzerland; Europe; Nth. America.
1919. *Entomobrya nivalis immaculata* Handschin (977) p. 81; Switzerland.
1919. *Entomobrya nivalis maculata* Handschin (977) p. 82; Nth and Middle Europe; Spain.
1919. *Entomobrya nicoleti* Wahlgren (2089) p. 751; Sweden.
1919. *Entomobrya nivalis* Wahlgren (2089) p. 747; Sweden.
1919. *Entomobrya nivalis maculata* Wahlgren (2089) p. 747; Sweden.
1920. *Entomobrya multifasciata* Morris (1454) p. 147; Ecology.
1920. *Entomobrya nivalis* Stach (1859) p. 187; Poland; Europe; Nth. America.
1920. *Entomobrya nivalis atrata* Stach (1859) p. 188; Poland.
1920. *Entomobrya nivalis immaculata* Stach (1859) p. 187; Poland.
1921. *Entomobrya multifasciata* Brown (301) p. 143; Isle of Wight.
1921. *Entomobrya muscorum* Brown (301) p. 143; Isle of Wight.
1921. *Entomobrya nicoleti* Brown (301) p. 143; Isle of Wight.
1921. *Entomobrya nivalis* Brown (301) p. 143; Isle of Wight.
1921. *Entomobrya muscorum* Denis (607) p. 127; France.
1921. *Entomobrya nicoleti* Denis (607) p. 127; France.
1921. *Entomobrya nivalis* Denis (607) p. 127; France.
1921. *Entomobrya multifasciata* Schött (1775) p. 35; Juan Fernandez Is.; Easter I.
1922. *Entomobrya nicoleti* Denis (609) p. 112; Ile de Yeu, France.
1922. *Entomobrya nivalis* Denis (609) p. 112; Ile de Yeu, France.
1922. *Entomobrya multifasciata* Latzel (1250) p. 64; Austria.
1922. *Entomobrya muscorum* Latzel (1250) p. 62; Ostalpen & Karstes; Tirol.
1922. *Entomobrya muscorum albina* Latzel (1250) p. 63; Ostalpen & Karstes
1922. *Entomobrya muscorum postbimaculata* Latzel (1250) p. 63; Ostalpen & Karstes
1922. *Entomobrya nicoleti* Latzel (1250) p. 64; Ostalpen & Karstes.
1922. *Entomobrya nivalis* Latzel (1250) p. 64; Ostalpen & Karstes.
1922. *Entomobrya multifasciata* Morris (1456) p. 288; Ecology.
1922. *Entomobrya multifasciata* Stach (1860) p. 44; Hungary.
1922. *Entomobrya muscorum* Stach (1860) p. 47, Pl. III, fig. 5; Hungary.
1922. *Entomobrya nicoleti* Stach (1860) p. 43, Pl. 3, figs. 6–7; Hungary.
1922. *Entomobrya nicoleti muscorum* Stach (1860) p. 43, Pl. III, figs. 6–7; Hungary.
1922. *Entomobrya nicoleti obscura* Stach (1860) p. 44, Pl. III, fig. 8; Hungary.
1922. *Entomobrya nivalis* Stach (1860) p. 43; Hungary.
1922. *Entomobrya muscorum* Stach (1861) p. 132; Albania.
1922. *Entomobrya muscorum elongata* Stach (1861) p. 132; Albania.
1922. *Entomobrya nicoleti* Stach (1861) p. 129; Albania.
1922. *Entomobrya nicoleti fasciata* Stach (1861) pp. 127, 130, Pl. X, figs. 3, 4; Albania.
1922. *Entomobrya nicoleti lanugoides* Stach (1861) p. 129; Albania.
1922. *Entomobrya nicoleti lateralis* Stach (1861) p. 130; Albania.
1922. *Entomobrya nicoleti multifasciata* Stach (1861) p. 130; Albania.
1922. *Entomobrya nicoleti muscorum* Stach (1861) p. 130; Albania.
1922. *Entomobrya nicoleti obscura* Stach (1861) p. 131; Albania.
1923. *Entomobrya nigrocincta* Denis (613) p. 54; France.
1923. *Entomobrya nicoleti muscorum* Stach (1863) p. 11; Germany.
1923. *Entomobrya intermedia* Womersley (2147) p. 34; S.W. England.
1923. *Entomobrya intermedea elongata* Womersley (2147) p. 33; S.W. England.
1923. *Entomobrya multifasciata* Womersley (2147) p. 33; S.W. England.
1923. *Entomobrya multifasciata brooki* Womersley (2147) p. 33; S.W. England.
1923. *Entomobrya muscorum* Womersley (2147) p. 33; S.W. England.
1923. *Entomobrya nicoleti* Womersley (2147) p. 34; S.W. England.
1923. *Entomobrya nivalis* Womersley (2147) p. 33; S.W. England.
1924. *Entomobrya muscorum* Denis (614) p. 292; France.
1924. *Entomobrya nicoletti* Denis (614) p. 292; France.
1924. *Entomobrya nigrocincta* Denis (614) p. 261, figs. iv, v; France.
1924. *Entomobrya nivalis* Denis (614) p. 292; France.
1924. *Entomobrya intermedia* Handschin (981) p. 129; Switzerland.
1924. *Entomobrya multifasciata* Handschin (981) p. 129; Switzerland.
1924. *Entomobrya nicoleti* Handschin (981) p. 126; Switzerland.
1924. *Entomobrya nivalis* Handschin (981) p. 125, figs. 93–100; Discussion and Synonymy.
1924. *Entomobrya nivalis dorsalis* Handschin (981) p. 129, figs. 96–99; Switzerland.
1924. *Entomobrya nivalis immaculata* Handschin (981) p. 127; Switzerland.
1924. *Entomobrya nivalis maculata* Handschin (981) p. 127; Switzerland.
1924. *Entomobrya nivalis* Handschin (984) p. 171; Hochmoore, Estland.
1924. *Entomobrya nivalis abrupta* Stach (1864) p. 119, Pl. II, figs. 6–7; Malta.
1924. *Entomobrya multifasciata* Thompson (1970) p. 361; Ecology.

1924. *Entomobrya muscorum* Thompson (1970) p. 361; Ecology.
1924. *Entomobrya Nicoleti* Thompson (1970) p. 361; Ecology.
1925. *Entomobrya intermedia* Denis (617) p. 211; Italy.
1925. *Entomobrya muscorum* Denis (617) p. 211; Italy.
1925. *Entomobrya nicoleti* Denis (617) p. 211; Italy.
1925. *Entomobrya nivalis* Denis (617) p. 211; Italy.
1925. *Entomobrya nicoleti* Denis (620) p. 254; Nth. Africa.
1925. *Entomobrya multifasciata mauretanica* Handschin (987) p. 166, Pl. 30, fig. 4; Morocco.
1925. *Entomobrya multifasciata* Harnisch (1020) p. 69; Ecology.
1925. *Entomobrya nicoleti muscorum* Harnisch (1020) p. 69; Ecology.
1925. *Entomobrya nivalis* Harnisch (1020) p. 69; Ecology.
1926. *Entomobrya muscorum* Handschin (995) p. 126, fig. 5; Subterranean.
1927. *Entomobrya muscorum* Denis (629) p. 201; Italy.
1927. *Entomobrya muscorum* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Entomobrya nivalis* Handschin (999) p. 298; Westfalian peat bog.
1927. *Entomobrya muscorum* Morris (1457) p. 449–; Ecology.
1927. *Entomobrya nivalis* Morris (1457) p. 447; Ecology.
1928. *Entomobrya nivalis* Handschin (1003) p. 129; East Prussia.
1928. *Entomobrya multifasciata* Handschin (1005) p. 7; Algeria.
1928. *Entomobrya nicoleti muscorum* Jackson (1121) p. 302; Britain.
1928. *Entomobrya nivalis* Jackson (1121) p. 302; Britain.
1928. *Entomobrya nivalis maculata* Jackson (1121) p. 302; Britain.
1928. *Entomobrya multifasciata* Krausse (1206) p. 117; Ecology.
1928. *Entomobrya muscorum* Krausse (1206) p. 118; Ecology.
1928. *Entomobrya nicoleti* Womersley (2154) p. 377; S.W. England.
1928. *Entomobrya nivalis* Womersley (2154) p. 377; S.W. England.
1929. *Entomobrya nicoleti obscura* Buitendijk (333) p. 19; Europe.
1929. *Entomobrya multifasciata* Davies (518) p. 82; Physiology.
1929. *Entomobrya multifasciata* Handschin (1008) p. 81, fig. 149; Europe.
1929. *Entomobrya muscorum* Handschin (1008) p. 77, fig. 142; Middle Europe.
1929. *Entomobrya nivalis* Handschin (1008) p. 81, fig. 151; Palaearctic and Nearctic regions.
1929. *Entomobrya nicoleti* Stach (1869) p. 301; Hungary.
1929. *Entomobrya nivalis* Stach (1869) p. 301; Europe; Nth. America.
1929. *Entomobrya nivalis immaculata* Stach (1869) p. 301; Europe; Nth. America.
1929. *Entomobrya nivalis* Stach (1871) p. 273; Germany.
1930. *Entomobrya multifasciata* Buitendijk (334) p. 63; Holland.
1930. *Entomobrya nicoleti* Buitendijk (334) p. 63; Holland.
1930. *Entomobrya nicoleti muscorum* Buitendijk (334) p. 63; Holland.
1930. *Entomobrya nicoleti obscura* Buitendijk (334) p. 63; Holland.
1930. *Entomobrya nivalis* Buitendijk (334) p. 64; Holland.
1930. *Entomobrya nivalis maculata* Buitendijk (334) p. 65; Holland.
1930. *Entomobrya multifasciata* Kel'shtein (1161) p. 77; Russia.
1930. *Entomobrya muscorum* Kel'shtein (1161) p. 77; Russia.
1930. *Entomobrya nivalis* Kel'shtein (1161) p. 77; Russia.
1930. *Entomobrya nivalis pallida* Kel'shtein (1161) p. 77; Russia.
1930. *Entomobrya multifasciata* Mills (1414) p. 392.
1930. *Entomobrya nivalis* Mills (1414) p. 392.
1930. *Entomobrya albocincta nigrocincta* Stach (1869) p. 304; Europe.
1930. *Entomobrya muscorum* Stach (1869) p. 303; Europe.
1930. *Entomobrya muscorum elongata* Stach (1869) p. 303; Europe.
1930. *Entomobrya muscorum punctincepta* Stach (1869) p. 303; Hungary.
1930. *Entomobrya muscorum punctincepta confluens* Stach (1869) p. 303; Hungary.
1930. *Entomobrya muscorum punctincepta nigrescens* Stach (1869) p. 303; Hungary.
1930. *Entomobrya muscorum punctincepta prodromata* Stach (1869) p. 303; Hungary.
1930. *Entomobrya nicoleti fasciata* Stach (1869) p. 301; Europe; Nth. America.
1930. *Entomobrya nicoleti multifasciata* Stach (1869) p. 301; Europe; Nth. America.
1930. *Entomobrya nicoleti muscorum* Stach (1869) p. 301; Europe; Siberia.
1930. *Entomobrya nicoletti obscura* Stach (1869) p. 301; Europe; Nth. America.
1930. *Entomobrya nigrocincta* Stach (1869) p. 301; Sth. France; Austria.
1930. *Entomobrya nivalis atrata* Stach (1869) p. 301; Europe; Nth. America.
1930. *Entomobrya multifasciata* Womersley (2168) p. 186; Ireland.
1930. *Entomobrya nivalis* Womersley (2168) p. 186; Ireland.
1930. *Entomobrya nivalis dorsalis* Womersley (2168) p. 186; Ireland.
1930. *Entomobrya nivalis maculata* Womersley (2168) p. 186; Ireland.
1931. *Entomobrya nivalis* Boizowa (2357) p. 123; Ecology.
1931. *Entomobrya muscorum* Bonet (205) p. 382; Czechoslovakia, in caves.
1931. *Entomobrya nivalis* Bonet (205) p. 382; Czechoslovakia, in caves.
1931. *Entomobrya nivalis* Brown (186) p. 137; Lapland.
1931. *Entomobrya muscorum* Denis (639) p. 222; Germany.
1931. *Entomobrya nicoleti* Denis (639) p. 222; Germany
1931. *Entomobrya nivalis* Denis (639) p. 222; Germany
1931. *Entomobrya multifasciata* Lindroth (1286) p. 132; Iceland.
1931. *Entomobrya nivalis* Lindroth (1286) p. 132; Iceland.
1931. *Entomobrya nivalis* Schött (1780) p. 71; Scandinavia.
1932. *Entomobrya nicoleti* Denis (643) p. 341; Berne.
1932. *Entomobrya nivalis* Denis (643) p. 341; Berne.

1932. *Entomobrya multifasciata* Durkop (706) p. 236; Germany.
1932. *Entomobrya multifasciata imminuta* Folsom (801) p. 64, Pl. 7, figs. 72–75; Hawaii.
1933. *Entomobrya nigrocincta* Bonet (209) p. 148; Argentina; Ad. descr.
1933. *Entomobrya nigrocincta citrina* Bonet (209) p. 149; Argentina.
1933. *Entomobrya nivalis* Bonet (209) p. 145, figs. XI and XII; Ad. descr.
1933. *Entomobrya nivalis dorsalis* Bonet (209) p. 147, fig. XII-2; Argentina.
1933. *Entomobrya nivalis lateralis* Bonet (209) p. 171, Pl. XVI, figs. 86, 87; Argentina.
1933. *Entomobrya nivalis muscorum* Bonet (209) p. 171; Argentina.
1933. *Entomobrya nivalis transiens* Bonet (209) p. 147, Pl. XII, fig. 3; Argentina.
1933. *Entomobrya nicoleti* Denis (644) p. 211; Yugoslavia.
1933. *Entomobrya nivalis* Denis (646) p. 186; Italy.
1933. *Entomobrya multifasciata* Folsom (802) p. 937; Agric. pest.
1933. *Entomobrya nivalis* Folsom (802) p. 937; Agric. pest.
1933. *Entomobrya multifasciata* James (1124) p. 105; Toronto region.
1933. *Entomobrya multifasciata* Mills & Rolfs (1431) p. 81; Washington.
1933. *Entomobrya muscorum* Schubert (1787) p. 184; Ecology.
1933. *Entomybrya nivalis* Schubert (1788) p. 184; Ecology.
1933. *Entomobrya nivalis immaculata* Schubert (1787) p. 187; Ecology.
1933. *Entomobrya nivalis maculata* Schubert (1787) p. 187; Ecology.
1933. *Entomobrya nivalis* Schubert (1789) p. 2; Germany.
1933. *Entomobrya intermedia elongata* Turk (2007) p. 94; Britain.
1933. *Entomobrya multifasciata* Turk (2007) p. 94; Britain.
1933. *Entomobrya multifasciata brooki* Turk (2007) p. 94; Britain.
1933. *Entomobrya multifasciata lanuginosa* Turk (2007) p. 94; Britain.
1933. *Entomobrya multifasciata nicoleti* Turk (2007) p. 94; Britain.
1933. *Entomobrya muscorum* Turk (2007) p. 94; Britain.
1933. *Entomobrya nivalis* Turk (2007) p. 94; Britain.
1934. *Entomobrya multifasciata* Agrell (37) p. 227; Ecology; Sweden.
1934. *Entomobrya nivalis* Agrell (37) p. 227; Ecology; Sweden.
1934. *Entomobrya nivalis maculata* Davis (526) p. 100; Britain.
1934. *Entomobrya multifasciata* Durkop (707) p. 490; Russia; Finland; Britain; Norway; Germany.
1934. *Entomobrya nicoletii* Durkop (707) p. 506; Italy; Finland; Norway; Germany.
1934. *Entomobrya nivalis* Durkop (707) p. 505; Sweden; Germany.
1934. *Entomobrya multifasciata* Mills (1417) p. 69; Iowa.
1934. *Entomobrya multifasciata* Perrier (1576) p. 37; France.
1934. *Entomobrya Nicoletii* Perrier (1576) p. 37; France.
1934. *Entomobrya nivalis* Perrier (1576) p. 37; France.
1934. *Entomobrya muscorum* Volz (2069) p. 170; Ecology.
1934. *Entomobrya nivalis* Volz (2069) p. 173; Ecology.
1934. *Entomobrya multifasciata* Womersley (2177) p. 469; Europe; Algeria; Azores; Morocco.
1934. *Entomobrya nicoleti* Womersley (2177) p. 469; Algeria.
1934. *Entomobrya nivalis immaculata* Womersley (2177) pp. 458, 469; Cosmopolitan; Europe; Sth. Africa; Egypt.
1934. *Entomobrya nivalis maculata* Womersley (2177) pp. 459, 469; Sth. Africa.
1934. *Entomobrya multifasciata* Womersley (2178) p. 111; Australia.
1934. *Entomobrya nivalis immaculata* Womersley (2178) p. 112; South Australia.
1935. *Entomobrya muscorum* Denis (652) p. 331; Albania.
1935. *Entomobrya nicoleti* Denis (652) p. 331; Yugoslavia; Albania.
1935. *Entomobrya nivalis* Schubert (1790) p. 94; Ecology.
1935. *Entomobrya multifasciata* Schubert (1791) pp. 105–, 200–, 366–; Germany.
1935. *Entomobrya muscorum* Schubert (1791) pp. 107–, 198–, 230–, 234–, 365–; Czechoslovakia; Germany; Poland.
1935. *Entomobrya nivalis* Schubert (1791) pp. 107–, 198–, 365–; Germany Czechoslovakia.
1935. *Entomobrya nivalis immaculata* Schubert (1791) pp. 113–, 212–, 371–; Germany.
1935. *Entomobrya nivalis maculata* Schubert (1791) pp. 113– 371–; Germany.
1935. *Entomobrya muscorum* Volz (2070) p. 143; Microscope Techniques.
1936. *Entomobrya nivalis maculata* Brown (314) p. 615; Lapland.
1936. *Entomobrya nicoleti* Denis (660) p. 267; Yugoslavia.
1936. *Entomobrya nivalis* Nordberg (1500) p. 34–; Ecology.
1936. *Entomobrya nivalis* Womersley (2183) p. 322; New Zealand.
1936. *Entomobrya nivalis immaculata* Womersley (2183) p. 322; New Zealand.
1937. *Entomobrya muscorum* Drenowski (695) p. 3; Bulgaria.
1937. *Entomobrya nicoleti* Drenowski (695) p. 3; Bulgaria.
1937. *Entomobrya nicoleti multifasciata* Drenowski (695) p. 3; Bulgaria.
1937. *Entomobrya nigrocincta* Drenowski (695) p. 3; Bulgaria.
1937. *Entomobrya nivalis* Drenowski (695) p. 3; Bulgaria.
1937. *Entomobrya nivalis* Ford (811) p. 103; Ecology.
1937. *Entomobrya muscorum* Frenzel (828) p. 296; Ecology.
1937. *Entomobrya muscorum elongata* Frenzel (828) p. 305; Ecology.
1937. *Entomobrya muscorum* Frenzel (828) p. 296; Ecology.
1937. *Entomobrya nivalis* Frenzel (828) p. 296; Ecology.
1937. *Entomobrya nivalis maculata* Frenzel (828) p. 305; Ecology.
1937. *Entomobrya nicoleti* Henriksen (1043) p. 5; Färoes; Distribution.

1937. *Entomobrya nivalis* Kseneman (1217) p. 472; Carpathians.
1937. *Entomobrya nivalis maculata* Kseneman (1217) p. 472; Carpathians.
1937. *Entomobrya muscorum* Schubert (1792) p. 127; Germany.
1937. *Entomobrya nivalis* Schubert (1792) p. 127; Palaearctic; Nearctic.
1937. *Entomobrya multifasciata* Scott (1795) p. 131; California.
1937. *Entomobrya nivalis* Weidner (2107) p. 18; Central Europe.
1938. *Entomobrya nivalis* Denis (665) p. 128; Italy.
1938. *Entomobrya muscorum elongata* Drenowski (696) p. 113; Bulgaria.
1938. *Entomobrya nigrocincta* Drenowski (696) p. 113; Bulgaria.
1938. *Entomobrya nivalis immaculata* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Entomobrya multifasciata* Kseneman (1220) p. 19; Europe.
1938. *Entomobrya muscorum* Kseneman (1220) p. 19; Europe.
1938. *Entomobrya nigrocincta* Kseneman (1220) p. 19; Europe; Argentina.
1938. *Entomobrya nivalis* Kseneman (1220) p. 19; Palearctic; Nearctic.
1938. *Entomobrya nivalis* Strebel (1917) p. 116; Ecology; Germany.
1938. *Entomobrya nivalis dorsalis* Strebel (1917) p. 115; Germany; Ecology.
1938. *Entomobrya nivalis immaculata* Strebel (1917) p. 115; Germany; Ecology.
1938. *Entomobrya nivalis maculata* Strebel (1917) p. 115; Germany; Ecology.
1938. *Entomobrya nivalis multifasciata* Strebel (1917) p. 115; Ecology; Germany.
1939. *Entomobrya muscorum* Agrell (41) p. 3, fig. II, Madeira Is., Sth and Middle Europe.
1939. *Entomobrya nivalis* Agrell (41) p. 4, fig. II, 2; Madeira Is.; Palearctic; Nearctic.
1939. *Entomobrya multifasciata* Bueker (332) p. 13, figs. 57, 58; St. Louis, U.S.A.
1939. *Entomobrya nivalis* Mills (1422) p. 159; Nth. America.
1939. *Entomobrya muscorum* Strouhal (1931) p. 263; Ecology.
1939. *Entomobrya multifasciata* Thomas (1969) p. 20; Ecology.
1939. *Entomobrya multifasciata* Womersley (2190) p. 177, fig. 58-G; Australia.
1939. *Entomobrya nivalis* Womersley (2190) p. 182, fig. 58 W-X; Australia.
1939. *Entomobrya nivalis dorsalis* Womersley (2190) p. 182; Sth. Australia.
1939. *Entomobrya nivalis immaculata* Womersley (2190) p. 182, fig. 58, W-X; Sth. Australia.
1940. *Entomobrya muscorum* Strouhal (1932) p. 410; Ecology.
1940. *Entomobrya muscorum elongata* Szent-Ivany (1945) p. 119; Hungary.
1940. *Entomobrya muscorum* Szent-Ivany (1945) p. 119; Hungary.
1941. *Entomobrya nivalis* Agrell (46) p. 20; Swedish Lapland.
1941. *Entomobrya multifasciata* Buitendijk (336) p. 57; Netherlands; Europe.
1941. *Entomobrya nicoleti* Buitendijk (336) p. 58; Netherlands; Europe.
1941. *Entomobrya nicoleti muscorum* Buitendijk (336) p. 58; Netherlands.
1941. *Entomobrya nicoleti obscura* Buitendijk (336) p. 58; Holland.
1941. *Entomobrya nivalis* Buitendijk (336) p. 58; Netherlands; Scandinavia; Russia; Switzerland; Germany; Spain.
1941. *Entomobrya nivalis maculata* Buitendijk (336) p. 59.
1941. *Entomobrya clitellaria australasiae* Salmon (1676) p. 356, fig. 307; New Zealand.
1941. *Entomobrya multifasciata* Salmon (1676) p. 359, figs. 323–325; New Zealand.
1941. *Entomobrya nivalis* Salmon (1676) p. 361, figs. 327–328; New Zealand; Pigmentation.
1941. *Entomobrya nonfasciata* Salmon (1676) p. 354, Pl. 57, fig. 301; New Zealand.
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya muscorum* Szent-Ivany (1947) p. 21; Hungary.
1941. *Entomobrya muscorum elongata* Szent-Ivany (1947) p. 21; Hungary.
1941. *Entomobrya nivalis immaculata* Tarsia in Curia (1955) p. 262; Italy.
1941. *Entomobrya nivalis lateralis* Tarsia in Curia (1955) p. 263; Italy.
1942. *Entomobrya nivalis* Brimley (276) p. 4; North Carolina.
1942. *Entomobrya multifasciata* Marlier (1375) p. 9; Belgium.
1942. *Entomobrya muscorum* Marlier (1375) p. 9; Belgium.
1942. *Entomobrya nivalis* Marlier (1375) p. 9; Belgium.
1942. *Entomobrya multifasciata* Miles (1409) p. 16; Oxford, England.
1942. *Entomobrya nivalis* Mills (1423) p. 4; N. Carolina.
1942. *Entomobrya multifasciata* Pescott (1580) p. 69; colonies on human beings.
1942. *Entomobrya multifasciata* Scott (1796) p. 180; West U.S.A.
1942. *Entomobrya nivalis* Tahvonen (1949) p. 204–; Finland.
1942. *Entomobrya multifasciata* Womersley (2193) p. 28; Australia.
1942. *Entomobrya nivalis* Womersley (2193) p. 28; New Zealand.
1942. *Entomobrya nivalis immaculata* Womersley (2193) p. 28; New Zealand.
1943. *Entomobrya nivalis* Agrell (47) p. 126; Sweden.
1943. *Entomobrya muscorum* Gisin (853) p. 168; Switzerland.
1943. *Entomobrya nivalis* Gisin (853) p. 168; Switzerland.
1943. *Entomobrya nivalis dorsalis* Gisin (853) p. 168; Switzerland.
1943. *Entomobrya nivalis immaculata* Gisin (853) p. 168; Switzerland.
1943. *Entomobrya nivalis lateralis* Gisin (853) p. 168; Switzerland.
1943. *Entomobrya nivalis multifasciata* Gisin (853) p. 168; Switzerland.
1943. *Entomobrya nivalis nicoleti* Gisin (853) p. 168; Switzerland.
1943. *Entomobrya multifasciata* Salmon (1680) p. 385; New Zealand.
1943. *Entomobrya nivalis* Salmon (1680) p. 385; New Zealand.
1943. *Entomobrya nivalis immaculata* Salmon (1680) p. 385; New Zealand.

1944. *Entomobrya multifasciata* Colas (456) p. 37, fig. 196.
1944. *Entomobrya atrocincta nigrocincta* Salmon (1683) p. 155, figs. 1, 2; New Zealand.
1945. *Entomobrya nivalis* Agrell (50) p. 10; Finland; Sweden; Norway; Habitats.
1945. *Entomobrya nigrocincta* Delamare Deboutteville (537) p. 70; France.
1946. *Entomobrya multifasciata* Pescott (1581) p. 104 and fig.
1947. *Entomobrya multifasciata* Gisin (863) p. 543; Diagnosis; Switzerland.
1947. *Entomobrya nivalis* Gisin (863) p. 543; Diagnosis.
1948. *Entomobrya nicoleti multifasciata* Denis (676) p. 226, fig. 13; Indo China.
1948. *Entomobrya nivalis* Franz & Beier (821) p. 454–; Ecology.
1948. *Entomobrya muscorum* Gisin (869) p. 513; Ecology; France; Switzerland.
1948. *Mydonius multifasciata* Salt, etc. (1724) p. 145; Ecology.
1948. *Mydonius nivalis principalis* Salt, etc. (1724) p. 145; Ecology.
1948. *Entomobrya multifasciata* Spencer (1851) p. 22; Canada.
1948. *Entomobrya multifasciata imminuta* Zimmerman (2237) p. 59, fig. 26 a-d; Hawaii.
1949. *Entomobrya nivalis* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Entomobrya muscorum* Schaller (1742) p. 268; Germany; Ecology.
1949. *Entomobrya nivalis* Strenzke (1922) p. 207; Germany; Ecology.
1949. *Entomobrya nivalis maculata* Strenzke (1922) p. 207; Germany; Ecology.
1949. *Entomobrya multifasciata* Yosii (2228) p. 33; Mongolia.
1950. *Entomobrya multifasciata* Wray (2216) p. 62; Utah.
1950. *Entomobrya nivalis* Wray (2216) p. 63; Utah.
1951. *Entomobrya nivalis* Cassagnau & Delamare Deboutteville (593) p. 2; Mid. France.
1951. *Entomobrya atrocincta nigrocincta* Maynard (1393) p. 153, Pl. XVII, fig. 275; New York.
1951. *Entomobrya multifasciata* Maynard (1393) p. 157, Pl. I, 15, XVI, 258, 259; Description; New York.
1951. *Entomobrya nivalis* Maynard (1393) p. 159, Pl. XVII, 270–271; New York.
1951. *Entomobrya multifasciata* Praport (1610) p. 143; Poland.
1951. *Entomobrya muscorum* Praport (1610) p. 143; Poland.
1951. *Entomobrya nivalis* Praport (1610) p. 143; Poland.
1951. *Entomobrya multifasciata* Schaller (1746) p. 463; Ecology.
1951. *Entomobrya muscorum* Schaller (1746) p. 464; Germany; Ecology.
1951. *Entomobrya nivalis* Schaller (1746) p. 462; Ecology.
1951. *Entomobrya nivalis immaculata* Schaller (1746) p. 465; Ecology.
1951. *Entomobrya nivalis* Stach (1889) p. 96, fig. 54; Holarctic.
1951. *Entomobrya multifasciata* Wilkey (2120) p. 79; Colorado.
1952. *Entomobrya multifasciata* Baudissin (152) p. 56; Ecology.
1952. *Entomobrya nivalis* Brummer (327) p. 16, fig. 1.
1952. *Entomobrya multifasciata* Freeman (826) p. 28; Ecology.
1952. *Entomobrya muscorum* Mihelcic (1406) p. 96; Ecology.
1952. *Entomobrya nivalis* Mihelcic (1406) p. 96; Ecology.
1952. *Entomobrya nivalis immaculata* Mihelcic (1406) p. 96; Ecology.
1953. *Entomobrya muscorum* Hammer (972) p. 54; Nth. Canada.
1953. *Entomobrya nivalis multifasciata* Hammer (972) p. 55; Nth. Canada.
1953. *Mydonius nivalis* Hazelton & Glennie (1037) p. 273; Britain.
1953. *Entomobrya nivalis* Hicks (1059) p. 15; Ecology.
1953. *Mydonius nivalis* Weidner (2108) p. 32–; Central Europe.
1954. *Entomobrya multifasciata* Christiansen (440) p. 177; Nearctic.
1954. *Entomobrya nivalis* Christiansen (440) p. 177; Nearctic.
1954. *Entomobrya multifasciata* Strenzke (1925) p. 57; Germany.
1954. *Entomobrya nivalis* Travé (2000) p. 211; France.
1954. *Entomobrya multifasciata* Uchida (2030) p. 6; Japan.
1954. *Entomobrya multifasciata japonica* Uchida (2030) p. 6, fig. 6 (A.B.C.H.); Japan.
1954. *Entomobrya multifasciata nigra* Uchida (2030) p. 7, fig. 6 (I); Japan.
1954. *Entomobrya nivalis* Uchida (2030) p. 5; Japan.
1955. *Entomobrya muscorum* Chopard (434) p. 22; France.
1955. *Entomobrya nivalis* Chopard (434) p. 22; France.
1955. *Degeeria muscorum* Gisin (893) pp. 75, 78; Nomenclature.
1955. *Entomobrya nivalis* Goto (918) p. 32; British Isles.
1955. *Entomobrya nivalis* Goto (921) p. 268–; Britain.
1955. *Entomobrya nivalis immaculata* Goto (921) p. 268; Britain.
1955. *Entomobrya nivalis multifasciata* Goto (921) p. 268; Britain.
1955. *Entomobrya nivalis* Gridelli (938) p. 43; Venice.
1955. *Mydonius muscorum* Laing (1235) p. 78; Nomenclature.
1955. *Entomobrya nivalis* Laing (1235) p. 78; Taxonomy.
1955. *Entomobrya nivalis* Palissa (1545) p. 482; Ecology.
1955. *Entomobrya nivalis immaculata* Palissa (1545) p. 482; Ecology.
1955. *Entomobrya muscorum* Salmon (1710) p. 78; Nomenclature.
1955. *Entomobrya multifasciata* Stach (1893) p. 164, figs. 490–491; Europe.
1955. *Entomobrya muscorum* Stach (1893) p. 166, figs. 498–499; Europe.
1955. *Entomobrya muscorum melanotera* Stach (1893) p. 167, fig. 500; Poland.
1955. *Entomobrya nivalis* Stach (1893) p. 164, figs. 492–494; America; Europe.
1955. *Entomobrya multifasciata* Strenzke (1926) p. 47; Europe.
1955. *Entomobrya nivalis* Strenzke (1926) p. 47; Europe.
1956. *Mydonius nivalis* Betts (184) p. 68; England.
1956. *Entomobrya muscorum* Bockemuhl (193) p. 142; Spitzbergen.

1956. *Entomobrya nivalis* Bockemuhl (193) p. 142; Spitzbergen.
1956. *Entomobrya nivalis* Goto (926) p. 8; Outer Hebrides.
1956. *Entomobrya* (*Entomobrya*) *nivalis* Husmann (1084) p. 146; Germany.
1956. *Entomobrya multifasciata* Paclt (1541) p. 125.
1956. *Entomobrya nivalis* Paclt (1541) pp. 100, 124–; Biology.
1956. *Podura ucrainica* Paclt (1541) p. 124; Biology.
1956. *Entomobyra multifasciata* Paviour-Smith (1570) p. 552; New Zealand.
1956. *Mydonius nivalis* Salmond (1721) p. 628; in a flourmill.
1956. *Entomobrya nigrocincta* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Entomobrya nivalis* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Entomobrya nivalis* Tuzet (2012) p. 15–; Cytology.
1956. *Entomobrya multifasciata* Wray & Knowlton (2214) p. 4; Idaho.
1956. *Entomobrya nivalis* Wray & Knowlton (2214) p. 4; Idaho.
1957. *Entomobrya multifasciata* Bodvarsson (2252) p. 30; Iceland.
1957. *Entomobrya nivalis* Bodvarsson (2252) p. 30; Iceland.
1957. *Entomobrya nivalis lateralis* Bodvarsson (2252) p. 31; Iceland.
1957. *Entomobrya nivalis immaculatus* Bodvarsson (2252) p. 31; Iceland.
1957. *Entomobrya nivalis maculata* Bodvarsson (2252) p. 31; Iceland.
1957. *Entomobrya nivalis muscorum* Bodvarsson (2252) p. 31; Iceland.
1957. *Entomobrya multifasciata* Gisin (901) p. 478; Madeira.
1957. *Entomobrya nivalis* Haarlov (2281) p. 10; Denmark; Habitat.
1957. *Entomobrya muscorum* Int. Comm. (1104) p. 69; Official List of Specific Names.
1957. *Entomobrya muscorum* Mayer (1390) p. 503–; Biology.
1957. *Entomobrya nivalis* Pschorn-Walcher & Gunhold (2322) p. 347; Ecology.
1957. *Entomobrya multifasciata* Selga (1805) p. 114; Galicia, Spain.
1957. *Entomobrya nivalis* Strebel (1920) p. 470.
1958. *Entomobrya nivalis* Christiansen (445) p. 457, Pl. 2, figs. 1–18; Nearctic; U.S.A.; Canada.
1958. *Entomobrya nivalis* Grindbergs (2275) p. 11; Latvia.
1958. *Entomobrya nivalis* Grindbergs (2276) p. 75; Latvia.
1958. *Entomobrya nivalis dorsalis* Grindbergs (2276) p. 75; Latvia.
1958. *Entomobrya nivalis maculata* Grindbergs (2276) p. 75; Latvia.
1958. *Entomobrya nivalis* Grindbergs (2277) p. 199; Latvia.
1958. *Entomobrya nivalis dorsalis* Grindbergs (2277) p. 199; Latvia.
1958. *Entomobrya nivalis maculata* Grindbergs (2277) p. 199; Latvia.
1958. *Entomobrya muscorum* Holler-Land (2283) p. 110; Ecology.
1958. *Entomobrya muscorum* Int. Comm. (2378) p. 129; Official List of Specific Names.
1958. *Entomobrya multifasciata* Kholova (1169) p. 235; Bohemia.
1958. *Entomobrya muscorum* Kholova (1169) p. 235; Bohemia.
1958. *Mydonius multifasciatus* Miles (1412) p. 638; Wales.
1958. *Entomobrya muscorum* Nosek (1503) p. 358; Czechoslovakia.
1958. *Entomobrya* (*s. str.*) *nivalis* Palissa (2318) p. 467; Germany.
1958. *Entomobrya nigrocincta* Saure & Brummer-Korvenkontio (2393) p. 3; Cytology.
1958. *Entomobrya nivalis* Saure & Brummer-Korvenkontio (2393) p. 3–; Cytology.
1958. *Entomobrya multifasciata* von Torne (1993) p. 668; Austria.
1958. *Entomobrya muscorum* von Torne (1993) p. 669; Austria.
1958. *Entomobrya nivalis* von Torne (1993) p. 669; Austria.
1958. *Entomobrya nivalis atrata* von Torne (1993) p. 669; Austria.
1958. *Entomobrya nivalis dorsalis* von Torne (1993) p. 669; Austria.
1958. *Entomobrya nivalis lateralis* von Torne (1993) p. 669; Austria.
1959. *Entomobrya multifasciata* Da Gama (494) p. 32; Madeira.
1959. *Entomobrya multifasciata* Da Gama (2266) p. 23; Portugal.
1959. *Entomobrya nivalis* Haybach (2375) Tab. VIII; Ecology.
1959. *Entomobrya nivalis* Paclt (2316) p. 46; Sth. Africa.
1959. *Entomobrya muscorum* Paclt (2317) p. 340; Czechoslovakia.
1959. *Entomobrya nivalis* Paclt (2317) p. 340; Czechoslovakia.
1959. *Entomobrya nivalis* Palissa (2319) p. 278–; Ecology.
1959. *Entomobrya multifasciata* Stach (1896) p. 43; Poland.
1959. *Entomobrya nivalis* Stach (1896) p. 43; Poland.
1959. *Entomobrya multifasciata* Steiner (2343) p. 464; Spain.
1959. *Entomobrya atrocincta nigrocincta* Wilkey (2350) p. 223; California.
1959. *Entomobrya nivalis* Wilkey (2350) p. 223; California.
1959. *Entomobrya* (cf. *nivalis*) Yosii (2353) p. 6; Sth. Africa.
1960. *Entomobrya nivalis nicoleti* Bodvarsson (2412) p. 174; Färoes.
1960. *Entomobrya multifasciata* Gisin (2271) p. 225, fig. 412; Europe.
1960. *Entomobrya muscorum* Gisin (2271) p. 219, fig. 397; Europe.
1960. *Entomobrya nicoleti* Gisin (2271) p. 225, fig. 411; England; Scandinavia.
1960. *Entomobrya nivalis* Gisin (2271) p. 225, figs. 49, 413; Europe; Nth. America.
1960. *Entomobrya* (*Entomobrya*) *multifasciata* Grindbergs (2373) p. 49; U.S.S.R.
1960. *Entomobrya* (*Entomobrya*) *muscorum* Grindbergs (2373) p. 48; U.S.S.R.
1960. *Entomobrya* (*Entomobrya*) *nicoleti* Grindbergs (2373) p. 49; U.S.S.R.
1960. *Entomobrya* (*Entomobrya*) *nivalis* Grindbergs (2373) p. 49; U.S.S.R.

1960. *Entomobrya muscorum* Paclt (2391) p. 157; Hungary.
1960. *Entomobrya nivalis immaculata* Palissa (2319) p. 384; Systematics & Ecology.

Entomobrya obensis Axelson, 1919

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1919. *Entomobrya obensis* Axelson (1293) p. 11; Obdorsk, Siberia.
1960. *Entomobrya* (*Entomobrya*) *obensis* Grindbergs (2373) p. 48; U.S.S.R.

Entomobrya obscurella Brown, 1926

1926. *Entomobrya obscurella* Brown (305) p. 206, figs. 12–14; Mesopotamia.
1942. *Entomobrya obscurella* Handschin (1012) p. 406; Mesopotamia; Palestine.

Entomobrya obscurella extrema Handschin, 1942

1942. *Entomobrya obscurella extrema* Handschin (1012) p. 409, fig. 2 e, f; Palestine.

Entomobrya obscurella intermedia Handschin, 1942

1942. *Entomobrya obscurella intermedia* Handschin (1012) p. 407, fig. 2-b; Palestine.

Entomobrya obscurella pallida Handschin, 1942

1942. *Entomobrya obscurella pallida* Handschin (1012) p. 406, fig. 2-a; Palestine.

Entomobrya obscuroculata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya obscuroculata* Salmon (1676) p. 361, Pl. 60, figs. 340–342; New Zealand.

Entomobrya opotikiensis Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya opotikiensis* Salmon (1676) p. 362, Pl. 60, fig. 339; New Zealand.

Entomobrya ozeana Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Entomobrya ozeana* Yosii (2231) p. 803, fig. 21; Japan.

Entomobrya pazaristei Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Entomobrya pazaristei* Denis (644) p. 212; Yugoslavia.
1935. *Entomobrya pazaristei* Denis (652) p. 331; Yugoslavia.
1936. *Entomobrya pazaristei* Denis (660) p. 265, fig. 11; Yugoslavia; Ad. descr.
1946. *Entomobrya pazaristei* Delamare Deboutteville (542) p. 103; Portugal.
1960. *Entomobrya pazaristei* Gisin (2271) p. 220, fig. 399; Yugoslavia; Portugal.

Entomobrya penicillata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya penicillata* Salmon (1676) p. 365, Pl. 61, figs. 344–345; New Zealand.

Entomobrya perpulchra (Packard) 1873

TYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1873. *Degeeria perpulchra* Packard (1521) p. 38; Texas.
1884. *Entomobrya perpulchra* Brook (292) p. 281; North America; Original descr.
1891. *Entomobrya perpulchra* MacGillivray (1341) p. 273; Texas.
1958. *Drepanura perpulchra* Christiansen (445) p. 516, Pl. 17, figs. 8–12; Texas.

Entomobrya plagiensis (Dahl) 1912

1912. *Parentomobrya plagiensis* Dahl (496) p. 424; Systematics.

Entomobrya platani (Nicolet) 1842

1842. *Degeeria platani* Nicolet (1493) p. 72, Pl. 8, fig. 4; Europe.
1844. *Degeeria platani* Gervais (841) p. 424; Switzerland.
1844. *Degeeria platani* Lucas (1327) p. 294; Reference.
1847. *Degeeria platani* Nicolet (1496) p. 369; Switzerland.
1862. *Degeeria platani* Lubbock (1315) p. 595; England.
1875. *Degeeria platani* Parona (1556) p. 299; Italy.

Entomobrya protrifasciata Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Entomobrya protrifasciata* Denis (638) p. 134, figs. 122–125; Costa Rica.

Entomobrya proxima Folsom, 1924

SYNTYPES: Mus. Comp. Zool., Harvard.
1924. *Entomobrya proxima* Folsom (796) p. 507, Pl. 2, figs. 12–15; Sumatra.
1926. *Entomobrya proxima* Handschin (993) p. 455; Sumatra; Java.
1928. *Entomobrya proxima* Handschin (1001) p. 246; Java; Sumatra.
1932. *Entomobrya proxima* Handschin (1010) p. 480; Java; Bali.
1937. *Entomobrya proxima* Womersley (2184) p. 205; Dutch New Guinea.

Entomobrya pruni (Nicolet) 1842

1842. *Degeeria pruni* Nicolet (1493) p. 73, Pl. 8, fig. 5; Switzerland.
1844. *Degeeria pruni* Gervais (841) p. 424; Switzerland.
1844. *Degeeria pruni* Lucas (1327) p. 294.
1847. *Degeeria pruni* Nicolet (1496) p. 369; Switzerland.
1875. *Degeeria pruni* Uljanin (2047) p. 1–; Life History.
1900. *Degeeria pruni* Prowazek (1614) p. 337–; Morphology.
1907. *Sira pruni* Wahlgren (2083) p. 6; Siberia.

Entomobrya pseudocoeruleopicta Delamare Deboutteville, 1952

TYPE: Auth. Colln., Univ. Nancy, France.
1952. *Entomobrya pseudocoeruleopicta* Delamare Deboutteville (2267) p. 71, figs. 31–33; Ivory Coast.

Entomobrya pseudodecora Rapoport, 1962

TYPE: Div. Eant., Mus. de la Plata, Argentina.
1962. *Entomobrya pseudodecora* Rapoport (2533) p. 17, figs. 124–129; Argentina.

Entomobrya pulchella (Ridley) 1881

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1881. *Degeeria pulchella* Ridley (1655) p. 270; England.
1884. *Entomobrya multifasciata-pulchella* Brook (292) p. 277; England.
1897. *Entomobrya pulchella* Poppe & Schaeffer (1607) p. 270; Germany.
1899. *Entomobrya pulchella* Carl (352) p. 332, Pl. 8, figs. 56–59; Switzerland.
1901. *Entomobrya nicoleti-pulchella* Börner (140) p. 69; Germany.
1901. *Entomobrya pulchella* Carl (354) p. 266; Switzerland.
1906. *Entomobrya pulchella* Navas (1483) p. 166, Pl. X, fig. 9; Spain.

1924. *Entomobrya pulchella* Handschin (981) p. 123, figs. 12, 88; Switzerland; Diagnosis.
1926. *Entomobrya pulchella* Handschin (988) p. 8, fig. 1; Biology.
1929. *Entomobrya pulchella* Handschin (1008) p. 78, fig. 144; Switzerland.
1933. *Entomobrya multifasciata pulchella* Turk (2007) p. 94; Britain.
1960. *Entomobrya pulchella* Gisin (2271) p. 220, fig. 398; Europe.

Entomobrya pulcherrima Yosii, 1942

1942. *Entomobrya pulcherrima* Yosii (2227) p. 478, fig. 3; Japan.
1956. *Entomobrya pulcherrima* Yosii (2235) p. 72; Japan.
1957. *Entomobrya pulcherrima* Uchida (2042) p. 44; Japan.

Entomobrya pulchra Schaeffer, 1897

1897. *Entomobrya pulchra* Schaeffer (1736) p. 21, figs. 52–55; Tierra del Fuego.
1899. *Entomobrya pulchra* Schött (1770) p. 172; Tierra del Fuego.
1912. *Entomobrya pulchra* Enderlein (725) p. 128; Tierra del Fuego.

Entomobrya puncteola Uzel, 1890

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1890. *Entomobrya puncteola* Uzel (2050) p. 61, Pl. I, 5, II, 10; Czechoslovakia.
1900. *Entomobrya puncteola* Carl (353) p. 3; Roumania.
1900. *Entomobrya puncteola* Vellay (2056) p. 21; Hungary.
1901. *Entomobrya puncteola* Carl (354) p. 266; Switzerland.
1906. *Entomobrya puncteola* Börner (243) p. 146; Discussion.
1908. *Entomobrya puncteola* Schille (1755) p. 10; Poland.
1912. *Entomobrya puncteola* Schille (1756) p. 10; Galizien.
1912. *Entomobrya puncteola* Schille (2394) p. 128; Poland.
1920. *Entomobrya puncteola* Stach (1859) p. 190; Poland.
1922. *Entomobrya puncteola* Latzel (1250) p. 62; Ostalpen and Karstes.
1922. *Entomobrya puncteola* Stach (1860) p. 49; Hungary.
1923. *Entomobrya puncteola* Stach (1863) p. 12; Germany.
1930. *Entomobrya puncteola* Stach (1869) p. 304; Europe.
1937. *Entomobrya puncteola* Drenowski (695) p. 3; Bulgaria.
1955. *Entomobrya puncteola* Stach (1893) p. 167, figs. 501-502; Poland.
1960. *Entomobrya puncteola* Gisin (2271) p. 219, figs. 395–396; Poland; Roumania.
1960. *Entomobrya (Entomobrya) puncteola* Grindbergs (2373) p. 47; U.S.S.R.

Entomobrya puncteola affinis Stach, 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Entomobrya puncteola affinis* Stach (1859) p. 192; Poland.
1930. *Entomobrya puncteola affinis* Stach (1869) p. 304; Europe.

Entomobrya puncteola melanotera Stach, 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Entomobrya puncteola melanotera* Stach (1859) p. 193; Poland.
1930. *Entomobrya puncteola melanotera* Stach (1869) p. 304; Europe.

Entomobrya puncteola signata Carl, 1900

1900. *Entomobrya puncteola signata* Carl (353) p. 2; Roumania.

Entomobrya pusilla Latzel, 1917

1917. *Entomobrya pusilla* Latzel (1249) p. 242; Austria.
1922. *Entomobrya pusilla* Latzel (1250) p. 65; Austria.

Entomobrya pygmaea Harvey, 1895

1895. *Entomobrya pygmaea* Harvey (1032) p. 198, fig. 2; U.S.A.

Entomobrya quadrilineata Buecker, 1939

NEO and PARATYPES: Mus. Comp. Zool., Harvard.
NEO-HOLOTYPE, NEO-PARATYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1939. *Entomobrya quadrilineata* Buecker (332) p. 15, figs. 44–47; St. Louis, U.S.A.
1952. *Entomobrya anthema* Wray (2204) p. 106, figs. 53–54; Illinois.
TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1953. *Entomobrya quadrilineata* Hammer (972) p. 54; Nth. Canada.
1958. *Entomobrya quadrilineata* Christiansen (445) p. 506, Pl. 15, figs. 10–15, Pl. 16, figs. 1–4; U.S.A.

Entomobrya quinquelineata Börner, 1901

1901. *Entomobrya quinquelineata* Börner (234) p. 69, Pl. I, fig. 4; Central Europe.
1908. *Entomobrya quinquelineata* Schille (1755) p. 10; Poland.
1912. *Entomobrya quinquelineata* Schille (1756) p. 10; Galizien.
1912. *Entomobrya quinquelineata* Schille (2394) p. 128; Poland.
1922. *Entomobrya quinquelineata* Stach (1860) p. 46; Hungary.
1923. *Entomobrya quinquelineata* Stach (1863) p. 11; Germany.
1925. *Entomobrya quinquelineata* Handschin (987) p. 166; Morocco.
1926. *Entomobrya quinquelineata* Handschin (990) p. 122, figs. 14–17; Algeria.
1928. *Entomobrya quinquelineata* Handschin (1005) p. 6; Algeria.
1929. *Entomobrya quinquelineata* Handschin (1008) p. 79, fig. 146; Hungary; Poland; Algeria; Germany.
1930. *Entomobrya quinquelineata* Stach (1869) p. 302; Germany; Poland; Hungary; Morocco.
1934. *Entomobrya quinquelineata* Womersley (2177) p. 409; Algeria; Morocco.
1935. *Entomobrya quinquelineata* Schubert (1791) pp. 117–, 379–; Germany.
1941. *Entomobrya quinquelineata* Buitendijk (336) p. 59; Netherlands; Poland; Algeria; Germany; Hungary.
1942. *Entomobrya quinquelineata* Marlier (1375) p. 9; Belgium.
1946. *Entomobrya quinquelineata* Gisin (857) p. 220; Switzerland.
1948. *Entomobrya quinquelineata* Gisin (869) p. 500; Switzerland; Ecology.

1951. *Entomobrya quinquelineata* Praport (1610) p. 144; Poland.
1951. *Entomobrya* 5-*lineata* Schaller (1746) p. 463; Germany; Ecology.
1952. *Entomobrya quinquelineata* Mihelcic (1406) p. 96; Ecology.
1955. *Entomobrya quinquelineata* Stach (1893) p. 166, fig. 497; Europe; Africa.
1956. *Entomobrya quinquelineata* Bockemuhl (193) p. 142; Spitzbergen.
1958. *Entomobrya quinquelineata* von Torne (1993) p. 669; Austria.
1959. *Entomobrya* 5-*lineata* Holler-Land (2284) p. 436; Germany.
1959. *Entomobrya quinquelineata* Paclt (2317) p. 340; Europe; Africa.
1960. *Entomobrya quinquelineata* Gisin (2271) p. 222, fig. 402; Europe.
1960. *Entomobrya* (*Entomobrya*) *quinquelineata* Grindbergs (2373) p. 48; U.S.S.R.

Entomobrya quinquelineata ataenia Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Entomobrya quinquelineata ataenia* Stach (1860) p. 47; Hungary.
1930. *Entomobrya quinquelineata ataenia* Stach (1869) p. 302; Germany; Poland; Hungary; Morocco.

Entomobrya quinquelineata trilineata Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Entomobrya quinquelineata trilineata* Stach (1860) p. 46, Pl. IV, fig. 9; Hungary.
1930. *Entomobrya quinquelineata trilineata* Stach (1869) p. 302; Germany; Poland; Hungary; Morocco.

Entomobrya quinquemucronata Salmon, 1954

TYPE: Brit. Mus. Nat. Hist., London.
1954. *Entomobrya quinquemucronata* Salmon (1700) p. 73, figs. 1–4; East Africa.

Entomobrya rubella Latzel, 1917

1917. *Entomobrya rubella* Latzel (1249) p. 243; Austria.
1922. *Entomobrya rubella* Latzel (1250) p. 65; Ostalpen and Karstes.

Entomobrya rubella signata Latzel, 1917

1917. *Entomobrya rubella signata* Latzel (1249) p. 244; Austria.
1922. *Entomobrya rubella signata* Latzel (1250) p. 65; Ostalpen and Karstes.

Entomobrya salta Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya salta* Salmon (1676) p. 357, Pl. 58, figs. 310–312; New Zealand.

Entomobrya saxatila Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya saxatila* Salmon (1676) p. 359, Pl. 59, figs. 320–322; New Zealand.

Entomobrya schoetti Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Entomobrya schötti* Stach (1860) p. 41, Pl. IV, figs. 6–8; Hungary.
1929. *Entomobrya schötti* Handschin (1008) p. 80, fig. 148; Hungary.
1930. *Entomobrya schötti* Stach (1869) p. 300; Hungary.
1941. *Entomobrya schötti* Tarsia in Curia (1955) p. 262; Italy.
1960. *Entomobrya schötti* Gisin (2271) p. 222; Hungary; Poland.

Entomobrya schoetti pigmentata Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Entomobrya schötti pigmentata* Stach (1860) p. 42.
1930. *Entomobrya schötti pigmentata* Stach (1869) p. 300; Hungary.
1941. *Entomobrya schötti pigmentata* Szent-Ivany (1947) p. 22; Hungary.

Entomobrya sexoculata Schött, 1896

1896. *Entomobrya sexoculata* Schött (1769) p. 180, Pl. II, figs. 30–32; Nth. America.
1914. *Entomobrya sexoculata* Bacon (94) pp. 156, 157, Pl. III, figs. 1–2; California; Undesignated variety.
1933. *Sinella sexoculata* Mills & Rolfs (1431) p. 81; Washington.
1937. *Entomobrya sexoculata* Scott (1795) p. 132; California.
1942. *Sinella sexoculata* Scott (1796) p. 180; West U.S.A.
1959. *Sinella sexoculata* Wilkey (2350) p. 223; California.

Entomobrya seychellarum Carpenter, 1916

LECTOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1916. *Entomobrya seychellarum* Carpenter (390) p. 37, Pl. XV, figs. 25–27; Seychelles.
1929. *Entomobrya seychellarum* Handschin (1007) p. 27; Seychelles.
1934. *Entomobrya seychellarum* Womersley (2177) p. 469; Seychelles.

Entomobrya simulans Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Entomobrya simulans* Denis (638) p. 133, figs. 119–121; Costa Rica.
1933. *Entomobrya simulans* Denis (645) p. 243; La Palma, Costa Rica.

Entomobrya sinelloides Christiansen, 1958

TYPE: Auth. Pers. Colln., Grinnell Coll., Grinnell, Iowa, U.S.A.
1958. *Entomobrya sinelloides* Christiansen (445) p. 498, Pl. 17, figs. 1–7; South Dakota.

Entomobrya spectabilis Reuter, 1890

1890. *Entomobrya spectabilis* Reuter (1638) p. 25, Pl. I, fig. 7; Finland.
1891. *Entomobrya spectabilis* Reuter (1639) p. 231.
1893. *Entomobrya spectabilis* Schött (1765) p. 49; Finland.
1895. *Entomobrya spectabilis* Reuter (1643) p. 21; Finland; Brazil.
1899. *Entomobrya spectabilis* Carl (352) p. 334; Switzerland.
1901. *Entomobrya spectabilis* Krausbauer (1204) p. 73; Germany.
1902. *Entomobrya spectabilis* Schött (1772) p. 30; Sweden.
1903. *Entomobrya spectabilis* Guthrie (951) p. 77; Minnesota; Original descr.
1907. *Entomobrya spectabilis* Axelson (83) p. 132; Finland.
1912. *Entomobrya spectabilis* Axelson (1292) p. 200; Finland.
1929. *Entomobrya spectabilis* Handschin (1008) p. 83; Finland; Sweden; Switzerland; Nth. America; Brazil.
1932. *Entomobrya spectabilis* Denis (643) p. 342; Berne.
1933. *Entomobrya spectabilis* Schubert (1787) p. 234; Ecology.

1937. *Entomobrya spectabilis* Schubert (1792) p. 127; Palearctic-Nearctic.
1943. *Entomobrya spectabilis* Agrell (47) p. 126; Sweden.
1960. *Entomobrya spectabilis* Gisin (2271) p. 224, fig. 408; Europe; Nth. America.

Entomobrya stagnorum (Templeton) 1835
1835. *Podura stagnorum* Templeton (1957) p. 96, Pl. XII, fig. 4; Ireland.

Entomobrya stenonyx Börner, 1909
TYPE: Brit. Mus. Nat. Hist., London.
1909. *Entomobrya stenonyx* Börner (246) pp. 11, 119; Japan.
1938. *Entomobrya stenonyx* Uchida (2015) p. 8; Japan.
1957. ***Entomobrya stenonyx*** Uchida (2042) p. 44; Japan.

Entomobrya straminea Börner, 1913, nec. Folsom.
1913. *Entomobrya straminea* Börner (251) p. 47, figs. 2, 3; Japan.
1920. *Entomobrya straminea* Handschin (978) p. 140; Java.
1925. *Entomobrya straminea* Handschin (985) p. 227; Java.
1928. *Entomobrya straminea* Handschin (1001) p. 266; Java.
1942. *Entomobrya straminea* Womersley (2193) p. 28, fig. 5; = *E. stramineola* Queensland; New Britain.
1942. *Entomobrya straminea* Yosii (2227) p. 477, fig. 2; Japan.

Entomobrya straminea violacea Handschin, 1920
1920. *Entomobrya straminea C.B., violacea* Handschin (978) p. 140; Java.

Entomobrya stramineola Womersley, 1942
1913. *Entomobrya straminea* Borner (251) p. 47, figs. 2, 3; Java.
1942. *Entomobrya stramineola* Womersley (2193) p. 28, fig. 5, A-C; Queensland; New Britain.

Entomobrya striatella Börner, 1909
TYPE: Brit. Mus. Nat. Hist., London.
1909. *Entomobrya striatella* Börner (246) p. 117; Japan.
1938. *Entomobrya striatella* Uchida (2015) p. 8; Japan.
1942. *Entomobrya striatella* Yosii (2227) p. 479, fig. 4; Japan.
1956. *Entomobrya striatella* Yosii (2235) p. 72; Japan.
1957. *Entomobrya striatella* Uchida (2042) p. 44; Japan.

Entomobrya styriaca Latzel, 1917
1917. *Entomobrya styriaca* Latzel (1249) p. 241; Austria.
1922. *Entomobrya styriaca* Latzel (1250) p. 63; Ostalpen and Karstes.

Entomobrya subarctica Stach, 1962
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1962. *Entomobrya subarctica* Stach (2558) p. 14, Pl. V, figs. 1–3; Spitzbergen.

Entomobrya suzannae Scott, 1937
1937. *Entomobrya suzennae* Scott (1795) p. 132, figs. 9–10; California.
1942. *Entomobrya suzannae* Scott (1796) p. 182; West U.S.A.
1958. *Entomobrya suzannae* Christiansen (445) p. 496, Pl. 13, figs. 1–12; California.
1959. *Entomobrya suzannae* Wilkey (2350) p. 223; California.

Entomobrya tasmanica Womersley, 1934
1934. *Entomobrya tasmanica* Womersley (2178) p. 114, fig. 12 a-e; Tasmania.
1939. *Entomobrya tasmanica* Womersley (2190) p. 181, fig. 58 N-R; Tasmania.

Entomobrya tenuicauda Schött, 1917
PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
PARATYPE: Brit. Mus. Nat. Hist., London.
1917. *Entomobrya tenuicauda* Schött (1774) p. 14, fig. 16; Sth. Queensland; Tasmania.
1934. *Entomobrya tenuicauda* Womersley (2178) p. 112; W. Australia; Tasmania.
1939. *Entomobrya tenuicauda* Womersley (2190) p. 180, fig. 58-U; Australia.
1942. *Entomobrya tenuicauda* Pescott (1580) p. 69; Collembola infesting human beings.

Entomobrya termitophila Schött, 1917
LECTOTYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Entomobrya termitophila* Schött (1774) p. 12, Pl. I, fig. 6; Queensland.
1934. *Entomobrya termitophila* Womersley (2178) p. 111; Sth. Australia.
1939. *Entomobrya termitophila* Womersley (2190) p. 179, fig. 58-T; Sth. Australia.

Entomobrya termitophila clarki Womersley, 1937
TYPE: Sth. Austr. Mus., Adelaide.
1937. *Entomobrya termitophila clarki* Womersley (2188) p. 156, fig. 1–K; Australia.
1939. *Entomobrya termitophila clarki* Womersley (2190) p. 179; Victoria.
1942. *Entomobrya termitophila clarki* Womersley (2193) p. 28; Australia.

Entomobrya tokunagai Yosii, 1942
1942. *Entomobrya tokunagai* Yosii (2227) p. 480, fig. 5; Japan.
1955. *Entomobrya tokunagai* Yosii (2233) p. 389; Tokara Islands.
1957. *Entomobrya tokunagai* Uchida (2042) p. 44; Japan.

Entomobrya totapunctata Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Entomobrya totapunctata* Salmon (1676) p. 352; Pl. 57, figs. 294–297; New Zealand.
1943. *Entomobrya totapunctata* Salmon (1680) p. 385; New Zealand.

Entomobrya triangularis Schött, 1896
1896. *Entomobrya triangularis* Schött (1769) p. 182, Pl. II, fig. 36; Nth. America.
1932. *Entomobrya triangularis* Mills (1416) p. 269; Nth. America.
1933. *Entomobrya triangularis* Mills & Rolfs (1431) p. 82; Washington.
1935. *Entomobrya tampicensis* Mills (1418) p. 137, figs. 7, 14–17; Washington, U.S.A.
1948. *Entomobrya triangularis* Spencer (1851) p. 22; Canada.
1951. *Entomobrya (Entomobrya) triangularis* Maynard (1393) p. 156, Pl. XVI, figs. 267, 268; New York.
1958. *Entomobrya triangularis* Christiansen (445) p. 486, Pl. 10, figs. 1–17; California.
1958. *Entomobrya tampicensis* Christiansen (445) p. 486; Synonymy.
1959. *Entomobrya triangularis* Wilkey (2350) p. 223; California.

Entomobrya trifasciata Handschin, 1927
1927. *Entomobrya trifasciata* Handschin (997) p. 111, T-fig. 4, figs. 6–8; Costa Rica.
1931. *Entomobrya trifasciata* Denis (638) p. 163; Costa Rica.

Entomobrya troglodytes Christiansen, 1958
PARATYPES: Auth. Pers. Colln., Grinnell Coll., Grinnell, Iowa, U.S.A.
1958. *Entomobrya troglodytes* Christiansen (445) p. 484, Pl. 9, figs. 9–16; Sth. Dakota.
1960. *Entomobrya troglodytes* Christiansen (2364) p. 41; Nth. America, caves.

Entomobrya tupiana Arlé, 1939
1939. *Entomobrya tupiana* Arlé (62) p. 27, figs. 10–13; Rio de Janiero.

Entomobrya uambae Arlé, 1959
TYPE: Musée Nacional, Rio de Janeiro, Brazil.
1959. *Entomobrya uambae* Arlé (2250) p. 170, figs. 136–142; Brazil.

Entomobrya unostrigata Stach, 1930
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Entomobrya unostrigata* Stach (1870) p. 63, Pl. XIV, figs. 5–8; Spain.
1953. *Drepanura kanaba* Wray (2205) p. 4; America.
1956. *Entomobrya unostrigata* Christiansen (441) p. 129; U.S.A.
1958. *Entomobrya unostrigata* Christiansen (445) p. 469, Pl. 5, figs. 1–13; Synonymy; California; Colorado; Utah.
1958. *Entomobrya unostrigata* Owen & Owen (1516) p. 252–; damaging cotton, Texas, New Mexico.
1959. *Entomobrya unostrigata* Wilkey (2350) p. 224; California.
1960. *Entomobrya unostrigata* Gisin (2271) p. 221; fig. 401; Spain; Nth. Africa; U.S.A.

Entomobrya unostrigata astrigata Stach, 1930
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Entomobrya unostrigata astrigata* Stach (1870) p. 64; Spain.

Entomobrya varia Schött, 1917
LECTOTYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Entomobrya varia* Schött (1774) p. 11, Pl. I, figs. 1–5; Queensland.
1934. *Entomobrya varia* Womersley (2178) p. 112; W. Australia; Sth. Australia.
1936. *Entomobrya varia* Womersley (2183) p. 322; New Zealand.
1937. *Entomobrya varia* Womersley (2184) p. 205; New Britain; Papua.
1939. *Entomobrya varia* Womersley (2190) p. 180, fig. 58 S; Australia; Tasmania.
1941. *Entomobrya varia* Salmon (1676) p. 355, fig. 318; New Zealand; Pigmentation.

Entomobrya villosa Börner, 1909
1909. *Entomobrya villosa* Börner (246) p. 116; Japan.
1938. *Entomobrya villosa* Uchida (2015) p. 8; Japan.
1957. *Entomobrya villosa* Uchida (2042) p. 44; Japan.

Entomobrya villosa leucodesmia Börner, 1909
1909. *Entomobrya villosa leucodesmia* Börner (246) p. 117; Japan.
1938. *Entomobrya villosa leucodesmia* Uchida (2015) p. 8; Japan.
1958. *Entomobrya villosa leucodesmia* Uchida (2042) p. 44; Japan.

Entomobrya villosa nigrita Börner, 1909
1909. *Entomobrya villosa nigrita* Börner (246) p. 117; Japan.
1938. *Entomobrya villosa nigrita* Uchida (2015) p. 8; Japan.
1957. *Entomobrya villosa nigrita* Uchida (2042) p. 38–; Japan.

Entomobrya virescens Schaeffer, 1897
1897. *Entomobrya virescens* Schaeffer (1736) p. 23, figs. 57–59; Chile.

Entomobrya virgata Schött, 1917
LECTOTYPE, PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Entomobrya virgata* Schött (1774) p. 13, fig. 15; Nth. Queensland.
1939. *Entomobrya virgata* Womersley (2190) p. 179, fig. 58V; Nth. Queensland.

Entomobrya virgata nigrella Womersley, 1934
TYPE, PARATYPE: Sth. Austr. Mus., Adelaide.
1934. *Entomobrya virgata nigrella* Womersley (2178) p. 111; Sth. Australia.
1936. *Entomobrya virgata nigrella* Womersley (2182) p. 480; Tasmania.
1939. *Entomobrya virgata nigrella* Womersley (2190) p. 179; Sth. Australia; Tasmania.

Entomobrya washingtonia Mills, 1935
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1935. *Entomobrya washingtonia* Mills (1418) figs. 4, 13, Washington.
1942. *Entomobrya washingtonia* Scott (1796) p. 182; West U.S.A.
1958. *Entomobrya washingtonia* Christiansen (445) p. 492, Pl. 11, figs. 8–16; Washington; Canada.

Entomobrya wasmanni Handschin, 1924
1924. *Entomobrya wasmanni* Handschin (982) p. 14, fig. 1; Sth. America.
1924. *Entomobrya inaequalis* Denis (616) p. 236, figs. 55, 56; Brazil.
1933. *Entomobrya wasmanni* Bonet (209) p. 137, figs. V, VI; Argentina; Ad. descr.

Entomobrya wheeleri Folsom, 1921
TYPES: Mus. Comp. Zool., Harvard.
1921. *Entomobrya wheeleri* Folsom (793) p. 237, fig. 18; British Guiana.

Entomobrya womersleyi (Womersley, 1934) Bagnall, 1939
SYNTYPES: Sth. Austr. Mus., Adelaide.
1934. *Entomobrya maritima* Womersley (2178) p. 112, fig. 10 i–k; South Australia.
1939. *Entomobrya womersleyi* Bagnall (117) p. 101; *nom. nov.*
1939. *Entomobrya womersleyi* Bagnall (119) p. 101; Sth. Australia.
1939. *Entomobrya womersleyi* Womersley (2190) p. 321; Nomenclature.
1939. *Entomobrya maritima* Womersley (2190) p. 181, fig. 58 H-J; Sth. Australia.

Entomobrya xanthoderma Rapoport & de Izarra, 1962
1962. *Entomobrya xanthoderma* Rapoport & de Izarra (2579) p. 255, figs. 41–46; Argentina.

Entomobrya zaitzewi Axelson, 1919
TYPE: Univ. Mus., Div. Ent., Helsinki.
1919. *Entomobrya zaitzewi* Axelson (1293) p. 9, figs. 1, 2; Siberia.
1960. *Entomobrya zaitzewi* Gisin (2271) p. 224; fig. 410; Arctic Urals.
1960. *Entomobrya* (*Entomobrya*) *zaitzevi* Grindbergs (2373) p. 49; U.S.S.R.

Genus: CORYNOTHRIX* Tullberg, 1876 (2004) p. 33.

Type species fixed: *C. borealis* Tullberg, by Borner, 1903 (239) p. 178.

Corynothrix borealis Tullberg, 1876

1876. *Corynothrix borealis* Tullberg (2004) p. 34, T-fig. IX, figs. 13–16; Scandinavia.
1887. *Corynothrix borealis* Stuxberg (1936) p. 42; Novaya Zemlya.
1893. *Corynothrix borealis* Schött (1765) p. 57, Pl. 4, figs. 9–11; Novaya Zemlya.
1900. *Corynothrix borealis* Schaffer (1738) p. 249; Novaya Zemlya; Waigatsch; N.W. Siberia.
1900. *Corynothrix borealis* Skorikow (1833) p. 198; Spitzbergen.
1900. *Corynothrix borealis* Wahlgren (2077) p. 374; Novaya Zemlya.
1902. *Corynothrix borealis* Skorikow (1835) p. 92; Spitzbergen.
1903. *Corynothrix borealis* Börner (239) p. 178; Systematics.
1919. *Corynothrix borealis* Axelson (1293) p. 8; Arctic Urals.
1924. *Corynothrix borealis* Schött (1776) p. 14; Novaya Zemlya; Systematics.
1960. *Corynothrix borealis* Grindbergs (2373) p. 47; U.S.S.R.

Corynothrix sinensis (Denis) 1929

1929. *Orchesella sinensis* Denis (633) p. 318, fig. X; Fukien, China.
1942. *Corynothrix sinensis* Yosii (2227) p. 491, fig. 14; Japan.
1955. *Orchesella sinensis* Uchida (2034) p. 201; Japan; China.
1957. *Corynothrix sinensis* Uchida (2042) p. 42; Japan; China.
1960. *Orchesella sinencis* Stach (2397) p. 24; China.

Genus: ENTOMOBRYOIDES Maynard, 1951 (1393) p. 161.

Type species fixed: *E. purpurascens* (Packard) by Maynard, 1951 (1393) p. 161.

Entomobryoides dissimilis (Moniez) 1894

1894. *Entomobrya dissimilis* Moniez (1452) p. 207; Washington.
1923. *Entomobrya dissimilis* Denis (611) p. 228, figs. 21–24; Taxonomy.
1944. *Entomobrya purpurascens* Gisin (854) p. 72; Systematics; Europe.
1958. *Entomobryoides dissimilis* Christiansen (445) p. 526, Pl. 20, figs. 7–13; U.S.A.

Entomobryoides guthriei (Mills) 1931

COTYPES: Amer. Mus. Nat. Hist., New York; Illinois State Nat. Hist. Surv., Urbana, Illinois.
1931. *Entomobrya guthriei* Mills (1415) p. 4, figs. 12–14; California.
1933. *Sinella guthriei* Mills and Rolfs (1431) p. 81; Washington.
1958. *Entomobryoides guthriei* Christiansen (445) p. 529, Pl 21, figs. 1–13; U.S.A.; Canada.
1958. *Entomobryoides guthriei* Christiansen (447) p. 8–, fig. 1; Nth. America.
1959. *Entomobryoides guthriei* Wilkey (2350) p. 224; California.

Entomobryoides mineola (Folsom) 1924

SYNTYPES: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Entomobrya mineola* Folsom (797) p. 5, figs. 11–15; Mineola; New York.
1942. *Entomobrya mineola* Brimley (276) p. 4; Nth. Carolina.
1942. *Entomobrya mineola* Mills (1423) p. 4; Nth. Carolina.
1951. *Entomobrya mineola* Maynard (1393) p. 156, Pl. I, 17, Pl. XVI, 265; New York.
1951. *Entomobrya purpurascens* Wray (2202) p. 7; Nth. Carolina.
1958. *Entomobryoides mineola* Christiansen (445) p. 523, Pl. 20, figs. 1–6; U.S.A.

Entomobryoides purpurascens (Packard) 1873

TYPES and LECTOTYPE: Mus. Comp. Zool., Harvard.
1873. *Degeeria purpurascens* Packard (1521) p. 39; Maine; Tennessee; Massachusetts.
1876. *Degeeria purpurascens* Packard (1522) Pl. 10, figs. 4, 5.
1884. *Entomobrya purpurascens* Brook (292) p. 282; Nth. America.
1891. *Entomobrya purpurascens* MacGillivray (1341) p. 273; Maine; Massachusetts; Tennessee.
1903. *Entomobrya purpurascens* Guthrie (951) p. 76; Minnesota.
1909. *Entomobrya purpurascens* Dow & Smith (692) p. 35; New Jersey.
1933. *Entomobrya purpurascens* James (1124) p. 104; Canada.
1933. *Entomobrya purpurascens* Mills & Rolfs (1431) p. 82; Washington.
1934. *Entomobrya subpurpurascens* Denis (649) p. 212; France; cf. Gisin (2271) p. 218.
1934. *Entomobrya purpurascens* Mills (1417) p. 67, figs. 6, 115, 116; Iowa, U.S.A.; Canada.
1939. *Entomobrya purpurascens* Bueker (332) p. 12, figs. 48–52; St. Louis, U.S.A.
1939. *Entomobrya purpurascens* Mills (1422) p. 161; Nth. America.
1942. *Entomobrya purpurascens* Scott (1796) p. 182; West U.S.A.
1946. *Entomobrya purpurascens* Pearse (1575) p. 139; Ecology.
1950. *Entomobrya purpurascens* Wray (2216) p. 62; Utah.
1951. *Entomobrya* (*Entomobryoides*) *purpurascens* Maynard (1393) p. 162, Pl. I, 16, XVII, 272–273; New York.
1952. *Entomobryoides purpurascens* Minch (1433) p. 33; U.S.A.
1954. *Entomobryoides purpurascens* Christiansen (440) p. 177; Nearctic.
1956. *Entomobrya purpurascens* Wray & Knowlton (2214) p. 4; Idaho.
1958. *Entomobryoides purpurascens* Christiansen (445) p. 519, Pl. 19, figs. 1–15; France; U.S.A.; Canada.
1959. *Entomobryoides purpurascens* Wilkey (2350) p. 224; California.
1960. *Entomobrya purpurascens* Gisin (2271) p. 218, fig. 393; France; Switzerland; Nth. America.

* This genus, generally regarded as intermediate in characters between the Isotomidae and the Entomobryidae, is in my opinion best placed in the latter family on account of the slightly greater length of Abd IV over Abd III and the presence of flexed ciliated setae on the dorsum.

Entomobryoides subpurpurascens (Denis) 1934

1934. *Entomobrya subpurpurascens* Denis (649) p. 212; France.
1960. *Entomobrya subpurpurascens* Gisin (2271) p. 218; = *E. purpurascens.*

Genus: PSEUDENTOMOBRYA Salmon, 1941 (1676) p. 366.
Type species fixed: *P. glaciata* by Salmon, 1941 (1676) p. 366.

Pseudentomobrya glaciata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Pseudentomobrya glaciata* Salmon (1676) p. 367, Pl. 61, figs. 346–348; New Zealand.

Pseudentomobrya glaciata nigralata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Pseudentomobrya glaciata nigralata* Salmon (1676) p. 367; New Zealand.

Pseudentomobrya indica Baijal, 1955

TYPE: Zool. Survey of India, Calcutta.
1955. *Pseudentomobrya indica* Baijal (132) p. 535, 3 figs; Himalayas.

Pseudentomobrya intercolorata Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Pseudentomobrya intercolorata* Salmon (1680) p. 386, Pl. 42, figs. 56–58; New Zealand.

Pseudentomobrya interfilixa Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Pseudentomobrya interfilixa* Salmon (1676) p. 368, Pl. 61, figs. 351–352; New Zealand.

Pseudentomobrya lampreyi Salmon, 1957

TYPE: Brit. Mus. Nat. Hist., London.
1957. *Pseudentomobrya lampreyi* Salmon (1715) p. 49, figs. 1–3; Himalayas.

Pseudentomobrya miniparva Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Pseudentomobrya miniparva* Salmon (1676) p. 369, Pl. 60, fig. 343; New Zealand.

Pseudentomobrya proceraseta Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Pseudentomobrya proceraseta* Salmon (1676) p. 369, Pl. 61, figs. 353–354; New Zealand.

Pseudentomobrya processa Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Pseudentomobrya processa* Salmon (1676) p. 367, Pl. 61, figs. 349–350; New Zealand.

Pseudentomobrya proxima (Folsom) 1924

TYPE: Mus. Comp. Zool., Harvard.
1924. *Pseudosinella proxima* (*olim*) Folsom (796) p. 507, Pl. 2, figs. 12–15; Sumatra.
1924. *Entomobrya proxima* Folsom (796) p. 507, Pl. 2, figs. 12–15; Sumatra.
1951. *Pseudentomobrya proxima* Salmon (1694) p. 131; Singapore Island.

Genus: EPIMETRURA Schött, 1925 (1777) p. 117.
Type species fixed: *E. mirabilis* by Schött, 1925 (1777) by monotypy.

Epimetrura mirabilis Schött, 1925

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1925. *Epimetrura mirabilis* Schött (1777) p. 118, figs. 19–22; Nth. Sarawak.
1928. *Epimetrura mirabilis* Handschin (1001) p. 267; Borneo.

Epimetrura tonkinensis Denis, 1948

1948. *Epimetrura tonkinensis* Denis (676) p. 243, fig. 21; Indo-China.

Genus: PSEUDOCYRTUS Salmon, 1956 (1712) p. 30.
Type species fixed: *P. projectus,* by Salmon, 1956 (1712) p. 30.

Pseudocyrtus projectus Salmon, 1956

TYPES: Mus. Roy. Congo Belge, Tervuren.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1956. *Pseudocyrtus projectus* Salmon (1712) p. 30, figs. 81–87; Ruanda, Congo.

Genus: LEPIDOCYRTOIDES Schött, 1917 (1774) p. 38.
Type species fixed: *L. cucullaris,* by Schött, 1925 (1777) p. 111.

Lepidocyrtoides cheesmani Womersley, 1937

1937. *Lepidocyrtoides cheesmani* Womersley (2184) p. 207, fig. 1 b-e; New Guinea.
1942. *Lepidocyrtoides cheesmani* Womersley (2193) p. 28; Australia, Queensland.
1944. *Lepidocyrtoides cheesmani* Uchida (2021) p. 11; Japan.

Lepidocyrtoides cheesmani fasciatus Womersley, 1937

1937. *Lepidocyrtoides cheesmani fasciatus* Womersley (2184) p. 207; New Guinea.
1944. *Lepidocyrtoides cheesmani fasciatus* Uchida (2021) p. 11; Reference.

Lepidocyrtoides cucullaris Schött, 1917

LECTOTYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Lepidocyrtoides cucullaris* Schött (1774) p. 39, Pl. 3, fig. 3; Queensland.
1939. *Lepidocyrtoides cucularis* Womersley (2190) p. 194, fig. 61 F; Queensland.
1944. *Lepidocyrtoides cucularis* Uchida (2021) p. 11; Queensland.

***Lepidocyrtoides maximus** (Schött) 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Lepidocyrtus maximus* Schött (1764) p. 11, Pl. III; Cameroons.
1926. *Lepidocyrtus maximus* Schött (1779) p. 17, Pl. I, figs. 29–30; Diagnosis; Cameroons.
1934. *Lepidocyrtus maximus* Womersley (2177) p. 470; Cameroons.

Lepidocyrtoides novae-caledoniae Yosii, 1960

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1960. *Lepidocyrtoides novae-caledoniae* Yosii (2408) p. 20, fig. 10; New Caledonia.

Lepidocyrtoides sagmarius Schött, 1917

PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Lepidocyrtoides sagmarius* Schött (1774) p. 43, fig. 45; Queensland.
1930. *Lepidocyrtoides sagmarius* Womersley (2163) p. 61; New Zealand.

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* This species from fig. 1 of Pl. III in Schött's paper (1764) obviously cannot be a *Lepidocyrtus.* It is most likely a *Lepidocyrtoides* and is therefore transferred here.

Lepidocyrtoides striatus (Schött) 1901

1901. *Lepidocyrtus striatus* Schött (1771) p. 326, figs. 40–42; New Guinea.
1937. *Lepidocyrtoides striatus* Womersley (2184) p. 206; Dutch New Guinea; Papua.
1944. *Lepidocyrtoides* (*Lepidocyrtoides*) *striatus* Uchida (2021) p. 11; Reference.

Lepidocyrtoides tunetanus (Stach) 1924

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1924. *Lepidocyrtus* (*Lepidocyrtoides*) *tunetanus* Stach (1864) p. 116, Pl. I, figs. 11–12, 14; Tunis.

Lepidocyrtoides yasumatsui Uchida, 1944

1944. *Lepidocyrtoides yasumatsui* Uchida (2021) p. 10, Pl. X; Micronesia.
1958. *Lepidocyrtoides yasumatsui* Uchida (2044) p. 15; Micronesia.

Genus: *CALISTELLA Reuter, 1895 (1643) p. 20; in Schött, 1893 (1765) p. 46.
Type species now designated: *C. superba* Reuter, 1895 (1643) p. 20, by monotypy; cf. Schött, 1902 (1772) p. 33; Handschin, 1925 (985) p. 231.

Calistella reinhardi Skorikow, 1899

1899. *Calistella Reinhardi* Skorikow (1830) p. 394, Tab. VI, fig. 5; Russia.

Calistella superba (Reuter) 1876

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1876. *Degeeria superba* Reuter (1628) p. 85; Finland.
1884. *Entomobrya superba* Brook (292) p. 279; Finland; Original description.
1886. *Degeeria superba* Reuter (1637) p. 179; Finland.
1890. *Entomobrya dorsalis* Uzel (2050) p. 60, Pl. I, fig. 6, Pl. II, figs. 8, 9; Czechoslovakia.
1890. *Entomobrya puncteola* Uzel (2050) p. 61, Pl. I, fig. 5, Pl. II, fig. 10; Czechoslovakia.
1893. *Calistella superba* Schött (1765) p. 47, Pl. IV, figs. 1–4; Finland.
1895. *Calistella superba* Reuter (1643) p. 20; Finland; Bohemia; Hungary.
1899. *Calistella reinhardti* Skorikow (1830) p. 394; Russia.
1900. *Calistella superba* Vellay (2056) p. 21; Hungary.
1901. *Entomobrya superba* Krausbauer (1204) p. 75, figs. 71–74, Pl. II; Germany.
1902. *Calistella superba* Becker (158) p. 29; Russia.
1902. *Calistella superba* Schött (1772) p. 33; North Scandinavia.
1902. *Calistella superba* Skorikow (1834) p. 157; Shedding of skin.
1906. *Entomobrya* (*Calistella*) *superba* Börner (243) p. 146.
1907. *Entomobrya superba* Axelson (83) p. 132; Finland.
1908. *Entomobrya superba* Schille (1755) p. 10; Poland.
1912. *Entomobrya superba* Axelson (1292) p. 209, Pl. XIV, figs. 9–12; Finland.
1912. *Entomobrya superba* Dahl (496) p. 424; Ecology.
1912. *Entomobrya superba* Schille (1756) p. 10; Galizien.
1912. *Entomobrya superba* Schille (2394) p. 128; Poland.
1922. *Entomobrya superba* Stach (1860) p. 49; Hungary; Historical note.
1924. *Entomobrya superba* Handschin (984) p. 172; Hochmoor Estland.
1924. *Entomobrya superba* Houlbert (1078) p. 117; = *E. orchesselloides.*
1929. *Entomobrya superba* Handschin (1008) p. 78, fig. 143; Synonymy; Germany; Hungary; Poland; Finland; Russia.
1930. *Calistella superba* Kel'shtein (1161) p. 77; Russia.
1930. *Entomobrya superba* Stach (1869) p. 304; Finland; Hungary; Poland.
1933. *Entomobrya superba* Schubert (1787) p. 268; Ecology.
1948. *Entomobrya superba* Gisin (869) p. 508; France; Ecology.
1956. *Entomobrya superba* Stevanovic (1903) p. 4–; Yugoslavia.
1958. *Entomobrya superba* Grindbergs (2276) p. 75; Latvia.
1958. *Entomobrya superba* Grindbergs (2277) p. 199; Latvia.
1960. *Entomobrya superba* Gisin (2271) p. 219, fig. 394; Europe.
1960. *Entomobrya* (*Entomobrya*) *superba* Grindbergs (2373) p. 47; U.S.S.R.

Genus: STRONGYLONOTUS MacGillivray, 1894 (1343) p. 107.
Type species fixed: *S. summersi,* by MacGillivray, 1894 (1343) p. 107.

Strongylonotus summersi MacGillivray, 1894

1894. *Strongylonotus summersii* MacGillivray (1343) p. 107; North America.
1927. *Lepidocyrtus summersi* Folsom (799) p. 9, Pl. 7, figs. 58–60; Central America.

Genus: MESIRA Scherbakow, 1898 (1750) p. 62.
= *Ctenocyrtinus* Arlé, 1959 (2250) p. 171–.
Type species fixed: *M. squamoornata* Scherbakow, by Börner, 1906 (243) p. 175.

Mesira annulicornis Börner, 1903

1903. *Mesira annulicornis* Börner (239) p. 154; Africa.
1908. *Mesira annulicornis* Wahlgren (2086) p. 7; Kilimanjaro.
1912. *Pseudosira* (*Mesira*) *annulicornis* Börner (248) p. 283; Central Africa.
1929. *Mesira annulicornis* Handschin (1007) p. 27; Nyasa.
1929. *Pseudosira* (*Mesira*) *annulicornis* Womersley (2162) p. 154; Rhodesia.
1935. *Lepidocyrtinus* (*Mesira*) *annulicornis* Denis (651) p. 3; Mozambique.

Mesira armillata Wahlgren, 1908

1908. *Mesira armillata* Wahlgren (2086) p. 6, Pl. I, figs. 11, 12; Kilimanjaro.
1929. *Mesira armillata* Handschin (1007) p. 27; Kilimanjaro.

Mesira armillata pallida (Delamare Deboutteville) 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1953. *Lepidocyrtinus armillata pallida* Delamare Deboutteville (585) p. 826, fig. 6 a-c; Kilimanjaro.
1954. *Lepidocyrtinus armillata pallida* Salt (1723) p. 418; Kilimanjaro.

Mesira australica (Schött) 1917

PARATYPES: Sth. Austr. Mus., Adelaide.
LECTOTYPE: Swed. Mus. Nat. Hist., Stockholm.
1917. *Lepidocyrtoides australicus* Schött (1774) p. 40, Pl. 3, fig. 1; Queensland.

* Although Schött, in his 1893 paper (1765) p. 46, was the first to publish the genus *Calistella,* in the introduction of this paper he accounts for the validity of Reuter's authorship of *Calistella* in 1895 (1643) p. 20, by the fact that he was permitted in 1893 to use new systematic material of Reuter's which was then still in manuscript form.

1934. *Mesira australica* Womersley (2178) p. 121; Australia.
1937. *Mesira australica* Womersley (2184) p. 206; Papua.
1939. *Mesira australica* Womersley (2190) p. 199, fig. 62 R-S; South Australia.
1944. *Mesira* (*Lepidocyrtoides*) *australica* Uchida (2021) p. 11; Reference.

Mesira australica tamburinensis (Schött) 1917

LECTOTYPE: Swed. Mus. Nat. Hist., Stockholm.
PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Lepidocyrtoides australicus tamburinensis* Schött (1774) p. 41, Pl. 3, fig. 2; Queensland.
1939. *Mesira australica tambourinensis* Womersley (2190) p. 199; Queensland.

Mesira brunnea Womersley, 1935

SYNTYPES: Sth. Austr. Mus., Adelaide.
1935. *Mesira brunnea* Womersley (2181) p. 217, fig. 5 d-e; Australia.
1939. *Mesira brunnea* Womersley (2190) p. 199, fig. 62 T-U; Queensland.
1942. *Mesira brunnea* Womersley (2193) p. 29; Australia.

Mesira caeruleacrura Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Mesira caeruleacrura* Salmon (1676) p. 370, Pl. 61, figs. 355–357; New Zealand.

Mesira cincta Womersley, 1942

TYPE: Sth. Austr. Mus., Adelaide.
1942. *Mesira cincta* Womersley (2193) p. 29, fig. 6 A-B; Victoria.

Mesira fasciata Womersley, 1934

SYNTYPES: Sth. Austr. Mus., Adelaide.
1934. *Mesira fasciata* Womersley (2178) p. 121, fig. 13 j-o; Queensland.
1939. *Mesira fasciata* Womersley (2190) p. 198, fig. 62 J-N; Queensland.

Mesira flavocincta (Schött) 1917

PARATYPE: Sth. Austr. Mus., Adelaide.
LECTOTYPE: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Lepidocyrtoides flavocinctus* Schött (1774) p. 42, fig. 44; Australia.
1934. *Mesira flavocincta* Womersley (2178) p. 120, T.fig. 14 a-c; Australia.
1937. *Mesira flavocincta* Womersley (2187) p. 156; Tasmania.
1939. *Mesira flavocincta* Womersley (2190) p. 198, fig. 62 O-Q; Australia.
1944. *Mesira* (*Lepidocyrtoides*) *flavocincta* Uchida (2021) p. 11; Reference.

Mesira flavocincta unicolor Womersley, 1934

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Mesira flavocincta unicolor* Womersley (2178) p. 120; W. Australia.
1939. *Mesira flavocincta unicolor* Womersley (2190) p. 198; Australia.
1942. *Mesira flavocincta unicolor* Womersley (2193) p. 29; Australia.

Mesira inermodentes Uchida, 1944

1944. *Mesira inermodentes* Uchida (2021) p. 7, Pl. VII; Micronesia.
1958. *Sira inermodentes* Uchida (2044) p. 14; Micronesia.

Mesira laeta (Börner) 1908

1908. *Pseudosira* (*Mesira*) *laeta* Börner (245) p. 55, figs. 1, 2; South Africa.
1956. *Mesira laeta* Salmon (1712) p. 23; Taxonomy.

Mesira longicornis (Schött) 1917

TYPE, PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Lepidocyrtoides longicornis* Schött (1774) p. 38, Pl. 3, fig. 6; Nth. Queensland.
1939. *Mesira longicornis* Womersley (2190) p. 195, fig. 62 A-B; Queensland.
1944. *Mesira* (*Lepidocyrtoides*) *longicornis* Uchida (2021) p. 11; Queensland.

Mesira nigrans (Arlé) 1959

TYPE: Musée Nacional, Rio de Janeiro.
1959. *Ctenocyrtinus nigrans* Arlé (2250) p. 174, fig. 157; Brazil.

Mesira prodigus (Arlé) 1959

TYPE: Musée Nacional, Rio de Janeiro.
1959. *Ctenocyrtinus prodigus* Arlé (2250) p. 171, figs. 144–154; Brazil.

Mesira prodigus xinguensis (Arlé) 1959

TYPE: Musée Nacional, Rio de Janeiro.
1959. *Ctenocyrtinus prodigus xinguensis* Arlé (2250) p. 174, figs. 155–156; Brazil.

Mesira squamoornata Scherbakow, 1898

1898. *Mesira squamoornata* Scherbakow (1750) p. 63, figs. 4–6; Kiev.
1902. *Mesira squamoornata* Skorikow (1834) p. 157; shedding of "skin."
1908. *Mesira laeta* Börner (245) p. 55, figs. 1, 2; Sth. Africa.
1938. *Mesira squamoornata* Drenowski (696) p. 113; Bulgaria.
1951. *Mesira squamoornata* Stach (1889) p. 21, fig. 11; Systematics.
1956. *Mesira squamoornata* Salmon (1712) p. 21, figs. 57–63; Ruanda, East Africa; Taxonomy.
1959. *Seira squamoornata* Paclt (2316) p. 51, figs. 7–12; South Africa.
1959. *Seira* (*Mesira*) *squamoornata* Paclt (2390) p. 420; Egypt.
1960. *Seira squamoornata* Altner (2355) p. 137; Systematics.
1960. *Seira squamoornata* Gisin (2271) p. 237; Poland; Ukraine; Slovakia.
1960. *Seira squamoornata* Grindbergs (2373) p. 51; U.S.S.R.

Mesira squamoornata incolorata (Wahlgren) 1906

1906. *Lepidocyrtus incoloratus* Wahlgren (2081) p. 8, figs. 11–14; Egypt.
1903. *Lepidocyrtus domesticus* Börner (239) p. 151; Germany.
1923. *Sira dollfusi pallens* Denis (613) p. 55; France.
1924. *Lepidocyrtus* (*Lepidocyrtoides*) *tunetanus* Stach (1864) p. 116, Pl. I, figs. 11, 12, 14; Tunis.
1942. *Pseudosira squamoornata incolorata* Handschin (1012) p. 424; Synonymy; Palestine.
1948. *Lepidocyrtinus squamoornata incolorata* Delamare Deboutteville (553) p. 3, figs. 1–7; Nth. Africa.

Mesira voeltzkowi (Börner) 1907

1907. *Pseudosira* (*Mesira*) *Voeltzkowi* Börner (244) p. 152, figs. 8–10; Madagascar.
1956. *Mesira voeltzkowi* Salmon (1712) p. 23; Taxonomy.

Mesira voeltzkowi pallida Börner, 1907

1907. *Mesira Voeltzkowi pallida* Börner (244) p. 154; Madagascar.

Genus: PROMESIRA Womersley, 1942 (2193) p. 29
Type species fixed: *P. nigrocephala*, by Womersley, 1942 (2193) p. 29.

Promesira bifasciata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Promesira bifasciata* Salmon (1683) p. 157, Pl. 61, figs. 133–138; New Zealand.

Promesira elongata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Promesira elongata* Salmon (1683) p. 156, Pl. 60, figs. 124–127; New Zealand.

Promesira nigrocephala (Womersley) 1936

SYNTYPES: Sth. Austr. Mus., Adelaide.
1936. *Mesira nigrocephala* Womersley (2182) p. 480, fig. 4 a-c; Australia.
1939. *Mesira nigrocephala* Womersley (2190) p. 196, fig. 62 C-I; Victoria, Australia.
1942. *Promesira nigrocephala* Womersley (2193) p. 29; Queensland.
1960. *Lepidosira nigrocephala* Yosii (2408) p. 18, fig. 8; New Caledonia.

Genus: HETEROMURICUS Imms, 1912 (1090) p. 92.
Type species now designated: *H. cercifer* Imms, 1912 (1090) p. 92; by monotypy.

Heteromuricus cercifer Imms, 1912

PARATYPES: Brit. Mus. Nat. Hist., London.
1912. *Heteromuricus cercifer* Imms (1090) p. 92, Pl. VIII, figs. 49–51, Pl. IX, figs. 52–54; India.
1929. *Heteromuricus cercifer* Handschin (1006) p. 256, figs. 48–52; South India.

Heteromuricus dogieli Philiptschenko, 1926

1926. *Heteromuricus dogieli* Philiptschenko (1592) p. 190, figs. 21–25; Brit. E. Africa.
1929. *Dicranocentrus dogieli* Handschin (1007) p. 27; East Africa.
1934. *Dicranocentrus dogieli* Womersley (2177) p. 472; East Africa.

Heteromuricus longicornis Carpenter, 1916

COTYPES: Brit. Mus. Nat. Hist., London.
1916. *Heteromuricus longicornis* Carpenter (390) p. 36, Pl. XV, figs. 20–24, Pl. XVIII, figs. 74–77; Seychelles.
1929. *Dicranocentrus longicornis* Handschin (1007) p. 27; Seychelles.
1933. *Dicranocentrus longicornis* Denis (645) p. 260; Seychelles.
1934. *Dicranocentrus longicornis* Womersley (2177) p. 472; Sudan.

Heteromuricus stachi Denis, 1925

1925. *Heteromuricus* (*Heteromuricus*) *stachi* Denis (621) p. 265, figs. 101–105; Ethiopia.
1929. *Dicranocentrus stachi* Handschin (1007) p. 23; Abyssinia.
1934. *Dicranocentrus stachi* Womersley (2177) p. 472; Abyssinia.
1954. *Heteromuricus stachi* Salmon (1702) p. 123, figs. 1–7; Uganda.

Genus: DICRANOCENTRUS Schött, 1893 (1764) p. 21.
= *Dicranocentrella* Wray, 1953 (2210) p. 140. (239) p. 180.
Type species fixed: *D. gracilis* Schött, by Börner, 1903

Dicranocentrus aethiopicus Handschin, 1929

HOLOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1929. *Dicranocentrus aethiopicus* Handschin (1007) p. 25, figs. 24–25; Abyssinia.
1934. *Dicranocentrus aethiopicus* Womersley (2177) p. 472; Italian Libya.

Dicranocentrus assimilis Schött, 1926

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1926. *Dicranocentrus assimilis* Schött (1779) p. 24, Pl. II, figs. 5–8; Cameroons.
1934. *Dicranocentrus assimilis* Womersley (2177) p. 472; Cameroons.

Dicranocentrus bicolor Handschin, 1924

1924. *Dicranocentrus bicolor* Handschin (982) p. 23, fig. 7; Sth. America.

Dicranocentrus eburneus Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Dicranocentrus eburneus* Delamare Deboutteville (570) p. 79; Ivory Coast.

Dicranocentrus fasciatus Yosii, 1961

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1961. *Dicranocentrus fasciatus* Yosii (2569) p. 178, fig. 5; Thailand.

Dicranocentrus gracilis Schött, 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Dicranocentrus gracilis* Schött (1764) p. 23; Cameroons.
1903. *Dicranocentrus gracilis* Absolon (22) p. 106; Africa; Morphology.
1926. *Dicranocentrus gracilis* Schött (1779) p. 22, Pl. II, figs. 1–4; Cameroons; Diagnosis.
1934. *Dicranocentrus gracilis* Womersley (2177) p. 472; Cameroons.

Dicranocentrus indicus Bonet, 1930

1930. *Dicranocentrus indicus* Bonet (203) p. 255, fig. 3; India.

Dicranocentrus inermis Schött, 1926

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1926. *Dicranocentrus inermis* Schött (1779) p. 24, Pl. II, fig. 9; Cameroons.
1934. *Dicranocentrus inermis* Womersley (2177) p. 472; Cameroons.

Dicranocentrus jeanneli Delamare Deboutteville, 1945

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Dicranocentrus jeanneli* Delamare Deboutteville (539) p. 31, fig. 1 A-E; Africa.

Dicranocentrus linnaniemii Börner, 1912

1912. *Dicranocentrus linnaniemii* Börner (248) p. 284; Central Africa.

Dicranocentrus marias (Wray) 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1953. *Dicranocentrella marias* Wray (2210) p. 142, fig. 1 Q-V; Puerto Rico.

Dicranocentrus meruensis Wahlgren, 1908

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1908. *Dicranocentrus meruensis* Wahlgren (2086) p. 3, Pl. 1, fig. 5; Kilimandjaro.
1926. *Dicranocentrus meruensis* Philiptschenko (1592) p. 190; Brit. E. Africa.

1929. *Dicranocentrus meruensis* Handschin (1007) p. 27; Kilimandjaro, East Africa.
1934. *Dicranocentrus meruensis* Womersley (2177) p. 472; Kenya; Seychelles.

Dicranocentrus problematicus Denis, 1948

1948. *Dicranocentrus problematicus* Denis (676) p. 223; Indo-China.

Dicranocentrus silvestrii Absolon, 1903

COTYPES: Lab. Zool., Fac. Sci., Dijon, France.
1903. *Dicranocentrus silvestrii* Absolon (22) p. 105, Pl. II, fig. 16; Sth. America.
1931. *Dicranocentrus silvestrii* Denis (638) p. 147, figs. 160–166; Costa Rica.
1931. *Dicranocentrus silvestrii* Denis (638) p. 163; Costa Rica.
1933. *Dicranocentrus silvestrii* Bonet (209) p. 182, fig. XVIII; Argentina; Ad. descr.
1933. *Dicranocentrus silvestrii* Denis (645) p. 255, figs. 39–45; Ad. descr., Synonymy; Costa Rica.
1933. *Tomocerus plumbeus* Parona, Denis (645) p. 266; Syn.
1933. *Dicranocentrus bicolor* Handschin, Denis (645) p. 266; Syn.

Dicranocentrus silvestrii annulatus Börner, 1906

TYPE: Brit. Mus. Nat. Hist., London.
1906. *Dicranocentrus silvestrii annulata* Börner (243) p. 176; Brazil.

Dicranocentrus simplex Yosii, 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Dicranocentrus simplex* Yosii (2355) p. 41, fig. 24; Singapore.

Dicranocentrus sundanensis Schött, 1925

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1925. *Dicranocentrus sundanensis* Schött (1777) p. 119, figs. 23, 24; North Sarawak.
1928. *Dicranocentrus sundanensis* Handschin (1001) p. 267; Borneo.
1948. *Dicranocentrus sundanensis* Denis (676) p. 222, fig. 12; Indo-China; Justification.
1959. *Dicranocentrus sundanensis* Yosii (2355) p. 39; Malaya.

Dicranocentrus termitophilus Handschin, 1924

1924. *Dicranocentrus termitophilus* Handschin (982) p. 25, fig. 8; South America.

Dicranocentrus thaicus Yosii, 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Dicranocentrus thaicus* Yosii (2569) p. 179, fig. 6; Thailand.

Genus: ALLOSCOPUS Börner, 1906 (243) p. 177.
Type species now designated: *A. tenuicornis* Börner, 1906, by selection.

Alloscopus tenuicornis Börner, 1906

1906. *Heteromurus* (*Alloscopus*) *tenuicornis* Börner (243) p. 177; Java.
1925. *Heteromurus* (*Alloscopus*) *tenuicornis* Handschin (985) p. 244, figs. 36–40; Java.
1926. *Heteromurus* (*Alloscopus*) *tenuicornis* Handschin (993) p. 460; Java.
1928. *Alloscopus tenuicornis* Handschin (1001) p. 267; Sumatra; Java.
1930. *Alloscopus tenuicornis* Handschin (1009) p. 422; Philippines.

Alloscopus tetracanthus Börner, 1906

1906. *Heteromurus* (*Alloscopus*) *tetracantha* Börner (243) p. 177; Java.
1925. *Heteromurus* (*Alloscopus*) *tetracantha* Handschin (985) p. 266; Java.
1928. *Alloscopus teracathus* Handschin (1001) p. 267; Java.
1959. *Alloscopus tetracantha* Yosii (2355) p. 38, fig. 22 A-F; Malaya.
1960. *Alloscopus tetracantha* Yosii (2408) p. 27; New Britain.

Genus: HETEROMURODES Absolon, 1901 (10) p. 12.
Type species now designated: *H. quadriocellatus* (Schött) 1893, by monotypy.

Heteromurodes quadriocellatus (Schött) 1893

1893. *H. 4-ocellatus* Schött, 1893; cf. Absolon (10) p. 12.
1901. *Heteromurodes 4-ocellatus* Absolon (10) p. 12; Czechoslovakia.

Genus: VERHOEFFIELLA Absolon, 1900 (7) p. 429.
Type species now designated: *V. cavicola* Absolon, by monotypy.

Verhoeffiella absoloni Kseneman, 1938

1938. *Verhoeffiela absoloni* Kseneman (1218) p. 69; Yugoslavia.
1960. *Heteromurus absoloni* Gisin (2271) p. 237; Yugoslavia.

Verhoeffiella cavicola Absolon, 1900

1900. *Verhoeffiella cavicola* Absolon (7) p. 480; Austria.
1903. *Typhopodura cavicola* Börner (239) p. 179; *lapsus calami.*
1929. *Heteromurus* (*Verhoeffiella*) *cavicola* Handschin (1008) p. 93; Herzegovina, in caves.
1931. *Heteromurus* (*Verhoeffiella*) *cavicola* Bonet (205) p. 387; Herzegovina, in caves.
1944. *Verhoefiella cavicola* Jeannel (1129) p. 143; Cave Collembola.
1960. *Heteromurus cavicola* Gisin (2271) p. 238; Yugoslavia.

Verhoeffiella hispanica Bonet, 1931

1931. *Heteromurus* (*Verhoeffiella*) *hispanica* Bonet (205) pp. 354, 387, figs. XXVI, XXVII; Spain.
1960. *Heteromurus hispanicus* Gisin (2271) p. 238; Spain.

Genus: PTENURA Templeton, 1842 (1958) p. 306.
= *Heteromurus* Wankel, 1860 (2100) p. 203.
= *Templetonia* Lubbock, 1862 (1315) p. 595.
= *Euheteromurus* Börner, 1901 (234) p. 76.
= *Propemesira* Salmon, 1942 (1679) p. 59, (1684) p. 71.
Type species fixed: *P. nitida* (Templeton), by Börner (239) p. 180.

Ptenura abrupta Salmon, 1951

TYPE: Auth. Colln., Vict. Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.
1951. *Ptenura abrupta* Salmon (1694) p. 137, figs. 28–32; Malaya.

Ptenura alba (Joseph) 1881

1881. *Heteromurus albus* Joseph (1149) p. 263; South Austria, caves.

Ptenura americana (Harvey) 1892

1892. *Templetonia americana* Harvey (1026) p. 57, figs. 1–3; America.

Ptenura bidentata (Denis) 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Heteromurus bidentatus* Denis (638) p. 147, figs. 158–159; Costa Rica.
1933. *Heteromurus bidentatus* Denis (645) p. 255; Costa Rica.

Ptenura caerulescens (Börner) 1903
TYPE: Deutsch. Entom. Inst., Berlin.
LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1903. *Heteromurus caerulescens* Börner (239) p. 156, fig. 13; Sicily.
1925. *Heteromurus caerulescens* Denis (617) p. 212; Italy.

Ptenura cavernicola (Carpenter) 1895
1895. *Sinella cavernicola* Carpenter (364) p. 30, Pl. 2, figs. 11–16; Ireland.
1897. *Templetonia cavernicola* Carpenter (365) p. 229, Pl. 2, figs. 2–5; Ireland.
1910. *Heteromurus cavernicolus* Bagnall (102) p. 505; Britain.
1915. *Heteromurus cavernicolus* Ionesco (1105) p. 222; Roumania.
1916. *Heteromurus cavernicolus* Ionesco (1106) p. 468, fig. 11; Roumania.
1920. *Heteromurus cavernicolus* Ionesco (1107) p. 5, fig. 2; Roumania.

Ptenura diommata (Denis)
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Heteromurus diommatus* Denis (638) p. 143, figs. 147–151; Costa Rica.

Ptenura dubius (Delamare Deboutteville) 1950
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Heteromurus dubius* Delamare Deboutteville (570) pp. 54, 67; Ivory Coast.
1951. *Heteromurus dubius* Delamare Deboutteville (577) p. 271; West Africa.
1952. *Heteromurus dubius* Delamare Deboutteville (2267) p. 68; Ivory Coast.

Ptenura gradgensis (Denis) 1933
1933. *Heteromurus gradgensis* Denis (644) p. 212; Yugoslavia.
1935. *Heteromurus gradgensis* Denis (652) p. 331; Yugoslavia.
1935. *Heteromurus gradgensis* Denis (654) p. 93; Italy.
1936. *Heteromurus gradgensis* Denis (660) p. 263; Yugoslavia; add. descr.
1938. *Heteromurus gradgensis* Denis (665) p. 145; Discussion.

Ptenura hexophthalmus (Denis) 1948
1948. *Heteromurus hexophthalmus* Denis (678) p. 48, fig. 2 a-b; France.
1952. *Heteromurus hexophthalmus* Delamare Deboutteville (581) p. 77; Mediterranean region.
1955. *Heteromurus hexophthalmus* Cassagnau and Delamare Deboutteville (428) p. 383; Lebanon; Mediterranean region.
1960. *Heteromurus hexophthalmus* Gisin (2271) p. 238; France; Lebanon.

Ptenura hirsuta (Absolon) 1899
1899. *Heteromurus hirsutus* Absolon (2) p. 495; Mahrischen caves.
1900. *Heteromurus hirsutus* Absolon (3) p. 62; Czechoslovakia.
1901. *Heteromurus hirsutus* Absolon (10) p. 8, figs. 1–12; Czechoslovakia.
1901. *Heteromurus hirsutus* Absolon (11) p. 38; Czechoslovakia.
1901. *Heteromurus hirsutus* Absolon (12) p. 109; Systematics.
1929. *Heteromurus hirsutus* Handschin (1008) p. 93; European Alps.
1931. *Heteromurus hirsutus* Bonet (205) p. 387; Czechoslovakia, in caves.
1937. *Heteromurus hirsutus* Frenzel (828) p. 317; Ecology.
1955. *Heteromurus hirsutus* Cassagnau and Delamare Debouteville (428) p. 383; Lebanon.

Ptenura japonica (Folsom) 1898
1898. *Seira japonica* Folsom (774) p. 55, figs. 15–18; Japan.
1932. *Ptenura japonica* Kinoshita (1178) p. 2123 and fig.; Japan.

Ptenura livida Salmon, 1954
TYPE: British Mus. Nat. Hist., London.
1954. *Ptenura livida* Salmon (1702) p. 125, figs. 8–10; Uganda.

Ptenura major (Moniez) 1889
1889. *Templetonia major* Moniez (1440) p. 261; France.
1889. *Templetonia major* Moniez (1441) p. 26; Azores; Sweden; England; Switzerland; France.
1891. *Templetonia major* Moniez (1447) p. 68; France.
1895. *Templetonia major* Dalla Torre (498) p. 13; Africa; Azores.
1901. *Templetonia major* Absolon (10) p. 12; Europe.
1901. *Heteromurus major* Börner (234) p. 78, Pl. II, fig. 9; Systematics.
1901. *Heteromurus major* Krausbauer (1204) p. 77, fig. 75; Germany.
1903. *Heteromurus caerulescens* Börner (239) p. 156, fig. 13; Sicily.
1921. *Heteromurus major* Denis (607) p. 131; France.
1921. *Heteromurus major* Stach (1859) p. 195; Finland.
1922. *Heteromurus major* Denis (609) p. 112; Ile de Yeu, France.
1923. *Heteromurus major* Denis (613) p. 56; France.
1924. *Heteromurus major* Denis (614) p. 276, figs. 23–28; France.
1924. *Heteromurus melitensis* Stach (1864) p. 115, Pl. I, fig. 13; Sicily; Malta.
1927. *Heteromurus major* Denis (629) p. 197; Italy; Morphology.
1928. *Heteromurus major* Handschin (1005) p. 7; Algeria.
1929. *Heteromurus major* Handschin (1008) p. 93; Synonymy; Germany; France; Azores.
1930. *Heteromurus major* Stach (1869) p. 294; Europe.
1931. *Heteromurus major* Denis (639) p. 228; Germany.
1934. *Heteromurus major* Womersley (2177) p. 472; Europe; Sierra Leone; Morocco.
1937. *Heteromurus major* Drenowski (695) p. 3; Bulgaria.
1938. *Heteromurus major* Drenowski (696) p. 113; Bulgaria.
1938. *Heteromurus major* Kseneman (1220) p. 17; Czechoslovakia.
1942. *Heteromurus major* Handschin (1012) p. 425, fig. 6; Mesopotamia; Palestine; Malta; Greece; North Africa.
1951. *Heteromurus major* Cassagnau and Delamare Deboutteville (593) p. 2; Mid France.
1954. *Heteromurus major* Travé (2000) p. 211; France.
1955. *Heteromurus major* Gisin (890) p. 146; Switzerland.
1959. *Heteromurus major* Da Gama (2266) p. 25; Portugal.
1959. *Heteromurus major* Steiner (2343) p. 467; Spain.
1960. *Heteromurus major* Gisin (2271) p. 238; Palestine; Austria; Switzerland; Hungary.

Ptenura melitensis (Stach) 1924
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1924. *Heteromurus melitensis* Stach (1864) p. 115, Pl. I, fig. 13; Sicily; Malta.

Ptenura mexicana (Handschin) 1928
1928. *Heteromurus mexicanus* Handschin (1002) p. 545, figs. 27–29; Mexico.

Ptenura mirifica Salmon, 1954

TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Colln., Vict. Univ., Wellington, N.Z.
1954. *Ptenura mirifica* Salmon (1702) p. 125, figs. 11–17; Uganda.

Ptenura nitida (Templeton) 1835

1776. *Podura crystallina* Müller (1470) p. 183; Denmark.
1793. *Podura crystallina* Gmelin (910) p. 2910; Europe.
1835. *Podura nitida* Templeton (1957) p. 94, Pl. XI, fig: 5; Ireland.
1838. *Podura nitida* Burmeister (339) p. 449; Europe.
1839. *Heterotoma crystallina* Bourlet (259) p. 396; Europe.
1840. *Podura nitida* Lucas (1326) p. 566; Cranmore, Ireland.
1842. *Aetheocerus crystallinus* Bourlet (265) p. 32; Europe.
1842. *Degeeria margaritacea* Nicolet (1493) p. 75, Pl. 8, fig. 9; Europe.
1842. *Podura nitida* Templeton (1958) p. 306; Systematics.
1844. *Degeeria margaritacea* Gervais (841) p. 377.
1844. *Heterotoma crystallina* Gervais (841), p. 377.
1844. *Podura nitida* Lucas (1327) p. 290; Reference.
1847. *Degeeria margaritacea* Nicolet (1496) p. 369; Switzerland.
1847. *Isotoma nitida* Nicolet (1496) p. 375; Ireland.
1847. *Orchesella crystallina* Nicolet (1496) p. 366; Europe.
1860. *Heteromurus margaritarius* Wankel (2100) p. 203; Czechoslovakia.
1861. *Heteromurus margaritacius* Wankel (2101) p. 255, Pl. 1, figs. 4–11; Austria.
1862. *Templetonia nitida* Lubbock (1315) p. 596; England.
1870. *Templetonia nitida* Lubbock (1317) p. 280; Switzerland.
1870. *Templetonia nitida* MacIntire (1350) p. 3; Scales, Morphology.
1871. *Templetonia nitida* Tullberg (2002) p. 148; Sweden.
1872. *Templetonia nitida* Tullberg (2003) p. 44, Pl. VIII, figs. 15–26; Sweden.
1873. *Templetonia crystallina* Lubbock (1318) p. 143, Pl. XX; Sweden; Switzerland; France; England; Ireland.
1873. *Beckia nitida* McIntire (1353) p. 5; Britain; Scale morphology.
1873. *Lepidocyrtus marmoratus* Packard (1521) p. 36; Massachusetts.
1876. *Templetonia nitida* Reuter (1628) p. 82; Finland.
1878. *Templetonia crystallina* Parona (1557) p. 584; Italy.
1880. *Templetonia nitida* Fries (833) p. 115; Falkensteiner caves.
1882. *Heteromurus margaritacius* Joseph (1150) p. 29; Planina cave, Germany.
1883. *Templetonia crystallina* Parona (1558) p. 456; Italy.
1887. *Templetonia crystallina* Oudemans (1510) p. 98; Holland.
1888. *Templetonia crystallina* Parona (1563) p. 138; Italy.
1890. *Templetonia nitida* Uzel (2050) p. 49; Bohemia.
1891. *Templetonia crystallina* Parfitt (1550) p. 333; England.
1891. *Templetonia nitida* Reuter (1640) p. 249; Finland.
1892. *Templetonia americana* Harvey (1026) p. 57, figs. 1–3; America.
1893. *Templetonia nitida* Schött (1765) p. 56; Sweden.
1895. *Templetonia nitida* Reuter (1643) p. 25; Finland.
1896. *Templetonia nitida* Lie-Pettersen (1281) p. 17; Norway.
1897. *Templetonia cavernicola* Carpenter (365) p. 229, figs. 2–5; Ireland.
1897. *Templetonia nitida* Poppe and Schaeffer (1607) p. 270; Germany.
1897. *Templetonia nitida* Schäffer (933) p. 199; Germany.
1898. *Templetonia nitidus* Lie-Pettersen (1282) p. 12; Norway.
1898. *Templetonia nitida* Scherbakow (1750) p. 59; Kiew, Russia.
1899. *Templetonia nitida* Carl (351) p. 3; France.
1899. *Templetonia nitida* Carl (352) p. 336; Switzerland.
1899. *Templetonia nitida* Carpenter & Evans (404) p. 246; Scotland.
1900. *Heteromurus margaritarius* Absolon (3) p. 61; Czechoslovakia.
1900. *Templetonia nitida* Lécaillon (1258) p. 73; France.
1900. *Templetonia nitida* Schäffer (1739) p. 271; Germany.
1900. *Templetonia crystallina* Vellay (2056) p. 21; Hungary.
1900. *Templetonia nitida* Vellay (2056) p. 21; Hungary.
1901. *Heteromurus nitidus* Absolon (10) p. 12; Czechoslovakia.
1901. *Heteromurus margaritius* Absolon (11) p. 38; Czechoslovakia.
1901. *Heteromurus margaritarius* Absolon (12) p. 109; Systematics.
1901. *Heteromurus margaritarius* Absolon (18) p. 379; Moravia; France.
1901. *Heteromurus nitidus* Börner (229) p. 708; Europe.
1901. *Heteromurus nitidus* Börner (234) p. 76, Pl. II, figs. 7, 8, text-fig. 33; Europe.
1901. *Templetonia nitida* Boyd (268) p. 317; Scotland.
1901. *Templetonia nitida* Evans (739) p. 156; Scotland.
1901. *Templetonia nitida* Evans (740) p. 153; Scotland.
1901. *Templetonia nitida* Krausbauer (1204) p. 77; Germany.
1901. *Heteromurus margaritarius* Viré (2062) p. 112; France, caves.
1901. *Heteromurus nitidus* Viré (2062) p. 112; France, caves.
1902. *Heteromurus margaritatus* Carpenter (371) –. 657; Ireland, in caves.
1902. *Heteromurus nitidus* Voights (2067) p. 524; Germany.
1902. *Heteromurus margaritarius* Willem (2133) p. 281; Belgian caves.
1903. *Heteromurus nitida* Ågren (55) p. 161; Sweden.
1906. *Heteromurus nitidus* Axelson (82) p. 19; Russia.
1906. *Heteromurus nitidus* Lie-Pettersen (1284) p. 72; Norway.
1906. *Templetonia nitida* Lindsay (1288) p. 275; Edinburgh.
1906. *Heteromurus nitidus* Wahlgren (2080) p. 264; Sweden.
1907. *Heteromurus nitidus* Axelson (83) p. 132; Finland.
1910. *Heteromurus nitidus* Bagnall (102) p. 505; Britain.
1910. *Heteromurus nitidus* Collinge & Shoebotham (472) p. 119; England.
1910. *Templetonia* (*Heteromurus*) *nitida* Theobald (1964) p. 193; Gen. Economics.
1911. *Heteromurus nitidus* Axelson (1291) p. 24; Norway.
1912. *Heteromurus nitidus* Axelson (1292) p. 232; Finland.

1914. *Heteromurus nitidus* Shoebotham (1820) p. 63; Ireland.
1915. *Heteromurus nitidus* Ionesco (1105) p. 222; Roumania.
1916. *Heteromurus nitidus* Bartholin (149) p. 197,
1916. *Heteromurus cavernicolus* Ionesco (1106) p. 468; Roumania.
1918. *Heteromurus nitidus* Brown (296) p. 186; England.
1918. *Heteromurus nitidus margaritarius* Stach (1858) p. 208; Poland, in caves.
1919. *Heteromurus nitidus* Brown (297) p. 65; England.
1919. *Heteromurus nitidus* Wahlgren (2089) p. 75; Sweden.
1920. *Heteromurus nitidus* Ionesco (1107) p. 5; Roumania.
1920. *Heteromurus nitidus* Stach (1859) p. 195; Poland; Europe; Finland.
1921. *Heteromurus nitidus* Denis (607) p. 131; France.
1922. *Heteromurus nitidus* Denis (609) p. 112; France.
1922. *Heteromurus nitidus* Latzel (1250) p. 69; Ostalpen and Karstes.
1922. *Heteromurus nitidus* Morris (1456) p. 288; Ecology.
1922. *Heteromurus nitidus* Stach (1860) p. 50; Hungary.
1923. *Heteromurus nitidus* Brown (302) p. 262; England.
1923. *Heteromurus nitidus* Denis (613) p. 57; Specific variations.
1923. *Heteromurus nitidus* Womersley (2147) p. 35; S.W. England.
1924. *Heteromurus nitidus* Denis (614) p. 280, figs. 29–34.
1924. *Heteromurus nitidus* Handschin (981) p. 147; Switzerland.
1925. *Heteromurus nitidus* Denis (617) p. 212; Italy.
1925. *Heteromurus nitidus* Handschin (987) p. 170; Morocco.
1926. *Heteromurus nitidus* Handschin (988) p. 8, fig. 2; Biology.
1926. *Heteromurus nitidus* Handschin (990) p. 125; Algeria.
1927. *Heteromurus nitidus* Morris (1457) p. 449; Ecology.
1927. *Heteromurus nitidus* Womersley (2154) p. 378; S.W. England.
1927. *Heteromurus nitida* Womersley (2155) p. 40; Savernake Forest, England.
1928. *Heteromurus nitidus* Handschin (1004) p. 26; Bulgaria.
1929. *Heteromurus nitida* Bonet (199) p. 31; Spain.
1929. *Heteromurus nitidus* Handschin (1008) p. 93; Europe.
1929. *Heteromurus margaritarius* Stach (1869) p. 295; Europe.
1929. *Heteromurus nitidus* Stach (1869) p. 294; Europe; Add. descr.
1929. *Heteromurus nitidus margaritarius* Stach (1869) p. 295; Hungary.
1929. *Heteromurus nitidus paucidentatus* Stach (1869) p. 295; Hungary.
1930. *Heteromurus nitidis* Buitendijk (334) p. 68; Holland.
1930. *Templetonia nitida* Kel'shtein (1161) p. 77; Russia.
1930. *Templetonia nitida* Mills (1414) p. 392.
1930. *Heteromurus nitidus* Womersley (2168) p. 189; Ireland.
1931. *Heteromurus nitidus* Bonet (205) p. 387; Europe, in caves.
1931. *Heteromurus nitidus* Denis (637) p. 12; Italian caves.
1931. *Heteromurus nitidus* Denis (639) p. 228; Germany.
1932. *Heteromurus nitidus* Lengersdorf (1273) p. 53; Switzerland, caves.
1932. *Heteromurus nitidus* Maynard (1391) p. 219; New York.
1932. *Heteromurus nitidus* Stammer (1897) p. 544; Ecology.
1933. *Heteromurus nitidus* Denis (644) p. 211; Yugoslavia.
1933. *Heteromurus nitidus* Folsom (802) p. 937; Agric. pest.
1933. *Heteromurus nitidus* Griepenburg (940) p. 29; Germany.
1933. *Heteromurus nitidus* James (1124) p. 102; Canada.
1933. *Heteromurus nitodus* Schubert (1787) p. 181; Ecology.
1933. *Heteromurus nitidus* Turk (2007) p. 94; Britain.
1934. *Heteromurus nitidus* Durkop (707) p. 508; Germany.
1934. *Heteromurus nitidus* Mills (1417) p. 77, fig. 128; Iowa.
1934. *Templetonia crystallinus* Perrier (1576) p. 38; France.
1934. *Heteromurus nitida* Womersley (2177) p. 472; Europe; Sierra Leone.
1935. *Heteromurus nitidus* Denis (652) pp. 331, 343; Yugoslavia.
1935. *Heteromurus nitidus* Denis (654) p. 93; Italy; Synonymy.
1935. *Heteromurus nitidus* Ford (809) p. 198; Ecology, Britain.
1935. *Heteromurus nitidus* Griepenburg (942) p. 22; Germany.
1935. *Heteromurus nitidus* Pax and Maschke (1573) p. 12–; Europe.
1935. *Heteromurus nitidus* Schubert (1791) pp. 211–, 376–; Germany.
1937. *Heteromurus nitidus* Denis (663) p. 55; Italy, caves.
1937. *Heteromurus nitidus* Drenowski (695) p. 3; Bulgaria.
1937. *Heteromurus margaritarius* Frenzel (828) p. 317; Ecology.
1937. *Heteromurus nitidus* Frenzel (828) p. 317; Ecology.
1937. *Heteromurus nitidus* Schubert (1792) p. 128; Europe.
1938. *Heteromurus nitidus* Brown (317) p. 317; England.
1938. *Heteromurus nitidus* Denis (665) p. 139; Italy.
1938. *Heteromurus nitidus* Drenowski (696) p. 113; Bulgaria.
1938. *Heteromurus nitidus* Kseneman (1220) p. 17; Europe.
1938. *Heteromurus nitidus* Lengersdorf (1276) p. 146; Germany.
1939. *Heteromurus* (*Heteromurus*) *nitidus* Strouhal (1931) p. 263; Ecology.
1939. *Heteromurus nitidus* Thomas (1969) p. 19; Ecology.
1940. *Heteromurus nitidus* Strouhal (1932) p. 410–; Ecology.
1940. *Heteromurus nitidus* Szent-Ivany (1945) p. 120; Hungary.
1941. *Heteromurus nitidus* Buitendijk (336) p. 65; Netherlands; Europe.

1941. *Heteromurus nitidus* Griepenburg (945) p. 57; Germany.
1941. *Heteromurus nitidus* Szent-Ivany (1947) p. 23; Hungary.
1942. *Heteromurus nitidus* Marlier (1375) p. 10; Belgium.
1942. *Heteromurus nitidus* Miles (1408) p. 247; Oxford, England.
1942. *Heteromurus nitidus* Muhlmann (1467) p. 201; Europe.
1942. *Propemesira duo-oculata* Salmon (1679) p. 59, Pl. 19, figs. 16–20; New Zealand.
1943. *Heteromurus nitidus* Agrell (47) p. 126; Sweden.
1943. *Heteromurus nitidus* Gisin (853) p. 175; Switzerland.
1943. *Heteromurus nitidus margaritaria* Gisin (853) p. 175; Switzerland.
1943. *Heteromurus nitidus* Tarsia in Curia (1956) p. 59, figs. 11, 12; Italy, caves.
1944. *Heteromurus nitidus* Delamare Deboutteville (535) p. 29; Portugal.
1945. *Heteromurus nitidus* Agrell (50) p. 10; Sweden, habitats.
1945. *Heteromurus nitidus* Delamare Deboutteville (537) p. 70; France.
1945. *Heteromurus nitidus* Delamare Deboutteville (600) p. 16; Cave in Pyrenees.
1945. *Propemesira duo-oculata* Salmon (1684) p. 71; Synonymy.
1946. *Heteromurus nitidus* Delamare Deboutteville (542) p. 103; Portugal.
1947. *Heteromurus nitidus* Gisin (866) p. 80; Switzerland.
1948. *Heteromurus nitidus* Gisin (867) p. 51; Switzerland.
1948. *Heteromurus nitidus* Leleup (1270) p. 10; Belgium.
1949. *Heteromurus nitidus* Strenzke (1922) p. 208; Germany, ecology.
1950. *Heteromurus nitidus* Delamare Deboutteville (569) p. 123; France.
1950. *Heteromurus nitidus* Delamare Deboutteville (570) pp. 238, 281; France.
1950. *Heteromurus nitidus* Gisin (876) p. 95; Italy, caves.
1951. *Heteromurus nitidus* Delamare Deboutteville (575) p. 59; Caves in Oriental Pyrenees.
1951. *Heteromurus nitidus* Delamare Deboutteville **(576) p. 44; Caves in Italy.**
1951. *Heteromurus nitidus* Delamare Deboutteville and Gisin (596) p. 86; Italian caves.
1951. *Heteromurus nitidus* Delamare Deboutteville and Gisin (597) p. 136; Italian caves.
1951. *Heteromurus nitidus* Delamare Deboutteville (598) p. 4; Caves in Italy.
1951. *Heteromurus nitidus* Gisin (877) p. 85; Switzerland.
1951. *Heteromurus nitidus* Gisin (881) p. 56; Moroccan caves.
1951. *Heteromurus nitidus* Maynard (1393) p. 184, Pl. XIX, 324–327, XX, 333; New York.
1952. *Heteromurus nitidus* Baudissin (152) p. 56–; Ecology.
1952. *Heteromurus nitidus* Delamare Deboutteville (581) p. 77; Mediterranean region.
1952. *Heteromurus nitidus* Massera (1382) p. 31; Italy, caves.
1953. *Heteromurus nitidus* Hazelton and Glennie (1037) p. 273; Britain.
1954. *Ptenura nitida* Bellinger (174) p. 23; Connecticut.
1954. *Heteromurus nitidus* Delamare Deboutteville (2366) p. 453–, fig. 1; Micro-photography.
1955. *Heteromurus nitidus* Chopard (434) p. 24; France.
1955. *Heteromurus nitidus* Goto (921) p. 268; Britain.
1955. *Heteromurus nitidus* Moscardini (1460) p. 92; Italy.
1955. *Heteromurus nitidus* Stach (1893) p. 152, figs. 460–461; Poland.
1955. *Heteromurus nitidus* Strenzke (1926) p. 49; Cosmopolite.
1955. **Troglosinella clayi* Salmon (1706) p. 25, figs. 5–8; Britain; syn. nov.
TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Colln., Wellington, N.Z.
1956. *Heteromurus nitidus* Bockemuhl (193) p. 146; Spitzbergen.
1956. *Heteromurus nitidus* Gisin (895) p. 12; Geneva.
1956. *Heteromurus nitidus* Gisin (896) p. 8; Geneva.
1956. *Heteromurus nitidus* Grindbergs (2274) p. 136; Latvia.
1956. *Heteromurus nitidus* Paclt (1541) pp. 88, 125; Biology.
1957. *Heteromurus nitidus* Paclt (1543) p. 5; Europe.
1957. *Heteromurus nitidus* Paclt (1544) p. 272; Czechoslovakia.
1957. *Heteromurus nitidus margaritaceus* Paclt (1544) p. 273; Czechoslovakia.
1957. *Heteromurus nitidus* Strebel (1920) p. 470.
1958. *Heteromurus nitidus* Grindbergs (2275) p. 11; Latvia.
1958. *Heteromurus nitidus* Grindbergs (2276) p. 76; Latvia.
1958. *Heteromurus nitidus* Grindbergs (2277) p. 201; Latvia.
1958. *Heteromurus nitidus* Holler-Land (2283) p. 110; Ecology.
1958. *Heteromurus nitidus* Miles (1412) p. 638; Wales.
1958. *Heteromurus nitida* Mrohs (1463) p. 331; Ecology.
1958. *Heteromurus nitidus* von Torne (1993) p. 669; Austria.
1959. *Heteromurus nitidus* Holler-Land (2284) p. 427; Ecology, Germany.
1959. *Heteromurus nitidus* Lawrence (2294) p. 117–; England.
1959. *Heteromurus nitidus* Loksa (2297) p. 70; Hungary.
1959. *Heteromurus nitidus* Stach (1896) p. 40; Poland.
1960. *Heteromurus gradjensis* Gisin (2271) p. 239.
1960. *Heteromurus nitidus* Gisin (2271) p. 239, figs. 53, 437; Europe; synonymy.
1960. *Heteromurus nitidus armapollerae* Gisin (2271) p. 239.
1960. *Pseudosinella kemneri* Gisin (2271) p. 239.
1960. *Troglosinella clayae* Gisin (2271) p. 239.
1960. *Heteromurus* (*Heteromurus*) *nitidus* Grindbergs (2373) p. 51; U.S.S.R.
1960. *Heteromurus* (*Heteromurus*) *nitidus margaritarius* Grindbergs (2373) p. 51; U.S.S.R.
1960. *Heteromurus nitidus* Paclt (2391) p. 157; Hungary.

Ptenura nitida albicans (Durkop) 1934

1934. *Heteromurus nitidus albicans* Durkop (707) p. 508; Kiel.

Ptenura nitida armapollerae (Massera) 1952

1952. *Heteromurus nitidus armapollerae* Massera (1382) p. 31, with figs.; Italy, caves.

* Re-examination of the type material indicates that the synonymy indicated here is correct.

Ptenura nitida brevicornis (Bonet) 1933

1933. *Heteromurus nitidus brevicornis* Bonet (209) p. 180, fig. XVII; Argentina.

Ptenura nitida paucidentata (Stach) 1929

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1929. *Heteromurus nitidus paucidentatus* Stach (1869) p. 295; Hungary.
1941. *Heteromurus nitidus paucidentatus* Szent-Ivany (1947) p. 23; Hungary.
1943. *Heteromurus nitidus paucidentatus* Gisin (853) p. 175; Switzerland.

Ptenura nitida quadriocellata ((Linnaniemi, 1912) Kseneman) 1935

TYPE: Univ. Zool. Mus., Div. Ent., Helsinki.
1912. *Heteromurus nitidus* Linnaniemi (1292) p. 232; Finland.
1935. *Heteromurus nitidus quadriocellata* Kseneman (1213) p. 14; Czechoslovakia.
1938. *Heteromurus nitidus quadriocellata* Kseneman (1220) p. 17; Czechoslovakia.
1943. *Heteromurus nitidus quadriocellata* Gisin (853) p. 175; Switzerland.
1960. *Heteromurus nitidus quadriocellata* Gisin (2271) p. 239; = *nitida.*

Ptenura pauliani (Delamare Debouteville) 1950

TYPE: Auth. Pers. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Heteromurus pauliani* Delamare Deboutteville (570) p. 82; Ivory Coast.

Ptenura peyerimhoffi (Denis) 1937

1937. *Heteromurus peyerimhoffi* Denis (664) p. 87; Nth. Africa.
1960. *Heteromurus peyerimhoffi* Gisin (2271) p. 239; Algeria.

Ptenura quadrioculata (Schött) 1896

1896. *Templetonia quadrioculata* Schött (1769) p. 183, Pl. II, figs. 33, 34; North America.

Ptenura schoetti (Denis) 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Heteromurus schötti* Denis (638) p. 145, figs. 152–156, 157; Costa Rica.
1933. *Heteromurus schötti* Denis (645) p. 254; Costa Rica.

Ptenura sexoculata (Brown) 1926

1926. *Heteromurus sexoculatus* Brown (305) p. 213, figs. 25–27; Mesopotamia.
1942. *Heteromurus sexoculatus* Handschin (1012) p. 428, fig. 7; Mesopotamia; Palestine.
1960. *Heteromurus sexoculatus* Gisin (2271) p. 238; Mesopotamia; Palestine.

Ptenura tetrophthalma (Börner) 1903

TYPE: Deutsch. Entom. Inst., Berlin.
PARATYPE: Brit. Mus. Nat. Hist., London.
1903. *Heteromurus tetrophthalmus* Börner (239) p. 156; Italy.
1922. *Heteromurus tetrophthalmus* Stach (1861) p. 122; Albania.
1925. *Heteromurus tetrophthalmus* Denis (617) p. 212; Italy.
1933. *Heteromurus tetrophthalmus* Denis (646) p. 187; Italy.
1935. *Heteromurus tetrophthalmus* Denis (652) p. 331; Albania.
1938. *Heteromurus tetrophthalmus* Denis (665) p. 146; Italy.
1945. *Heteromurus tetrophthalmus* Delamare Deboutteville (542) p. 103; Portugal.
1951. *Heteromurus tetrophthalmus* Delamare Deboutteville (576) p. 44; Caves in Italy.
1955. *Heteromurus tetrophthalmus* Cassagnau & Delamare Deboutteville (428) p. 383; Lebanon.
1955. *Heteromurus tetrophthalmus* Grindelli (938) p. 45; Venice.
1960. *Heteromurus tetrophthalmus* Gisin (2271) p. 239; Italy; Sicily; Albania; Portugal.

Genus: METASINELLA Denis, 1929 (632) p. 174.
Type species now designated: *M. acrobates* (Denis); by monotypy.

Metasinella acrobates Denis, 1929

1929. *Metasinella acrobates* Denis (632) p. 174, fig. V; Cuba.
1931. *Metasinella acrobates* Bonet (205) p. 386; Cuba, in caves.
1942. *Metasinella acrobates* Absolon & Kseneman (27) p. 19, fig. 19; Cuba.

Metasinella topotypica Bonet, 1944

1944. *Metasinella topotypica* Bonet (214) p. 20, figs 4–9; Cuba.

Genus: SULCUNCUS Mills, 1938 (1420) p. 188.
Type species fixed: *S. falciferus,* by Mills, 1938 (1420) p. 190.

Sulcuncus falciferus Mills, 1938

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1938. *Sulcuncus falciferus* Mills (1420) p. 190, figs. 25–27; Yucatan caves, Mexico.
1942. *Sulcuncus falciferus* Absolon & Kseneman (27) p. 22, fig. 20; Yucatan.

Genus: ACANTHURELLA Börner, 1906 (243) p. 176.
= *Acanthocyrtus* Handschin, 1925 (985) p. 236.
Type species fixed: *A. braueri,* by Börner, 1906 (243) p. 174.

Acanthurella amethystina Handschin, 1925

1925. *Acanthurella amethystina* Handschin (985) p. 243, figs. 32–35; Java.
1928. *Acanthurella amethystina* Handschin (1001) p. 266; Java.

Acanthurella braueri Börner, 1906

1906. *Lepidocyrtus* (*Acanthurella*) *braueri* Börner (243) p. 176; Seychelles.
1916. *Acanthurella braueri* Carpenter (390) p. 42; Seychelles; Ad. descr.
1929. *Acanthurella braueri* Handschin (1007) p. 27; Seychelles.
1934. *Acanthurella braueri* Womersley (2177) p. 470; Seychelles.

Acanthurella brunnea Handschin, 1930

1930. *Acanthurella brunnea* Handschin (1009) p. 416, Pl. 2, figs. 16–19; Philippines.

Acanthurella glauca Schött, 1925

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1925. *Acanthurella glauca* Schött (1777) p. 113, fig. 2; Nth. Sarawak.
1928. *Acanthurella glauca* Handschin (1001) p. 267; Borneo.

Acanthurella guianiensis (Womersley) 1930

COTYPES: Brit. Mus. Nat. Hist., London.
1930. *Acanthocyrtus guianiensis* Womersley (2166) p. 314, figs. 9–13; Brit. Guiana.
1930. *Acanthocyrtus croceus* Womersley (2166) p. 315, figs. 15–17; Brit. Guiana.

Acanthurella halei Womersley, 1937
TYPE, PARATYPE: Sth. Austr. Mus., Adelaide.
1937. *Acanthurella halei* Womersley (2188) p. 156, fig. I-L; Australia.
1939. *Acanthurella halei* Womersley (2190) p. 191, fig. 60 I-J; Sth. Australia.

Acanthurella hamata (Salmon) 1951
TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.
1951. *Acanthocyrtus hamatus* Salmon (1694) p. 134, figs. 15–17; Malaya.

Acanthurella javana Börner, 1906
1906. *Acanthurella javanus* Börner (243) p. 176; East Indies.
1912. *Lepidocyrtus javanus* Imms (1090) p. 120; Java.
1925. *Acanthurella javana* Handschin (985) p. 241; Java.
1926. *Acanthurella javanus* Handschin (993) p. 457; Java.
1928. *Acanthurella javana* Handschin (1001) p. 248; Java.
1928. *Acanthurella javanica* Handschin (1001) p. 266; Java.
1932. *Lepidocyrtus* (*Acanthurella*) *javanus* Handschin (1010) p. 483; Sumatra.

Acanthurella lepidornata Handschin, 1930
1930. *Acanthurella lepidornata* Handschin (1009) p. 416, Pl. 2, figs. 20–23; Philippines.

Acanthurella lineata (Womersley) 1934
COTYPES: Sth. Austr. Mus., Adelaide.
1934. *Acanthocyrtus lineatus* Womersley (2178) p. 125, fig. 15 a-d; Queensland.
1939. *Acanthocyrtus lineatus* Womersley (2190) p. 191, fig. 61, H-K; Queensland.

Acanthurella marginalis (Salmon) 1956
TYPE: Mus. Roy. Congo Belg., Tervuren.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, New Zealand.
1956. *Acanthocyrtus marginalis* Salmon (1712) p. 19, figs. 51–56; Belgian Congo.

Acanthurella spinosa (Schött) 1917
PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPES: Sth. Austr. Mus., Adelaide.
1917. *Lepidocyrtoides spinosus* Schött (1774) p. 47, Pl. 3, fig. 4; Queensland.
1925. *Acanthocyrtus spinosus* Handschin (985) p. 236; East Indies.
1934. *Acanthocyrtus spinosus* Womersley (2178) p. 124, fig. 15-C; Australia.
1939. *Acanthocyrtus spinosus* Womersley (2190) p. 191, fig. 61-G; Australia.
1944. *Acanthocyrtus* (*Lepidocyrtoides*) *angulata* Uchida (2021) p. 11; Reference.

Acanthurella zonata Schött, 1925
PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1925. *Acanthurella zonata* Schött (1777) p. 112, fig. 1, 14–15; Nth. Sarawak.
1928. *Acanthurella zonata* Handschin (1001) p. 266; Borneo.

Genus: TROGLOSINELLA Delamare Deboutteville, 1949 (565) p. 118.
Type species fixed: *T. hirsuta*, by Delamare Deboutteville, 1949 (565) p. 119.

Troglosinella hirsuta Delamare Deboutteville, 1949
TYPE: Auth. Colln., Univ. Nancy, France.
1949. *Troglosinella hirsuta* Delamare Deboutteville (565) p. 121, figs. 5–10; Tennessee.

Troglosinella spinosa Delamare Deboutteville, 1949
TYPE: Auth. Colln., Univ. Nancy, France.
1949. *Troglosinella spinosa* Delamare Deboutteville (565) p. 122, figs. 11–18; Alabama.

Genus: MASTIGOCERAS Handschin, 1924 (982) p. 22.
Type species now designated: *M. camponoti* Handschin; by monotypy.

Mastigoceras camponoti Handschin, 1924
1924. *Mastigoceras camponoti* Handschin (982) p. 22, fig. 6; Sth. America.

Genus: DREPANOSIRA Bonet, 1942 (211) p. 57.
= *Parasira* Bonet, 1930 (203) p. 263.
Type species fixed: *D. ornata* (Bonet) by Bonet, 1942 (211) p. 57.

Drepanosira albescens Stach, 1960
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1950. *Drepanosira albescens* Stach (2586) p. 538, Pl. LXXVI, figs. 1–4; Afghanistan.

Drepanosira grisescens Stach, 1960
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Drepanosira grisescens* Stach (2586) p. 532, Pl. LXXVI, figs. 5–6; Afghanistan.

Drepanosira lineata Stach, 1960
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Drepanosira lineata* Stach (2586) p. 533, Pl. LXXV, figs. 1–4; Afghanistan.

Drepanosira ombrophila Stach, 1960
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Drepanosira ombrophila* Stach (2586) p. 535, Pl. LXXV, figs. 5–9; Afghanistan.

Drepanosira ornata (Bonet) 1930
1930. *Parasira ornata* Bonet (203) p. 264, fig. 7; India.

Drepanosira pulchra Stach, 1960
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Drepanosira pulchra* Stach (2586) p. 534, Pl. LXXIII, figs. 7–9; Afghanistan.

Drepanosira rara Stach, 1960
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Drepanosira rara* Stach (2586) p. 537, Pl. LXXVI, figs. 7–9; Afghanistan.

Drepanosira subornata (Denis) 1936
1936. *Parasira subornata* Denis (661) p. 267, figs. 21–26; Northern India.
1955. *Drepanosira subornata* Baijal (1369) p. 510; N.W. Himalayas.

Genus: LEPIDOBRYA Womersley, 1936 (2185) p. 4.
Type species fixed: *L. mawsoni* (Tillyard), by Womersley, 1937 (2185) p. 5.

Lepidobrya aurantiaca Salmon, 1949
TYPE: Dominion Mus., Wellington, N.Z.
1949. *Lepidobrya aurantiaca* Salmon (1689) p. 46, figs. 146, 149; Auckland Islands.

Lepidobrya mawsoni (Tillyard) 1920
1920. *Entomobrya mawsoni* Tillyard (1974) p. 11, figs. 2–5.
1925. *Entomobrya mawsoni* Tillyard (1975) p. 302, fig. 13; N.Z. sub-region.
1937. *Lepidobrya mawsoni* Womersley (2185) p. 5, fig. 1; Macquarie Islands.
1949. *Lepidobrya mawsoni* Salmon (1689) p. 43; Campbell Island; Ad. descr.

Lepidobrya thalassarchia Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.

1949. *Lepidobrya thalassarchia* Salmon (1689) p. 44, figs. 140–145, 151; Campbell Island.

Lepidobrya violacea Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.

1949. *Lepidobrya violacea* Salmon (1689) figs. 147–148, 150; Campbell Island.

Genus: WILLOWSIA Shoebotham, 1917 (1822) p. 431.
Type species fixed: *W. nigromaculata* (Lubbock), by Salmon, 1945 (1684) p. 71.

***Willosia buskii** (Lubbock) 1870

COTYPES: Swed. Mus. Nat. Hist., Stockholm.

1870. *Seira buskii* Lubbock (1317) p. 280; Britain.
1871. *Degeeria cyanea* Tullberg (2002) p. 149; Sweden.
1872. *Sira buskii* Tullberg (2003) p. 41; Sweden.
1873. *Siera buskii* Lubbock (1318) p. 145, Pl. XXII; England.
1873. *Seira buski* McIntire (1353) p. 5; Britain.
1876. *Sira buskii* Reuter (1628) p. 81; Finland.
1890. *Sira buski* Reuter (1638) p. 20; Finland, greenhouses.
1891. *Seira buskii* MacGillivray (1341) p. 272; Great Britain; New York.
1891. *Seira buskii* Parfitt (1550) p. 334; England.
1891. *Sira buskii* Uzel (2050) p. 54; Bohemia.
1893. *Sira buskii* Schött (1765) p. 52; Sweden; Siberia.
1894. *Seira buskii* Harvey (1031) p. 161; North America.
1895. *Sira buski* Reuter (1643) p. 23; Finland; Europe.
1896. *Sira buskii* Lie-Pettersen (1281) p. 15; Norway.
1896. *Sira buskii* Schäffer (1735) p. 203; Germany.
1897. *Seira buskii* Maddox (1366) p. 194–; Morphology; Systematics.
1897. *Sira buski* Poppe & Schaeffer (1607) p. 271; Germany.
1897. *Sira buski* Schaeffer (1735) p. 203; Germany.
1898. *Seira buskii* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Sira buskii* Carl (351) p. 3; France.
1899. *Sira buskii* Carl (352) p. 343; Switzerland.
1899. *Sira buskii* Carpenter & Evans (402) p. 242; Scotland.
1899. *Sira buskii* Wahlgren (2073) p. 189; Sweden.
1900. *Sira pruni buskii* Schäffer (1738) p. 249; N.W. Siberia; Europe; Nth. America.
1900. *Sira pruni buskii* Schäffer (1739) p. 268; Germany.
1900. *Seira buskii* Vellay (2056) p. 21; Hungary.
1901. *Sira pruni buskii* Borner (234) p. 70; Germany.
1901. *Seira buskii* Bryan (329) p. 90; Pacific Islands.
1901. *Seira buskii* Folsom (779) p. 159; Eastern U.S.A.
1901. *Seira busquii* Krausbauer (1204) p. 82; Germany.
1902. *Sira buskii* Becker (158) p. 30; Russia.
1902. *Sira pruni baskii* Schött (1772) p. 30; Sweden.
1903. *Sira buskii* Ågren (55) p. 157; Sweden.
1903. *Seira buskii* Guthrie (951) p. 83, Pl. VIII, fig. 8.
1905. *Sira pruni buskii* Axelson (81) p. 38; Tvärminne.
1906. *Sira pruni buskii* Axelson (82) p. 18; Russia.
1906. *Sira buskii* Lie-Pettersen (1284) p. 68; Norway.
1906. *Sira buski* Wahlgren (2080) p. 262; Sweden.
1907. *Sira buski* Axelson (83) p. 132; Finland.
1908. *Sira buski* Schille (1755) p. 11; Poland.
1909. *Seira buskii* Dow & Smith (692) p. 35; New Jersey.
1910. *Sira buskii* Bagnall (102) p. 504; Britain.
1910. *Seira buskii* Collinge (464) p. 11; England.
1910. *Siera buskii* Collinge & Shoebotham (472) p. 114; England.
1911. *Sira buskii* Axelson (1291) p. 22; Norway.
1912. *Sira buski* Axelson (1292) p. 217; Finland.
1912. *Sira buskii* Dahl (496) p. 424; Ecology.
1912. *Sira buski* Schille (1756) p. 10; Galizien.
1912. *Sira buski* Schille (2394) p. 128; Poland.
1917. *Willowsia buskii* Shoebotham (1822) p. 431–; Britain.
1917. *Willosia buski* Shoebotham (1823) p. 222; England.
1920. *Sira buskii* Stach (1859) p. 185; Poland; Europe; Nth. America; N.W. Siberia.
1922. *Sira buskii* Latzel (1250) p. 66; Ostalpen and Karstes.
1922. *Sira buskii* Stach (1860) p. 39; Hungary.
1923. *Willowsia buskii* Womersley (2147) p. 34; S.W. England.
1928. *Seira buski* Folsom (800) p. 11–; New York.
1929. *Seira buskii* Handschin (1008) p. 84; Palaearctic, Nearctic form.
1930. *Sira buski* Kel'shtein (1161) p. 76; Russia.
1930. *Seira buski* Mills (1414) p. 392.
1930. *Sira buskii* Stach (1869) p. 299; Europe; Nth. America; N.W. Siberia.
1931. *Sira buskii* Denis (639) p. 224; Germany.
1931. *Sira buski* Lindroth (1286) p. 133; Iceland.
1933. *Sira buski* Folsom (802) p. 937. (Infests houses, feeds on garbage.)
1933. *Sira buskii* James (1124) p. 109; Canada.
1933. *Seira buskii* Schubert (1787) p. 181–; Ecology.
1933. *Sira buski* Schubert (1787) p. 181; Ecology.
1933. *Sira buski* Schubert (1789) p. 1; Germany.
1933. *Willosia buskii* Turk (2007) p. 94; Britain.
1934. *Sira buski* Agrell (37) p. 299; Ecology; Sweden.
1934. *Sira buski* Mills (1417) p. 71; Iowa; U.S.A.; Canada; Europe.
1934. *Seira buskii* Perrier (1576) p. 39; France.
1936. *Sira buski* Nordberg (1500) p. 34–; Ecology.
1937. *Sira buski* Schubert (1792) p. 127; Palearctic; Nearctic.
1939. *Sira buski* Mills (1422) p. 159; Nth. America.
1941. *Siera buskii* Agrell (46) p. 20; Swedish Lapland.
1941. *Seira buskii* Denis (668) p. 43; References.
1942. *Seira buskii* Marlier (1375) p. 9; Belgium.
1942. *Sira buski* Scott (1796) p. 182; West U.S.A.
1943. *Siera buskii* Agrell (47) p. 126; Sweden.
1943. *Seira buskii* Gisin (853) p. 169; Switzerland.
1945. *Siera buskii* Agrell (50) p. 11; Finland, bird's nest.
1945. *Willowsia buskii* Salmon (1684) p. 71; Systematics.
1947. *Seira buskii* Denis (673) p. 47; Island of St. Paul; Systematic ratios.
1948. *Seira buskii* Denis (676) p. 235, fig. 17; Indo-China.
1948. *Sira buski* Spencer (1851) p. 22; Canada.
1950. *Sira buski* Delamare Deboutteville (570) p. 281; Cosmopolite.
1950. *Sira buski* Mills (1426) p. 91, fig. 46.
1950. *Sira buskii* Wray (2202) p. 6; Nth. Carolina.

* The species *Willosia buskii* and *W. nigromaculata* are included here in the genus *Willosia* rather than in the genus *Seira* on account of the bidentate form of the mucro, which is in contrast to the falciform mucro characterising *Seira*. My justification for the separation of *buskii* from the genus *Seira* was published, with references, in 1945 (1684) pp. 70–71.

1950. *Sira buski* Wray (2216) p. 63; Utah.
1951. *Willowsia buskii* Maynard (1393) p. 166, Pl. XVIII, 290; Description; New York.
1951. *Sira buski* Schaller (1746) p. 492; Germany; Ecology
1951. *Sira buski* Wilkey (2120) p. 79; Colorado.
1953. *Sira buski* Hicks (1059) p. 12; Ecology.
1953. *Seira buski* Weidner (2108) p. 34; Central Europe.
1954. *Willosia buski* Bellinger (174) p. 24; Connecticut.
1955. *Willosia buski* Stach (1893) p. 157, fig. 478; Poland, Holarctic.
1956. *Sira busci* Stevanovic (1903) p. 4–; Yugoslavia.
1957. *Sira buski* Bodvarsson (2252) p. 32; Iceland.
1957. *Sira buski* Pschorn-Walcher & Gunhold (2322) p. 347; Ecology.
1958. *Sira buski* Grindbergs (2276) p. 75; Latvia.
1958. *Sira buski* Grindbergs (2277) p. 199; Latvia.
1958. *Willosia buski* von Torne (1993) p. 670; Austria.
1959. *Sira buskii* Stach (1896) p. 45; Poland.
1959. *Willosia buskii* Wilkey (2350) p. 224; California.
1960. *Willosia buski* Gisin (2271) p. 233, fig. 51; Lapland; Europe.
1960. *Willosia buski* Grindbergs (2373) p. 50; U.S.S.R.

Willowsia buskii distincta Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Willowsia buskii distincta* Maynard (1393) p. 166, Pl. XVIII, fig. 291; New York.

Willowsia buskii flava Stach, 1955

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.
1955. *Willowsia buski flava* Stach (1893) p. 157, figs. 479–480; Europe.

Willowsia nigromaculata (Lubbock) 1873

1871. *Degeerio elongata* Tullberg (2002) p. 148; *nec* Nic.; Sweden.
1872. *Sira elongata* Tullberg (2003) p. 41; Sweden.
1873. *Seira nigromaculata* Lubbock (1318) p. 146; Britain.
1887. *Seira nigromaculata* Oudemans (1510) p. 98; Holland.
1891. *Sira nigromaculata* Parfitt (1550) p. 334; England.
1894. *Seira mimica* Harvey (1031) p. 159; America.
1894. *Seira elongata* Schött (1765) p. 52; Europe.
1895. *Sira nigromaculata* Reuter (1643) p. 23; Finland; Sweden; England.
1896. *Lepidocyrtus americanus* Marlott (1379) p. 219; Nth. America.
1898. *Sira nigromaculata* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Sira nigromaculata* Carl (352) p. 341; Switzerland.
1900. *Sira nigromaculata* Lécaillon (1258) p. 73; France.
1900. *Sira nigromaculata* Schäffer (1738) p. 250; N.E. Siberia; Europe; Nth. America.
1900. *Sira nigromaculata* Schäffer (1739) p. 268; Germany.
1901. *Seira nigromaculata* Börner (234) p. 71; Central Europe.
1901. *Sira nigromaculata* Krausbauer (1204) p. 82; Germany.
1902. *Sira nigromaculata* Schött (1772) p. 31; Sweden.
1906. *Sira nigromaculata* Ågren (55) p. 158; Sweden.
1903. *Seira nigromaculata* Guthrie (951) p. 84, Pl. VIII, 1–7; Minnesota.
1906. *Sira nigromaculata* Axelson (82) p. 18; Russia.
1906. *Sira nigromaculata* Wahlgren (2080) p. 262; Sweden.
1907. *Sira nigromaculata* Axelson (83) p. 152; Finland.
1910. *Seira nigromaculata* Collinge & Shoebotham (472) p. 114; England.
1912. *Sira nigromaculata* Axelson (1292) p. 216; Finland.
1913. *Sira nigromaculata* Collinge (468) p. 99; *Pinus sylvestris;* England.
1917. *Willowsia nigromaculata* Shoebotham (1822) p. 431; Britain.
1918. *Seira nigromaculata* Brown (296) p. 186; England.
1919. *Sira nigromaculata* Wahlgren (2089) p. 751; Sweden.
1921. *Sira nigromaculata* Denis (607) p. 127; France.
1922. *Seira nigromaculata* Latzel (1250) p. 66; Austria.
1923. *Sara nigromaculata* Womersley (2147) p. 34; S.W. England.
1924. *Willowsia nigromoculata* Denis (614) p. 262; France.
1924. *Sira nigromaculata* Handschin (981) p. 130; Switzerland.
1926. *Sira platani nigromaculata* Handschin (992) p. 94; Germany.
1926. *Sira nigromaculata* Womersley (2153) p. 220; S.W. England.
1930. *Sira platani nigromaculata* Stach (1869) p. 299; Europe.
1930. *Sira platani nigromaculata* Womersley (2168) p. 188; Ireland.
1932. *Sira platani nigromaculata* Kseneman (1211) p. 21; Czechoslovakia.
1932. *Sira nigromaculata* Maynard (1391) p. 219; New York.
1933. *Sira nigromaculata* Folsom (802) p. 937; an injurious insect.
1933. *Sira nigromaculata* James (1124) p. 110; Canada.
1933. *Willowsia nigromaculata* Turk (2007) p. 94; Britain.
1935. *Sira platani nigromaculata* Schubert (1791) pp. 110–, 213–, 366–; Germany.
1937. *Sira platani nigromaculata* Drenowski (695) p. 3; Bulgaria.
1938. *Sira platani nigromaculata* Kseneman (1219) p. 110; Spieglitzer mountains.
1941. *Sira platani nigromaculata* Buitendijk (336) p. 61; Netherlands.
1941. *Sira platani nigromaculata* Szent-Ivany (1947) p. 22; Hungary.
1943. *Sira platani nigromaculata* Gisin (853) p. 169; Switzerland.
1949. *Sira platani nigromaculata* Strenzke (1922) p. 208; Germany.
1951. *Willowsia platani nigromaculata* Maynard (1393) p. 167, Pls. I, 14, XVIII, fig. 289; New York.
1952. *Sira nigromaculata* Baudissin (152) p. 56–; Ecology.
1953. *Sira platani nigromaculata* Hammer (972) p. 56; Nth. Carolina.
1955. *Willowsia platani nigromaculata* Goto (921) p. 268; Britain.
1955. *Willowsia nigromaculata* Stach (1893) p. 159, figs. 481–482; Poland.
1956. *Willowsia nigromaculata* Paclt (1540) p. 355; Europe.
1956. *Willowsia platani nigromaculata* Yosii (2235) p. 1–; Japan.
1958. *Willowsia nigromaculata* Grindbergs (2275) p. 11; Latvia.
1959. *Willowsia nigromaculata* Haybach (2375) Tab. VIII; Ecology.
1959. *Sira nigromaculata* Stach (1896) p. 45; Poland.

1959. *Willosia platani nigromaculata* Wilkey (2350) p. 224; California.
1960. *Willowsia nigromaculata* Gisin (2271) p. 234, fig. 433; Scandinavia; France; England.
1960. *Willowsia nigromaculata* Grindbergs (2373) p. 51; U.S.S.R.
1960. *Willowsia platani nigromaculata* Palissa (2319) p. 385; Systematics and Ecology.

Willowsia platani (Nicolet) 1842

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1841. *Podura argenteo-cincta* Bourlet (261) p. 118; France.
1842. *Degeeria platani* Nicolet (1493) p. 72, Pl. 8, fig. 4; Europe.
1843. *Podura argentocincta* Bourlet (265) p. 28; Europe.
1844. *Podura argentocincta* Lucas (1327) p. 291; Reference.
1871. *Degeeria elongata* Tullberg (2002) p. 148; Sweden.
1873. *Siera platani* Lubbock (1318) p. 145; Europe.
1878. *Seira platani* Parona (1557) p. 586; Italy.
1883. *Seira platani* Parona (1558) p. 462; Italy.
1894. *Seira mimica* Harvey (1031) p. 159 and ngs., Maine.
1896. *Sira platani* Lie-Pettersen (1281) p. 15; Norway.
1896. *Lepidocyrtus americanus* Marlatt (1379) p. 219; Nth. America.
1896. *Lepidocyrtus americanus* Marlatt (1380) p. 163; Nth. America.
1898. *Seira japonica* Folsom (774) p. 55, figs. 15–18; Japan.
1899. *Seira corticalis* Carl (352) p. 341, Pl. 9; figs. 60–64; Switzerland.
1901. *Sira platani* Carl (354) p. 271; Switzerland.
1901. *Sira platani* Krausbauer (1204) p. 81; Germany.
1903. *Sira flava* Ågren (55) p. 157, fig. 15; Sth. Sweden.
1903. *Sira platani* Ågren (55) p. 158; Sweden; Synonymy.
1906. *Sira platani* Navas (1483) p. 166; Spain.
1906. *Sira platani* Wahlgren (2080) p. 262; Sweden.
1922. *Sira corticaloides* Stach (1861) p. 125, Pl. X, fig. 9; Albania.
1924. *Willowsia platani* Denis (614) p. 262; France.
1925. *Willowsia platani* Denis (617) p. 211; Italy.
1925. *Willowsia platani* Teodoro (1959) p. 125; Italy.
1926. *Sira platani* Handschin (988) p. 15, fig. 8; Biology.
1926. *Sira platani* Handschin (992) p. 94; Synonymy.
1929. *Sira (Seira) platani* Brown (309) p. 426, Pl. IX, figs. 9, 10; Britain.
1929. *Sira platani* Handschin (1008) p. 85, fig. 155; Nth. and Mid. Europe; Nth. America; Nth. Asia.
1930. *Sira platani* Buitendijk (334) p. 65; Holland.
1933. *Sira platani* Denis (646) p. 185; Italy.
1933. *Sira platani* Schubert (1787) p. 261; Ecology.
1933. *Sira platani* Turk (2007) p. 94; Britain.
1934. *Sira platani* Agrell (37) p. 229; Ecology; Sweden.
1934. *Sira platani* Mills (1417) p. 71; Iowa, U.S.A.; Canada; Europe.
1934. *Sira platani* Womersley (2178) p. 119; South Australia.
1935. *Sira platani* Denis (652) p. 331; Yugoslavia.
1938. *Sira platani* Denis (665) p. 139; Italy.
1938. *Sira platani* Kseneman (1220) p. 18; Europe; America.
1939. *Sira platani* Mills (1422) p. 160; Nth. America.
1939. *Sira platani* Womersley (2190) p. 188, fig. 60 C-D; South Australia.
1941. *Sira platani* Buitendijk (336) p. 60, fig. 15; Netherlands, North and Mid. Europe; N. America.
1943. *Sira platani* Agrell (47) p. 126; Sweden.
1948. *Sira platani* Denis (676) p. 237, fig. 18; Indo-China; Justification.
1948. *Sira platani* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Sira platani* Schaller (1742) p. 269; Ecology; Germany.
1950. *Sira platani* Mills (1426) p. 91, fig. 46.
1950. *Sira platani* Wray (2202) p. 6; Nth. Carolina.
1950. *Sira platani* Wray (2216) p. 63; Utah.
1951. *Sira platani* Cassagnau & Delamare Deboutteville (593) p. 2; Mid. France.
1951. *Sira platani* Schaller (1746) p. 492; Ecology; Germany.
1951. *Sira platani* Wilkey (2120) p. 79; Colorado.
1953. *Sira platani* Hicks (1059) pp. 6, 12; Ecology.
1954. *Willowsia platani* Bellinger (174) p. 24; Connecticut.
1954. *Sira platani* Knowlton (1186) p. 87; Utah, in house.
1954. *Sira platani* Strenzke (1925) p. 57; Germany.
1955. *Sira platani* Gridelli (938) p. 45; Venice.
1955. *Sira platani* Palissa (1545) p. 482; Ecology.
1956. *Willowsia platani* Bockemuhl (193) p. 143; Spitzbergen.
1956. *Sira platani* Wray & Knowlton (2214) p. 4; Idaho.
1956. *Willowsia platani* Paclt (1541) p. 125; Biology.
1958. *Sira platani* Grindbergs (2276) p. 75; Latvia.
1958. *Sira platani* Grindbergs (2277) p. 200; Latvia.
1958. *Willowsia platani* Palissa (2318) p. 467; Germany.
1958. *Willowsia platani* von Torne (1993) p. 670; Austria.
1959. *Sira platani* Muller (2309) p. 249; Ecology.
1960. *Willowsia platani* Gisin (2271) p. 234, fig. 434; Central Europe.
1960. *Willowsia platani* Grindbergs (2373) p. 51; U.S.S.R.
1960. *Willowsia platani* Palissa (2319) p. 385; Systematics and Ecology.

Willowsia platani argenteocincta (Bourlet) 1841

1841. *Podura argenteocincta* Bourlet (261) p. 118; France.
1898. *Sira platani argenteocincta* Krausbauer (1203) p. 503.
1901. *Sira platani argenteocincta* Krausbauer (1204) p. 81, Pl. II, fig. 76; Germany.

Willowsia platani corticalis (Carl) 1899

1899. *Sira corticalis* Carl (352) p. 341; Switzerland.
1922. *Sira corticaloides* Stach (1861) p. 125, Pl. X, fig. 9; Albania.
1926. *Sira platani corticalis* Handschin (992) p. 94; Synonymy.
1930. *Sira platani corticalis* Stach (1869) p. 300; Europe; Nth. America.
1943. *Sira platani corticalis* Gisin (853) p. 169; Switzerland.
1951. *Sira platani corticalis* Schaller (1746) p. 463; Ecology.

Willowsia platani platanoides Denis, 1923

1923. *Willowsia platani platanoides* Denis (613) p. 54; France.

Genus: TYPHLOPODURA Absolon, 1900 (7) p. 428.
Type species fixed: *T. longicornis,* by Absolon, 1900 (7) p. 428, by monotypy.

Typhlopodura longicornis Absolon, 1900

1900. *Typhlopodura longicornis* Absolon (7) p. 428, fig. 1; Czechoslovakia; Genotype of *Typhlopodura*.
1929. *Typhlopodura longicornis* Handschin (1008) p. 92; caves in Herzegovina.
1931. *Typhlopodura longicornis* Bonet (205) p. 387; caves in Herzegovina.
1944. *Typhlopodura longicornis* Jeannel (1129) p. 143; cave Collembola.
1960. *Heteromurus longicornis* Gisin (2271) p. 237; Czechoslovakia.

Genus: LEPIDOCYRTINUS Börner, 1903 (239) p. 154
Type species fixed: *L. annulicornis*, by Börner, 1903 (239) p. 179.

Lepidocyrtinus annulatus Handschin, 1927

1927. *Lepidocyrtinus annulatus* Handschin (997) p. 113, Pl. fig. 4, figs. 13–16; Costa Rica.
1931. *Lepidocyrtinus annulatus* Denis (638) p. 163; Costa Rica.

Lepidocyrtinus annulicornis Börner, 1903

1903. *Lepidocyrtus* (*Lepidocyrtinus*) *annulicornis* Börner (239) p. 154; Nyasaland.
1956. *Lepidocyrtinus annulicornis* Salmon (1712) p. 25, figs. 64–68; Belgian Congo.
1959. *Seira* (*Lepidocyrtinus*) *annulicornis* Yosii (2353) p. 10, fig. 5; South Africa.

Lepidocyrtinus annulipes Handschin, 1929

TYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1929. *Lepidocyrtinus annulipes* Handschin (1007) p. 19, figs. 10–12; Abyssinia.
1934. *Lepidocyrtus annulipes* Womersley (2177) pp. 463, 471; Ad. descr.; Sth. Africa; Abyssinia.
1945. *Lepidocyrtinus annulipes* Marlier (1377) p. 258; Belgian Congo.

Lepidocyrtinus anterocoeruleus Delamare Deboutteville, 1945

TYPE: Auth. Coll., Univ. Nancy, France.
1945. *Lepidocyrtinus anterocoeruleus* Delamare Deboutteville (539) p. 34, fig. 1 F-J; Mt. Elgon, Africa.

Lepidocyrtinus armatus Carpenter, 1935

LECTOTYPE: Manchester Mus., England.
1935. *Lepidocyrtinus armatus* Carpenter (400) p. 374, fig. 6; Marquesas Islands.
1940. *Lepidocyrtinus armatus* Mumford (1472) p. 270; Marquesas Islands.

Lepidocyrtinus boccensis Delamare Deboutteville, 1948

TYPE: Lab. Entom., Mus., Paris.
1948. *Lepidocyrtinus boccensis* Delamare Deboutteville (561) p. 405, figs. 200–204; Ivory Coast.

Lepidocyrtinus boneti Denis, 1948

1948. *Lepidocyrtinus boneti* Denis (676) p. 261, fig. 26; Indochina.

Lepidocyrtinus capensis Womersley, 1934

COTYPE: Sth. Austr. Mus., Adelaide.
1934. *Lepidocyrtinus capensis* Womersley (2177) p. 462, fig. 11 a-c; South Africa.
1959. *Seira* (*Mesira*) *capensis* Paclt (2316) p. 54; South Africa.
1959. *Seira capensis* Yosii (2353) p. 20, fig. 12; South Africa.

Lepidocyrtinus cooperi Handschin, 1929

TYPES, PARATYPES: Brit. Mus. Nat. Hist., London.
1929. *Lepidocyrtinus cooperi* Handschin (1007) p. 21, figs. 13–16; Abyssinia.
1934. *Lepidocyrtinus cooperi* Womersley (2177) p. 471; Abyssinia.

Lepidocyrtinus cooperi barnardi Womersley, 1934

COTYPE, PARATYPE: Sth. Austr. Mus., Adelaide.
1934. *Lepidocyrtinus cooperi barnardi* Womersley (2177) pp. 461, 471, fig. 10; Sth. Africa.
1959. *Seira* (*Mesira*) *barnardi* Paclt (2316) p. 54; Sth. Africa.
1959. *Seira* (*Lepidocyrtinus*) *barnardi* Yosii (2353) p. 12, fig. 6; Sth. Africa.

Lepidocyrtinus dayi (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Seira* (*Lepidocyrtinus*) *dayi* Yosii (2353) p. 14, fig. 7; Sth. Africa.

Lepidocyrtinus ethiopicus (Denis) 1924

1924. *Sira ethiopica* Denis (616) p. 255, figs. 89–91; Ethiopia.
1929. *Lepidocyrtinus subdomesticus* Handschin (1007) p 19; Abyssinia.
1934. *Lepidocyrtinus aethiopicus* Womersley (2177) p. 471; Abyssinia.
1945. *Lepidocyrtinus ethiopicus* Marlier (1377) p. 258; Belgian Congo; Synonymy.
1954. *Lepidocyrtinus ethiopicus* Salmon (1700) p. 76; figs. 9–15.

Lepidocyrtinus ferrarii (Parona) 1888

1888. *Sira ferrarii* Parona (1563) p. 141, fig. 7 a, b, c; Italy.
1924. *Sira banyulensis* Denis (615) p. 198; France.
1924. *Sira banyulensis* Denis (618) p. 567, fig. 6; France.
1927. *Sira banyulensis* Denis (629) p. 205; Italy.
1938. *Lepidocyrtinus ferrarii* Denis (665) p. 136; Italy; Synonymy.
1955. *Lepidocyrtinus Ferrarii* Gridelli (938) p. 44; Venice.
1956. *Seira ferrarii* Cavalloro (429) p. 147-; Agric. pest; Italy.
1959. *Seira ferrarii* Yosii (2353) p. 22, fig. 13; S. Africa.
1960. *Seira ferrarii* Gisin (2271) p. 235, fig. 435; Italy; France.

Lepidocyrtinus flagellatus (Wahlgren) 1906

1906. *Lepidocyrtus* (*Lepidocyrtinus*) *flagellatus* Wahlgren (2081) p. 16, figs. 28–32; Egypt; Sudan.
1924. *Sira flagellata* Denis (616) p. 246, figs. 75–78; Nth. Africa; Taxonomy.
1929. *Lepidocyrtinus flagellatus* Handschin (1007) p. 27; Sudan; Kilimanjaro.
1934. *Lepidocyrtinus flagellatus* Womersley (2177) p. 471; Kilimanjaro; Egypt; Sudan.

Lepidocyrtinus flavovirens (Börner) 1903

TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Lepidocyrtus flavovirens* Börner (239) p. 150, fig. 12; Nyasa.
1929. *Lepidocyrtinus flavovirens* Handschin (1007) p. 27, Sudan; Kilimaniaro; Nyasa; East Africa.
1934. *Lepidocyrtinus flavovirens* Womersley (2177) pp. 463, 471; Sth. Africa; Brit. E. Africa; Nyasa; Kilimanjaro; Sudan.
1945. *Lepidocyrtinus flavovirens* Delamare Deboutteville (539) p. 34; Uganda.
1959. *Seira flavovirens* Yosii (2353) p. 18, fig. 10; Sth. Africa.

Lepidocyrtinus frater Bonet, 1933

1933. *Lepidocyrtinus frater* Bonet (209) p. 174, figs. XV, XVI; Argentina.

Lepidocyrtinus frater proannulatus Bonet, 1933

1933. *Lepidocyrtinus frater proannulata* Bonet (209) p. 178, fig. XVI; Argentina.

Lepidocyrtinus gridelli Denis, 1937

1937. *Lepidocyrtinus gridelli* Denis (665) p. 137; Italy.
1955. *Lepidocyrtinus gridelli* Gridelli (938) p. 44; Venice.

Lepidocyrtinus incertus Handschin, 1925

1925. *Lepidocyrtinus incertus* Handschin (987) p. 170; Morocco.
1926. *Lepidocyrtinus incertus* Handschin (990) p. 124, figs. 18–20; Algeria.
1928. *Lepidocyrtinus incertus* Handschin (1005) p. 7; Algeria.
1932. *Lepidocyrtinus incertus* Womersley (2177) pp. 460, 471; Sth. Africa; Algeria.
1937. *Lepidocyrtinus incertus* Strebel (1915) p. 259; Greece.
1942. *Pseudosira squamoornata incerata* Handschin (1012) p. 424; Palestine, Malta, Nth. Africa.

Lepidocyrtinus incoloratus (Wahlgren) 1906

1906. *Lepidocyrtus incoloratus* Wahlgren (2081) p. 8, figs. 11–14; Egypt.
1929. *Lepidocyrtinus incoloratus* Handschin (1007) p. 27 Egypt; Sudan.
1934. *Lepidocyrtinus incoloratus* Womersley (2177) p. 471; Sudan; Egypt.

Lepidocyrtinus italicus Cassagnau and Delamare Debouteville, 1953

TYPE: Auth. Colln., Univ. Nancy, France; Univ. Toulouse, France.
1953. *Lepidocyrtinus italicus* Cassagnau & Delamare Deboutteville (427) p. 110, fig. 1 (A-D); Italy.
1960. *Lepidocyrtinus italicus* Gisin (2271) p. 235; Italy.

Lepidocyrtinus jaegerskioeldi (Wahlgren) 1906

1906. *Lepidocyrtus jaegerskioeldi* Wahlgren (2081) p. 10, figs. 16, 17; Egypt; Sudan.
1929. *Lepidocyrtinus jaegerskioeldi* Handschin (1007) p. 27; Sudan.
1934. *Lepidocyrtinus jaegerskioeldi* Womersley (2177) p. 471; Sudan.

Lepidocyrtinus lesnei (Denis) 1924

1924. *Sira lesnei* Denis (616) p. 251, figs. 82–85; Algeria.
1934. *Lepidocyrtinus lesnei* Womersley (2177) p. 471; Algeria.
1960. *Seira lesnei* Gisin (2271) p. 236; Algeria.

Lepidocyrtinus leucopus Davies, 1935

TYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1935. *Lepidocyrtinus leucopus* Davies (524) p. 147, figs. 1–3; Sao Thomé I.; W. Africa.

Lepidocyrtinus melloi Arlé, 1939

1939. *Lepidocyrtinus melloi* Arlé (64) p. 127, figs. 4–13; Brazil.

Lepidocyrtinus obscuriventris (Denis) 1924

1924. *Sira obscuriventris* Denis (616) p. 239, figs. 58–60; Algeria.
1934. *Lepidocyrtinus obscuriventris* Womersley (2177), p. 471; Algeria.
1942. *Pseudosira squamoornata obscuriventris* Handschin (1012) p. 424; Palestine; Malta; Nth. Africa; Greece.

Lepidocyrtinus personatus Denis, 1948

1948. *Lepidocyrtinus personatus* Denis (676) p. 263, fig. 27; Indochina.

Lepidocyrtinus pseudocoeruleus (Denis) 1924

1924. *Sira pseudocoeruleus* Denis (616) p. 244, figs. 68–71; Ethiopia.
1934. *Lepidocyrtinus pseudocoeruleus* Womersley (2177) pp. 461, 471; Sth. Africa; Algeria.
1948. *Lepidocyrtinus pseudocoeruleus* Delamare Deboutteville (554) p. 38; Madagascar.

Lepidocyrtinus pulchellus (Wahlgren) 1906

1906. *Lepidocyrtus pulchellus* Wahlgren (2081) p. 9, fig. 15; Egypt.
1929. *Lepidocyrtinus pulchellus* Handschin (1007) p. 27; Sudan.
1934. *Lepidocyrtinus pulchellus* Womersley (2177) p. 471; Sudan.

Lepidocyrtinus pulcher Handschin, 1924

1924. *Lepidocyrtinus pulcher* Handschin (982) p. 15, fig. 2; Sth. America.
1935. *Lepidocyrtinus pulcher* Davies (524) p. 149; Brazil.

Lepidocyrtinus queenslandiae Womersley, 1935

TYPE: Sth. Austr. Mus., Adelaide.
1935. *Lepidocyrtinus queenslandiae* Womersley (2181) p. 216, fig. 5 a-c; Australia.
1939. *Lepidocyrtinus queenslandica* Womersley (2190) p. 193, fig. 61 R-S; Queensland.
1942. *Lepidocyrtinus queenslandica* Womersley (2193) p. 28; New Guinea.

Lepidocyrtinus rosei (Denis) 1925

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1925. *Sira rosei* Denis (620) p. 255, figs. A-F; N. Africa.
1960. *Seira rosei* Gisin (2271) p. 235; Algeria.

Lepidocyrtinus saipanensis Uchida, 1944

1944. *Lepidocyrtinus saipanensis* Uchida (2021) p. 9, Pl. IX; Micronesia.
1958. *Lepidocyrtinus saipanensis* Uchida (2044) p. 155; Micronesia.

Lepidocyrtinus semicoloratus Handschin, 1928

1928. *Lepidocyrtinus semicoloratus* Hendschin (1002) p. 544, figs. 23–26; Mexico.
1935. *Lepidocyrtinus semicoloratus* Davies (524) p. 149; Mexico.

Lepidocyrtinus subannulatus Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Lepidocyrtinus subannulatus* Denis (645) p. 254, figs. 36–38; Costa Rica.
1939. *Lepidocyrtinus subannulatus* Arlé (64) p. 127; Brazil.

Lepidocyrtinus taeniatoides Yosii, 1955

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1955. *Lepidocyrtinus taeniatoides* Yosii (2233) p. 391, fig. 7 A-D; Tokara Islands.
1956. *Lepidocyrtinus taeniatoides* Yosii (2235) p. 74; Japan.

Lepidocyrtinus taeniatus Handschin, 1925

1925. *Lepidocyrtinus taeniatus* Handschin (985) p. 240, figs. 23–27; Sumatra.
1928. *Lepidocyrtinus taeniatus* Handschin (1001) p. 267; Sumatra.

Lepidocyrtinus unifasciatus Denis, 1936

1936. *Lepidocyrtinus unifasciatus* Denis (661) p. 269, figs. 27–30; India.
1955. *Lepidocyrtinus unifasciatus* Baijal (1369) p. 511; N.W. Himalayas.

Lepidocyrtinus voeltzkowi Börner, 1907

1907. *Lepidocyrtinus voeltzkowi* Börner (244) p. 152, text-figs. 8–10; Madagascar.
1948. *Lepidocyrtinus voeltzkowi* Delamare Deboutteville (554) p. 39; Madagascar.

Genus: LEPIDOREGIA Delamare Deboutteville, 1948 (561) p. 407.
Type species fixed: *L. termitophila* by Delamare Deboutteville, 1948 (561) p. 407.

Lepidoregia termitophila Delamare Deboutteville, 1948

TYPE: Lab. Entom., Mus. Paris.
1948. *Lepidoregia termitophila* Delamare Deboutteville (561) p. 407, figs. 205–213; Ivory Coast.

Genus: PROTOSIRODES Börner, 1901 (229) p. 705.
Type species now designated: *P. petterseni* Börner, by selection.

Protosirodes nigra Salmon, 1956

TYPE: Mus. Roy. Congo Belge, Tervuren.
1956. *Protosirodes nigra* Salmon (1712) p. 26, figs. 69–71; Belgian Congo.

Protosirodes petterseni Börner, 1901

1901. *Protosirodes* (*Pseudosinella*) *Petterseni* Börner (229) pp. 705, 707, fig. 9; Germany.

Genus: LEPIDOSINELLA Handschin, 1920 (978) p. 142.
Type species now designated: *L. armata* Handschin, by monotypy.

Lepidosinella armata Handschin, 1920

1920. *Lepidosinella armata* Handschin (978) p. 143, figs. 12–18; Java.
1925. *Lepidosinella armata* Handschin (985) p. 266; Java.
1928. *Lepidosinella armata* Handschin (1001) p. 267; Java.

Genus: *PSEUDOSINELLA Schaeffer, 1897 (1736) p. 38.
= *Tullbergia* Lie-Pettersen, 1896 (1281) p. 16.
= *Pettersenia* Scherbakow, 1898 (1750) p. 61.
Type species now designated: *P. cavernarum* (Moniez) by selection.

Pseudosinella aggtelekiensis Stach, 1930

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.
1930. *Lepidocyrtus* (*Pseudosinella*) *aggtelekiensis* Stach (1869) p. 296; Hungary.
1931. *Pseudosinella aggtelekiensis* Bonet (205) p. 386; Hungary, in caves.

Pseudosinella alba (Packard) 1873

TYPES: Mus. Comp. Zool., Harvard.
1869. *Beckia argentea* Lubbock (1317) p. 277–; in part, Europe.
1873. *Lepidocyrtus albus* Packard (1521) p. 37; U.S.A.
1891. *Lepidocyrtus albus* MacGillivray (1341) p. 272; U.S.A.
1896. *Tullbergia ocellata* Lie-Pettersen (1281) p. 16; Norway.
1898. *Pettersenia ocellata* Lie-Pettersen (1282) p. 1–; Norway.
1900. *Sira* (*Pseudosinella*) *alba* Schäffer (1739) p. 269; Synonymy; Diagnosis; Germany.
1901. *Pseudosinella alba* Absolon (11) p. 39; Czechoslovakia.
1901. *Pseudosinella alba* Absolon (12) p. 109; Czechoslovakia.
1901. *Pseudosinella alba* Absolon (18) p. 378; European cave; Nebelhohle.
1901. *Pseudosinella alba f. principalis* Börner (229) p. 707; Europe.
1901. *Pseudosinella alba* Börner (234) p. 75; Central Europe.
1902. *Pseudosinella alba* Schött (1772) p. 34; Sweden.
1902. *Pseudosinella alba* Voights (2067) p. 524; Germany.
1903. *Pseudosinella alba* Ågren (55) p. 160; Sweden.
1903. *Pseudosinella alba* Axelson (77) p. 1–; Finland.
1905. *Pseudosinella alba* Axelson (81) p. 39; Tvärminne, Finland.
1906. *Pseudosinella alba* Axelson (82) p. 19; Russia.
1906. *Lepidocyrtus albus* Wahlgren (2080) p. 265; Sweden.
1907. *Lepidocyrtus albus* Axelson (83) p. 132; Finland.
1909. *Pseudosinella alba* Collinge & Shoebotham (471) p. 89; England.
1909. *Lepidocyrtus albus* Dow & Smith (692) p. 35; New Jersey.
1910. *Lepidocyrtus albus* Collinge & Shoebotham (472) p. 117, fig. 14; England.
1912. *Lepidocyrtus albus* Axelson (1292) p. 230; Finland.
1913. *Lepidocyrtus albus* Cameron (345) p. 176; England, soil.
1914. *Lepidocyrtus* (*Pseudosinella*) *alba* Shoebotham (1820) p. 63; Ireland.
1917. *Lepidocyrtus albus* Shoebotham (1823) p. 222; England.
1918. *Lepidocyrtus albus* Stach (1858) p. 7; Poland, in caves.
1919. *Lepidocyrtus albus* Brown (297) p. 65; England.
1920. *Lepidocyrtus* (*Pseudosinella*) *alba* Stach (1859) p. 179; Poland; Ad. descr.
1922. *Lepidocyrtus* (*Pseudosinella*) *alba* Latzel (1250) p. 68; Austria.
1922. *Lepidocyrtus albus* Morris (1456) p. 288; Ecology.
1922. *Lepidocyrtus albus* Stach (1860) p. 29; Hungary.
1923. *Lepidocyrtus* (*Pseudosinella*) *alba* Denis (611) p. 243; France.
1924. *Lepidocyrtus albus* Handschin (981) p. 140, figs. 105–108; Switzerland.

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* The genus *Tullbergia* Lie-Pettersen was renamed *Pettersenia* by Scherbakow in 1898 (1750) p. 61, as the name *Tullbergia* had already been used by Lubbock in 1876. Schaeffer, however, in 1897 (1736) p. 38, erected the genus *Pseudosinella* for the same reason, and the name *Pseudosinella* must therefore take precedence over the name *Pettersenia*.

Absolon in 1901 (16) p. 86, showed that *Sira cavernarum* Moniez and *Tullbergia immaculata* Lie-Pettersen were synonymous and that both species belonged to the genus *Pseudosinella* Schaeffer. Schaeffer, when erecting *Pseudosinella,* did not name a type species for the genus, but as he was merely renaming Lie-Pettersen's genus *Tullbergia,* without adding new species to the genus, the species *T. immaculata* Lie-Pettersen must be the type species for his genus. However, as this species has since been shown to be a synonym of the earlier described species *S. cavernarum* Moniez, the Moniez species must now be accepted as the type species for the genus *Pseudosinella* Schaeffer, 1897.

1926. *Pseudosinella alba* Handschin (995) p. 121, fig. 2; Nth. and Mid. Europe; Subterranean.
1926. *Lepidocyrtus albus* Womersley (2153) p. 220; S.W. England.
1927. *Lepidocyrtus albus* Womersley (2154) p. 378; S.W. England.
1929. *Pseudosinella alba* Handschin (1008) p. 90, figs. 161–162; Nth. and Middle Europe; Nth. America.
1930. *Pseudosinella alba* Buitendijk (334) p. 67; Holland.
1930. *Lepidocyrtus* (*Pseudosinella*) *alba* Stach (1869) p. 296; Middle and Nth. Europe.
1930. *Pseudosinella alba* Stach (1870) p. 69; = *Lepidocyrtus*; Spain.
1930. *Lepidocyrtus albus* Womersley (2168) p. 188; Ireland.
1931. *Pseudosinella alba* Bonet (205) p. 384; Germany; Poland; Czechoslovakia, in caves.
1931. *Lepidocyrtus* (*Pseudosinella*) *alba* Denis (638) pp. 142, 163; Costa Rica; North America.
1931. *Pseudosinella alba* Denis (639) p. 226; Germany.
1933. *Pseudosinella alba* Griepenburg (940) p. 29; Germany.
1933. *Lepidocyrtus albus* James (1124) p. 109; Canada.
1933. *Pseudosinella alba* Mills and Rolfs (1431) p. 82; Washington.
1933. *Lepidocyrtus albus* Turk (2007) p. 94; Britain.
1934. *Pseudosinella alba* Agrell (37) p. 231; Ecology; Sweden.
1934. *Pseudosinella alba* Durkop (707) p. 507; Europe; Nth. America.
1934. *Pseudosinella alba* Mills (1417) p. 75; Iowa.
1934. *Lepidocyrtus albus* Perrier (1576) p. 38; France.
1935. *Pseudosinella alba* Griepenburg (942) p. 42; Germany.
1936. *Pseudosinella alba* Womersley (2183) p. 323; New Zealand.
1937. *Pseudosinella alba* Frenzel (828) p. 296; Ecology.
1937. *Pseudosinella alba* Hesse *et al.* (1052) p. 537; Ecology.
1938. *Pseudosinella alba* Brimley (275) p. 16; North Carolina.
1938. *Lepidocyrtus albus* Brown (317) p. 306; England.
1938. *Pseudosinella alba* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Pseudosinella alba* Mills (1421) p. 16; Nth. Carolina.
1941. *Pseudosinella alba* Buitendijk (336) p. 64; Netherlands; N. and Mid. Europe.
1941. *Pseudosinella alba* Salmon (1676) p. 396, fig. 435; New Zealand.
1942. *Pseudosinella alba* Marlier (1375) p. 10; Belgium.
1942. *Pseudosinella alba* Tiegs (1971) p. 154–, fig. 3; Embryology.
1943. *Pseudosinella alba* Agrell (47) p. 126; Sweden.
1943. *Pseudosinella alba* Gisin (853) p. 172; Switzerland.
1945. *Pseudosinella alba* Agrell (50) p. 10; Sweden; habitats.
1946. *Pseudosinella alba* Delamare Deboutteville (542) p. 103; Portugal.
1946. *Pseudosinella alba* Pearse (1575) p. 139; Ecology.
1948. *Pseudosinella alba* Gisin (867) p. 81; Switzerland.
1948. *Pseudosinella alba* Leleup (1270) p. 10; Belgium.
1949. *Pseudosinella alba* Schaller (1742) p. 268; Germany; Ecology.
1949. *Pseudosinella alba* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Pseudosinella alba* Delamare Deboutteville (570) p. 45–; France.
1950. *Pseudosinella alba* Wray (2216) p. 63; Utah.
1951. *Pseudosinella alba* Maynard (1393) p. 171, Pl. XVIII, 295, 296; New York.
1951. *Pseudosinella alba* Schaller (1746) p. 463; Germany; Ecology.
1952. *Pseudosinella alba* Baudissin (152) p. 54–; Ecology.
1953. *Pseudosinella alba* Hazelton & Glennie (1037) p. 273; Britain.
1954. *Pseudosinella alba* Bellinger (174) p. 24; Connecticut.
1955. *Pseudosinella alba* Stach (1893) p. 152, fig. 462; Europe; America.
1956. *Pseudosinella alba* Bockemuhl (193) p. 145; Spitzbergen.
1956. *Pseudosinella alba* Husmann (1084) p. 146; Germany.
1956. *Pseudosynella alba* Loksa (1310) p. 385–; Ecology.
1956. *Pseudosinella alba* Wray & Knowlton (2214) p. 5; Idaho.
1957. *Pseudosinella alba* Haarlov (2281) p. 15; Denmark; habitat.
1957. *Pseudosinella alba* Strebel (1920) p. 470.
1958. *Pseudosinella alba* Grindbergs (2276) p. 76; Latvia.
1958. *Pseudosinella alba* Grindbergs (2277) p. 200; Latvia.
1958. *Pseudosinella alba* von Torne (1993) p. 671; Austria.
1959. *Pseudosinella alba* Holler-Land (2284) p. 426; Germany; Ecology.
1959. *Pseudosinella alba* Lawrence (2294) p. 118–; England.
1959. *Pseudosinella alba* Paclt (2316) p. 50; S. Africa.
1959. *Pseudosinella alba* Paclt (2317) p. 341; Cosmopolitan.
1959. *Pseudosinella alba* Wilkey (2350) p. 224; California.
1960. *Pseudosinella alba* Christiansen (2416) p. 13, figs. 17–21; U.S.A.
1960. *Pseudosinella alba* Gisin (2271) p. 244, fig. 444; Europe.
1960. *Pseudosinella alba* Grindbergs (2373) p. 53; U.S.S.R.

Pseudosinella alba C.R.1, Denis, 1931

1931. *Pseudosinella alba* C.R. 1. Denis (638) p. 142, figs. 138–144; Costa Rica.

Pseudosinella alba C.R.2, Denis, 1931

1931. *Pseudosinella alba* C.R. 2 Denis (638) p. 142, figs. 138–144; Costa Rica.

Pseudosinella alba punctata Börner, 1901

1901. *Pseudosinella alba punctata* Börner (229) p. 707; France.

Pseudosinella antennata (Bonet) 1929

1929. *Pseudosinella pieltaini antennata* Bonet (199) p. 25, fig. 7; Spain.
1931. *Pseudosinella antennata* Bonet (205) p. 342, figs. 22, 23; Spain.
1944. *Pseudosinella antennata* Jeannel (1129) p. 143; Cave Collembola.
1960. *Pseudosinella antennata* Gisin (2271) p. 249; Spain.

Pseudosinella argentea Folsom, 1902

1902. *Pseudosinella argentea* Folsom (780) p. 366; Collembola of the Grave; New York.
1934. *Pseudosinella decipiens* Bonet (210) pp. 370–3, fig. V; Virginia (Salem).
1960. *Pseudosinella argentea* Christiansen (2416) p. 15, figs. 31–37; U.S.A.

Pseudosinella assymetrica (Salmon) 1937

TYPE: Dominion Mus., Wellington, N.Z.
1937. *Entomobrya assymetrica* Salmon (1674) p. 355, Pl. 50 a-d; New Zealand.
1941. *Pseudosinella assymetrica* Salmon (1676) p. 395, figs. 431–434; New Zealand.

Pseudosinella boneti Bagnall, 1941

TYPE: Brit. Mus. Nat. Hist., London.
1941. *Pseudosinella boneti* Bagnall (123) p. 225; Britain.

Pseudosinella boneti inaequalis Bagnall, 1941

TYPE: Brit. Mus. Nat. Hist., London.
1941. *Pseudosinella boneti inaequalis* Bagnall (123) p. 225; Britain.

Pseudosinella brevicornis Handschin, 1924

1924. *Pseudosinella brevicornis* Handschin (982) p. 19, fig. 4; Sth. America.

Pseudosinella candida Folsom, 1902

1902. *Pseudosinella candida* Folsom (780) p. 363–; New York.
1934. *Pseudosinella candida* Mills (1417) p. 74, figs. 122, 123; Iowa.
1953. *Pseudosinella candida* Hammer (972) p. 57; Nth. Canada.
1959. *Pseudosinella candida* Yosii (2353) p. 7, fig. 4; South Africa.

Pseudosinella cavernarum (Moniez) 1893

1893. *Sira cavernarum* Moniez (1448) p. 84; France.
1896. **Tullbergia immaculata* Lie-Pettersen (1281) p. 16, Pl. II, figs. 1–4; Norway.
1897. *Cyphoderus martelli* Carpenter (365) p. 228, Pl. 2, figs. 6–10; Ireland.
1897. *Cyphoderus martelli* Carpenter (366) p. 257; Ireland.
1897. *Seira cavernarum* Carpenter (366) p. 257; Ireland; France.
1899. *Pseudosinella cavernarum* Carpenter & Evans (402) p. 241; Edinburgh.
1900. *Pseudosinella immaculata* Schaffer (1739) p. 270; Germany.
1901. *Pseudosinella cavernarum* Absolon (16) p. 86; France.
1901. *Pseudosinella cavernarum* Absolon (18) p. 378; Nebelhohle; Europe.
1901. *Pseudosinella cavernarum* Viré (2050) p. 108; France.
1902. *Pseudosinella cavernarum* Carpenter (371) p. 657; Ireland.
1902. *Pseudosinella immaculata* Schött (1772) p. 34; Scandinavia.
1903. *Pseudosinella immaculata tridenticulata* Börner (239) p. 153; Monte Pellegrino.
1903. *Cyphroderus albinos* Guthrie (951) p. 1–; Minnesota.
1906. *Pseudosinella cavernarum* Carl (356) p. 615; Italy.
1906. *Lepidocyrtus cavernarum* Wahlgren (2080) p. 263; Sweden.
1910. *Lepidocyrtus cavernarum* Collinge & Shoebotham (472) p. 118, fig. 15; England.
1914. *Lepidocyrtus cavernarum* Shoebotham (1820) p. 63; Ireland.
1922. *Lepidocyrtus cavernarum* Stach (1860) p. 27; Hungary.
1923. *Lepidocyrtus* (*Pseudosinella*) *cavernarum* Denis (613) p. 55; France.
1924. *Pseudosinella immaculata* Denis (614) p. 274; France.
1924. *Lepidocyrtus* (*Pseudosinella*) *cavernarum* Denis (614), p. 269, figs. 12, 13, 14; France.
1925. *Pseudosinella cavernarum* Denis (618) p. 577; France.
1925. *Pseudosinella immaculata* Denis (618) p. 570; France.
1926. *Pseudosinella cavernarum* Paris (1551) p. 450; Cote d'Or.
1926. *Lepidocyrtus* (*Sinella*) *cavernarum* Womersley (2153) p. 220; S.W. England.
1929. *Pseudosinella immaculata* Bonet (199) p. 18; Spain.
1929. *Pseudosinella cavernarum* Handschin (1008) p. 90; Nth. France.
1929. *Lepidocyrtus cavernarum* Hnatewytsch (1066) p. 217; Ecology.
1929. *Pseudosinella immaculata* Hnatewytsch (1066), p. 217; Ecology.
1929. *Sira cavernarum* Hnatewytsch (1066), p. 217; Synonymy.
1930. *Lepidocyrtus* (*Pseudosinella*) *immaculatus* Stach (1869), p. 296; Europe.
1930. *Lepidocyrtus cavernarum* Womersley (2168) p. 188; Ireland.
1931. *Pseudosinella cavernarum* Bonet (205) p. 385; France.
1931. *Pseudosinella immaculata* Bonet (205) p. 385; Spain and Germany; caves.
1931. *Pseudosinella immaculata* Bonet (205) p. 331, fig. XV.
1933. *Pseudosinella immaculata* Griepenburg (940) p. 29; Germany.
1933. *Lepidocyrtus cavernarum* Turk (2007) p. 94; Britain.
1934. *Pseudosinella immaculata* Griepenburg (941) p. 37; Germany.
1934. *Lepidocyrtus cavernarum* Perrier (1576) p. 39; France.
1935. *Pseudosinella cavernarum* Schubert (1791) p. 211–; Germany.
1936. *Pseudosinella cavernarum* Denis (658) p. 84; France.
1939. *Pseudosinella immaculata* Griepenburg (944) p. 77; Germany.
1941. *Pseudosinella immaculata* Bagnall (123) p. 224; Britain.
1941. *Pseudosinella immaculata* Griepenburg (946) p. 75; Germany.
1943. *Pseudosinella cavernarum* Agrell (47) p. 126; Sweden.
1944. *Pseudosinella cavernarum* Jeannel (1129) p. 139
1946. *Pseudosinella immaculata* Delamare Deboutteville (542) p. 104; Portugal.

* Gisin (2271) p. 247 recognizes this species as distinct but in my opinion it is a synonym of *P. cavernarum* (Moniez).

1953. *Lepidocyrtus cavernarum* Hazelton & Glennie (1037) p. 273; Britain.
1955. *Lepidocyrtus* (*Pseudosinella*) *cavernarum* Chopard (434) p. 23; France.
1955. *Pseudosinella cavernarum* Palissa (1545) p. 482; Ecology.
1955. *Pseudosinella immaculata* Palissa (1545) p. 482; Ecology.
1955. *Pseudosinella immaculata* Stach (1893) p. 152; Europe.
1956. *Pseudosinella immaculata* Bockemuhl (193) p. 145; Spitzbergen.
1957. *Pseudosinella cavernarum* Paclt (1543) p. 2–; Europe.
1957. *Pseudosinella cavernarum* Paclt (1544) p. 272; Czechoslovakia.
1959. *Pseudosinella immaculata* Lawrence (2294) p. 118–; England.
1959. *Pseudosinella immaculata* Paclt (2316) p. 50; Sth. Africa.
1959. *Pseudosinella immaculata* Paclt (2317) p. 341; Czechoslovakia.
1959. *Pseudosinella immaculata* Stach (1896) p. 47; Poland.
1960. *Pseudosinella cavernarum* Gisin (2270) p. 85; France.
1960. *Pseudosinella cavernarum* Gisin (2271) p. 250, fig. 457; France.
1960. *Pseudosinella immaculata* Gisin (2271) p. 247; Europe.

Pseudosinella cavernarum tridenticulata (Börner) 1903

TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Pseudosinella immaculatus tridenticulata* Börner (239) p. 153; Monte Pellegrine.
1927. *Pseudosinella immaculatus tridenticulata* Denis (629) p. 207; Italy.

Pseudosinella christianseni* *nom. nov.*

TYPE: K. R. Christiansen Colln., Grinnell Coll., Grinnell, Iowa, U.S.A.
1960. *Pseudosinella boneti* Christiansen (2416) p. 24, figs. 63–65; Tennessee; Kentucky; Alabama.

Pseudosinella collina Wray, 1952

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1952. *Pseudosinella collina* Wray (2204) p. 95, figs. 3–5: Nth. America.

Pseudosinella concii Gisin, 1950

TYPE: Mus. Hist. Natur., Geneva.
1950. *Pseudosinella concii* Gisin (876) p. 95; Italy.
1960. *Pseudosinella concii* Gisin (2271) p. 250, fig. 459; France.

Pseudosinella decemoculata Wahlgren, 1909

1909. *Lepidocyrtus* (*Pseudosinella*) *decem-oculatus* Wahlgren (2086) p. 17, fig. 33; Egypt.
1929. *Pseudosinella decemoculata* Handschin (1007) p. 27; Egypt.
1934. *Pseudosinella decemoculata* Womersley (2177) p. 470; Egypt.
1937. *Pseudosinella decemoculata* Kseneman (1217) p. 471; Carpathians.
1938. *Pseudosinella decemoculata* Kseneman (1220) p. 18; Czechoslovakia.

Pseudosinella decipiens Denis, 1924

1924. *Pseudosinella decipiens* Denis (615) p. 198; France.
1925. *Pseudosinella decipiens* Denis (618) p. 573, fig. VII; France.
1929. *Pseudosinella decipiens* Bonet (199) p. 18; Spain; Ad. descr.
1931. *Pseudosinella decipiens* Bonet (205) p. 330, fig. XIV; Spain; France.
1934. *Pseudosinella decipiens* Bonet (210) p. 370, fig. V; Ad. descr.; Salem, Virginia, U.S.A.
1938. *Pseudosinella decipiens* Kseneman (1220) p. 18; Europe; Russia.
1951. *Pseudosinella decipiens* Schaller (1746) p. 465; Ecology.
1952. *Pseudosinella decipiens* Delamare Deboutteville (581) p. 77; Mediterranean region.
1957. *Pseudosinella decipiens* Selga (1805) p. 114; Galicia.
1957. *Pseudosinella decipiens* Strebel (1920) p. 470.
1958. *Pseudosinella decipiens* von Torne (1993) p. 671; Austria.
1959. *Pseudosinella decipiens* Lawrence (2294) p. 121; England.
1960. *Pseudosinella decipiens* Gisin (2271) p. 246, fig. 447; Europe.

Pseudosinella denisi (Denis, 1948) Gisin, 1954

1948. *Pseudosinella ksenemani* Denis (678) p. 49; France.
1954. *Pseudosinella denisi* Gisin (887) p. 52; France.
1960. *Pseudosinella denisi* Gisin (2271) p. 249; France.

Pseudosinella difficilis Denis, 1926

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1926. *Pseudosinella difficilis* Denis (626) p. 13; Italy.
1927. *Pseudosinella difficilis* Denis (629) p. 203, figs. 56–57; Italy.

Pseudosinella dispadentata Salmon, 1948

TYPE: Dominion Mus., Wellington, N.Z.
1948. *Pseudosinella dispadentata* Salmon (1687) p. 297, figs. 17–20; Three Kings Is., New Zealand.

Pseudosinella dubia Christiansen, 1960

TYPE: Auth. Colln., Grinnell Coll., Grinnell, Iowa, U.S.A.
1960. *Pseudosinella dubia* Christiansen (2416) p. 9, figs. 6–11; Arkansas.

Pseudosinella duodecimocellata Handschin, 1928

1928. *Pseudosinella duodecimocellata* Handschin (1004) p. 24, figs. 11, 12; Bulgarian caves.
1929. *Pseudosinella duodecimocellata* Bonet (199) p. 16; Spain; Ad. descr.
1929. *Pseudosinella duodecimoculata* Handschin (1008) p. 89, fig. 159; Germany.
1931. *Pseudosinella duodecimocellata* Bonet (205) p. 384; Spain.
1934. *Pseudosinella duodecimoculata* Womersley (2178) p. 117; Australia.
1937. *Pseudosinella duodecimocellata* Frenzel (828) p. 296; Ecology.
1938. *Pseudosinella duodecimlineata* Drenowski (696) p. 111; *lapsus calami.*
1938. *Pseudosinella duodecimocellata* Kseneman (1219) p. 140; Spieglitzer snow mountains.

* As the specific name *boneti* was pre-occupied in the genus *Pseudosinella* by Bagnall, 1941 (123), I have renamed this species *christianseni* after the original author.

1939. *Pseudosinella duodecimoculata* Womersley (2190) p. 186, fig. 59-R; Australia.
1942. *Pseudosinella duodecimocellata* Bonet (211) p. 58; Synonymy.
1950. *Pseudosinella duodecimocellata* Wray (2202) p. 6; Nth. Carolina.
1954. *Pseudosinella duodecimocellata* Yosii (2231) p. 806, fig. 23; Japan.
1956. *Pseudosinella duodecimocellata* Yosii (2235) p. 74, Pl. XXXIX, fig. 225; Japan.
1957. *Pseudosinella duodecimocellata* Nomura (1499) p. 69; Japan.
1958. *Pseudosinella duodecimocellata* von Torne (1993) p. 671; Austria.
1960. *Pseudosinella duodecimocellata* Gisin (2270) p. 94; Switzerland.
1960. *Pseudosinella duodecimocellata* Gisin (2271) p. 242; Bulgaria; Austria.

Pseudosinella duodecimoculata (Handschin, 1929) Bonet, 1931

1929. *Pseudosinella duodecimoculata* Handschin (1008) p. 89, fig. 159; Germany.
1931. *Pseudosinella duodecimoculata* Bonet (205)p. 324, fig. X; Spain.
1931. *Pseudosinella duodecimoculata* Bonet (205) p. 384; Bulgaria.
1939. *Lepidocyrtus* (*Pseudosinella*) *duodecimoculatus* Strouhal (1931) p. 263; Ecology.
1940. *Lepidocyrtus duodecimoculatus* Strouhal (1932) p. 417–; Ecology.
1942. *Pseudosinella duodecimoculata* Marlier (1375) p. 9; Belgium.
1960. *Pseudosinella duodecimoculata* Grindbergs (2373) p. 52; U.S.S.R.

Pseudosinella duodecimpunctata Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Pseudosinella duodecimpunctata* Denis (637) p. 11, figs. 13, 14; Italy, caves.
1931. *Pseudosinella duodecimpunctata* Denis (640) p. 82; Italy, caves.
1935. *Pseudosinella duodecimpunctata* Denis (654) p. 96; Italy.
1937. *Pseudosinella duodecimpunctata* Denis (663) p. 54; Italy, caves.
1938. *Pseudosinella duodecimpunctata* Denis (665) p. 95; Italy; Ad. descr.
1943. *Pseudosinella duodecimpunctata* Tarsia in Curia (1956) p. 58, fig. 10; Italy, caves.
1951. *Pseudosinella duodecimpunctata* Delamare Deboutteville & Gisin (597), p. 136; Italy, caves.
1950. *Pseudosinella duodecimpunctata* Gisin (876) p. 94; Italy.
1952. *Pseudosinella duodecimpunctata* Delamare Deboutteville (581) p. 76; Mediterranean region.
1960. *Pseudosinella duodecimpunctata* Christiansen (2416) p. 8, figs. 1–5; U.S.A.
1960. *Pseudosinella duodecimpunctata* Gisin (2271) p. 242, fig. 441; Europe.

Pseudosinella espana Christiansen, 1960

TYPE: Auth. Colln., Grinnell Coll., Grinnell, Iowa, U.S.A.
1960. *Pseudosinella espana* Christiansen (2416) p. 19, figs. 38–42; Missouri; Tennessee

Pseudosinella fallax (Börner) 1903

TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Lepidocyrtus* (*Pseudosinella*) *fallax* Börner (239) p. 153; Italy.
1922. *Lepidocyrtus fallax* Stach (1861) p. 123, Pl. IX, fig. 9; Albania.
1927. *Pseudosinella fallax* Denis (629) p. 203; Italy.
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1935. *Lepidocyrtus fallax* Denis (652) p. 331; Albania.
1941. *Pseudosinella fallax* Bagnall (123) p. 226; Britain.
1944. *Pseudosinella fallax* Delamare Deboutteville (535) p. 35; Portugal.
1948. *Pseudosinella fallax* Denis (676) p. 265; Indo-China.
1948. *Pseudosinella fallax* Gisin (867) p. 81; Switzerland.
1960. *Pseudosinella fallax* Gisin (2271) p. 244; Europe.

Pseudosinella fasciata Womersley, 1934

TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Pseudosinella fasciata* Womersley (2178) p. 117, fig. 13 a-d; W. Australia; Victoria.
1936. *Pseudosinella fasciata* Womersley (2182) p. 480; Tasmania.
1936. *Pseudosinella fasciata* Womersley (2183) p. 322; New Zealand.
1939. *Pseudosinella fasciata* Womersley (2190) p. 186, fig. 59 N-Q; Australia.
1941. *Pseudosinella fasciata* Salmon (1676) p. 396, fig. 436; New Zealand.

Pseudosinella feneriensis Gisin, 1962

TYPES: Mus. Hist. Natur., Geneva.
1962. *Pseudosinella feneriensis* Gisin (2472) p. 21, figs. 23–26; Italy.

Pseudosinella folsomi Denis, 1931

COTYPES: Amer. Mus. Nat. Hist., New York.
1931. *Pseudosinella folsomi* Denis (639) p. 226, figs. 13–16; Massachusetts.
1960. *Pseudosinella folsomi* Christiansen (2416) p. 18, figs. 22–24; U.S.A.

Pseudosinella gineti Cassagnau, 1955

TYPE: Auth. Colln., Univ. Toulouse, France.
1955. *Pseudosinella gineti* Cassagnau (420) p. 39, fig. 3; France.
1960. *Pseudosinella gineti* Gisin (2271) p. 246, fig. 448; France.

Pseudosinella gisini Christiansen, 1960

TYPE: Auth. Colln., Grinnell Coll., Grinnell, Iowa, U.S.A.
1960. *Pseudosinella gisini* Christiansen (2416) p. 14, figs. 25–30; Virginia.

Pseudosinella gleycola Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Pseudosinella gleycola* Rapoport (2533) p. 19, figs. 131, 132; Argentina.

Pseudosinella halophila Bagnall, 1939

1939. *Pseudosinella halophila* Bagnall (120) p. 200; Britain.
1954. *Pseudosinella halophila* Strenzke (1925) p. 57; Germany.
1955. *Pseudosinella halophila* Strenzke (1926) p. 48, fig. 20; England; Germany.
1960. *Pseudosinella halophila* Gisin (2271) p. 245; England; Germany.

Pseudosinella handschini Bagnall, 1941

1941. *Pseudosinella handschini* Bagnall (123) p. 223; Britain.
1953. *Pseudosinella handschini* Hazelton & Glennie (1037) p. 273; Britain.

Pseudosinella heteromurina (Stach) 1930

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.

1930. *Lepidocyrtus* (*Pseudosinella*) *heteromurinus* Stach (1869) p. 295; Hungary.
1931. *Pseudosinella heteromurina* Bonet (205) p. 384; Hungary, caves.
1960. *Pseudosinella heteromurina* Gisin (2271) p. 244; Hungary.

Pseudosinella hirsuta (Delamare Deboutteville) 1949

1949. *Troglosinella hirsuta* Delamare Deboutteville (565) pp. 121–122; Alabama.
1960. *Pseudosinella hirsuta* Christiansen (2416) p. 22, figs. 47–58, nov. comb.; Alabama; Tennessee.

Pseudosinella imparipunctata Gisin, 1953

TYPE: Mus. Hist. Natur., Geneva.

1953. *Pseudosinella imparipunctata* Gisin (886) p. 62; Switzerland.
1956. *Pseudosinella imparipunctata* Gisin (896) p. 8; Geneva.
1960. *Pseudosinella imparipunctata* Gisin (2271) p. 244; Switzerland.

Pseudosinella inaequilis Stach, 1959

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.

1959. *Pseudosinella inaequilis* Stach (2340) p. 433; Afghanistan.
1953. *Pseudosinella inaequalis* Hazelton & Glennie (1037) p. 273; Britain.
1960. *Pseudosinella inaequalis* Stach (2586) p. 541, Pl. LXXVII, figs. 6–11; Afghanistan.

Pseudosinella inflata Bonet, 1931

1931. *Pseudosinella inflata* Bonet (205) p. 334, fig. XVII; Spain.
1931. *Pseudosinella inflata* Bonet (205) p. 385; Spain, caves.
1960. *Pseudosinella inflata* Gisin (2271) p. 247; Spain.

Pseudosinella insoloculata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Pseudosinella insoloculata* Salmon (1676) p. 396, Pl. 66, figs. 437–439; New Zealand.
1958. *Pseudosinella insoloculata* Salmon (1718) p. 708; New Zealand.

Pseudosinella joupani Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1933. *Lepidocyrtus* (*Pseudosinella*) *joupani* Denis (644) p. 212; Yugoslavia.
1935. *Lepidocyrtus joupani* Denis (652) p. 331; Yugoslavia.
1936. *Lepidocyrtus* (*Pseudosinella*) *joupani* Denis (660) p. 269, figs. 12–14; Yugoslavia.
1960. *Pseudosinella joupani* Gisin (2271) p. 243; Yugoslavia.

Pseudosinella kemneri Agrell, 1936

1936. *Pseudosinella kemneri* Agrell (38) p. 27, fig. 1; Sweden.
1939. *Pseudosinella kemneri* Agrell (44) p. 168; Sweden.
1943. *Pseudosinella kemneri* Agrell (47) p. 126; Sweden.

Pseudosinella kemneri tridenta Agrell, 1936

1936. *Pseudosinella kemneri tridenta* Agrell (38) p. 29; Sweden.

Pseudosinella ksenemani (Kseneman) 1935

1935. *Pseudosinella binoculata* Kseneman (1213) pp. 7, 25, figs. 8–10; Czechoslovakia.
1944. *Pseudosinella ksenemani* Gisin (854) p. 87; Czechoslovakia.
1952. *Pseudosinella ksenemani* Delamare Deboutteville (581) p. 77; Mediterranean region.
1956. *Pseudosinella ksenemani* Bockemuhl (193) p. 145; Spitzbergen.
1958. *Pseudosinella ksenemani* von Torne (1993) p. 671; Austria.
1960. *Pseudosinella ksenemani* Gisin (2271) p. 245; Europe.

Pseudosinella maritima Bagnall, 1941

1941. *Pseudosinella maritima* Bagnall (123) p. 224; Britain.
1955. *Pseudosinella maritima* Strenzke (1926) p. 48; England; Scotland; Ireland.

Pseudosinella monoculata Denis, 1937

1937. *Pseudosinella monoculata* Denis (665) p. 135; Italy.
1937. *Pseudosinella monoculata* Denis (663) p. 55; Italy, caves
1958. *Pseudosinella monoculata* von Torne (1993) p. 671; Austria.
1960. *Pseudosinella monoculata* Gisin (2271) p. 244; Europe.

Pseudosinella nonoculata Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Pseudosinella nonoculata* Salmon (1676) p. 397, Pl. 66, figs. 440–441; New Zealand.

Pseudosinella ocellata (Lie-Pettersen) 1896

1896. *Tullbergia ocellata* Lie-Pettersen (1281) p. 16, Pl. II, fig. 5; Norway.
1898. *Pettersenia ocellata* Lie-Pettersen (1282) p. 10, figs. 4–7; Norway.
1898. *Pettersenia ocellata* Scherbakow (1750) p. 61; *nov. comb.*

Pseudosinella octoculata (Börner) 1903

1903. *Lepidocyrtus* (*Pseudosinella*) *octopunctatus* (*v. picta*) Börner (239) p. 152; Italy.
1914. *Lepidocyrtus octoculatus* Caroli (362) p. 8, fig. 7; Italian Libya.
1927. *Pseudosinella octoculata* Handschin (998) p. 30; Palma.
1928. *Pseudosinella octoculata* Handschin (1005) p. 15; Algeria.
1929. *Pseudosinella octoculata* Handschin (1008) p. 89, = *P. octopunctata.*

Pseudosinella octopunctata Börner, 1901

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1901. *Pseudosinella octopunctata* Börner (229) p. 705, fig. 8; Germany.
1903. *Lepidocyrtus* (*Pseudosinella*) *octopunctatus picta* Börner (239) p. 152; Italy.
1903. *Lepidocyrtus decemoculatus* Guthrie (951) p. 85, Pl. VII, fig. 14; Minnesota.
1907. *Lepidocyrtus octopunctatus* Axelson (83) p. 132; Finland.
1911. *Lepidocyrtus* (*Pseudosinella*) *octopunctatus* Axelson (1291) p. 24; Norway.
1912. *Lepidocyrtus octopunctatus* Axelson (1292) p. 229; Finland.
1914. *Lepidocyrtus octoculatus* Caroli (362) p. 1–; Libya.
1922. *Lepidocyrtus octopunctatus* Stach (1860) p. 29, Pl. II, fig. 5; Hungary.
1925. *Lepidocyrtus octopunctatus* Denis (619) p. 145; France.
1926. *Pseudosinella octopunctata* Handschin (995) pp. 120, 128, fig. 1; Switzerland, subterranean; Hungary; Albania.
1929. *Pseudosinella octopunctata* Handschin (1008) p. 89, fig. 160; Switzerland; Norway; Finland; Italy.
1930. *Pseudosinella octopunctata* Kel'shtein (1161) p. 77; Russia.

1930. *Lepidocyrtus* (*Pseudosinella*) *octopunctatus* Stach (1869) p. 296; Southern sp.
1934. *Pseudosinella octopunctata* Mills (1417) p. 74, fig. 124; Iowa.
1938. *Pseudosinella octopunctata* Kseneman (1220) p. 18; Europe; Costa Rica; America.
1939. *Pseudosinella octopunctata* Agrell (44) p. 166; Sweden; Finland; Germany; Hungary; Italy; Albania.
1941. *Pseudosinella octopunctata* Agrell (46) p. 20; Swedish Lapland.
1941. *Pseudosinella octopunctata* Bagnall (123) p. 226; Britain.
1942. *Pseudosinella octopunctata* Marlier (1375) p. 10; **Belgium.**
1942. *Pseudosinella octopunctata* Scott (1796) p. 182; West U.S.A.
1942. *Pseudosinella octopunctata* Yosii (2227) p. 494, fig. 17; Japan.
1943. *Pseudosinella octopunctata* Agrell (47) p. 126; Sweden.
1943. *Pseudosinella octopunctata* Gisin (853) p. 172; Switzerland.
1946. *Pseudosinella octopunctata* Pearse (1575) p. 139; Ecology.
1948. *Pseudosinella octopunctata* Denis (676) p. 264; Indo-China.
1950. *Pseudosinella octopunctata* Wray (2216) p. 63; Utah.
1951. *Pseudosinella octopunctata* Salmon (1694) p. 131; Singapore Island.
1951. *Pseudosinella octopunctata* Wilkey (2120) p. 79; Colorado.
1952. *Pseudosinella octopunctata* Massera (1382) p. 30; Italy, caves.
1953. *Pseudosinella octopunctata* Hammer (972) p. 56; North Carolina.
1955. *Pseudosinella octopunctata* Cassagnau & Delamare Deboutteville (428) p. 383; Lebanon.
1955. *Pseudosinella octopunctata* Palissa (1545) p. 482; Ecology.
1955. *Pseudosinella octopunctata* Stach (1893) p. 152, fig. 466; Poland; Slovakia.
1955. *Pseudosinella octopunctata* Uchida (2034) p. 200; Japan.
1956. *Pseudosinella octopunctata* Wray & Knowlton (2214) p. 5; Idaho.
1958. *Pseudosinella octopunctata* Grindbergs (2276) p. 76; Latvia.
1958. *Pseudosinella octopunctata* Grindbergs (2277) p. 200; Latvia.
1958. *Pseudosinella octopunctata* Uchida (2044) p. 15; Japan.
1958. *Pseudosinella octopunctata* von Torne (1993) p. 671; Austria.
1959. *Pseudosinella octopunctata* Da Gama (2266) p. 24; Portugal.
1959. *Pseudosinella octopunctata* Paclt (2316) p. 49; Sth. Africa.
1959. *Pseudosinella octopunctata* Paclt (2317) p. 341; Czechoslovakia.
1959. *Pseudosinella octopunctata* Paclt (2390) p. 420; Egypt.
1959. *Pseudosinella octopunctata* Stach (1896) p. 69; Cosmopolite.
1959. *Pseudosinella octopunctata* Wilkey (2350) p. 224; California.
1960. *Pseudosinella octopunctata* Gisin (2271) p. 243; Europe; Nth. Africa; **Palestine.**
1960. *Pseudosinella octopunctata* Grindbergs (2373) p. 52; U.S.S.R.
1960. *Pseudosinella octopunctata* Paclt (2391) p. 157; Hungary.

Pseudosinella octopunctata picta (Börner) 1903
TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Lepidocyrtus* (*Pseudosinella*) *8 punctatus picta* Börner (239) p. 152; Italy.
1927. *Pseudosinella octopunctatus picta* Denis (629) p. 207; Italy.

Pseudosinella orba Christiansen, 1960
TYPE: Auth Colln., Grinnell Coll., Grinnell, Iowa, U.S.A.
1960. *Pseudosinella orba* Christiansen (2416) p. 20, figs. 43–46; Tennessee; Virginia.

Pseudosinella paclti Rusek, 1961
HOLOTYPE, PARATYPES: Ent. Abt. Mährischen Mus. Brno.
1961. *Pseudosinella paclti* Rusek (2595) p. 21, 7 figs; Czechoslovakia.

Pseudosinella petterseni Börner, 1901
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1901. *Pseudosinella Petterseni* Börner (229) p. 707, fig. 9; Germany.
1903. *Cyphodeirus albinus* Guthrie (951) p. 1–; Minnesota.
1924. *Lepidocyrtus violentus* Folsom (797) p. 10, figs. 28–33.
1931. *Pseudosinella petterseni* Bonet (205) p. 385; U.S.A., in caves; Synonymy.
1931. *Pseudosinella petterseni* Denis (638) pp. 141, 163, figs. 134–137; Costa Rica; Germany.
1932. *Pseudosinella roifsi* Mills (1416) p. 272, figs. 20, 29; Washington.
1933. *Pseudosinella petterseni* Bonet (209) p. 172, fig. XIII; Argentina.
1934. *Pseudosinella petterseni* Bonet (210) p. 373; Nth. America.
1939. *Pseudosinella petterseni* Bagnall (120) p. 199; Britain.
1939. *Pseudosinella violenta* Bueker (332) p. 1–, Pl. I, figs. 14–17; U.S.A.
1951. *Pseudosinella petterseni* Maynard (1393) p. 169; New York; Synonymy.
1953. *Pseudosinella petterseni* Yosii (2229) p. 69; Japan.
1954. *Pseudosinella petterseni* Bellinger (174) p. 24; Connecticut.
1956. *Pseudosinella petterseni* Paclt (1541) p. 125; Biology.
1957. *Pseudosinella petterseni* Haarlov (2281) p. 15; Denmark; habitat.
1960. *Pseudosinella petterseni* Gisin (2271) p. 245, fig. 446; Europe.

Pseudosinella petterseni attenuata Bonet, 1934
1934. *Pseudosinella petterseni attenuata* Bonet (210) p. 374, fig. VI; Nth. America.

Pseudosinella petterseni costarica, Denis, 1931
1931. *Pseudosinella petterseni f. C.R.* Denis (638) p. 141, figs. 134–137; Costa Rica.

Pseudosinella pieltaina Bonet, 1929
1929. *Pseudosinella pieltaina* Bonet (199) p. 22, figs. 5, 6; Spain.
1931. *Pseudosinella pieltaina* Bonet (205) p. 340, fig. XXI; Spain.
1960. *Pseudosinella pieltaina* Gisin (2271) p. 249; Spain.

Pseudosinella propinqua Bagnall, 1941
1941. *Pseudosinella propinqua* Bagnall (123) p. 222: Britain.

Pseudosinella pyrenaea Bonet, 1931

1931. *Pseudosinella pyrenaea* Bonet (205) p. 345, fig. XXIV; Spain.
1931. *Pseudosinella pyrenaea* Bonet (205) p. 386; Spain, caves.
1960. *Pseudosinella pyrenaea* Gisin (2271) p. 251; Spain.

Pseudosinella rolfsi Mills, 1932

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1932. *Pseudosinella rolfsi* Mills (1416) p. 272, figs. 20, 29; Washington.
1933. *Pseudosinella rolfsi* Mills & Rolfs (1431) p. 82; Washington.
1934. *Pseudosinella rolfsi* Mills (1417) p. 76, figs. 126, 127; Iowa.
1951. *Pseudosinella petterseni rollfsi* Maynard (1393) p. 170, Pl. XVIII, fig. 297; New York.
1951. *Pseudosinella rolfsi* Wilkey (2120) p. 79; Colorado.
1959. *Pseudosinella rolfsi* Wilkey (2350) p. 224; California.

Pseudosinella sexoculata Schött, 1902

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1902. *Pseudosinella sexoculata* Schött (1772) p. 34, Pl. IV, figs. 8–12; Scandinavia.
1903. *Pseudosinella voigtsi* Börner (239) pp. 150–154; Italy; Switzerland.
1903. *Lepidocyrtus sexoculata* Guthrie (951) p. 1–; Minnesota.
1906. *Lepidocyrtus sexoculatus* Wahlgren (2080) p. 263; Sweden.
1912. *Lepidocyrtus sexoculatus* Axelson (1292) p. 230; Nth. Europe; Nth. America.
1926. *Lepidocyrtus sexoculatus* Womersley (2153) p. 220; S.W. England.
1929. *Pseudosinella sexoculata* Bonet (199) p. 17; Spain; Ad. descr.
1929. *Pseudosinella sexoculata* Handschin (1008) p. 89; Nth. Europe; Germany; England; Nth. America.
1931. *Pseudosinella sexoculata* Bonet (205) p. 328, fig. XIII; Europe; America.
1931. *Pseudosinella sexoculata* Bonet (205) p. 384; Spain, caves.
1933. *Pseudosinella sexoculata* Mills & Rolfs (1431) p. 82; Washington.
1934. *Pseudosinella sexoculata* Bonet (210) p. 370; Kentucky.
1934. *Pseudosinella sexoculata* Mills (1417) p. 75; Iowa.
1934. *Pseudosinella sexoculatus* Womersley (2178) p. 117; W. Australia.
1935. *Pseudosinella* (*Lepidocyrtus*) *sexoculata* Griepenburg (942) p. 22; Germany.
1936. *Pseudosinella sexoculata* Denis (660) p. 270; Yugoslavia.
1939. *Pseudosinella sexoculata* Womersley (2190) p. 186; W. Australia.
1941. *Pseudosinella sexoculata* Bagnall (123) p. 226; Britain.
1942. *Pseudosinella sexoculata* Scott (1796) p. 183; West U.S.A.
1943. *Pseudosinella sexoculata* Agrell (47) p. 126; Sweden.
1943. *Pseudosinella sexoculata* Gisin (853) p. 172; Switzerland.
1947. *Pseudosinella sexoculata* Denis (673) p. 48; St. Paul Island.
1950. *Pseudosinella sexoculata* Wray (2216) p. 63; Utah.
1951. *Pseudosinella sexoculata* Maynard (1393) p. 170; New York.
1951. *Pseudosinella sexoculata* Schaller (1746) p. 463; Ecology; Germany.
1955. *Pseudosinella sexoculata* Stach (1893) p. 152, figs. 463–465; Europe; America.
1956. *Pseudosinella sexoculata* Wray & Knowlton (2214) p. 5; Idaho.
1958. *Pseudosinella sexoculata* von Torne (1993) p. 672; Austria.
1960. *Pseudosinella sexoculata* Christiansen (2416) p. 12, figs. 12–16; U.S.A.
1960. *Pseudosinella sexoculata* Gisin (2271) p. 243, fig. 443; Europe.
1960. *Pseudosinella sexoculata* Grindbergs (2373) p. 53; U.S.S.R.

Pseudosinella sollaudi Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Pseudosinella Sollaudi* Denis (615) p. 198; France.
1925. *Pseudosinella sollaudi* Denis (618) p. 577, fig. IX; France.
1929. *Pseudosinella sollaudi* Handschin (1008) p. 90, figs. 163, 164; Nth. France.
1931. *Pseudosinella sollaudi* Bonet (205) p. 386; France, in caves.
1960. *Pseudosinella sollaudi* Gisin (2270) p. 91; France.
1960. *Pseudosinella sollaudi* Gisin (2271) p. 250; France.

Pseudosinella sollaudi aspinata Cassagnau, 1955

TYPE: Auth. Colln., Univ. Toulouse, France.
1955. *Pseudosinella sollaudi aspinata* Cassagnau (420) pp. 35, 40, fig. 3; France.
1960. *Pseudosinella aspinata* Gisin (2271) p. 251; France.

Pseudosinella spelunca Salmon, 1958

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1958. *Pseudosinella spelunca* Salmon (1718) p. 710, figs. 13–15; New Zealand.

Pseudosinella spinosa (Delamare Deboutteville) 1949

1949. *Troglosinella spinosa* Delamare Deboutteville (565) pp. 117–124; Alabama.
1960. *Pseudosinella spinosa* Christiansen (2416) p. 23, figs. 59–62; *nov. comb.*; Alabama; Tennessee.

Pseudosinella strinatii Gisin, 1951

TYPES: Mus. Hist. Natur., Geneva.
1951. *Pseudosinella strinatii* Gisin (881) p. 56, fig. 1; Morocco.
1960. *Pseudosinella strinatii* Gisin (2271) p. 249, fig. 456; Moroccan caves.

Pseudosinella stygia Bonet, 1931

1931. *Pseudosinella stygia* Bonet (205) p. 339, fig. XX; Spain.
1931. *Pseudosinella stygia* Bonet (205) p. 385; Spain, caves.
1960. *Pseudosinella stygia* Gisin (2271) p. 249; Spain.

Pseudosinella subfusa Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Pseudosinella subfusa* Wray (2210) pp. 146, 149, fig. 2-V; Puerto Rico.

Pseudosinella suboculata Bonet, 1931

1931. *Pseudosinella suboculata* Bonet (205) p. 326, figs. XI, XII; Spain.
1931. *Pseudosinella suboculata* Bonet (205) p. 384; Spain, caves.
1960. *Pseudosinella suboculata* Gisin (2271) p. 242; Spain.

Pseudosinella subterranea Bonet, 1929

1929. *Pseudosinella subterranea* Bonet (199) p. 28, figs. 10, 11; Spain.
1931. *Pseudosinella subterranea* Bonet (205) p. 337, fig. XIX; Spain, caves.
1960. *Pseudosinella subterranea* Gisin (2271) p. 248, fig. 455; Spain.

Pseudosinella subvirei Bonet, 1931

1931. *Pseudosinella subvirei* Bonet (205) p. 335, fig. XVIII; Spain.
1931. *Pseudosinella subvirei* Bonet (205) p. 385; Spain, caves.
1943. *Pseudosinella subvirei* Gisin (853) p. 172; Switzerland.
1959. *Pseudosinella subvirei* Strebel (2344) pp. 92–94, figs. 27, 28; Germany.
1960. *Pseudosinella subvirei* Gisin (2271) p. 246, fig. 449; Spain.

Pseudosinella tarraconensis Bonet, 1929

1929. *Pseudosinella tarraconensis* Bonet (199) p. 19, fig. 4; Spain.
1931. *Pseudosinella tarraconensis* Bonet (205) p. 332, fig. XVI; Catalonia.
1931. *Pseudosinella tarraconensis* Bonet (205) p. 385; Spain, caves.
1960. *Pseudosinella tarraconensis* Gisin (2271) p. 247, fig. 451; Spain.

Pseudosinella tarraconensis longicornis Bonet, 1929

1929. *Pseudosinella tarraconensis longicornis* Bonet (199) p. 21; Spain.
1931. *Pseudosinella tarraconensis longicornis* Bonet (205) p. 333; Ad. descr.; Spain, caves.

Pseudosinella truncata Cassagnau, 1955

TYPE: Auth. Colln., Univ. Toulouse. France.
1955. *Pseudosinella truncata* Cassagnau (420) p. 36, fig. 1; France.
1960. *Pseudosinella truncata* Gisin (2271) p. 251; France.

Pseudosinella unguiculata Bonet, 1929

1929. *Pseudosinella unguiculata* Bonet (199) p. 25, figs. 8, 9; Spain
1931. *Pseudosinella unguiculata* Bonet (205) p. 346, fig. 25; Spain, caves.
1960. *Pseudosinella unguiculata* Gisin (2271) p. 247; Spain.

Pseudosinella unioculata Womersley, 1934

TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Pseudosinella unioculata* Womersley (2178) p. 118, fig. 13 g-i; W. Australia; Victoria.
1939. *Pseudosinella unioculata* Womersley (2190) p. 187, fig. 59 T-V; Australia.

Pseudosinella vandeli Denis, 1923

TYPE: Lab. Zool., Fac. Sci., Dijon, France
1923. *Lepidocyrtus* (*Pseudosinella*) *vandeli* Denis (613) p. 56; France.
1924. *Lepidocyrtus* (*Pseudosinella*) *vandeli* Denis (616) p. 274, figs. XX-XXII; France.
1925. *Pseudosinella vandeli* Denis (618) p. 574, fig. VIII; France; Ad. descr.
1929. *Pseudosinella vandeli* Handschin (1008) p. 91, fig. 165; France.
1931. *Pseudosinella vandeli* Bonet (205) p. 386; France, caves.
1943. *Pseudosinella vandeli* Gisin (853) p. 173; Switzerland.
1959. *Pseudosinella vandeli* Strebel (2344) p. 96; Germany.
1960. *Pseudosinella vandeli* Gisin (2271) p. 248, figs. 55, 453, 454; France; Switzerland.

Pseudosinella vandeli alpina Gisin, 1950

1950. *Pseudosinella vandeli alpina* Gisin (876) p. 94; Italy.
1955. *Pseudosinella vandeli alpina* Moscardini (1459) p. 43; Italy.
1960. *Pseudosinella vandeli alpina* Gisin (2270) p. 91; Italy; Switzerland.

Pseudosinella vandeli longicornis Denis, 1937

1937. *Pseudosinella vandeli longicornis* Denis (665) p. 133; Italy.
1937. *Pseudosinella vandeli longicornis* Denis (663) p. 55; Italy, caves.
1951. *Pseudosinella vandeli longicornis* Delamare Deboutteville & Gisin (597) p. 136; Italian caves.

Pseudosinella violenta (Folsom) 1924

SYNTYPES: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Lepidocyrtus violentus* Folsom (797) p. 10, figs. 28–33; New York State.
1929. *Lepidocyrtus violentus* Spender & Stracener (1855) p. 642; Economics, in sugar cane.
1930. *Lepidocyrtus violenta* Mills (1414) p. 392.
1930. *Lepidocyrtus violentus* Spencer & Stracener (1856) p. 681; Economics, in sugar cane.
1933. *Lepidocyrtus violentus* Folsom (802) p. 937; U.S.A.
1933. *Pseudosinella violenta* Folsom (802) p. 937; Agric. pest.
1933. *Lepidocyrtus violentus* James (1124) p. 109; Canada.
1933. *Pseudosinella violenta* Mills & Rolfs (1431) p. 82; Washington.
1934. *Pseudosinella violenta* Mills (1417) p. 76; Iowa.
1936. *Pseudosinella violenta* Davis & Harris (527) p. 421; Nth. America; Biology.
1938. *Pseudosinella violenta* Brimley (275) p. 16; North Carolina.
1939. *Pseudosinella violenta* Bueker (332) p. 17, figs. 14–17; St. Louis, U.S.A.
1942. *Pseudosinella violenta* Scott (1796) p. 183; West U.S.A.
1946. *Pseudosinella violenta* Pearse (1575) p. 139; Ecology.
1950. *Pseudosinella violenta* Knowlton (1185) p. 96; Utah, in celery fields.
1950. *Pseudosinella violenta* Wray (2216) p. 63; Utah.
1951. *Pseudosinella violenta* Wilkey (2120) p. 79; Colorado.
1956. *Lepidocyrtus violenta* Paclt (1541) p. 125.
1956. *Pseudosinella ciolenta* Paclt (1541) p. 125; Biology.
1956. *Pseudosinella violenta* Wray & Knowlton (2216) p. 5; Idaho.
1957. *Pseudosinella violenta* Mayer (1390) p. 526; Biology.
1959. *Pseudosinella violenta* Wilkey (2350) p. 224; California.

Pseudosinella violenta rolfsi (Mills) 1932

1932. *Pseudosinella rolfsi* Mills (1416) p. 272, figs. 20, 29; Washington.
1942. *Pseudosinella violenta rolfsi* Brimley (276) p. 4; Nth. Carolina.

Pseudosinella voigtsi Börner, 1903

1903. *Pseudosinella voigtsi* Börner (239) p. 154; Germany.
1903. *Pseudosinella voigtsi* Voigts (2068) p. 285; Germany.

Pseudosinella wahlgreni (Wahlgren) 1906

TYPE: Swed. Mus. Nat. Hist., Stockholm.
1906. *Lepidocyrtus decem-oculatus* Wahlgren (2081) p. 17, fig. 33; Egypt.
1907. *Lepidocyrtus wahlgreni* Börner (244) p. 164; Egypt.
1941. *Pseudosinella wahlgreni* Griepenburg (945) p. 57; Germany.
1943. *Pseudosinella wahlgreni* Gisin (853) p. 171.
1949. *Pseudosinella wahlgreni* Schaller (1742) p. 268; Germany; Ecology.
1950. *Pseudosinella wahlgreni* Delamare Deboutteville (570) pp. 47, 238; Africa.
1952. *Pseudosinella wahlgreni* Delamare Deboutteville (581) p. 77; Africa.
1956. *Pseudosinella wahlgreni* Bockemuhl (193) p. 145; Spitzbergen.
1958. *Pseudosinella wahlgreni* von Torne (1993) p. 672.
1959. *Pseudosinella wahlgreni* Haybach (2375) Tab. VIII; Ecology.
1960. *Pseudosinella wahlgreni* Gisin (2271) p. 242, fig. 442; Poland; Spain; Egypt.
1960. *Pseudosinella wahlgreni* Grindbergs (2373) p. 52; U.S.S.R.

***Pseudosinella yosiiana** *nom. nov*

TYPE: Yoshida Coll., Kyoto Univ., Japan.
1959. *Pseudosinella truncata* Yosii (2355) p. 37, fig. 21; Singapore.

Pseudosinella zygophora (Schille) 1908

1908. *Lepidocyrtus zygophora* Schille (1755) p. 13; Poland.
1951. *Pseudosinella zygophora* Stach (1889) p. 23, fig. 12-E; Systematics.

Genus: SIRODES Schaeffer, 1900 (1739) p. 270.
= *Mesosirodes* Börner, 1901 (229) p. 705.

Type species now designated: *S. lamperti* Schaeffer, 1900 (1739) p. 270, by monotypy.

Sirodes lamperti Schaeffer, 1900

1900. *Sirodes lamperti* Schaeffer (1739) p. 270, figs. 31–33; Germany.
1926. *Sirodes lamperti* Handschin (995) p. 135, fig. 8 a-c; Switzerland, subterranean.
1929. *Sirodes lamperti* Handschin (1008) p. 92, fig. 168; Germany; Italy.
1941. *Pseudosinella lamperti* Tarsia in Curia (1954) p. 4, fig. 3; Italy.
1943. *Pseudosinella lamperti* Tarsia in Curia (1956) p. 58; Italy, in caves.
1952. *Sirodes lamperti* Massera (1382) p. 32; Italy, in caves.

Sirodes ocellatus Absolon, 1901

1901. *Sirodes ocellatus* Absolon (18) p. 378, fig. 5; Europe.
1925. *Sirodes ocellatus* Denis (618) p. 585; France.
1931. *Pseudosinella ocellata* Bonet (205) p. 384; France.
1960. *Pseudosinella ocellata* Gisin (2271) p. 243; France.

Sirodes martelli (Carpenter) 1897

1897. *Cyphoderus martelli* Carpenter (365) p. 228, Pl 2, figs. 6–10; Ireland.
1899. *Pseudosinella cavernarum* Carpenter & Evans (402) p. 241; Edinburgh.
1902. *Pseudosinella argentata* Folsom (780) p. 363–; New York.
1902. *Pseudosinella immaculata* Schott (1772) p. 34; Scandinavia.
1906. *Lepidocyrtus cavernarum* Wahlgren (2080) p. 263; Sweden.
1908. *Sira cavernarum* Evans (741) p. 195–; Forth region.
1922. *Lepidocyrtus cavernarum* Stach (1860) p. 27; Europe.
1923. *Lepidocyrtus* (*Pseudosinella*) *martelli* Denis (613) p. 56; France.
1924. *Lepidocyrtus* (*Pseudosinella*) *martelli* Denis (614) p. 272; France.
1925. *Pseudosinella marteli* Denis (618) p. 574; Ireland, Mitchelstown cave.
1926. *Pseudosinella martelli* Handschin (995) p. 122, fig. 3; Synonymy; subterranean.
1929. *Pseudosinella martelli* Handschin (1008) p. 91, figs. 166–167; Ireland; England; France; Hungary; Switzerland.
1930. *Pseudosinella martelli* Womersley (2167) p. 152; Britain; in ant and wasp nests.
1931. *Pseudosinella martelli* Bonet (205) p. 385; Ireland, caves.
1933. *Lepidocyrtus martelli* Griepenburg (940) p. 29; Germany.
1933. *Pseudosinella martelli* Turk (2007) p. 94; Britain.
1934. *Pseudosinella martelli* Womersley (2178) p. 118, T-fig. 13 f; W. Australia.
1935. *Pseudosinella marteli* Denis (653) p. 356; France.
1935. *Lepidocyrtus martelli* Griepenburg (942) p. 42; Germany.
1937. *Pseudosinella martelli* Kseneman (1217) p. 471; Carpathians.
1939. *Pseudosinella martelli* Womersley (2190) p. 187, fig. 59 S; W. Australia.
1942. *Sinelloides dubius* Bonet (211) p. 58; Taxonomy.
1942. *Pseudosinella martelli* Muhlmann (1467) p. 194; Europe.
1943. *Pseudosinella martelli* Agrell (47) p. 126; Sweden.
1943. *Pseudosinella argentea* Gisin (853) p. 172; synonymy—*decipiens, martelli, folsomi.*
1959. *Pseudosinella martelli* Strebel (2344) p. 96; Germany.

Sirodes martelli religiosa (Agrell) 1939

1939. *Pseudosinella martelli religiosa* Agrell (44) p. 167, fig. IV, 1; Sweden.

Sirodes martelli talpae (Agrell) 1939

1939. *Pseudosinella martelli talpae* Agrell (44) p. 166, fig. IV, 2; Sweden.
1945. *Pseudosinella decipiens talpae* Agrell (50) p. 10; Sweden; habitats.

Sirodes virei (Absolon) 1901

1901. *Pseudosinella virei* Absolon (16) p. 87, figs. 6–8; Europe.
1901. *Pseudosinella virei* Viré (2062) p. 109, figs. 3–5; Tarn, France.

* As the specific name *truncata* was pre-occupied in the genus *Pseudosinella* by Cassagnau in 1955 (420) p. 36, I have renamed Yosii's species

1924. *Lepidocyrtus* (*Pseudosinella*) *virei* Denis (614) p. 293; **France.**
1931. *Pseudosinella virei* Bonet (205) p. 385; France, caves.
1932. *Pseudosinella virei* Holdhaus (1076) p. 10; Europe, in caves.
1960. *Pseudosinella virei* Gisin (2271) p. 251; ***Sp. dub.***

Genus: SINELLOIDES Bonet, 1942 (211) p. 58.
= *Parasinella* Carpenter, 1934 (399) p. 138.
= *Pseudosinella* Womersley, 1934 (2178) p. 118; in part.
= *Pseudosinella* Womersley, 1939 (2190) p. 185; in part.
= *Propesinella* Salmon, 1945 (1684) p. 69.
Type species fixed: *S. adamsoni* (Carpenter) by Bonet, 1942 (211) p. 58.

Sinelloides adamsoni (Carpenter) 1934
GENOTYPE, HOLOTYPE: Manchester Mus., England.
1934. *Parasinella adamsoni* Carpenter (399) p. 138, fig. 2; Society Is.
1942. *Sinelloides adamsoni* Bonet (211) p. 58; Tahiti.
1945. *Propesinella* (*Parasinella*) *adamsoni* Salmon (1684) p. 70; Taxonomy.

Genus: SEIRA Lubbock, 1870 (1317) p. 279.
= *Sira* Tullberg, 1872 (2003) p. 40.
= *Pseudosira* Schött, 1893 (1766).
= *Sira* Börner 1903 (239) p. 178.
= *Calistocyrtus* Ritter, 1911 (1661) p. 391.
= *Dimantinum* Paclt, 1959 (2316) p. 55.
= *Afroseira* Yosii 1959 (2353) p. 10.
Type species fixed: *S. domestica* (Nicolet) by Lubbock, 1870 (1317) p. 277.

Seira abrupta (Schött) 1917
LECTOTYPE and COTYPES: Swed. Mus. Nat. Hist., Stockholm.
COTYPE: Brit. Mus. Nat. Hist., London.
1917. *Sira abrupta* Schött (1774) p. 30, fig. 36; Queensland.
1939. *Sira abrupta* Womersley (2190) p. 187, fig. 60A; Queensland.

Seira aino Matsumura and Uchida, 1931
1931. *Seira aino* Matsumura & Uchida (1386) p. 7 and fig; Japan.
1938. *Ptenura* (*Seira*) *aino* Uchida (2015) p. 8; Japan.
1958. *Seira aino* Uchida (2044) p. 14; Japan.

Seira atrolutea (Arlé) 1939
1939. *Pseudosira atrolutea* Arlé (61) p. 297, figs. 16–20, 24; Brazil.

Seira banyulensis (Denis) 1924
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Sira banyulensis* Denis (615) p. 198; France.
1925. *Sira banyulensis* Denis (618) p. 567, fig. VI; France.
1927. *Sira banyulensis* Denis (629) p. 205; Italy.

Seira **bidenticulata** (Ritter) 1911
1911. *Pseudosira bidenticulata* Ritter (1661) p. 389, figs. 35-37; India.

Seira bimaculata (Börner) 1909
1909. *Ptenura bimaculata* Börner (246) p. 121; Japan.
1942. *Sira bimaculata* Yosii (2227) p. 488, fig. 11; Japan.
1954. *Sira bimaculata* Yosii (2231) p. 805; Japan.
1955. *Willowsia bimaculata* Yosii (2233) p. 391; Tokara Islands.
1958. *Sira bimaculata* Uchida (2044) p. 14; Japan.

Seira brahamides (Denis) 1936
1936. *Sira brahamides* Denis (661) p. 265, figs. 13–16; India.
1955. *Seira brahamides* Baijal (1369) p. 511; N.W. Himalayas.

Seira brahma Imms, 1912
TYPE: Indian Mus., Calcutta.
1912. *Seira brahma* Imms (1090) p. 99, Pl. VIII, figs. 43, 44; India.
1941. *Sira brahama* Denis (668) p. 43; India.

Seira brasiliana (Arlé) 1939
1939. *Pseudosira brasiliana* Arlé (61) p. 297, figs. 21–28, 25–28; Brazil.
1949. *Siera brasiliana* Marcus (1371) p. 61.
1949. *Pseudosiera brasiliana* Marcus (1371) p. 68.
1956. *Pseudosira brasiliana* Marcus (1372) p. 227–; Physiology.

Seira brasiliana marginata (Arlé) 1939
1939. *Pseudosira brasiliana marginata* Arlé (61) p. 299; Brazil.

Seira **calolepis** (Börner) 1913
1913. *Pseudosira calolepis* Börner (251) p. 53, figs. 8, 9, 10; Java.
1925. *Mesira calolepis* Handschin (985) p. 238, figs. 17–22; Java; Sumatra.
1926. *Mesira calolepis* Handschin (993) p. 456; Java.
1928. *Mesira calolepis* Handschin (1001) p. 247, figs. 4, 5; Java; Sumatra.
1932. *Mesira calolepis* Handschin (1010) p. 483; Java.
1933. *Mesira calolepis* Bristowe (281) p. 860; **Krakatau.**
1934. *Mesira calolepis* Bristowe (282) p. 12; **Krakatau.**
1934. *Mesira calolepis* Womersley (2178) p. 119; W. Australia.
1937. *Mesira calolepis* Womersley (2184) p. 204; Dutch New Guinea.
1939. *Mesira calolepis* Womersley (2190) p. 196, fig. 62 C-F; W. Australia.
1948. *Mesira calolepis* Dammerman (499) pp. 179, 492, fig. 37; Krakatau.

Seira coerulea (Denis) 1924
1924. *Sira coerulea* Denis (616) p. 243, figs. 66–67; Ethiopia.
1929. *Lepidocyrtinus coeruleus* Handschin (1007) p. 27; Abyssinia.
1934. *Lepidocyrtinus coeruleus* Womersley (2177) p. 471; Abyssinia.

Seira corticalis (Carl) 1899
SYNTYPES ?: Mus. Hist. Natur., Geneva.
1899. *Sira corticalis* Carl (352) p. 341; Switzerland.
1901. *Sira corticalis* Carl (354) p. 271; Switzerland.
1922. *Sira corticalis* Latzel (1250) p. 66; Ostalpen & Karstes.
1922. *Sira corticalis* Stach (1860) p. 37; Hungary.
1930. *Sira platani corticalis* Stach (1869) p. 300; Europe; Nth. America. ? prob. = *Willowsia platani corticalis.*

Seira corticaloides (Stach) 1922
TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Sira corticaloides* Stach (1861) p. 125, Pl. X, fig. 9; Albania.
1935. *Sira corticaloides* Denis (652) p. 331; Albania; Yugoslavia.

Seira dollfusi (Carl) 1899

SYNTYPE ?: Mus. Hist. Natur., Geneva.

1898. *Mesira squamoornata* Scherbakow (1751) p. 18, figs. 25–28; Kiev.
1899. *Sira dollfusi* Carl (351) p. 3, Pl. IV, figs. 1–3; Nice, France.
1901. *Sira dollfusi* Carl (354) p. 269, figs. 17, 18; Switzerland.
1901. *Mesira squamoornata* Skorikow (1834) p. 156.
1909. *Lepidocyrtus incoloratus* Wahlgren (2086) p. 8, figs. 11–14; Egypt.
1921. *Sira dollfusi* Denis (607) p. 128, fig. 1; France; Ad. descr.
1924. *Sira dollfusi* Denis (614) p. 268; France; Ad. descr.
1925. *Lepidocyrtinus dollfusi* Handschin (987) p. 167, Pl. 30, fig. 5; Morocco; Diagnosis.
1927. *Pseudosira dollfusi* Schött (1779) p. 14; Cameroons.
1928. *Lepidocyrtinus dollfusi* Handschin (1005) p. 7; Algeria.
1929. *Lepidocyrtinus dollfusi* Handschin (1008) p. 88; Sth. France; Nth. Africa.
1930. *Pseudosira dollfusi* Stach (1869) p. 299; South France; Switzerland; Morocco.
1931. *Lepidocyrtinus dollfusi* Boizowa (2357) p. 123; Ecology.
1931. *Lepidocyrtinus dollfusi* Denis (636) p. 96; Spain.
1933. *Lepidocyrtinus dollfusi* Lüdicke & Madel (1334) p. 296; Greece.
1933. *Lepidocyrtinus dollfusi* Schubert (1787) p. 243; Ecology.
1937. *Lepidocyrtinus dollfussi* Schubert (1792) p. 127; Central Europe.
1937. *Lepidocyrtinus dollfussi* Strebel (1915) p. 259; Greece.
1937. *Lepidocyrtinus dollfusi* Strebel (1917) p. 127; Germany.
1941. *Lepidocyrtinus dollfusi* Szent-Ivany (1947) p. 22; Hungary.
1942. *Pseudosira squamoornata* Handschin (1012) p. 418; Synonymy; Mesopotamia; Palestine; Nth. Africa.
1960. *Seira dollfusi* Gisin (2271) p. 236, figs. 52, 436; France; Switzerland.

Seira dollfusi pallens (Denis) 1923

1923. *Sira dollfussi pallens* Denis (613) p. 55; France.

Seira domestica (Nicolet) 1842

1842. *Degeeria domestica* Nicolet (1493) pp. 76, 115, Pl. 8, fig. 11; Europe.
1842. *Degeeria elongata* Nicolet (1493) p. 73, Pl. 8, fig. 6; Europe.
1842. *Degeeria erudita* Nicolet 1493) p. 74, Pl. 8, fig. 7; Europe.
1844. *Degeeria domestica* Gervais (841) p. 426.
1844. *Degeeria domestica* Lucas (1327) p. 294.
1847. *Degeeria domestica* Nicolet (1496) p. 370; Switzerland; France.
1868. *Seira domestica* Lubbock (1316) p. 295; Europe.
1870. *Sira domestica* Lubbock (1317) p. 279; Britain.
1870. *Degeeria domestica* MacIntire (1350) p. 4, fig. 6; Scales; Morphology.
1870. *Degeeria domestica* Pigott (2392) p. 13, and figs; Scale structure.
1871. *Degeeria domestica* MacIntire (1351) p. 10; Scales.
1873. *Seira domestica* Lubbock (1318) p. 115; Britain.
1873. *Seira erudita* Lubbock (1318) p. 148; Europe.
1873. *Seira domestica* MacIntire (1353) p. 5; Britain.
1875. *Degeeria elongata* Parona (1556) p. 298; Italy.
1875. *Degeeria erudita* Parona (1556) p. 298; Italy.
1878. *Seira domestica* Parona (1557) p. 585; Italy.
1878. *Seira erudita* Parona (1557) p. 559–; Italy.
1883. *Seira domestica* Parona (1558) p. 462; Italy.
1883. *Seira elongata* Parona (1558) p. 462; Italy.
1883. *Seira erudita* Parona (1558) p. 462; Italy.
1887. *Seira domestica* Oudemans (1510) p. 98; Holland.
1888. *Seira domestica* Dalla Torre (497) p. 145–; Tyrol.
1888. *Seira erudita* Dalla Torre (497) p. 145–; Tyrol.
1888. *Seira domestica* Parona (1563) p. 141; Italy.
1888. *Seira elongata* Parona (1563) p. 133–; Italy.
1890. *Sira trouessarti* Moniez (1443) p. 429; France.
1890. *Sira elongata* Uzel (2050) p. 54; Bohemia.
1891. *Seira domestica* Moniez (1447) p. 68; France.
1891. *Seira elongata* Moniez (1447) p. 68; France
1894. *Seira* (*Sira*) *alongata* Parona (1565) p. 697; Argentina.
1896. *Seira domestica* Freche & Beille (824) p. 70; parasite on man.
1899. *Sira domestica* Carl (351) p. 3; France.

COTYPES: Swed. Mus. Nat. Hist., Stockholm.

1899. *Sira domestica* Carl (352) p. 342; Switzerland.
1899. *Sira elongata* Carl (352) p. 342; Switzerland.
1901. *Sira domestica* Krausbauer (1204) p. 80; Germany.
1903. *Lepidocyrtus domesticus* Börner (239) p. 151; Systematics.
1907. *Sira erudita* Wahlgren (2083) p. 5; Arctic.
1910. *Pseudosira domestica* Collinge & Shoebotham (472) p. 115, fig. 12; England.
1914. *Pseudosira domestica* Bacon (94) p. 164; California.
1921. *Sira domestica* Denis (607) p. 127; France.

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1922. *Sira domestica* Denis (609) p. 112; Ile de Yeu, France.
1923. *Sira domestica* Denis (613) p. 54; Preliminary note.
1924. *Sira domestica* Denis (614) p. 265, figs. 8, 9, 10; Synonymy; diagnosis.
1924. *Pseudosira domestica* Handschin (981) p. 140, figs. 109–112; Switzerland.
1925. *Sira domestica* Denis (617) p. 211; Italy.
1925. *Sira domestica* Teodoro (1959) p. 125; Italy.
1925. *Pseudosira domestica* Womersley (2148) p. 170; S.W. England.
1926. *Lepidocyrtinus domesticus* Handschin (988) p. 3, figs. 21, 34; Biology.
1926. *Pseudosira domestica* Womersley (2153) p. 220; S.W. England.
1929. *Lepidocyrtinus domestica* Handschin (1008) p. 88, fig. 158; Germany; Switzerland; Sth. Europe; England.
1930. *Lepidocyrtinus domesticus* Buitendijk (334) p. 67; Holland.
1930. *Pseudosira domestica* Stach (1869) p. 299; Middle Europe.
1932. *Lepidocyrtinus domesticus* Durkop (706) p. 236; Germany.
1933. *Lepidocyrtinus domesticus* Bonet (209) p. 179; Argentina.
1933. *Sira domestica* Turk (2007) p. 95; Britain.
1934. *Lepidocyrtinus domesticus* Durkop (707) p. 507; Germany.
1934. *Seira domestica* Perrier (1576) p. 39; France.
1937. *Lepidocyrtinus domesticus* Denis (663) p. 55; Italy, caves.
1937. *Lepidocyrtinus domesticus* Weidner (2107) p. 18; Central Europe.

1937. *Lepidocyrtinus domesticus* Womersley (2188) p. 156; Australia.
1938. *Lepidocyrtinus domesticus* Denis (665) p. 137; Italy.
1939. *Lepidocyrtinus domesticus* Womersley (2190) p. 193; Sth. Australia.
1941. *Lepidocyrtinus domestica* Buitendijk (336) p. 63, fig. 17; Netherlands.
1942. *Sira domestica* Scott (1796) p. 182; West U.S.A.
1943. *Pseudosira domestica* Gisin (853) p. 170; Switzerland.
1951. *Lepidocyrtinus domesticus* Del. Deb. & Cassagnau (593) p. 2; Central France.
1951. *Lepidocyrtinus domesticus* **Denis & Jeannenot** (681) pp. 1–20; Ecology.
1951. *Pseudosira domestica* Schaller (1746) p. 465; Ecology.
1953. *Lepidocyrtinus domesticus* Weidner (2108) p. 35; Central Europe.
1955. *Seira domestica* Stach (1893) p. 156; Poland.
1956. *Seira domestica* Bockemuhl (193) p. 143; **Spitzbergen.**
1956. *Seira domestica* Paclt (1541) p. 121.
1957. *Lepidocyrtinus domesticus* Selga (1805) p. 117; Galicia.
1957. *Pseudosira domestica* Strebel (1920) p. 470.
1958. *Pseudosira domestica* Miles (1412) p. 638; Wales.
1958. *Seira domestica* Palissa (2318) p. 467; Germany.
1958. *Seira domestica* von Torne (1993) p. 670; Austria.
1959. *Seira domestica* Da Gama (494) p. 33; Madeira.
1959. *Seira domestica* Jeannenot (2287) p. 17–, fig. 13; Systematics.
1959. *Seira domestica* Steiner (2343) p. 466; Spain.
1959. *Seira domestica* Yosii (2353) p. 10; Genotype.
1960. *Seira domestica* Gisin (2271) p. 236; England; Europe.
1960. *Seira domestica* Palissa (2319) p. 386; Systematics & Ecology.

Seira domestica colorata (Denis) 1931

1931. *Lepidocyrtus domesticus colorata* Denis (638) p. 142, figs. 145–146; Costa Rica.
1933. *Lepidocyrtus domesticus colorata* Denis (645) p. 222; Ad. descr.; Costa Rica.
1944. *Pseudosira domestica colorata* Gisin (854) p. 83; Costa Rica.
1951. *Seira domestica colorata* Maynard (1393) p. 168; New York.

Seira domestica violacea-pallipes (Denis) 1931

1931. *Lepidocyrtinus domesticus violacea-pallipes* Denis (638) p. 142, figs. 145, 146; Costa Rica.
1933. *Lepidocyrtinus domesticus violacea-pallipes* Denis (645) p. 252; Costa Rica.

Seira eidmanni (Stach) 1935

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1935. *Pseudosira eidmanni* Stach (1878) p. 154; figs. 1–5; **Brazil.**

Seira elegans (Schött) 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Pseudosira elegans* Schött (1764) p. 11; Cameroons.
1926. *Pseudosira elegans* Schött (1779) p. 13, Pl. I, figs. 24, 25; Diagnosis; Cameroons.
1934. *Pseudosira elegans* Womersley (2177) p. 471; **Cameroons.**

Seira elongata (Nicolet) 1842

1842. *Degeeria elongata* Nicolet (1493) p. 73, Pl. 8, fig. 6; Europe.
1871. ***Degeeria elongata*** Tullberg (2002) p. 148; Sweden.
1872. *Sira elongata* Tullberg (2003) p. 41, Pl. VI, figs. 22–35; Sweden.

COTYPE: Swed. Mus. Nat. Hist., Stockholm.
1876. *Sira elongata* Reuter (1628) p. 81; Finland.
1878. *Seira elongata* Parona (1557) p. 587; Italy.
1883. *Seira elongata* Parona (1558) p. 456; Italy.
1888. *Seira elongata* Parona (1563) p. 141; Italy .
1891. *Seira elongata* Moniez (1447) p. 69; France.
1891. *Seira elongata* Uzel (2050) p. 54; Bohemia.
1893. *Sira elongata* Schött (1765) p. 52; Sweden.
1896. *Sira elongata* Lie-Pettersen (1281) p. 18; Norway.
1899. *Sira elongata* Carl (352) p. 342; Switzerland.
1900. *Sira elongata* Willem (2123) p. 47; Scandinavia.
1895. *Seira elongata* Parona (1565) p. 697; Argentina.
1906. *Sira elongata* Navas (1483) p. 166; Spain.
1929. *Sira elongata* Kel'schtein (1160) p. 246; Russia.
1930. *Sira elongata* Kel'schtein (1161) p. 76; Russia.
1934. *Seira elongata* Perrier (1576) p. 39; France.

Seira elongata fasciata (Krausbauer) 1898

1898. *Sira fasciata* Krausbauer (1203) p. 503, figs. III, IV; Germany.
1901. *Sira elongata fasciata* Krausbauer (1204) p. 82, figs. 77, 78; Germany.

Seira evansi (Brown) 1926

1926. *Pseudosira evansii* Brown (305) p. 210, figs. 20–22; Mesopotamia.

Seira fasciata (Schött) 1925

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1925. *Pseudosira fasciata* Schött (1777) p. 115; North Sarawak.

Seira ferrarii (Parona) 1888

1888. *Seira Ferrarii* Parona (1563) p. 141, Tab. I, fig. 7; Italy.
1925. *Sira ferrarii* Denis (617) p. 212; **Italy.**

Seira ferruginea Rapoport and De Izarra, 1962

1962. *Seira ferruginea* Rapoport & De Izarra (2579) p. 252, figs. 31–35; Argentina.

Seira flava (Ågren) 1903

1903. *Sira flava* Ågren (55) p. 157, fig. 15; Sweden.
1905. *Sira flava* Axelson (81) p. 38; Tvärminne, Finland.
1906. *Sira flava* Wahlgren (2080) p. 262; Sweden.
1907. *Sira flava* Axelson (83) p. 132; Finland.
1911. *Sira flava* Axelson (1291) p. 22; Norway.
1912. *Sira flava* Axelson (1292) p. 218; Finland.
1926. *Sira platani flava* Handschin (992) p. 94; Synonymy.
1935. *Sira platani flava* Schubert (1791) pp. 110–, 211–, 371–; Germany.
1936. *Sira platani flava* Denis (660) p. 271; Yugoslavia.
1941. *Sira platani flava* Buitendijk (336) p. 58; Netherlands.

Seira flavescens (Womersley) 1928

1928. *Pseudosira flavescens* Womersley (2157) p. 57, Pl. VI, figs. 12–14; New Hebrides.

Seira formosana (Denis) 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Sira formasana* Denis (632) p. 170, fig. III; Formosa.
1938. *Ptenura (Seira) formosana* Uchida (2015) p. 8; Japan.
1942. *Sira formosana* Yosii (2227) p. 489, fig. 12; Japan.
1958. *Sira formosana* Uchida (2044) p. 13; Japan; Formosa.

Seira frigida Imms, 1912

TYPE: Indian Mus., Calcutta.

1912. *Seira frigida* Imms (1090) p. 97, Pl. VIII, figs. 41, 42; Himalayas.

1955. *Seira frigida* Baijal (1369) p. 511; N.W. Himalayas.

Seira fuscana Uchida, 1944

1944. *Sira fuscana* Uchida (2021) p. 6, Pl. VI; Micronesia.

1958. *Sira fuscana* Uchida (2044) p. 13; Micronesia.

Seira fuscopicta Schaeffer, 1898

1898. *Sira fuscopicta* Schaeffer (1737) p. 412, figs. 19–22; Bismark Archipelago.

Seira gibbosa Denis, 1924

1924. *Sira gibbosa* Denis (616) p. 253, figs. 86–88; Japan.

Seira grisea (Womersley) 1934

COTYPES: Sth. Austr. Mus., Adelaide.

1934. *Pseudosira grisea* Womersley (2177) p. 459, fig. 9 a-e; Sth. Africa.

1934. *Pseudosira grisea* Womersley (2177) p. 471; Sth. Africa.

Seira grisea annulata (Womersley) 1934

COTYPES: Sth. Austr. Mus., Adelaide.

1934. *Pseudosira grisea annulata* Womersley (2177) p. 460; South Africa.

Seira hyalina Handschin, 1928

1928. *Sira hyalina* Handschin (1001) p. 247, figs. 1–3; Java.

Seira indica (Ritter) 1911

1911. *Calistocyrtus indicus* Ritter (1661) p. 391, figs. 44, 45, 46; India; Bombay; Elephant Is.

1930. *Pseudosira indica* Bonet (203) p. 260, fig. 5; India.

Seira indra (Imms) 1912

TYPE: Indian Mus., Calcutta.

PARATYPES: Brit. Mus. Nat. Hist., London.

1912. *Pseudosira indra* Imms (1090) p. 100, Pl. VII, fig. 32, Pl. VIII, figs. 37–40; Calcutta.

Seira intermedia Schött, 1921

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.

1921. *Sira intermedia* Schött (1775) p. 37, Pl. I, fig. 7; Mas a fuera (off Chile).

Seira istriana (Latzel) 1917

1917. *Pseudosira istriana* Latzel (1249) p. 244; Austrian Alps.

1922. *Pseudosira istriana* Latzel (1250) p. 66; Ostalpen and Karstes.

Seira jacobsoni (Börner) 1913

COTYPE: Ricks Mus., Leyden.

1913. *Sira jacobsoni* Börner (251) p. 49, fig. 4; Java.

1917. *Sira tricincta* Schött (1774) p. 31, fig. 37; North Queensland.

1925. *Sira jacobsoni* Handschin (985) p. 237, figs. 12–16; Java.

1928. *Sira jacobsoni* Handschin (1001) p. 266; Java; Sumatra.

1929. *Sira parajacobsoni* Denis (634) p. 105; Madagascar.

1929. *Sira jacobsoni* Handschin (1006) p. 240; S. India.

1932. *Sira jacobsoni* Folsom (801) p. 66, figs. 82–88; Hawaii.

1932. *Sira jacobsoni* Handschin (1010) p. 481, fig. 6; Sumatra.

1937. *Sira jacobsoni* Womersley (2184) p. 205; Dutch New Guinea.

1937. *Sira jacobsoni* Womersley (2188) p. 156; Australia.

1937. *Sira tricincta* Womersley (2188) p. 156; Australia.

1939. *Sira jacobsoni* Womersley (2190) p. 188, fig. 60-B; Nth. Queensland.

1942. *Sira jacobsoni* Womersley (2193) p. 28; Australia.

1944. *Sira jacobsoni* Uchida (2021) p. 4, fig. 4; Micronesia.

1948. *Sira jacobsoni* Delamare Deboutteville (554) p. 38; Madagascar.

1948. *Sira Jacobsoni* Denis (676) p. 240, fig. 19; Indo-China.

1948. *Sira jacobsoni* Zimmerman (2237) p. 58, fig. 24 a-g; Hawaii.

1952. *Sira jacobsoni* Delamare Deboutteville (2267) p. 73, figs. 34–39, 40, 41; Ivory Coast.

1955. *Sira jacobsoni* Uchida (2033) p. 205, fig. 3; Marcus Island.

1955. *Sira jacobsoni* Uchida (2034) p. 200–; Micronesia.

1958. *Sira jacobsoni* Uchida (2044) p. 13; Java; Sumatra; New Guinea; Australia; Ceylon; Hawaii.

Seira jacobsoni africana (Delamare Deboutteville) 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Sira jacobsoni africana* Delamare Deboutteville (570) p. 82, fig. 22; Ivory Coast.

1952. *Sira jacobsoni africana* Delamare Deboutteville (2267) p. 75, fig. 44; Ivory Coast.

Seira jacobsoni handschini (Uchida) 1944

1944. *Sira jacobsoni handschini* Uchida (2021) p. 5, Pl. IV, figs. 4, 5; Micronesia.

Seira jacobsoni indica (Handschin) 1929

1929. *Sira jacobsoni indica* Handschin (1006) p. 240; Ceylon.

1932. *Sira jacobsoni indica* Handschin (1010) p. 481, fig. 6; Sumatra.

1944. *Sira jacobsoni indica* Uchida (2021) p. 5; Micronesia.

1952. *Sira jacobsoni indica* Delamare Deboutteville (2267) p. 74, fig. 42.

Seira jacobsoni lipostropha (Börner) 1913

1913. *Sira jacobsoni lipostropha* Börner (251) p. 50; Java.

1944. *Sira jacobsoni lipostropha* Uchida (2021) p. 5, fig. IV; Micronesia.

1952. *Sira jacobsoni lipostropha* Delamare Deboutteville (602) p. 74, fig. 42; Ivory Coast.

Seira jacobsoni tricincta (Schött) 1917

1917. *Sira tricincta* Schött (1774) p. 31, fig. 37; Queensland.

1952. *Sira jacobsoni tricincta* Delamare Deboutteville (2267) p. 74, fig. 42.

Seira japonica Folsom, 1898

TYPE: Mus. Comp. Zool., Harvard.

1898. *Seira japonica* Folsom (774) p. 55, figs. 15–18; Japan.

1899. *Seira japonica* Folsom (775) p. 267; Japan; Variations of forms.

1931. *Ptenura (Seira) japonica* Matsumura & Uchida (1386) p. 4 and fig.; Japan.

1932. *Ptenura japonica* Kinoshita (1178) p. 2123 and fig.; Japan.

1938. *Ptenura* (*Seira*) *japonica* Uchida (2015) p. 8; Japan.
1942. *Sira japonica* Yosii (2227) p. 490, fig. 13; Japan.
1950. *Sira japonica* Kinoshita & Uchida (1179) p. 16 and fig.; Japan.
1955. *Willowsia japonica* Yosii (2233) p. 390; Tokara Islands.
1956. *Willowsia japonica* Yosii (2235) p. 73; Japan.
1957. *Sira japonica* Uchida (2044) p. 13; Japan.

Seira javana (Börner) 1913

1913. *Pseudosira javana* Börner (251) p. 51, figs. 5, 6, 7; Java.
1928. *Pseudosira javana* Handschin (1001) p. 266; Java.

Seira maclaudi Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Sira maclaudi* (616) p. 242, figs. 61–65; Konakry.

Seira malaisei (Marlier) 1945

1945. *Pseudosira malaisei* Marlier (1377) p. 258, fig. 5; Belgian Congo.

Seira mexicana Folsom, 1898

TYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1898. *Seira mexicana* Folsom (773) p. 184, figs. 7–10; Mexico.
1928. *Lepidocyrtinus mexicana* Handschin (1002) p. 543, Mexico; Systematics.
1933. *Lepidocyrtinus mexicana* Bonet (209) p. 172, fig. X-14; Argentina.
1959. *Seira mexicana* Wilkey (2350) p. 224; California.

Seira mimica Harvey, 1894

1894. *Seira mimica* Harvey (1031) p. 159, figs. 1, 2; America.

Seira munroi (Paclt) 1959

TYPE: Dept. Agric., Pretoria, Sth. Africa.
PARATYPES: Univ. Mus. Lund., Sweden; Auth. Colln., Slow. Akad., Bratislava.
1959. *Diamantinum munroi* Paclt (2316) p. 55, figs. 13–21; Sth. Africa.

Seira musarum Ridley, 1890

1890. *Seira musarum* Ridley (1656) p. 559; Brazil.

Seira nagatai Yosii, 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Seira* (*s. str.*) *nagatai* Yosii (2353) p. 19, fig. 11; Sth. Africa.

Seira nilgiri Denis, 1936

1936. *Sira nilgiri* Denis (661) p. 266, figs. 17–20; India.
1948. *Sira nilghiri* Denis (676) p. 241, fig. 20; Indo-China.
1951. *Sira nilgiri* Roonwal (1665) p. 6; India.
1951. *Sira nilgiri* Roonwal (1665) p. 503; India.
1955. *Lepidosira nilghiri* Yosii (2233) p. 398, fig. 7 E-I; Tokara Is.

Seira nyassica (Börner) 1903

1903. *Lepidocyrtus* (*Pseudosira*) *nyassicus* Börner (239) p. 149; Nyasa.
1929. *Pseudosira nyassica* Handschin (1007) p. 27; Nyasa.
1934. *Pseudosira nyassica* Womersley (2177) p. 471; Nyasa.

Seira nyassica pallens (Börner) 1908

1908. *Pseudosira nyassica pallens* Börner (245) p. 55; Sth. Africa.

Seira oceanica Yosii, 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan
1960. *Seira oceanica* Yosii (2408) p. 17, fig. 7; New Caledonia.

Seira pallida Brown, 1926

1926. *Seira pallida* Brown (305) p. 209, figs. 18, 19; Mesopotamia.

Seira pallidipes Reuter, 1895

1895. *Sira pallidipes* Reuter (1645) p. 114; Hungary.
1900. *Seira pallidipes* Vellay (2056) p. 21; Hungary.
1900. *Seira pallidipes* Vellay (2057) p. 43; Hungary.
1930. *Sira pallidipes* Stach (1869) p. 299; Hungary; References.

Seira parajacobsoni Denis, 1929

1929. *Sira parajacobsoni* Denis (634) p. 105; Madagascar.

Seira pillichi (Stach) 1930

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.
1930. *Pseudosira pillichi* Stach (1869) p. 299; Hungary.

Seira plumicornis Parona, 1893

1893. *Sira plumicornis* Parona (1564) p. 130, Pl. I, figs. 7–12; Burma; Hinter-India.
1903. *Paronella plumicornis* Schött (1773) p. 9, Pl. I, figs. 17–19, Pl. II, fig. 4; Burma; Diagnosis.

Seira pruni (Nicolet) 1842

1842. *Degeeria pruni* Nicolet (1493) p. 73, Pl. 8, fig. 5; Europe.
1844. *Degeeria pruni* Gervais (841) p. 424; Switzerland.
1844. *Degeeria pruni* Lucas (1327) p. 294; References.
1847. *Degeeria pruni* Nicolet (1496) p. 369; Switzerland.
1875. *Degeeria pruni* Uljanin (2047) p. 1; Life history.
1878. *Seira pruni* Parona (1557) p. 586; Italy.
1883. *Seira pruni* Parona (1558) p. 461; Italy.
1900. *Degeeria pruni* Prowazek (1614) p. 337; Morphology.
1900. *Seira pruni* Vellay (2056) p. 21; Hungary.
1901. *Sira pruni* Börner (234) p. 70; Central Europe.
1907. *Sira pruni* Wahlgren (2083) p. 6; Siberia.
1925. *Willowsia pruni* Denis (617) p. 211; Italy.
1959. *Entomobrya pruni* Cressitt *in litt* (re Enderlien).

Seira pseudocoerulea Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Sira coerulea* Denis (616) p. 244, figs. 68–71; Ethiopia.
1929. *Pseudosira pseudocoerulea* Denis (634) p. 104; Madagascar; Ad. descr.
1929. *Lepidocyrtinus pseudocoeruleus* Handschin (1007) p. 27; Abyssinia.
1959. *Seira pseudocoerulea* Yosii (2353) p. 15, fig. 9; Sth. Africa.

Seira purpurea Schött, 1891

1891. *Sira purpurea* Schött (1762) p. 17, Pl. IV, fig. 1; California.
1894. *Seira purpurea* Harvey (1031) p. 162; N. America.

Seira rowani (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Seira* (*Afroseira*) *rowani* Yosii (2353) p. 15, fig. 8; Sth. Africa.

Seira sapporensis Matsumura and Uchida, 1931

1931. *Seira sapporensis* Matsumura & Uchida (1386) p. 5 and fig., Japan.
1938. *Ptenura* (*Seira*) *sapporensis* Uchida (2015) p. 8; Japan.
1958. *Seira sapporensia* Uchida (2044) p. 14; Japan.

Seira saxatilis Gisin and Da Gama, 1962

HOLOTYPE: Mus. Hist. Natur., Geneva.

1962. *Seira saxatilis* Gisin & Da Gama (2473) p. 787, fig. 2; Switzerland.

Seira setapartita (Salmon) 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Pseudosira setapartita* Salmon (1683) p. 160, Pl. 60, figs. 121–123; New Zealand.

Seira subdomestica Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1924. *Sira subdomestica* Denis (616) p. 249, figs. 79–81; Ethiopia.

1929. **Lepidocyrtinus subdomesticus* Handschin (1007) p. 27; Abyssinia.

1929. *Lepidocyrtinus subdomesticus* Schött (1773) p. 19; Abyssinia.

1939. *Lepidocyrtinus subdomesticus* Womersley (2177) p. 471; Abyssinia.

1954. *Siera subdomestica* Salmon (1700) p. 76, figs. 7–8; East Africa.

to the species *L. ethiopicus* also.

Seira sumatrana (Oudemans) 1890

SYNTYPES: Swed. Mus. Nat. Hist., Stockholm.

1890. *Sira sumatrana* Oudemans (1512) p. 88; East Indies; = *Acanthurella ?*

1903. *Paronella sumatrana* Schött (1773) p. 10, Pl. I, fig. 24, Pl. II, fig. 22; Diagnosis; Sumatra.

1928. *Aphysa sumatrana* Handschin (1001) p. 267; Sumatra.

Seira thailandica Yosii, 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1891. *Seira thailandica* Yosii (2569) p. 173, fig. 2; Thailand.

Seira tricincta (Schött) 1917

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.

1917. *Sira tricincta* Schött (1774) p. 31, fig. 37; North Queensland.

Seira trouessarti Moniez, 1890

1890. *Sira trouessarti* Moniez (1443) p. 429; Croisie, France.

1891. *Seira trouessarti* Moniez (1447) p. 69; France.

Seira variabilis Schaeffer, 1897

1897. *Sira variabilis* Schaeffer (1736) p. 23, figs. 60, 61; Tierra del Fuego; Navarian Is.

1902. *Sira variabilis* Skorikow (1834) p. 157; Shedding of skin.

1903. *Pseudosira variabilis* Börner (243) p. 175; Sth. and Central America.

1906. *Sira variabilis* Wahlgren (2079) p. 18; East and West Falklands.

1912. *Ptenura variabilis* Enderlein (725) p. 57; Falkland Islands.

1912. *Ptenura variabilis* Enderlein (725) p. 128; Tierra del Fuego.

1931. *Sira variabilis* Denis (638) p. 163; Guatemala.

Seira variabilis albella (Börner) 1906

1906. *Pseudosira variabilis albella* Börner (243) p. 175; Sth. America.

Seira variabilis albiceps (Börner) 1906

1906. *Pseudosira variabilis albiceps* Börner (243) p. 175; Sth. America.

Seira variabilis bimaculata (Börner) 1906

1906. *Pseudosira variabilis bimaculata* Börner (243) p. 175; Sth. America.

Seira villosa (Börner) 1903

1903. *Sira villosa* Börner (239) p. 147; Samarkand; Europe.

Genus: UREWERA Salmon, 1941 (1676) p. 376.

Type species fixed: *U. fuchsiata*, by Salmon, 1938 (1675) p. 349.

Urewera bisecta Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Urewera bisecta* Salmon (1683) p. 162, Pl. 61, figs. 144–147; New Zealand.

†Urewera faaroanus Carpenter, 1935

LECTOTYPE: Manchester Mus., England.

1935. *Lepidocyrtus faaroanus* Carpenter (399) p. 139, fig. 3; Moorea; Society Is.

Urewera flava Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Urewera flava* Salmon (1675) p. 353, figs. 39, 40; New Zealand.

1941. *Urewera flava* Salmon (1676) p. 383, fig. 400; New Zealand.

1942. *Urewera flava* Womersley (2193) p. 29; New Zealand.

1943. *Urewera flava* Salmon (1680) p. 388; New Zealand.

Urewera flava dorsalis Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Urewera flava dorsalis* Salmon (1676) p. 383, Pl. 64, fig. 401; New Zealand.

Urewera fuchsiata Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Urewera fuchsiata* Salmon (1675) p. 350, figs. 1–7; New Zealand.

1941. *Urewera fuchsiata* Salmon (1676) p. 378, figs. 390–393; New Zealand.

Urewera fuscata (Womersley) 1930

1930. *Lepidocyrtoides fuscata* Womersley (2163) p. 60, figs. 13–15; New Zealand.

1936. *Lepidosira fuscata* Womersley (2183) p. 322; New Zealand.

1937. *Lepidosira fuscata* Salmon (1674) p. 355; New Zealand.

1941. *Urewera fuscata* Salmon (1676) p. 387, figs. 419–420; New Zealand.

§Urewera gigantea (Börner) 1909

1909. *Pseudosira* (*Mesira*) *gigantea* Börner (246) p. 122; Japan.

1938. *Pseudosira* (*Mesira*) *gigantea* Uchida (2015) p. 8; Japan.

1958. *Sira gigantea* Uchida (2044) p. 14; Japan.

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* This record is probably a misidentification for *Lepidocyrtinus ethiopicus*: see Salmon (1700) p. 76. Schött's record in 1929 is probably more correctly referable to the species *L. ethiopicus* also.

† Examination of Carpenter's type material indicates that this species should be placed in the genus *Urewera*.

§ From Börner's description of the mucro and claw, this species cannot be either a *Seira* or a *Mesira*. It seems to me more correctly placed here.

Urewera ianthina Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Urewera ianthina* Salmon (1676) p. 378, Pl. 63, figs. 379–380; New Zealand.

Urewera inconstans Salmon, 1938
TYPE: Dominion Mus., Wellington, N.Z.
1938. *Urewera inconstans* Salmon (1675) p. 353, figs. 11, 12; New Zealand.
1941. *Urewera inconstans* Salmon (1676) p. 381, figs. 394–396; New Zealand.

Urewera magna (Salmon) 1937
TYPE: Dominion Mus., Wellington, N.Z.
1937. *Pseudosinella magna* Salmon (1674) p. 355, Pl. 50 e-g; New Zealand.
1938. *Urewera tridentifera* Salmon (1675) p. 351, Pl. 35, figs. 8–10; New Zealand.
1941. *Urewera magna* Salmon (1676) p. 384, figs. 397–399; New Zealand.
1943. *Urewera magna* Salmon (1680) p. 387; New Zealand.

Urewera magna lichenata (Salmon) 1938
TYPE: Dominion Mus., Wellington, N.Z.
1938. *Urewera tridentifera lichenata* Salmon (1675) p. 352; New Zealand.
1941. *Urewera magna lichenata* Salmon (1676) p. 386; New Zealand.

Urewera magna violacea (Salmon) 1938
TYPE: Dominion Mus., Wellington, N.Z.
1938. *Urewera tridentifera violacea* Salmon (1675) p. 352; New Zealand.
1941. *Urewera magna violacea* Salmon (1676) p. 386; New Zealand.

Urewera obscura Salmon, 1944
TYPE: Dominion Mus., Wellington, N.Z.
1944. *Urewera obscura* Salmon (1683) p. 160, Pl. 61, figs. 139–143; New Zealand.

Urewera parva Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Urewera parva* Salmon (1676) p. 379, Pl. 63, fig. 381; New Zealand.

Urewera purpurea Salmon, 1938
TYPE: Dominion Mus., Wellington, N.Z.
1938. *Urewera purpurea* Salmon (1675) p. 354, figs. 13–14; New Zealand.
1941. *Urewera purpurea* Salmon (1676) p. 386, figs. 402–403; New Zealand.
1942. *Urewera purpurea* Womersley (2193) p. 30; New Zealand.

Urewera purpurea reducta Salmon, 1938
TYPE: Dominion Mus., Wellington, N.Z.
1938. *Urewera purpurea reducta* Salmon (1675) p. 355; New Zealand.
1941. *Urewera purpurea reducta* Salmon (1676) p. 387; New Zealand.

Urewera quadradentata Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Urewera quadradentata* Salmon (1676) p. 382, Pl. 63, figs. 387–389; New Zealand.
1943. *Urewera quadradentata* Salmon (1680) p. 388; New Zealand.

Urewera splendida Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Urewera splendida* Salmon (1676) p. 380, Pl. 63, figs. 382–386; New Zealand.

Genus: LEPIDOSIRA Schött, 1925 (1777) p. 116.
Type species now designated: *L. montana* Schött, 1925 (1777) p. 116; by monotypy.

Lepidosira angulata (Schött) 1917
PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Lepidocyrtoides angulatus* Schött (1774) p. 46, Pl. 3, fig. 5; Queensland.
1939. *Lepidosira angulata* Womersley (2190) p. 202, fig. 61 A-C; Queensland.
1944. *Lepidosira* (*Lepidocyrtoides*) *angulata* Uchida (2021) p. 11; Queensland.

Lepidosira anomala Salmon, 1944
TYPE: Dominion Mus., Wellington, N.Z.
1944. *Lepidosira anomala* Salmon (1683) p. 164, Pl. 61, figs. 148–150; New Zealand.

Lepidosira arborea Salmon, 1944
TYPE: Dominion Mus., Wellington, N.Z.
1944. *Lepidosira arborea* Salmon (1683) p. 163, Pl. 60, figs. 130–132; New Zealand.

Lepidosira arborea pigmenta Salmon, 1944
TYPE: Dominion Mus., Wellington, N.Z.
1944. *Lepidosira arborea pigmenta* Salmon (1683) p. 164; New Zealand.

Lepidosira bidentata Salmon, 1938
TYPE: Dominion Mus., Wellington, N.Z.
1938. *Lepidosira bidentata* Salmon (1675) p. 358, figs. 27–28; New Zealand.
1941. *Lepidosira bidentata* Salmon (1676) p. 391, figs. 410–411; New Zealand.

Lepidosira cincta (Schött) 1917
PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1917. *Lepidocyrtoides cinctus* Schött (1774) p. 45; Queensland.
1939. *Lepidosira cincta* Womersley (2190) p. 203; Queensland.
1944. *Lepidosira* (*Lepidocyrtoides*) *cincta* Uchida (2021) p. 11; Queensland.

Lepidosira coerulea (Schött) 1917
PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1917. *Lepidocyrtoides coeruleus* Schött (1774) p. 45; Queensland.
1929. *Lepidocyrtoides coeruleus* Womersley (2160) p. 273; New Zealand.
1934. *Lepidosira coeruleus* Womersley (2178) p. 124; Australia.
1936. *Lepidosira coerulea* Womersley (2183) p. 322; New Zealand.
1939. *Lepidosira coerulea* Womersley (2190) p. 203; Australia.
1941. *Lepidosira coerulea* Salmon (1676) p. 389, figs. 408–409; New Zealand.
1944. *Lepidosira* (*Lepidocyrtoides*) *coerulea* Uchida (2021) p. 11; Queensland; W. Australia.

Lepidosira congoia Salmon, 1956
TYPE: Mus. Roy. Congo Belge., Tervuren.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1956. *Lepidosira congoia* Salmon (1712) p. 28, figs. 72–80; Ruanda.

Lepidosira glebosa Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidosira glebosa* Salmon (1676) p. 394, Pl. 65, figs. 423–425; New Zealand.

Lepidosira indistincta Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Lepidosira indistincta* Salmon (1675) p. 359, figs. 35–37; New Zealand.

1941. *Lepidosira indistincta* Salmon (1676) p. 388, fig. 407; New Zealand.

1943. *Lepidosira indistincta* Salmon (1680) p. 388; New Zealand.

Lepidosira minima Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Lepidosira minima* Salmon (1675) p. 356, figs. 15–18; New Zealand.

1941. *Lepidosira minima* Salmon (1676) p. 392, figs. 414–416; New Zealand.

Lepidosira minuta Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Lepidosira minuta* Salmon (1675) p. 356, figs. 19–22; New Zealand.

1941. *Lepidosira minuta* Salmon (1676) p. 390, figs. 417–418; New Zealand.

Lepidosira montana Schött, 1925

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.

1925. *Lepidosira montana* Schött (1777) p. 116, figs. 3, 16–18; Nth. Sarawak.

1928. *Mesira montana* Handschin (1001) p. 266; Borneo.

Lepidosira okarita Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Lepidosira okarita* Salmon (1675) p. 360, figs. 32–34; New Zealand.

1941. *Urewera okarita* Salmon (1676) p. 384, figs. 404–405; New Zealand.

Lepidosira omniofusca Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.

1941. *Lepidosira omniofusca* Salmon (1676) p. 391, Pl. 65, figs. 421–422; New Zealand.

***Lepidosira pallida** (Ritter) 1911

1911. *Pseudosira pallida* Ritter (1661) p. 388, figs. 32–34; Ceylon.

Lepidosira punctata Yosii, 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1960. *Lepidosira punctata* Yosii (2408) p. 19, fig. 9; New Caledonia.

Lepidosira rotorua Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Lepidosira rotorua* Salmon (1675) p. 357, figs. 23–26; New Zealand.

1941. *Lepidosira rotorua* Salmon (1676) p. 393, figs. 426–429; New Zealand.

Lepidosira sagmaria (Schött) 1917

PARATYPES: Sth. Austr. Mus., Adelaide.

1917. *Lepidocyrtoides sagmarius* Schött (1774) p. 43, fig. 45; Queensland.

1939. *Lepidosira sagmarius* Womersley (2190) p. 202, fig. 61 D-E; Queensland.

1941. *Lepidosira sagmarius* Salmon (1676) p. 390, figs. 406, 430; New Zealand.

1944. *Lepidosira* (*Lepidocyrtoides*) *sagmaria* Uchida (2021) p. 11; Nth. Queensland.

Lepidosira sexmaculata Salmon, 1938

TYPE: Dominion Mus., Wellington, N.Z.

1938. *Lepidosira sexmaculata* Salmon (1675) p. 358, figs. 29–31; New Zealand.

1941. *Lepidosira sexmaculata* Salmon (1676) p. 393, figs. 412–413; New Zealand.

1958. *Lepidosira sexmaculata* Salmon (1718) p. 708; New Zealand.

Genus: LEPIDOCYRTUS Bourlet, 1839 (259) p. 391.
= *Paidium* Koch, 1840 (1187) p. 356.
= *Acrocyrtus* Yosii, 1959 (2355) p. 23.
= *Discocyrtus* Yosii, 1959 (2355) p. 23.

Type species fixed: *L. curvicollis* Bourlet, by Gisin, 1951 (878) p. 56; by monotypy.

Lepidocyrtus Bourlet, 1839, placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 93, as proposed by Gisin, Opinion 291, 1954 (1100) p. 104.

Lepidocyrtus aeneus (Koch) 1840

1840. *Paidium aeneum* Koch (1187) p. 357; Europe.

1842. *Lepidocyrtus rivularis* Bourlet (261) p. 105; Europe.

1842. *Cyphodeirus aeneus* Nicolet (1493) p. 66, Pl. 7, fig. 4; Europe.

1844. *Lepidocyrtus aeneus* Gervais (841) p. 411; Switzerland.

1844. *Cyphoderus aeneus* Lucas (1327) p. 293; Reference.

1847. *Cyphoderus aeneus* Nicolet (1496) p. 383; Switzerland.

1868. *Lepidocyrtus aeneus* Lubbock (1316) p. 300; England.

1869. *Lepidocyrtus aeneus* Porath (1608) p. 653; Scandinavia.

1871. *Lepidocyrtus aeneus* Tullberg (2002) p. 150; Sweden.

1873. *Lepidocyrtus aeneus* Lubbock (1318) p. 154; Europe; Redescription.

1880. *Lepidocyrtus aeneus* Reuter (1629) p. 206; Scotland.

1888. *Lepidocyrtus aeneus* Parona (1563) p. 140; **Italy.**

1891. *Lepidocyrtus aeneus* Parfitt (1550) p. 336; England.

Lepidocyrtus aequidentatus Denis, 1948

1948. *Lepidocyrtus aequidentatus* Denis (676) p. 246, fig. 22; Indo-China.

Lepidocyrtus agilis (Nicolet) 1842

1842. *Cyphodeirus agilis* Nicolet (1493) p. 66, Pl. 7, fig. 5; Europe.

1844. *Lepidocyrtus agilis* Gervais (841) p. 411; Switzerland.

1844. *Cyphoderus agilis* Lucas 1327 p. 293; Reference.

1847. *Cyphoderus agilis* Nicolet (1496) p. 383; Switzerland.

1878. *Lepidocyrtus agilis* Parona (1557) p. 591; Italy.

1883. *Lepidocyrtus agilis* Parona (1558) p. 462; Italy.

1900. *Lepidocyrtus agilis* Vellay (2056) p. 21; Hungary.

Lepidocyrtus albicans Reuter, 1891

1891. *Lepidocyrtus albicans* Reuter (1639) p. 231; Finland.

1895. *Lepidocyrtus albicans* Reuter (1643) p. 20; Finland.

1898. *Lepidocyrtus albicans* Scherbakow (1750) p. 60; Kiev, Russia.

* After studying Ritter's description of this species I am satisfied that it is a species of *Lepidosira*, and I have reclassified it accordingly.

1899. *Lepidocyrtus albicans* Carl (352) p. 338; **Switzerland.**
1901. *Lepidocyrtus albicans* Krausbauer (1204) p. 78; Germany.
1902. *Lepidosyrtus albicans* Becker (158) p. 30; Russia.
1903. *Lepidocyrtus albicans* Ågren (55) p. 160; Sweden.
1903. *Lepidocyrtus albicans* Guthrie (951) p. 85, Pl. VII, figs. 6a–8; Systematics; Minnesota.
1912. *Lepidocyrtus albicans* Dahl (496) p. 424; Ecology.
1912. *Lepidocyrtus albicans* Schille (2394) p. 129; Poland.
1922. *Lepidocyrtus albicans* Latzel (1250) p. 68; Ostalpen and Karstes.
1933. *Lepidocyrtus albicans* James (1124) p. 109; Canada.
1939. *Lepidocyrtus albicans* Thomas (1969) p. 19; Ecology.

Lepidocyrtus alleganyensis Maynard, 1951

1951. *Lepidocyrtus alleganyensis* Maynard (1393) p. 180, Pl. XIX, figs. 311–314; New York.

Lepidocyrtus ambricus Handschin, 1926

1907. *Palpiger cucullatus* von Olfers (1506) p. 19, fig. 31; Baltic Bernstein.
1907. *Lepidocyrtus curvicollis* von Olfers (1506) p. 22, fig. 49; Baltic Bernstein.
1926. *Lepidocyrtus ambricus* Handschin (994) p. 220, fig. 7; Baltic Bernstein.

Lepidocyrtus americanus Marlatt, 1896

1896. *Lepidocyrtus americanus* Marlatt (1379) p. 219; Washington, D.C.
1896. *Lepidocyrtus americanus* Marlatt (1380) p. 163; America.
1930. *Lepidocyrtus americanus* Mills (1414) p. 392; America.

Lepidocyrtus anglicanus Jackson, 1926

PARATYPE: Zool. Dept., Cambridge Univ., England.
TYPE: Brit. Mus. Nat. Hist., London.
1926. *Lepidocyrtus anglicanus* Jackson (1118) p. 105, fig. 2; England.
1928. *Lepidocyrtus anglicanus* Jackson (1121) p. 303; England.
1948. *Lepidocyrtus anglicanus* Salt *et al.* (1724) p. 144–; Ecology.

Lepidocyrtus annulicornis Carpenter, 1916

LECTOTYPE: Brit. Mus. Nat. Hist., London.
1916. *Lepidocyrtus annulicornis* Carpenter (390) p. 40, Pl. XV, figs. 34–36; Seychelles.
1929. *Lepidocyrtus annulicornis* Handschin (1007) p. 27; Seychelles.
1934. *Lepidocyrtus annulicornis* Womersley (2177) p. 470; Seychelles.

Lepidocyrtus argentatus Bourlet, 1841

1841. *Lepidocyrtus argentatus* Bourlet (261) p. 105; Europe.
1842. *Lepidocyrtus argentatus* Bourlet (265) p. 105; Europe.
1844. *Lepidocyrtus argentatus* Lucas (1327) p. 287.
1845. *Cyphodeirus albinos* Bourlet (266) p. 67; Europe.
1845. *Lepidocyrtus argentatus* Bourlet (266) p. 67; Europe.
1847. *Cyphoderus argentatus* Nicolet (1496) p. 382; France; comparison with *C. gibbulus.*
1862. *Lepidocyrtus argentatus* Lubbock (1315) p. 599, Pl. LIX, figs. 16, 17; England.

Lepidocyrtus assimilis Reuter, 1890

1890. *Lepidocyrtus assimilis* Reuter (1638) p. 25, Pl. I, fig. 5; Finland.
1893. *Lepidocyrtus violaceus* Lubbock (1318) p. 154; Europe.
1893. *Lepidosyrtus cyaneus assimilis* Schött (1765) p. 45, Pl. III, fig. 10; Finland.
1895. *Lepidocyrtus assimilis* Reuter (1643) p. 17; Finland; Sweden; Hungary.
1898. *Lepidocyrtus assimilis* Schäffer (1737) p. 418; Europe; Bismark Archipelago.
1900. *Lepidocyrtus assimilis* Vellay (2056) p. 21; Hungary.
1902. *Lepidocyrtus assimilis* Becker (158) p. 30; Russia.

Lepidocyrtus atropurpureus Packard, 1889

1889. *Lepidocyrtus atropurpureus* Packard (1527) p. 66, Pl. XVI, fig. 3, 3a, 3b; Nth. America.
1891. *Lepidocyrtus atropurpureus* MacGillivray (1341) p. 272; Kentucky.
1933. *Lepidocyrtus atropurpureus* Giovannoli (848) p. 615; Kentucky.
1960. *Lepidocyrtus atropurpureus* Christiansen (2364) p. 41; Nth. America, caves.

Lepidocyrtus aurantiacus Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Lepidocyrtus aurantiacus* Maynard (1393) p. 176, Pl. I, fig. 12, Pl. XIX, figs. 305–307; New York.

Lepidocyrtus aurantiacus rubidus Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Lepidocyrtus aurantiacus rubidus* Maynard (1393) p. 177, Pl. XIX, figs. 308–309; New York.

Lepidocyrtus beaucatcheri (Wray) 1946

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1946. *Entomobrya beaucatcheri* Wray (2198) p. 81, figs. 23–26; Nth. Carolina.

Lepidocyrtus beaucatcheri olforti Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1953. *Lepidocyrtus beaucatcheri olforti* Wray (2208) p. 82; North Carolina.

Lepidocyrtus bipunctatus Packard, 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Lepidocyrtus bipunctatus* Packard (1521) p. 37; Texas.
1891. *Lepidocyrtus bipunctatus* MacGillivray (1341) p. 272; Texas.

Lepidocyrtus boerneri Willem, 1902

1902. *Lepidocyrtus börneri* Willem (2133) p. 281; Belgium.
1931. *Lepidocyrtus börneri* Bonet (205) p. 383; Belgium, in caves.

Lepidocyrtus caeruleicornis Bonet, 1930

1930. *Lepidocyrtus caeruleicornis* Bonet (203) p. 262, fig. 6; India.
1948. *Lepidocyrtus caeruleicornis* Denis (676) p. 254, fig. 24; Indo-China; justification.

Lepidocyrtus caeruleus Ritter, 1911

1911. *Lepidocyrtus caeruleus* Ritter (1661) p. 389, figs. 38–40; Ceylon.
1941. *Lepidocyrtus coeruleus* Denis (668) p. 60.
1948. *Lepidocyrtus coeruleus* Denis (676) p. 258; Indo-China.

Lepidocyrtus candidus (Koch) 1840

1840. *Paidium candidum* Koch (1187) p. 357; Europe.

Lepidocyrtus caprilesi Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.

1953. *Lepidocyrtus caprilesi* Wray (2210) p. 145, 146, fig. 2 A-F; Puerto Rico.

Lepidocyrtus carosus (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1959. *Lepidocyrtus (Acrocyrtus) carosus* Yosii (2355) p. 31, fig. 17; Singapore.

Lepidocyrtus caudatus Carpenter, 1917

1917. *Lepidocyrtus caudatus* Carpenter (391) p. 563, Pl. LV, figs. 10–12; Lower Burma.

Lepidocyrtus cephalopurpurens Harvey, 1894

1894. *Lepidocyrtus cephalopurpurens* Harvey (1030) p. 324, figs. 1–4; North America.

Lepidocyrtus christianseni Goto, 1953

TYPE: Mus. Comp. Zool., Harvard, U.S.A.

1953. *Lepidocyrtus christianseni* Goto (915) p. 30, figs. 1–7; Massachusetts.

1954. *Lepidocyrtus christianseni* Bellinger (174) p. 24; Connecticut.

Lepidocyrtus cinctus Schaeffer, 1898

1898. *Lepidocyrtus cinctus* Schaeffer (1737) p. 421, fig. 39; Bismarck Archipelago.

1913. *Lepidocyrtus cinctus* Börner (251) p. 54; Java.

1925. *Lepidocyrtus cinctus* Handschin (985) p. 266; Java; New Guinea.

1960. *Discocyrtus cinctus* Yosii (2408) p. 25, fig. 14; Solomon Islands.

Lepidocyrtus coeruleocinctus Handschin, 1930

1930. *Lepidocyrtus coeruleocinctus* Handschin (1009) p. 413, Pl. I, fig. 9–11; Philippines.

Lepidocyrtus congolensis Marlier, 1945

1945. *Lepidocyrtus congolensis* Marlier (1377) p. 255, fig. 3; Belgian Congo.

Lepidocyrtus cryptocephalus Handschin, 1929

1929. *Lepidocyrtus cryptocephalus* Handschin (1006) p. 240, figs. 14–16; South India.

Lepidocyrtus cucullatus (Koch) 1840

1840. *Paidium cucullatum* Koch (1187) p. 356; Europe

1922. *Lepidocyrtus cucullatus* Latzel (1250) p. 67; Ostalpen & Karstes.

Lepidocyrtus curvicollis Bourlet, 1839

1839. *Lepidocyrtus curvicollis* Bourlet (259) p. 392, figs. 6, 7.

1841. *Lepidocyrtus curvicollis* Bourlet (261) p. 105, figs. 5, 6; France.

1842. *Cyphodeirus capucinus* Nicolet (1493) p. 64, Pl. 7, fig. 1.

1843. *Cyphodeirus capucinus* Bourlet (265)p. 15, figs. 5, 6; France; Switzerland.

1844. *Lepidocyrtus capucinus* Gervais (841) p. 410, Pl. 51, fig. 6; France.

1844. *Lepidocyrtus curvicollis* Gervais 1844 (841) p. 409, Pl. 51, fig. 6; France.

1844. *Cyphoderus capucinus* Lucas (1327) p. 293; Reference only.

1844. *Lepidocyrtus curvicollis* Lucas (1327) p. 287; List of Records.

1847. *Cyphoderus curvicollis* Nicolet (1496) p. 382, Pl. 6, fig. 13; France; Switzerland.

1869. *Lepidocyrtus curvicollis* MacIntire (1349) p. 203, fig. 6; Scale structure.

1870. *Lepidocyrtus curvicollis* Lubbock (1317) p. 277; Britain.

1870. *Lepidocyrtus curvicollis* MacIntire (1350) p. 4; Scale morphology.

1871. *Lepidocyrtus curvicollis* MacIntire (1351) p. 10; Scales.

1871. *Lepidocyrtus curvicollis* Wenkam (2113) p. 6 (scale structure).

1872. *Lepidocyrtus curvicollis* Anon. (2242) p. 16.

1872. *Lepidocyrtus curvicollis* Beck (154) p. 41.

1872. *Lepidocyrtus curvicollis* McIntire (1352) p. 100; Britain.

1873. *Lepidocyrtus curvicollis* Lubbock (1318) p. 150, Pl. XXV; Europe.

1873. *Lepidocyrtus curvicollis* McIntire (1353) p. 5; Britain.

1875. *Cyphodeirus capucinus* Parona (1556) p. 33; Italy.

1878. *Lepidocyrtus curvicollis* Parona (1557) p. 589; Italy.

1879. *Lepidocyrtus curvicollis* Parona (1557) p. 431; Italy.

1882. *Lepidocyrtus curvicollis* Parona (1558) pp. 457, 402; Italy.

1882. *Lepidocyrtus curvicollis* Tomosvary (1983) p. 119; Hungary.

1883. *Lepidocyrtus curvicollis* Parona (1558) p. 457; Italy.

1884. *Lepidocyrtus curvicollis* Parona (1559) p. 430; Synonyms; Tunisia.

1888. *Lepidocyrtus curvicollis* Parona (1563) p. 140; Italy.

1890. *Lepidocyrtus neglectus* Moniez (1444) p. 430; France.

1890. *Lepidocyrtus curvicollis* Uzel (2050) p. 52; Bohemia.

1891. *Lepidocyrtus curvicollis* Parfitt (1550) p. 335; England.

1891. *Lepidocyrtus curvicollis* Uzel (2051) p. 920; Helgoland.

1895. *Lepidocyrtus curvicollis* Dalla Torre (498) p. 12; Systematics.

1897. *Lepidocyrtus curvicollis* Maddox (1366) p. 194; Morphology; systematic.

1898. *Lepidocyrtus curvicollis* Scherbakow (1750) p. 60; Kiev, Russia.

1899. *Lepidocyrtus curvicollis* Carpenter & Evans (402) p. 238; Scotland.

1900. *Lepidocyrtus curvicollis* Schäffer (1739) p. 272; Germany.

1900. *Lepidocyrtus curvicollis* Vellay (2056) p. 21; Hungary.

1901. *Lepidocyrtus curvicollis* Bryan (556) p. 152; England, in cellars, figs. (scales).

1906. *Lepidocyrtus curvicollis* Lie-Pettersen (1284) p. 69, figs. 6 and 7; Norway.

1906. *Lepidocyrtus curvicollis* Navas (1483) p. 166; Spain.

1906. *Lepidocyrtus curvicollis* de Pitarque (1596) p. 97; Bolivia.

1907. *Lepidocyrtus curvicollis* Börner (244) p. 164; Africa.

1908. *Lepidocyrtus curvicollis* Foster (814) p. 23; England.

1910. *Lepidocyrtus curvicollis* Bagnall (102) p. 504; Britain.

1910. *Lepidocyrtus curvicollis* Collinge (464) p. 11; England.

1910. *Lepidocyrtus curvicollis* Collinge & Shoebotham (472) p. 115; England.
1916. *Lepidocyrtus curvicollis* Carr (407) p. 65; England.
1917. *Lepidocyrtus curvicollis* Cameron (346) p. 50; Cheshire soils.
1918. *Lepidocyrtus curvicollis* Brown (296) p. 186; England.
1921. *Lepidocyrtus curvicollis* Denis (607) p. 130, fig. 2; Note; France.
1922. *Lepidocyrtus curvicollis* Denis (609) p. 112; *Ile* De Yeu, France.
1922. *Lepidocyrtus curvicollis* Latzel (1250) p. 67; Ostalpen & Karstes.
1922. *Lepidocyrtus curvicollis* Stach (1860) p. 35; discussion and descr.; Hungary.
1923. *Lepidocyrtus curvicollis* Denis (611) p. 230; discusses *L. neglectus* Moniez.
1923. *Lepidocyrtus curvicollis* Stach (1863) p. 12; Germany.
1923. *Lepidocyrtus curvicollis* Womersley (2147) p. 34; S.W. England.
1924. *Lepidocyrtus curvicollis* Denis (614) p. 293; France.
1925. *Lepidocyrtus curvicollis* Denis (617) p. 212; Italy.
1926. *Lepidocyrtus curvicollis* Handschin (990) p. 123; Algeria.
1926. *Lepidocyrtus curvicollis* Handschin (1005) p. 6; Algeria.
1927. *Lepidecyrtus curvicollis* Womersley (2155) p. 40; Savernake Forest.
1929. *Lepidocyrtus curvicollis* Handschin (1008) p. 86; Europe; North Africa.
1930. *Lepidocyrtus curvicollis* Stach (1869) p. 298; Europe; Tunis.
1930. *Lepidocyrtus curvicollis* Stach (1870) p. 64; Spain.
1931. *Lepidocyrtus curvicollis* Bonet (205) p. 315, fig. IX; Descr.; Europe; North Africa.
1931. *Lepidocyrtus curvicollis* Bonet (205) p. 383; Germany, Hungary; Spain, in caves.
1931. *Lepidocyrtus curvicollis* Denis (639) p. 224; Germany; list of references.
1932. *Lepidocyrtus curvicollis* Denis (643) p. 341; Berne.
1932. *Lepidocyrtus curvicollis* Maynard (1391) p. 220; New York.
1933. *Lepidocyrtus curvicollis* Turk (2007) p. 94; Britain.
1934. *Lepidocyrtus curvicollis* Durkop (707) p. 507; Germany.
1934. *Lepidocyrtus curvicollis* Mills (1417) p. 73, figs. 9, 120, 121; Iowa.
1934. *Lepidocyrtus curvicollis* Womersley (2177) p. 470; Europe; Algeria.
1935. *Lepidocyrtus curvicollis* Griepenburg (942) p. 22; Germany.
1935. *Lepidocyrtus curvicollis* Pax & Maschke (1573) p. 51; Europe.
1935. *Lepidocyrtus curvicollis* Schubert (1790) p. 97; Europe.
1935. *Lepidocyrtus curvicollis* Schubert (1791) p. 206, p. 371; Germany.
1936. *Lepidocyrtus curvicollis* Pax and Maschke (1574) p. 139; Ecology.
1937. *Lepidocyrtus curvicollis* Denis (663) p. 54; Italy; caves.
1937. *Lepidocyrtus curvicollis* Drenowski (695) p. 3; Bulgaria.
1937. *Lepidocyrtus curvicollis* Kseneman (1217) p. 471; Carpathians.
1937. *Lepidocyrtinus curvicollis* Weidner (2107) p. 19; Central Europe.
1938. *Lepidocyrtus curvicollis* Denis (665) p. 128; Italy.
1938. *Lepidocyrtus curvicollis* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1939. *Lepidocyrtus curvicollis* Agrell (41) p. 5; Madeira Is. Dist. Europe; North Africa.
1939. *Lepidocyrtus curvicollis* Agrell (44) p. 168.
1939. *Lepidocyrtus curvicollis* Strouhal (1931) p. 263; Ecology.
1940. *Lepidocyrtus curvicollis* Strouhal (1932) p. 410; Ecology.
1941. *Lepidocyrtus curvicollis* Griepenburg (946) p. 76; Germany.
1942. *Lepidocyrtus curvicollis* Caspers (408) p. 150; Helgoland I.
1942. *Lepidocyrtus curvicollis* Marlier (1375) p. 9; Belgium.
1942. *Lepidocyrtus curvicollis* Muhlmann (1467) p. 209; Europe.
1942. *Lepidocyrtus curvicollis* Scott (1796) p. 182; West U.S.A.
1943. *Lepidocyrtus curvicollis* Agrell (47) p. 126; Sweden.
1943. *Lepidocyrtus curvicollis* Gisin (853) p. 170; Switzerland.
1943. *Lepidocyrtus curvicollis* Tarsia in Curia (1956) p. 57, fig. 9, I; Italy, caves.
1945. *Lepidocyrtus curvicollis* Backlund (86) p. 42; habitat; locality; a note on form.
1948. *Lepidocyrtus curvicollis* Gisin (867) p. 84; Switzerland.
1949. *Lepidocyrtus curvicollis* Janetschek (1127) pp. 42, 135–143; E.
1950. *Lepidocyrtus curvicollis* Gisin (876) p. 94; Italy, caves.
1951. *Lepidocyrtus curvicollis* Cassagnau & Delamare Deboutteville (593) p. 2; Mid France.
1951. *Lepidocyrtus curvicollis* Del. Deb. & Gisin (596) p. 85; Italy, caves.
1951. *Lepidocyrtus curvicollis* Del. Deb. & Gisin (597) p. 135; Italy, caves.
1951. *Lepidocyrtus curvicollis* Gisin (878) p. 56; Nomenclature.
1951. *Lepidocyrtus curvicollis* Maynard (1393) p. 174, Pl. XVIII, 299; New York.
1951. *Lepidocyrtus curvicollis* Stach (1889) p. 57, fig. 26.
1951. *Lepidocyrtus curvicollis* Wilkey (2120) p. 79; Colorado.
1952. *Lepidocyrtus curvicollis* Del. Deb. (581) p. 76; Mediterranean region.
1952. *Lepidocyrtus curvicollis* Gisin (882) p. 21, fig. 8; compares with *L. lanuginosus.*
1953. *Lepidocyrtus curvicollis* Hazelton & Glennie (1037) p. 273; Britain.
1953. *Lepidocyrtus curvicollis* Weidner (2108) p. 34; Central Europe.
1954. *Lepidocyrtus curvicollis* Bellinger (174) p. 24; Connecticut.
1954. *Lepidocyrtus* (*Lepidocyrtus*) *curvicollis* Int. Comm (1100) p. 105; proposed official specific name.
1954. *Lepidocyrtus curvicollis* Travé (2000) p. 211; France.
1954. *Lepidocyrtus curvicollis* Yosii (2231) p. 805; Europe; North America; Japan.
1955. *Lepidocyrtus curvicollis* Chopard (434) p. 23, Pl. 1, fig. 15.
1955. *Lepidocyrtus curvicollis* Goto (921) p. 268; Britain.

1955. *Lepidocyrtus curvicollis* Gridelli (938) p. 44; Venice.
1955. *Lepidocyrtus curvicollis* Lengersdorf (1277) p. 168; Cave Collembola.
1955. *Lepidocyrtus curvicollis* Pallissa (1545) p. 482; Ecology.
1955. *Lepidocyrtus curvicollis* Stach (1893) p. 156; Europe.
1956. *Lepidocyrtus curvicollis* Bockemuhl (193) p. 144; Spitzbergen.
1956. *Lepidocyrtus curvicollis* Paclt (1541) p. 121.
1956. *Lepidocyrtus curvicollis* Stevanovic (1903) p. 4; Yugoslavia.
1956. *Lepidocyrtus curvicollis* Yosii (2235) p. 73, Pl. XXXIX, fig. 224, Pl. XL, fig. 231; Japan.
1957. *Lepidocyrtus curvicollis* Gisin (898) p. 110; Switzerland.
1957. *Lepidocyrtus curvicollis* Paclt (1543) p. 5; Europe.
1957. *Lepidocyrtus curvicollis* Paclt (1544) p. 272; Czechoslovakia.
1958. *Lepidocyrtus curvicollis* Grindbergs (2276) p. 76; Latvia.
1958. *Lepidocyrtus curvicollis* Grindbergs (2277) p. 200; Latvia.
1958. *Lepidocyrtus* (*Lepidocyrtus*) *curvicollis* Int. Comm. (2378) p. 25; listed Official Specific Name.
1958. *Lepidocyrtus curvicollis* Miles (1412) p. 638; Wales.
1958. *Lepidocyrtus curvicollis* Nosek (1503) p. 357; Czechoslovakia.
1958. *Lepidocyrtus curvicollis* Palissa (2318) p. 467; Germany.
1958. *Lepidocyrtus curvicollis* von Torne (1993) p. 670; Austria.
1959. *Lepidocyrtus curvicollis* Da Gama (494) p. 33; Madeira.
1959. *Lepidocyrtus curvicollis* Haybach (2375) Tab. VIII; Ecology.
1959. *Lepidocyrtus curvicollis* Lawrence (2294) p. 118; England.
1959. *Lepidocyrtus curvicollis* Palissa (2319) p. 278; Ecology.
1959. *Lepidocyrtus curvicollis* Stach (1896) p. 47; Poland.
1959. *Lepidocyrtus curvicollis* Steiner (2343) p. 467; Spain.
1959. *Lepidocyrtus curvicollis* Strebel (2344) p. 92; Germany.
1959. *Lepidocyrtus curvicollis* Wilkey (2350) p. 224; California.
1959. *Lepidocyrtus* (*s. str.*) *curvicollis* Yosii (2355) p. 23, fig. 12; Belgium.
1960. *Lepidocyrtus curvicolis* Gisin (2271) p. 240, fig. 439; Europe.
1960. *Lepidocyrtus curvicollis* Grindbergs (2373) p. 52; U.S.S.R.
1960. *Lepidocyrtus curvicollis* Palissa (2319) p. 387; Systematics and Ecology.

Lepidocyrtus curvicollis achromatis Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Lepidocyrtus curvicollis achromatis* Maynard (1393) p. 174; New York.

Lepidocyrtus curvicollis cyaneipes Schille, 1908

1908. *Lepidocyrtus curvicollis cyaneipes* Schille (1755) p. 12; Poland.
1912. *Lepidocyrtus curvicollis cyaneipes* Schille (1756) p. 14, figs. a, b; Poland.
1912. *Lepidocyrtus curvicollis cyaneipes* Schille (2394) p. 129; Poland.

Lepidocyrtus curvicollis fuscicans Latzel, 1922

1922. *Lepidocyrtus curvicollis fuscicans* Latzel (1250) p. 67; Austrian Alps.

Lepidocyrtus curvicollis oribates Latzel, 1922

1922. *Lepidocyrtus curvicollis oribates* Latzel (1250) p. 68; Austrian Alps.

Lepidocyrtus curvicollis semiviolaceus Latzel, 1922

1922. *Lepidocyrtus curvicollis semiviolaceus* Latzel (1250) p. 67; Austria.

Lepidocyrtus cyaneus Tullberg, 1871

1871. *Lepidocyrtus cyaneus* Tullberg (2002) p. 150; Sweden.
1872. *Lepidocyrtus cyaneus* Tullberg (2003) p. 39, Pl. VI, figs. 8–11; Sweden.
1873. *Lepidocyrtus purpureus* Lubbock (1318) p. 155, Pl. XXX; England.
1873. *Lepidocyrtus violaceus* Lubbock (1318) p. 154, Pl. XXVIII; Description, England.
1873. *Lepidocyrtus metallicus* Packard (1521) p. 36; Maine; Massachusetts.
1876. *Lepidocyrtus cyaneus* Reuter (1628) p. 81; Finland.
1876. *Lepidocyrtus cyaneus* Tullberg (2004) pp. 33, 42; Siberia; Sweden.
1880. *Lepidocyrtus cyaneus* Reuter (1629) p. 206; Scotland.
1882. *Lepidocyrtus violaceus* Parona (1558) p. 453–; Italy.
1887. *Lepidocyrtus purpureus* Oudemans (1510) p. 98; Holland.
1887. *Lepidocyrtus violaceus* Oudemans (1510) p. 98; Holland.
1888. *Lepidocyrtus violaceus* Parona (1563) p. 133–; Italy.
1890. *Lepidocyrtus assimilis* Reuter (1638) p. 25, Pl. I, fig. 5; Finland.
1890. *Lepidocyrtus pallidus* Reuter (1638) p. 24, Pl. I, fig. 4; Finland.
1890. *Lepidocyrtus purpureus* Reuter (1638), p. 24; Finland.
1890. *Lepidocyrtus purpureus* Uzel (2050) p. 51; Bohemia.
1890. *Lepidocyrtus violaceus* Uzel (2050) p. 51; Bohemia.
1891. *Lepidocyrtus metallicus* MacGillivray (1341) p. 272; U.S.A.
1891. *Lepidocyrtus cyaneus* Moniez (1447) p. 69; France.
1891. *Lepidocyrtus purpureus* Parfitt (1550) p. 336; England.
1891. *Lepidocyrtus violaceus* Uzel (2051) p. 919; Helgoland.
1893. *Lepidocyrtus pallidus* Schött (1764) p. 14; Cameroons.
1893. *Lepidocyrtus cyaneus* Schött (1765) p. 46; Sweden.
1893. *Lepidocyrtus cyaneus pallidus* Schött (1765) p. 46; Finland.
1893. *Lepidocyrtus cyaneus assimilis* Schött (1765) p. 45, Pl. III, fig. 10; Finland.
1895. *Lepidocyrtus cyaneus* Dalla Torre (498) p. 1–; Systematics.
1895. *Lepidocyrtus cyaneus assimilis* Dalla Torre (498) p. 1–; Systematics.
1895. *Lepidocyrtus assimilis* Reuter (1643) p. 17; Finland; Sweden; Hungary.

1895. *Lepidocyrtus pallidus* Reuter (1643) p. 18; Finland; Cameroons.
1895. *Lepidocyrtus purpureus* Reuter (1643) p. 18; Finland; Sweden; England; Hungary; Bohemia.
1896. *Lepidocyrtus cyaneus* Lie-Pettersen (1281) p. 13; Norway.
1896. *Lepidocyrtus pallidus* Lie-Pettersen (1281) p. 13; Norway.
1896. *Lepidocyrtus elegantulus* Meinert (1399) p. 168; Greenland.
1896. *Lepidocyrtus cyaneus* Schaffer (1735) p. 202; Germany.
1897. *Lepidocyrtus cyaneus* Poppe & Schaffer (1607) p. 271; Germany.
1898. *Lepidocyrtus cyaneus* Lie-Pettersen (1282) p. 9; Norway.
1898. *Lepidocyrtus assimilis* Schäffer (1737) p. 418; Europe; Bismarck Archipelago.
1898. *Lepidocyrtus cyaneus* Scherbakow (1750) p. 59; Kiev, Russia.
1898. *Lepidocyrtus cyaneus* Scherbakow (1751) p. 1–; Kiev, Russia.
1899. *Lepidocyrtus cyaneus* Carl (351) p. 3; France.
1899. *Lepidocyrtus cyaneus* Carl (352) p. 339; Switzerland.
1899. *Lepidocyrtus cyaneus* Carpenter & Evans (402) p. 240; Scotland.
1900. *Lepidocyrtus cyaneus* Carl (353) p. 4; Roumania.
1900. *Lepidocyrtus cyaneus* Schäffer (1738) p. 250; N.W. and N.E. Siberia; Greenland.
1900. *Lepidocyrtus cyaneus* Schäffer (1739) p. 271; Germany.
1901. *Lepidocyrtus cyaneus* Börner (234) p. 72, fig. 30; Central Europe.
1901. *Lepidocyrtus cyaneus* Boyd (268) p. 317; Scotland.
1901. *Lepidocyrtus cyaneus* Carl (354) p. 268; Switzerland.
1901. *Lepidocyrtus cyaneus* Evans (739) p. 155; Scotland.
1901. *Lepidocyrtus cyaneus* Evans (740) p. 152; Scotland.
1901. *Lepidocyrtus cyaneus* Krausbauer (1204) p. 79; Germany.
1902. *Lepidocyrtus cyaneus* Krausbauer (1205) p. 1–; Germany.
1902. *Lepidocyrtus cyaneus* Schött (1772) p. 31; Sweden.
1902. *Lepidocyrtus cyaneus* Voights (2067) p. 524; Germany.
1903. *Lepidocyrtus cyaneus* Ågren (55) p. 159; Sweden.
1903. *Lepidocyrtus cyaneus* Diem (688) p. 359; Ecology.
1903. *Lepidocyrtus purpureus* Guthrie (951) p. 87, Pl. VII, figs. 9–12; Minnesota.
1904. *Lepidocyrtus cyaneus* Ågren (56) p. 25; Lapland.
1904. *Lepidocyrtus cyaneus* Axelson (78) p. 8; Siberia.
1904. *Lepidocyrtus cyaneus* Axelson (79) p. 77; Norway.
1905. *Lepidocyrtus cyaneus* Axelson (81) p. 39; Tvärminne, Finland.
1906. *Lepidocyrtus cyaneus* Axelson (82) p. 18; Revals, Russia.
1906. *Lepidocyrtus vicarius* Börner (243) p. 175; Japan.
1906. *Lepidocyrtus cyaneus* Lie-Pettersen (1284) p. 71; Norway.
1906. *Lepidocyrtus cyaneus* Wahlgren (2080) p. 263; Sweden.
1906. *Lepidocyrtus cyaneus pallidus* Wahlgren (2081) p. 14; Cairo.
1907. *Lepidocyrtus cyaneus* Axelson (83) p. 132; Finland.
1907. *Lepidocyrtus cyaneus* Carpenter (378) p. 54; Lambay Island.
1907. *Lepidocyrtus cyaneus* Wahlgren (2082) p. 226; Norway.
1908. *Lepidocyrtus cyaneus* Schille (1755) p. 14; Poland.
1908. *Lepidocyrtus cyaneus assimilis* Wahlgren (2086) p. 4; Kilimanjaro.
1909. *Lepidocyrtus cyaneus* Shoebotham (1818) p. 58; Gen. Economics.
1910. *Lepidocyrtus cyaneus* Collinge & Shoebotham (472) p. 116; England.
1911. *Lepidocyrtus cyaneus* Axelson (1291) p. 23; Norway.
1912. *Lepidocyrtus cyaneus* Axelson (1292) p. 225; Discussion; Finland.
1912. *Lepidocyrtus pallidus* Axelson (1292) p. 227; Finland.
1912. *Lepidocyrtus cyaneus* Schille (1756) p. 14; Poland.
1913. *Lepidocyrtus cyaneus* Carpenter (388) p. 9; Clare I., Ireland.
1914. *Lepidocyrtus cyaneus* Shoebotham (1820) p. 63; Ireland.
1916. *Lepidocyrtus cyaneus* Batholin (149) p. 196; Denmark.
1916. *Lepidocyrtus cyaneus* Carr (407) p. 65; England.
1917. *Lepidocyrtus cyaneus* Shoebotham (1823), p. 222; England.
1918. *Lepidocyrtus cyaneus* Brown (296) p. 186; England.
1918. *Lepidocyrtus cyaneus* Henriksen & Lundbeck (1044) p. 737; Greenland.
1919. *Lepidocyrtus cyaneus* Folsom (791) p. 14, Pl. 7, figs. 64–66; Description; Alaska.
1919. *Lepidocyrtus cyaneus* Handschin (977) p. 84; Europe; North America; Cameroons.
1919. *Lepidocyrtus cyaneus* Wahlgren (2089) p. 751; Sweden.
1920. *Lepidocyrtus cyaneus* Morris (1454) p. 147; Ecology.
1920. *Lepidocyrtus cyaneus* Stach (1859) p. 182; Poland.
1921. *Lepidocyrtus cyaneus* Brown (301) p. 143; Isle of Wight.
1921. *Lepidocyrtus cyaneus* Denis (607) p. 130; France.
1922. *Lepidocyrtus cyaneus* Latzel (1250) p. 68; Austria.
1922. *Lepidocyrtus cyaneus* Morris (1456) p. 288; Ecology.
1922. *Lepidocyrtus cyaneus* Stach (1860) p. 35; Hungary.
1922. *Lepidocyrtus cyaneus* Stach (1861) p. 124; Hungary.
1923. *Lepidocyrtus cyaneus* Stach (1863) p. 12; Taxonomy.
1923. *Lepidocyrtus cyaneus* Womersley (2147) p. 34; S.W. England.
1924. *Lepidocyrtus cyaneus* Denis (614) p. 293; France.
1924. *Lepidocyrtus cyaneus* Folsom (797) p. 9, figs. 24–27 (var. *cinereus nov.*) New York.
1924. *Lepidocyrtus cyaneus* Handschin (981) p. 139; Switzerland.
1925. *Lepidocyrtus cyaneus* Denis (617) p. 212; Italy.
1925. *Lepidocyrtus cyaneus* Toedoro (1959) p. 125; Italy.
1926. *Lepidocyrtus anglicanus* Jackson (1118) p. 105, fig. 2; England.
1926. *Lepidocyrtus cyaneus* Stirnimann (1907) p. 252; Ecology.
1927. *Lepidocyrtus cyaneus* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Lepidocyrtus cyaneus* Morris (1457) p. 446; Ecology.

1927. *Lepidocyrtus cyaneus* Womersley (2154) p. 377; S.W. England.
1927. *Lepidocyrtus cyaneus* Womersley (2155) p. 40; Savernake Forest, England.
1928. *Lepidocyrtus cyaneus* Handschin (1002) p. 543; Mexico.
1928. *Lepidocyrtus cyaneus* Handschin (1003) p. 131; East Prussia.
1928. *Lepidocyrtus cyaneus* Handschin (1005) p. 7; Algeria.
1928. *Lepidocyrtus cyaneus* Jackson (1121) p. 303; Britain.
1928. *Lepidocyrtus cyaneus* Krausse (1206) p. 118; Ecology.
1928. *Lepidocyrtus cyaneus* Remy (1625) p. 67; Greenland.
1929. *Lepidocyrtus cyaneus* Handschin (1007) p. 19; Abyssinia; Egypt; Kilimanjaro.
1929. *Lepidocyrtus cyaneus* Handschin (1008) p. 86; Cosmopolitan.
1929. *Lepidocyrtus cyaneus* Kel'schtein (1160) p. 246; Russia.
1929. *Lepidocyrtus cyaneus* Thomas (1966) p. 224; Ecology.
1930. *Lepidocyrtus cyaneus* Buitendijk (334) p. 66; Holland.
1930. *Lepidocyrtus cyaneus* Kel'schtein (1161) p. 76; Russia.
1930. *Lepidocyrtus cyaneus* Stach (1869) p. 297; Europe; Nth. America; Greenland; Africa; Asia.
1930. *Lepidocyrtus cyaneus* Womersley (2168) p. 188; England.
1931. *Lepidocyrtus cyaneus* Denis (639) p. 225; Germany.
1931. *Lepidocyrtus cyaneus* Lindroth (1286) p. 134; Iceland.
1931. *Lepidocyrtus cyaneus* Thomas (1967) p. 6–, Pl. 5; mushroom pest.
1932. *Lepidocyrtus cyaneus* Folsom (801) p. 68; Hawaii.
1932. *Lepidocyrtus cyaneus* Kseneman (1211) p. 21; Czechoslovakia.
1932. *Lepidocyrtus cyaneus* Brown (312) p. 339; Arctic.
1932. *Lepidocyrtus cyaneus* Krogerns (1210) p. 93; Finland.
1933. *Lepidocyrtus cyaneus* Denis (644) p. 211; Yugoslavia.
1933. *Lepidocyrtus cyaneus* Folsom (802) p. 937; Agric. pest.
1933. *Lepidocyrtus cyaneus* James (1124) p. 108; Canada.
1933. *Lepidocyrtus cyaneus* Mills & Rolfs (1431) p. 82; Washington.
1933. *Lepidocyrtus cyaneus* Schubert (1787) p. 187; Ecology.
1933. *Lepidocyrtus cyaneus* Turk (2007) p. 94; Britain.
1934. *Lepidocyrtus cyaneus* Agrell (37) p. 229; Ecology; Sweden.
1934. *Lepidocyrtus cyaneus* Durkop (707) p. 507; Scandinavia; Germany.
1934. *Lepidocyrtus cyaneus* Mills (1417) p. 72; Iowa.
1934. *Lepidocyrtus cyaneus* Schubert (1788) p. 528; in a marsh.
1934. *Lepidocyrtus cyaneus* Volz (2069) p. 171; Ecology.
1934. *Lepidocyrtus cyaneus* Womersley (2177) p. 469; Cosmopolitan; Europe; Egypt; Kilimanjaro; Abyssinia; Algeria.
1934. *Lepidocyrtus cyaneus* Womersley (2178) p. 122; Australia.
1935. *Lepidocyrtus cyaneus* Denis (652) p. 331; Yugoslavia.
1935. *Lepidocyrtus cyaneus* Pax & Maschke (1573) p. 12–; Europe.
1935. *Lepidocyrtus cyaneus* Schubert (1790) p. 94; Europe.
1935. *Lepidocyrtus cyaneus* Schubert (1791) pp. 105–, 213–, 369–; Germany.
1935. *Lepidocyrtus cyaneus* Schubert (1791) p. 230; Poland.
1936. *Lepidocyrtus cyaneus* Denis (660) p. 267; Yugoslavia.
1936. *Lepidocyrtus cyaneus* Nordberg (1500) p. 34–; Ecology.
1936. *Lepidocyrtus cyaneus* Pax & Maschke (1574) p. 162; Ecology.
1937. *Lepidocyrtus cyaneus* Brown (316) p. 519; W. Greenland.
1937. *Lepidocyrtus cyaneus* Drenowski (695) p. 3; Bulgaria.
1937. *Lepidocyrtus cyaneus* Ford (811) p. 103–; Ecology.
1937. *Lepidocyrtus cyaneus* Kseneman (1217) p. 471; Carpathians.
1937. *Lepidocyrtus cyaneus* Schubert (1792) p. 127; Cosmopolitan.
1937. *Lepidocyrtinus cyaneus* Weidner (2107) p. 19; Central Europe.
1938. *Lepidocyrtus cyaneus* Brimley (275) p. 16; North Carolina.
1938. *Lepidocyrtus cyaneus* Denis (665) p. 128; Italy.
1938. *Lepidocyrtus cyaneus* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Lepidocyrtus cyaneus* Kseneman (1220) p. 18; Cosmopolitan.
1938. *Lepidocyrtus cyaneus* Lengersdorf (1276) p. 146; Germany.
1938. *Lepidocyrtus cyaneus* Mills (1421) p. 16; North Carolina.
1938. *Lepidocyrtus cyaneus* Strebel (1917) p. 117; Germany; Ecology.
1939. *Lepidocyrtus cyaneus* Mills (1422) p. 159; North America.
1939. *Lepidocyrtus cyaneus* Thomas (1969) p. 19; Ecology.
1939. *Lepidocyrtus cyaneus* Womersley (2190) p. 201; Australia.
1941. *Lepidocyrtus cyaneus* Buitendijk (336) p. 62; Netherlands; Cosmopolitan.
1941. *Lepidocyrtus cyabeus* Griepenburg (945) p. 57; Germany.
1941. *Lepidocyrtus cyaneus* Kevan (1164) p. 249; Britain.
1941. *Lepidocyrtus cyaneus* Szent-Ivany (1947) p. 22; Hungary.
1941. *Lepidocyrtus cyaneus* Tarsia in Curia (1955) p. 265; Italy.
1942. *Lepidocyrtus cyaneus* (near *aenescens*) Brimley (276) p. 4; North Carolina.
1942. *Lepidocyrtus cyaneus* Caspers (408) p. 150; Helgoland I.
1942. *Lepidocyrtus violaceus* Caspers (408) p. 150; Helgoland I.
1942. *Lepidocyrtus cyaneus* Marlier (1375) p. 9; Belgium.
1942. *Lepidocyrtus cyaneus* Muhlmann (1467) p. 199–; Europe.
1942. *Lepidocyrtus cyaneus* Scott (1796) p. 186; West U.S.A.
1942. *Lepidocyrtus cyaneus* Yosii (2227) p. 492, fig. 15; Japan.

1943. *Lepidocyrtus cyaneus* Agrell (47) p. 125; Sweden.
1943. *Lepidocyrtus cyaneus* Gisin (853) p. 170; Switzerland.
1944. *Lepidocyrtus cyaneus* Gisin (855) p. 29; Differential diagnosis.
1944. *Lepidocyrtus cyaneus* Tuxen (2010) p. 143; Iceland.
1945. *Lepidocyrtus cyaneus* Agrell (50) p. 10; Sweden, Talpa and Arvicola nests.
1945. *Lepidocyrtus cyaneus* Agrell (50) p. 10; Sweden, mouse nests.
1945. *Lepidocyrtus cyaneus* Agrell (50) p. 11; Norway, mouse nests.
1945. *Lepidocyrtus cyaneus* Agrell (50) p. 11; Finland, birds' nests.
1948. *Lepidocyrtus cyaneus* Franz & Beier (281) p. 452–; Ecology.
1948. *Lepidocyrtus cyaneus* Salt *et. al.* (1724) p. 144–; Ecology.
1948. *Lepidocyrtus cyaneus* Spencer (1851) p. 22; Canada.
1948. *Lepidocyrtus cyaneus* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1948. *Lepidocyrtus cyaneus* Zimmerman (2237) p. 61, fig. 27 a-d; Hawaii.
1949. *Lepidocyrtus cyaneus* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Lepidocyrtus cyaneus* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Lepidocyrtus cyaneus* Delamare Deboutteville (570) pp. 44, 281; France; Cosmopolitan.
1950. *Lepidocyrtus cyaneus* Wray (2216) p. 63; Utah.
1951. *Lepidocyrtus cyaneus* Gisin (877) p. 85; Switzerland.
1951. *Lepidocyrtus cyaneus* Maynard (1393) p. 181, Pl I, fig. 13, Pl. XIX, figs. 318–321; Description; New York.
1951. *Lepidocyrtus cyaneus* Praport (1610) p. 143; Poland.
1951. *Lepidocyrtus cyaneus* Schaller (1746) p. 463; Ecology.
1951. *Lepidocyrtus cyaneus* Wilkey (2120) p. 79; Colorado.
1952. *Lepidocyrtus cyaneus* Baudissin (152) p. 54–; Ecology.
1952. *Lepidocyrtus cyaneus* Macfadyen (1337) p. 110; England, a fen.
1952. *Lepidocyrtus cyaneus* Massera (1382) p. 30; Italy, caves.
1952. *Lepidocyrtus cyaneus* Mihelcic (1406) p. 96; Ecology.
1953. *Lepidocyrtus cyaneus* Franz (819) p. 456–; Gen. Economics.
1953. *Lepidocyrtus cyaneus* Hazelton & Glennie (1037) p. 273; Britain.
1953. *Lepidocyrtus cyaneus* Hicks (1059) p. 15; Ecology.
1953. *Lepidocyrtus cyaneus* Weidner (2108) p. 34; Central Europe.
1953. *Lepidocyrtus cyaneus* Yosii (2229) p. 69; Japan.
1954. *Lepidocyrtus cyaneus* Yosii (2231) p. 805; Japan.
1954. *Lepidocyrtus cyaneus* Strenzke (1925) p. 57; Germany.
1954. *Lepidocyrtus cyaneus* Bellinger (174) p. 24; Connecticut.
1955. *Lepidocyrtus cyaneus* Chopard (434) p. 23; France.
1955. *Lepidocyrtus cyaneus* Goto (918) p. 32; British Isles.
1955. *Lepidocyrtus cyaneus* Goto (921) p. 268; Britain.
1955. *Lepidocyrtus cyaneus* Gridelli (938) p. 43; Venice.
1955. *Lepidocyrtus cyaneis* Stach (1893) p. 155, figs. 470–472; Holarctic.
1955. *Lepidocyrtus cyaneus* Strenzke (1926) p. 47; Europe.
1955. *Lepidocyrtus cyaneus* Uchida (2034) p. 200; Japan.
1956. *Lepidocyrtus cyaneus* Bockemuhl (193) p. 144; Spitzbergen.
1956. *Lepidocyrtus cyaneus* Gisin (895) p. 12; Geneva.
1956. *Lepidocyrtus cyaneus* Goto (926) p. 9; Outer Hebrides.
1956. *Lepidocyrtus cyaneus* Grindbergs (2275) p. 12; Latvia.
1956. *Lepidocyrtus cyaneus* Paclt (1541) pp. 12, 125.
1956. *Lepidocyrtus cyaneus* Wray & Knowlton (2214) p. 4; Idaho.
1957. *Lepidocyrtus cyaneus* Bodvarsson (2252) p. 32; Iceland.
1957. *Lepidocyrtus cyaneus* Gunhold (2280) p. 467; Ecology.
1957. *Lepidocyrtus cyaneus* Haarlov (2281) p. 14; Denmark, habitat.
1957. *Lepidocyrtus cyaneus* Pschorn-Walcher & Gunhold (2322) p. 347; Ecology.
1957. *Lepidocyrtus cyaneus* Strebel (1920) p. 470.
1958. *Lepidocyrtus cyaneus* Grindbergs (2276) p. 76; Latvia.
1958. *Lepidocyrtus cyaneus* Grindbergs (2277) p. 200; Latvia.
1958. *Lepidocyrtus cyaneus* Holler-Land (2283) p. 110; Ecology.
1958. *Lepidocyrtus cyaneus* Kholova (1169) p. 235; Bohemia.
1958. *Lepidocyrtus cyaneus* Mrohs (1463) p. 330–; Ecology.
1958. *Lepidocyrtus cyaneus* Nosek (1503) p. 358–; Czechoslovakia.
1958. *Lepidocyrtus cyaneus* Miles (1412) p. 638; Wales.
1958. *Lepidocyrtus cyaneus* Salmon (1718) p. 708; N.Z.
1958. *Lepidocyrtus cyaneus* Uchida (2044) p. 14; Japan.
1958. *Lepidocyrtus cyaneus* von Torne (1993) p. 670; Austria.
1959. *Lepidocyrtus cyaneus* Holler-Land (2284) p. 427; Germany; Ecology.
1959. *Lepidocyrtus cyaneus* Paclt (2316) p. 48; S. Africa.
1959. *Lepidocyrtus cyaneus* Paclt (2317) p. 341; Czechoslovakia; Cosmopolitan.
1959. *Lepidocyrtus cyaneus* Stach (1896) p. 46; Poland.
1959. *Lepidocyrtus cyaneus* Steiner (2343) p. 467; Spain.
1959. *Lepidocyrtus cyaneus* Strebel (2344) pp. 92–95; Germany.
1959. *Lepidocyrtus cyaneus* Wilkey (2350) p. 224; California.
1959. *Lepidocyrtus cyaneus* Yosii (2355) p. 25, fig. 13; Belgium.
1960. *Lepidocyrtus cyaneus* Bodvarsson (2412) p. 174; Faroes.
1960. *Lepidocyrtus cyaneus* Gisin (2271) p. 240, fig. 54; Europe.
1960. *Lepidocyrtus cyaneus* Grindbergs (2373) p. 52; U.S.S.R.
1960. *Lepidocyrtus cyaneus* Palissa (2319) p. 388; Systematics and Ecology.

Lepidocyrtus cyaneus aenescens (Guthrie) 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, Minn., U.S.A.
1903. *Lepidocyrtus aenescens* Guthrie (951) p. 89; Minnesota.

1934. *Lepidocyrtus cyaneus aenescens* Mills (1417) p. 72; Iowa.
1946. *Lepidocyrtus cyaneus aenescens* Pearse (1575) p. 139; Ecology.
1953. *Lepidocyrtus cyaneus aenescens* Mills & Richard (1430) p. 59; Nth. Canada.
1956. *Lepidocyrtus cyaneus aenescens* Wray & Knowlton (2214) p. 4; Idaho.

Lepidocyrtus cyaneus albicaudatus Hammer, 1953

TYPE: Auth. Colln., Roland, Fredensburg, Denmark.
1953. *Lepidocyrtus cyaneus albicaudatus* Hammer (972) p. 56; Nth. Canada.

Lepidocyrtus cyaneus assimilis (Reuter) 1890

1890. *Lepidocyrtus assimilis* Reuter (1638) p. 25; Finland.
1893. *Lepidocyrtus cyaneus assimilis* Schött (1765) p. 45, Pl. III, fig. 10; Finland.
1895. *Lepidocyrtus cyaneus assimilis* Dalla Torre (498) p. 1–; Systematics.
1895. *Lepidocyrtus assimilis* Reuter (1643) p. 17; Finland.
1898. *Lepidocyrtus cyaneus assimilis* Scherbakow (1750) p. 60; Kiev, Russia.
1901. *Lepidocyrtus cyaneus assimilis* Krausbauer (1204) p. 80; Germany.
1903. *Lepidocyrtus cyaneus assimilis* Ågren (55) p. 159; Sweden.
1908. *Lepidocyrtus cyaneus assimilis* Schille (1755) p. 14; Poland.
1908. *Lepidocyrtus cyaneus assimilis* Wahlgren (2086) p. 4; Kilimanjaro.
1912. *Lepidocyrtus cyaneus assimilis* Schille (1756) p. 14; Galizien.
1920. *Lepidocyrtus cyaneus assimilis* Stach (1859) p. 183; Poland.
1922. *Lepidocyrtus cyaneus assimilis* Stach (1860) p. 35; Hungary.
1930. *Lepidocyrtus cyaneus assimilis* Stach (1869) p. 298; Europe; Asia; Nth. America.
1933. *Lepidocyrtus cyaneus assimilis* Turk (2007) p. 94; Britain.
1951. *Lepidocyrtus cyaneus assimilis* Maynard (1393) p. 183, Pl. XIX, fig. 323; New York.

Lepidocyrtus cyaneus cinereus Folsom, 1924

SYNTYPES: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1924. *Lepidocyrtus cyaneus cinereus* Folsom (797) p. 9, figs. 24–27; New York.
1932. *Lepidocyrtus cyaneus cinereus* Maynard (1391) p. 220; New York.
1933. *Lepidocyrtus cyaneus cinereus* James (1124) p. 108; Canada.
1933. *Lepidocyrtus cyaneus cinereus* Mills & Rolfs (1431) p. 82; Washington.
1934. *Lepidocyrtus cyaneus cinereus* Mills (1417) p. 72; Iowa.
1939. *Lepidocyrtus cyaneus cinereus* Thomas (1969) p. 19; Ecology.
1941. *Lepidocyrtus cyaneus cinereus* Salmon (1676) p. 374, fig. 369; New Zealand.
1951. *Lepidocyrtus cyaneus cinereus* Maynard (1393) p. 183, Pl. XIX, fig. 322; New York.

Lepidocyrtus cyaneus pallidus (Reuter) 1890

1890. *Lepidocyrtus pallidus* Reuter (1638) p. 24; Finland.
1893. *Lepidocyrtus cyaneus pallidus* Schött (1765) p. 46; Finland.
1895. *Lepidocyrtus pallidus* Reuter (1643) p. 18; Finland.
1906. *Lepidocyrtus cyaneus pallida* Wahlgren (2081) p. 14; Cairo.
1920. *Lepidocyrtus cyaneus pallida* Stach (1859) p. 183; Poland.
1923. *Lepidocyrtus cyaneus pallidus* Stach (1863) p. 12; Germany.
1924. *Lepidocyrtus cyaneus pallida* Handschin (981) p. 139; Switzerland.
1930. *Lepidocyrtus cyaneus pallidus* Stach (1869) p. 298; Asia; Nth. America.
1933. *Lepidocyrtus cyaneus pallida* Schubert (1787) p. 181; Ecology.
1935. *Lepidocyrtus cyaneus pallida* Schubert (1791) pp. 106–, 230–, 369–; Germany; Poland.
1936. *Lepidocyrtus cyaneus pallida* Pax & Maschke (1574) p. 146–; Ecology.
1938. *Lepidocyrtus cyaneus pallida* Kseneman (1219) p. 110; Germany.
1949. *Lepidocyrtus cyaneus pallida* Strenzke (1922) p. 208; Germany.
1951. *Lepidocyrtus cyaneus pallida* Schaller (1746) p. 465; Ecology.
1952. *Lepidocyrtus cyaneus pallida* Mihelcic (1406) p. 96; Ecology.
1956. *Lepidocyrtus cyaneus pallida* Bockemuhl (193) p. 144; Spitzbergen.
1958. *Lepidocyrtus cyaneus pallida* Grindbergs (2276) p. 76; Latvia.
1958. *Lepidocyrtus cyaneus pallida* Grindbergs (2277) p. 200; Latvia.
1960. *Lepidocyrtus cyaneus pallida* Palissa (2319) p. 389; Systematics and Ecology.

Lepidocyrtus dahli Schaeffer, 1898

1898. *Lepidocyrtus dahlii* Schaeffer (1737) p. 419, figs. 33, 34, 38; Bismarck Archipelago.
1960. *Discocyrtus dahlii* Yosii (2408) p. 24, fig. 13; Solomon Is.

Lepidocyrtus decemoculatus Guthrie, 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, Minn., U.S.A.
1903. *Lepidocyrtus decemoculatus* Guthrie (951) p. 85, Pl. VII, fig. 14; Minnesota.
1933. *Pseudosinella decemoculatus* Mills & Rolfs (1431) p. 82; Washington.
1937. *Lepidocyrtus decemoculatus* Scott (1795) p. 133; California.
1942. *Pseudosinella decemoculata* Scott (1796) p. 183; West. U.S.A.
1951. *Pseudosinella decemoculata* Maynard (1393) p. 171; New York.

Lepidocyrtus denisi Marlier, 1945

1945. *Lepidocyrtus denisi* Marlier (1377) p. 257, fig. 4; Belgian Congo.

Lepidocyrtus discolor Latzel, 1917

1917. *Lepidocyrtus discolor* Latzel (1249) p. 245; Austria.
1922. *Lepidocyrtus discolor* Latzel (1250) p. 68; Ostalpen & Karstes.

Lepidocyrtus discolor bicinctus Latzel, 1917

1917. *Lepidocyrtus discolor bicinctus* Latzel (1249) p. 245; Austria.
1922. *Lepidocyrtus discolor bicinctus* Latzel (1250) p. 68; Austria.

Lepidocyrtus discolor palliatus Latzel, 1917

1917. *Lepidocyrtus discolor palliatus* Latzel (1249) p. 245; Austria.
1922. *Lepidocyrtus discolor palliatus* Latzel (1250) p. 68; Lussin.

Lepidocyrtus domesticus Börner, 1903

1903. *Lepidocyrtus domesticus* Börner (239) p. 151; Germany.
1942. *Lepidocyrtinus domesticus* Marlier (1375) p. 9; Belgium.
1942. *Lepidocyrtus domesticus* Miles (1408) p. 247; Oxford, England.
1950. *Lepidocyrtus domesticus* Delamare Deboutteville (570) p. 281; Cosmopolitan.
1953. *Lepidocyrtus domesticus* Weidner (2108) p. 35; Central Europe.
1955. *Lepidocyrtus domesticus* Chopard (434) p. 23, Pl. 1, fig. 16.
1957. *Lepidocyrtus domesticus* Haarlov (2281) p. 12; Denmark; habitat.

Lepidocyrtus elegantulus Meinert, 1896

1896. *Lepidocyrtus elegantulus* Meinert (1399) p. 168; Greenland.
1900. *Lepidocyrtus elegantulus* Skorikow (1833) p. 198; Spitzbergen.
1900. *Lepidocyrtus elegantulus* Wahlgren (2077) p. 374; Greenland.
1902. *Lepidocyrtus elegantulus* Skorikow (1835) p. 92; Spitzbergen.
1909. *Lepidocyrtus elegantulus* Nielsen (1498) p. 377; Greenland.
1918. *Lepidocyrtus elegantulus* Henriksen & Lundbeck (1044) p. 737; Greenland.

Lepidocyrtus exaggeratus Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Lepidocyrtus exaggeratus* Denis (638) p. 138; Costa Rica.
1933. *Lepidocyrtus exaggeratus* Denis (645) p. 247; Costa Rica; Ad. descr.

Lepidocyrtus exploratius Carpenter, 1924

1924. *Lepidocyrtus exploratius* Carpenter (394) p. 286; figs. 4–6; Assam.
1931. *Lepidocyrtus exploratius* Bonet (205) p. 384; Assam, in caves.

Lepidocyrtus extensus Wahlgren, 1908

1908. *Lepidocyrtus extensus* Wahlgren (2086) p. 5, Pl. I, figs. 9, 10; Meru.
1926. *Lepidocyrtus maximus extensus* Philiptschenko (1592) p. 190; Brit. E. Africa.
1929. *Lepidocyrtus extensus* Handschin (1007) p. 27; Kilimanjaro; East Africa.
1934. *Lepidocyrtus extensus* Womersley (2177) p. 470; Brit. E. Africa; Kilimanjaro.

Lepidocyrtus falcifer Schaeffer, 1898

1898. *Lepidocyrtus falcifer* Schaeffer (1737) p. 416, figs. 23–26; Bismarck Archiepelago.

Lepidocyrtus fasciolus (Koch) 1840

1840. *Paidium fasciola* Koch (1187) p. 357; Europe

Lepidocyrtus ferrugineus Schött, 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Lepidocyrtus ferrugineus* Schött (1764) p. 13; Cameroons.
1926. *Lepidocyrtus ferrugineus* Schött (1779) p. 16, Pl. I, figs. 26–28; Diagnosis; Cameroons.
1934. *Lepidocyrtus ferrugineus* Womersley (2177) p. 470; Cameroons.
1944. *Lepidocyrtus ferrugineus* Marlier (1376) p. 9, fig. 4; Belgian Congo.
1959. *Lepidocyrtus ferrugineus* Paclt (2316) p. 48; Sth. Africa.

Lepidocyrtus fimbriatus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Lepidocyrtus fimbriatus* Salmon (1683) p. 159, Pl. 60, figs. 128–129; New Zealand.

Lepidocyrtus finensis Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Lepidocyrtus finensis* Maynard (1393) p. 175, Pl. XVIII, figs. 301–304; New York.

Lepidocyrtus flapipes (Koch) 1840

1840. *Paidium flapipes* Koch (1187) p. 357; Europe.

Lepidocyrtus flaveolus (Koch) 1840

1840. *Paidium flaveolum* Koch (1187) p. 357; Europe.

Lepidocyrtus folsomi Mills, 1931

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1931. *Lepidocyrtus folsomi* Mills (1415) p. 10, figs. 26, 27; Texas.

Lepidocyrtus fryeri Carpenter, 1916

TYPE: Brit. Mus. Nat. Hist., London.
1916. *Lepidocyrtus Fryeri* Carpenter (390) p. 40, Pl. XVI, figs. 40–42; Seychelles.
1929. *Lepidocyrtus Fryeri* Handschin (1007) p. 27; Seychelles.
1934. *Lepidocyrtus Fryeri* Womersley (2177) p. 470; Seychelles.

Lepidocyrtus fucatus Uzel, 1890

1890. *Lepidocyrtus fucatus* Uzel (2050) p. 52; Czechoslovakia.
1895. *Lepidocyrtus fucatus* Reuter (1643) p. 17; Finland; Sweden; Vienna.
1896. *Lepidocyrtus fucatus* Schäffer (1735) p. 202; Germany.
1898. *Lepidocyrtus fucatus* Scherbakow (1750) p. 59; Kiev, Russia.
1899. *Lepidocyrtus fucatus* Carl (351) p. 3; France; Switzerland.
1899. *Lepidocyrtus fucatus* Carl (352) p. 338; Switzerland.
1901. *Lepidocyrtus fucatus* Börner (231) p. 343; Germany; Systematics.
1901. *Lepidocyrtus fucatus* Börner (234) p. 73, fig. 31; Central Europe.
1901. *Lepidocyrtus fucatus* Krausbauer (1204) p. 78; Germany.
1902. *Lepidocyrtus fucatus* Becker (158) p. 30; Russia.
1902. *Lepidocyrtus fucatus* Voights (2067) p. 524; Germany.
1903. *Lepidocyrtus fucatus* Diem (688) p. 359; Ecology.
1905. *Lepidocyrtus lanuginosus* Axelson (81) p. 39; Synonymy.
1912. *Lepidocyrtus fucatus* Schille (1756) p. 14; Galizien ? Poland.

Lepidocyrtus fulleborni (Börner) 1903

1903. *Paronella fulleborni* Börner (239) p. 143; Nyassa.
1929. *Lepidocyrtus fulleborni* Handschin (1007) p. 27.

Lepidocyrtus fulvus Schött, 1896

1896. *Lepidocyrtus fulvus* Schött (1769) p. 173, Pl. I, figs. 8–10; Nth. America.

Lepidocyrtus fuscatus Wahlgren, 1908

1908. *Lepidocyrtus fuscatus* Wahlgren (2086) p. 4, Pl. I, fig. 8; Kilimanjaro.
1929. *Lepidocyrtus fuscatus* Handschin (1007) p. 27; Kilimanjaro.
1934. *Lepidocyrtus fuscatus* Womersley (2177) p. 470; Kilimanjaro.
1945. *Lepidocyrtus fuscatus* Marlier (1377) p. 255; Belgian Congo.

Lepidocyrtus gardineri Carpenter, 1916

LECTOTYPES, PARATYPES: Brit. Mus. Nat. Hist., London.
1916. *Lepidocyrtus gardineri* Carpenter (390) p. 41, Pl. XVI, figs. 47–50; Seychelles.
1929. *Lepidocyrtus gardineri* Handschin (1007) p. 27; Seychelles.
1934. *Lepidocyrtus gardineri* Womersley (2177) p. 470; Seychelles.

Lepidocyrtus geayi Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Lepidocyrtus geayi* Denis (616) p. 258, figs. 92–94; Guyane.

Lepidocyrtus geayides Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Lepidocyrtus geayides* Denis (638) p. 139, figs. 128–133; Costa Rica.
1933. *Lepidocyrtus geayides* Denis (645) p. 249; Costa Rica; Ad. descr.

Lepidocyrtus gibbulus (Nicolet) 1842

1842. *Cyphodeirus gibbulus* Nicolet (1493) p. 64, Pl. VII, fig. 2; Europe.
1844. *Lepidocyrtus gibbulus* Gervais (841) p. 410; Switzerland.
1844. *Cyphoderus gibbulus* Lucas (1327) p. 293; Reference.
1847. *Cyphoderus gibbulus* Nicolet (1496) p. 382; France; Switzerland.
1868. *Lepidocyrtus gibbulus* Lubbock (1316) p. 301, Pl. XXII, fig. 22; England.
1869. *Lepidocyrtus gibbulus* MacIntire (1351) p. 207 and figs.; Morphology.
1873. *Lepidocyrtus gibbulus* Lubbock (1318) p. 153; Original Description repeated.
1873. *Lepidocyrtus gibbulus* MacIntire (1353) p. 5, fig. 4; England; Scale structure.
1878. *Lepidocyrtus gibbulus* Parona (1557) p. 590; Italy.
1883. *Lepidocyrtus gibbulus* Parona (1558) p. 457; Italy.
1885. *Lepidocyrtus gibbulus* Parona (1560) p. 40; Sardinia.
1888. *Lepidocyrtus gibbulus* Parona (1563) p. 140; Italy.
1891. *Lepidocyrtus gibbulus* Parfitt (1550) p. 335; England.
1956. *Lepidocyrtus gibbulus* Stevanovic (1903) p. 4–; Yugoslavia.

Lepidocyrtus guthriei Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Lepidocyrtus guthriei* Maynard (1393) p. 181, Pl. I, fig. 9, Pl. XIX, figs. 315–317; New York.

Lepidocyrtus hankowi Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Lepidocyrtus hankowi* Denis (633) p. 313, fig. VII; Hankow.

Lepidocyrtus heterolepsis (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Lepidocyrtus (Acrocyrtus) heterolepsis* Yosii (2355) p. 33, fig. 18; Singapore.

Lepidocyrtus heterophthalmus Carpenter, 1904

TYPE and COTYPES: Brit. Mus. Nat. Hist., London.
COTYPES: Museum, Dublin, Ireland.
1904. *Lepidocyrtus heterophthalmus* Carpenter (374) p. 300, Pl. IX, figs. 1–6; Hawaii.
1932. *Lepidocyrtus heterophthalmus* Folsom (801) p. 68; Hawaii.
1948. *Lepidocyrtus heterophthalmus* Zimmerman (2237) p. 61; Hawaii.

Lepidocyrtus immaculatus Folsom, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Lepidocyrtus immaculatus* Folsom (801) p. 68, Pl. 9, figs. 94–96; Hawaii.
1948. *Lepidocyrtus immaculatus* Zimmerman (2237) p. 62, fig. 28 c-e; Hawaii.

Lepidocyrtus imperialis Carpenter, 1916

LECTOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1916. *Lepidocyrtus imperialis* Carpenter (390) p. 41, Pl. XVI, figs. 43–46; Seychelles.
1929. *Lepidocyrtus imperialis* Handschin (1007) p. 27; Seychelles.
1934. *Lepidocyrtus imperialis* Womersley (2177) p. 470; Seychelles.

Lepidocyrtus indicus Handschin, 1929

1929. *Lepidocyrtus indicus* Handschin (1006) p. 242, figs. 19-21; Sth. India.

Lepidocyrtus inornatus Folsom, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Lepidocyrtus inornatus* Folsom (801) p. 68, Pl. 9, figs. 92–93; Honolulu.
1935. *Lepidocyrtus inornatus* Carpenter (400) p. 373; Marquesas Islands.
1948. *Lepidocyrtus inornatus* Zimmerman (2237) p. 62, fig. 28 a-b; Hawaii.

Lepidocyrtus insignis Reuter, 1895

1895. *Lepidocyrtus insignis* Reuter (1643) p. 16; Finland.
1907. *Lepidocyrtus insignis* Axelson (83) p. 132; Finland.
1911. *Lepidocyrtus insignis* Reuter (1651) p. 19; Scandinavia.
1912. *Lepidocyrtus insignis* Schille (2394) p. 129: Poland.

Lepidocyrtus instratus Handschin, 1924

1924. *Lepidocyrtus instratus* Handschin (981) p. 137, figs. 101–104; Switzerland.
1929. *Lepidocyrtus instratus* Handschin (1008) p. 87, fig. 157; Hungary.
1949. *Lepidocyrtus instratus* Janetschek (1127) pp. 42, 135–143; Ecology.
1952. *Lepidocyrtus instratus* Massera (1382) p. 30; Italy, caves.
1955. *Lepidocyrtus instratus* Moscardini (1459) p. 44; Italy.
1958. *Lepidocyrtus instratus* von Torne (1993) p. 670; Austria.
1959. *Lepidocyrtus instratus* Holler-Land (2284) p. 436; Germany; Ecology.

Lepidocyrtus intermixus Folsom, 1924

SYNTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Lepidocyrtus intermixus* Folsom (795) p. 75, Pl. V, figs. 27–29; Sth. Seymour I. (Galapagos Group).
1932. *Lepidocyrtus intermixtus* Stach (1872) p. 332; Galapagos Islands.

Lepidocyrtus iricolor (Say) 1821

1821. *Podura iricolor* Say (1730) p. 13; America.
1840. *Podura iricolor* Lucas (1326) p. 566; Georgia; Florida.
1841. *Podura iricolor* Bourlet (261) p. 158.
1842. *Podura iricolor* Bourlet (265) p. 65.
1873. *Lepidocyrtus iricolor* Lubbock (1318) p. 157 (sp. dub. p. 12).
1873. *Podura iricolor* Packard (1521) p. 45; not identified.

Lepidocyrtus javanicus Oudemans, 1890

1890. *Lepidocyrtus javanicus* Oudemans (1512) p. 85; Java.
1928. *Lepidocyrtus javanicus* Handschin (1001) p. 266; Java.

Lepidocyrtus kauriensis Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidocyrtus kauriensis* Salmon (1676) p. 375, Pl. 62, figs. 373–375; New Zealand.

Lepidocyrtus knowltoni (Wray) 1956

1956. *Drepanocyrtus knowltoni* Wray (2214) p. 4; Idaho.

***Lepidocyrtus lamarcki** Delamare Deboutteville, 1947

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1947. *Lepidocyrtus Lamarcki* Delamare Deboutteville (547) p. 453; Ivory Coast.
1950. *Lepidocyrtus Lamarcki* Delamare Deboutteville (570) pp 74, 146; Ivory Coast.
1952. *Lepidocyrtus Lamarcki* Delamare Deboutteville (2267) p. 76, figs. 45–49; Ivory Coast.

Lepidocyrtus lanuginosus (Gmelin) 1788

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1767. *Podura pusilla* Linné (1302) p. 1014, in part; Europe.
1776. *Podura tota argenteo-aurata* Muller (1470) p. 184; Denmark.
1788. *Podura lanuginosa* Gmelin (910) p. 2911; Europe.
1841. *Lepidocyrtus rivularis* Bourlet (261) p. 105; Europe.
1841. *Podura lanuginosa* Bourlet (261) p. 153; Europe.
1842. *Podura lanuginosa* Bourlet (265) p. 60; Europe.
1842. *Cyphodeirus aeneus* Nicolet (1493) p. 66; Europe.
1844. *Lepidocyrtus aeneus* Gervais (841) p. 411; Europe.
1868. *Lepidocyrtus aeneus* Lubbock (1316) p. 300; England.
1871. *Lepidocyrtus aeneus* Tullberg (2002) p. 150; Sweden.
1872. *Lepidocyrtus pusillus* Packard (1521) p. 37; Reference.
1872. *Lepidocyrtus lanuginosus* Tullberg (2003) p. 38, Pl. VI, figs. 1–7; Sweden.
1873. *Lepidocyrtus lignorum* Lubbock (1318) p. 152, Pl. XXVI; England.
1873. *Lepidocyrtus gibbulus* Lubbock (1318) p. 153, Pl. XXVII; Europe.
1873. *Lepidocyrtus aeneus* Lubbock (1318) p. 154, Pl. XXIX; England.
1873. *Lepidocyrtus pusillus* Lubbock (1318) p. 156; Europe.
1876. *Lepidocyrtus lanuginosus* Reuter (1628) p. 81; Finland.
1878. *Lepidocyrtus pusillus* Parona (1557) p. 559–; Italy.
1880. *Lepidocyrtus lanuginosus* Fries (833) p. 115; Falkenstein Cave.
1880. *Lepidocyrtus lanuginosus* Reuter (1629) p. 206; Scotland.
1882. *Lepidocyrtus pusillus* Parona (1558) p. 453–; Italy.
1883. *Lepidocyrtus lanuginosus* Reuter (1634) p. 75; Finland.
1887. *Lepidocyrtus lanuginosus* Oudemans (1510) p. 1–; Systematics.
1887. *Lepidocyrtus lanuginosus* Oudemans (1510) p. 98; Holland.
1888. *Lepidocyrtus lanuginosus* Dalla Torre (497) p. 145; Tyrol.
1888. *Lepidocyrtus aeneus* Parona (1563) p. 133–; Italy.
1889. *Lepidocyrtus lanuginosa* Moniez (1441) p. 27; France.
1890. *Lepidocyrtus lanuginoso* Reuter (1638) p. 24; Europe.
1890. *Lepidocyrtus fucatus* Uzel (2050) p. 52; Bohemia.
1890. *Lepidocyrtus lanuginosus* Uzel (2050) p. 52; Bohemia.
1891. *Lepidocyrtus pusillus* MacGillivray (1341) p. 272; Greenland; Europe.
1891. *Lepidocyrtus aeneus* Parfitt (1550) p. 336; England.
1891. *Lepidocyrtus albicans* Reuter (1639) p. 231; Finland.
1893. *Lepidocyrtus lanuginosus* Schött (1765) p. 45; Sweden.
1896. *Lepidocyrtus rivularis* Schött (1765) p. 46; Sweden.
1895. *Lepidocyrtus lanuginoso* Reuter (1643) p. 19; Finland; Sweden; Germany; Switzerland, Bohemia; Hungary; Tyrol; Italy.
1895. *Lepidocyrtus albicans* Reuter (1643) p. 20; Finland.
1895. *Lepidocyrtus fucatus* Reuter (1643) p. 17; Finland, Sweden; Vienna.
1896. *Lepidocyrtus lanuginosus* Lie-Pettersen (1281) p. 12; Norway.
1896. *Lepidocyrtus fucatus* Schäffer (1735) p. 202; Germany.
1897. *Lepidocyrtus lanuginosus* Poppe & Schäffer (1607) p. 271; Germany.
1897. *Lepidocyrtus lanuginosus* Schäffer (1735) p. 201; Germany.
1898. *Lepidocyrtus lanuginosus* Lie-Pettersen (1282) p. 9; Norway.
1898. *Lepidocyrtus lanuginosus* Scherbakow (1750) p. 59; Kiev, Russia.
1898. *Lepidocyrtus albicans* Scherbakow (1750) p. 60; Kiev.
1898. *Lepidocyrtus fucatus* Scherbakow (1750) p. 59; Kiev.
1898. *Lepidocyrtus rivularis* Scherbakow (1750) p. 60; Kiev.
1899. *Lepidocyrtus fucatus* Carl (351) p. 3; France; Switzerland.
1899. *Lepidocyrtus albicans* Carl (352) p. 338; Switzerland.
1899. *Lepidocyrtus lanuginosus* Carl (352) p. 339; Switzerland.
1899. *Lepidocyrtus lanuginosus* Carpenter & Evans (402) p. 238; Scotland.

* This name, first published in 1947 without any description, is invalid under Article 13 of the International Rules of Zoological Nomenclature.

1899. *Lepidocyrtus lanuginosus fucatus* Carpenter & Evans (402) p. 239; Scotland.
1899. *Lepidocyrtus lanuginosus* Lie-Pettersen (1283) p. 11; Norway.
1899. *Lepidocyrtus lanuginosus* Scherbakow (1752) p. 1–; Kiev.
1899. *Lepidocyrtus lanuginosus* Scherbakow (1754) p. 47; Spitzbergen.
1899. *Lepidocyrtus lanuginosus* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Lepidocyrtus lanuginosus albicans* Carpenter & Evans (402) p. 239; Scotland.
1900. *Lepidocyrtus lanuginosus* Kieffer (1170) p. 113; Germany.
1900. *Lepidocyrtus lanuginosus* Schäffer (1738) p. 250; Spitzbergen; N.E. Siberia; Europe; Azores.
1900. *Lepidocyrtus lanuginosus* Schäffer (1739) p. 272; Germany.
1900. *Lepidocyrtus lanuginosus* Skorikow (1833) p. 194; Spitzbergen.
1900. *Lepidocyrtus lanuginosus* Wahlgren (2077) p. 374; Spitzbergen.
1901. *Lepidocyrtus lanuginosus* Absolon (11) p. 39; Czechoslovakia.
1901. *Lepidocyrtus lanuginosus* Absolon (12) p. 110; Systematics.
1901. *Lepidocyrtus fucatus* Börner (234) p. 73, fig. 31; Central Europe.
1901. *Lepidocyrtus lanuginosus* Börner (234) p. 74, fig. 32; Central Europe.
1901. *Lepidocyrtus rivularis* Börner (234) p. 73; Germany.
1901. *Lepidocyrtus lanuginosus* Boyd (268) p. 317; Scotland.
1901. *Lepidocyrtus montanus* Carl (354) p. 267, figs. 19, 20; Switzerland.
1901. *Lepidocyrtus lanuginosus* Evans (739) p. 155; Scotland.
1901. *Lepidocyrtus lanuginosus* Evans (740) p. 152; Scotland.
1901. *Lepidocyrtus albicans* Krausbauer (1204) p. 78; Germany.
1901. *Lepidocyrtus fucatus* Krausbauer (1204) p. 78; Germany.
1901. *Lepidocyrtus rivularis* Krausbauer (1204) p. 78; Germany.
1902. *Lepidocyrtus albicans* Becker (158) p. 30; Russia.
1902. *Lepidocyrtus fucatus* Becker (158) p. 30; Russia.
1902. *Lepidocyrtus lanuginosus* Becker (158) p. 30; Russia.
1902. *Lepidocyrtus lanuginosus* Skorikow (1835) p. 88; Spitzbergen.
1902. *Lepidocyrtus fucatus* Voigts (2067) p. 524; Germany.
1902. *Lepidocyrtus lanuginosus* Voights (2067) p. 524; Germany.
1903. *Lepidocyrtus lanuginosus* Ågren (55) p. 159; Discussion; Sweden.
1903. *Lepidocyrtus fucatus* Diem (688) p. 359; Ecology.
1903. *Lepidocyrtus lanuginosus* Diem (688) p. 359; Ecology.
1904. *Lepidocyrtus lanuginosus typica* Ågren (56) p. 24; Scandinavia; Lapland.
1904. *Lepidocyrtus lanuginosus fucata* Ågren (56) p. 24; Lapland.
1904. *Lepidocyrtus lanuginosus* Axelson (79) p. 76; Norway.
1904. *Lepidocyrtus rivularis* Axelson (79) p. 77; Norway.
1904. *Lepidocyrtus lanuginosus* Carpenter (373) p. 197; Lough Gill Shore.
1905. *Lepidocyrtus lanuginosus* Axelson (81) p. 39; Tvärminne.
1905. *Lepidocyrtus lanuginosus albicans* Axelson (81) p. 39; Finland.
1905. *Lepidocyrtus rivularis* Axelson (81) p. 39; Tvärminne, Finland.
1905. *Lepidocyrtus lanuginosus* Becker (160) p. 94; Russia.
1905. *Lepidocyrtus lanuginosus* Philiptschenko (1586) p. 1–; Bologoi Province, Russia.
1906. *Lepidocyrtus lanuginosus* Axelson (82) p. 18; Russia.
1906. *Lepidocyrtus lanuginosus* Lie-Pettersen (1284) p. 51; Norway.
1906. *Lepidocyrtus lanuginosus* Lie-Pettersen (1284) p. 69; Norway.
1906. *Lepidocyrtus lanuginosus* Wahlgren (2080) p. 263; Sweden.
1906. *Lepidocyrtus lanuginosus fucata* Wahlgren (2080) p. 263; Sweden.
1907. *Lepidocyrtus lanuginosus* Axelson (83) p. 132; Finland.
1907. *Lepidocyrtus lanuginosus* Axelson (84) p. 7; N. Finland.
1907. *Lepidocyrtus lanuginosus* Wahlgren (2082) p. 226; Torne lappmark; Norway.
1908. *Lepidocyrtus lanuginosus* Schille (1755) p. 14; Poland.
1909. *Lepidocyrtus lanuginosus* Wahlgren (2087) p. 180; Iceland.
1910. *Lepidocyrtus lanuginosus* Collinge (464) p. 12; England.
1910. *Lepidocyrtus lanuginosus* Collinge & Shotbotham (472) p. 116; England.
1911. *Lepidocyrtus lanuginosus* Axelson (1291) p. 23; Norway.
1911. *Lepidocyrtus rivularis* Axelson (1291) p. 23; Norway.
1912. *Lepidocyrtus lanuginosus* Axelson (1292) p. 220; Discussion; Finland.
1912. *Lepidocyrtus rivularis* Axelson (1292) p. 232; Finland.
1912. *Lepidocyrtus lanuginosus* Börner (248) p. 284; Central Africa.
1912. *Lepidocyrtus lanuginosus* Dahl (496) p. 424; Ecology.
1912. *Lepidocyrtus lanuginosus* Schille (1756) p. 14; Galizien.
1912. *Lepidocyrtus lanuginosus* Schille (2394) p. 129; Poland.
1913. *Lepidocyrtus lanuginosus* Carpenter (388) p. 10; Clare Is., Ireland.
1914. *Lepidocyrtus lanuginosus* Shoebotham (1820) p. 63; Ireland.
1916. *Lepidocyrtus lanuginosus* Bartholin (149) p. 195; Denmark.
1916. *Lepidocyrtus lanuginosus fucata* Bartholin (149) p. 155–; Denmark.
1918. *Lepidocyrtus lanuginosus* Brown (296) p. 186; England.
1919. *Lepidocyrtus lanuginosus* Handschin (977) p. 82; Switzerland; Europe; Nth. America; Spitzbergen.
1919. *Lepidocyrtus lanuginosus* Wahlgren (2089) p. 747; Sweden.
1920. *Lepidocyrtus lanuginosus* Stach (1859) p. 184; Systematics.
1920. *Lepidocyrtus rivularis albicans* Stach (1859) p. 182; Poland.

1921. *Lepidocyrtus lanuginosus* Brown (301) p. 143; Isle of Wight.
1922. *Lepidocyrtus lanuginosus* Carpenter & Phillips (404) p. 18; Spitzbergen; Nth. Siberia; Scandinavia; Finland; Germany; Switzerland; Ireland; Great Britain.
1922. *Lepidocyrtus lanuginosus* Denis (609) p. 112; Ile de Yeu, France.
1922. *Lepidocyrtus lanuginosus* Stach (1860) p. 33, Pl. 2, fig. 6; Hungary.
1923. *Lepidocyrtus lanuginosus* Womersley (2147) p. 34; S.W. England.
1924. *Lepidocyrtus lanuginosus* Denis (614) p. 293; France.
1924. *Lepidocyrtus lanuginosus* Handschin (981), p. 131; Switzerland.
1924. *Lepidocyrtus lanuginosus* Handschin (984) p. 173; Hochmoor Estland.
1925. *Lepidocyrtus lanuginosus* Denis (617) p. 212; Italy.
1925. *Lepidocyrtus lanuginosus* Handschin (986) p. 233; Germany.
1926. *Lepidocyrtus lanuginosus* Handschin (995) p. 128; Subterranean.
1926. *Lepidocyrtus lanuginosus* Stirnimann (1907) p. 252; Ecology.
1927. *Lepidocyrtus lanuginosus* Carpenter (396) p. 199; Spitzbergen.
1927. *Lepidocyrtus lanuginosus* Denis (629) p. 201; Italy.
1927. *Lepidocyrtus lanuginosus* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Lepidocyrtus lanuginosus* Morris (1457) p. 450; Ecology.
1927. *Lepidocyrtus lanuginosus* Strebel (1911) p. 259; **Biology.**
1928. *Lepidocyrtus lanuginosus* Handschin (1005) p. 6; Algeria.
1928. *Lepidocyrtus lanuginosus* Handschin (1003) p. 131; East Prussia.
1928. *Lepidocyrtus lanuginosus* Krausse (1206) p. 118; Ecology.
1928. *Lepidocyrtus lanuginosus* Summerhayes & Elton (1939) p. 208–; Spitzbergen.
1928. *Lepidocyrtus lanuginosus* Womersley (2154) p. 377; S.W. England.
1928. *Lepidocyrtus lanuginosus* Womersley (2155) p. 40; Savernake Forest.
1929. *Lepidocyrtus lanuginosus* Handschin (1007) p. 27; Seychelles.
1929. *Lepidocyrtus lanuginosus* Handschin (1008) p. 87, Palearctic and Nearctic regions.
1930. *Lepidocyrtus lanuginosus* Buitendijk (334) p. 66, Holland.
1930. *Lepidocyrtus lanuginosus* Kel'shtein (1161) p. 76; Russia.
1930. *Lepidocyrtus lanuginosus* Stach (1869) p. 297; Europe.
1930. *Lepidocyrtus lanuginosus* Womersley (2164) p. 166; Lake District, England.
1930. *Lepidocyrtus lanuginosus* Womersley (2168) p. 187; Ireland.
1931. *Lepidocyrtus lanuginosus* Bonet (205) p. 383; Czechoslovakia, in caves.
1931. *Lepidocyrtus lanuginosus* Brown (310) p. 138; Lapland.
1931. *Lepidocyrtus lanuginosus* Denis (639) p. 225; Germany.
1931. *Lepidocyrtus lanuginosus* Lindroth (1286) p. 133; **Iceland.**
1931. *Lepidocyrtus lanuginosus* Schött (1780) p. 71; Scandinavia.
1932. *Lepidocyrtus lanuginosus* Krogerns (1210) p. 93; Finland.
1932. *Lepidocyrtus lanuginosus* Kseneman (1211) p. 21; Czechoslovakia.
1932. *Lepidocyrtus lanuginosus* Strebel (1911) p. 259–; Physiology.
1933. *Lepidocyrtus lanuginosa* Schubert (1787) p. 181; Ecology.
1933. *Lepidocyrtus lanuginosus* Schubert (1788) p. 528; Marsh.
1933. *Lepidocyrtus lanuginosus* Schubert (1789) p. 2; Germany.
1933. *Lepidocyrtus lanuginosa* Turk (2007) p. 94; Britain.
1934. *Lepidocyrtus lanuginosus* Agrell (37) p. 230; Ecology; Sweden.
1934. *Lepidocyrtus lanuginosus* Davies (522) p. 121; Wales.
1934. *Lepidocyrtus lanuginosus* Davis (526) p. 100; Ecology; Britain
1934. *Lepidocyrtus lanuginosus* Perrier (1576) p. 38; France.
1934. *Lepidocyrtus lanuginosus* Volz (2069) p. 171; Ecology.
1934. *Lepidocyrtus lanuginosus* Womersley (2177) p. 459; Sth. Africa; Rhodesia; Pennon Is.
1934. *Lepidocyrtus lanuginosus* Womersley (2177) p. 470; Cosmopolitan; Europe; Brit. E. Africa; Kenya; Algeria.
1935. *Lepidocyrtus lanuginosus* Axelson (1295) p. 140; Spitzbergen.
1935. *Lepidocyrtus lanuginosus* Denis (652) p. 331; Yugoslavia.
1935. *Lepidocyrtus lanuginosus* Ford (809) p. 198–; Ecology.
1935. *Lepidocyrtus lanuginosus* Pax & Maschke (1573) p. 12–; Europe.
1935. *Lepidocyrtus lanuginosus* Schubert (1790) p. 94; Europe.
1935. *Lepidocyrtus lanuginosus* Schubert (1791) pp. 105–, 198–, 366–; Germany.
1935. *Lepidocyrtus lanuginosus* Schubert (1791) pp. 230, 233; Poland; Czechoslovakia.
1936. *Lepidocyrtus lanuginosus* Bornebusch (226) p. 39; Denmark.
1936. *Lepidocyrtus lanuginosus* Brown (314) p. 615; England.
1936. *Lepidocyrtus lanuginosus* Davies (525) p. 88; Grimsey Is.; Nth. Iceland.
1936. *Lepidocyrtus lanuginosus* Nordberg (1500) p. 34; Ecology.
1937. *Lepidocyrtus lanuginosus* Brown (316) p. 519; Iceland.
1937. *Lepidocyrtus lanuginosus* Drenowski (695) p. 3; Bulgaria.
1937. *Lepidocyrtus lanuginosus* Kseneman (1217) p. 471; Carpathians.
1937. *Lepidocyrtus lanuginosus* Schubert (1792) p. 127; Palearctic-Nearctic.
1937. *Lepidocyrtus lanuginosus* Strebel (1915) p. 259–; Greece.
1938. *Lepidocyrtus lanuginosus* Denis (665) p. 128; Italy.
1938. *Lepidocyrtus lanuginosus* Drenowski (696) p. 113; Bulgaria.
1938. *Lepidocyrtus lanuginosus* Hammer (968) p. 28; East Greenland.

1938. *Lepidocyrtus lanuginosus* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Lepidocyrtus lanuginosus* Kseneman (1220) p. 18; Europe.
1938. *Lepidocyrtus lanuginosus* Strebel (1917) p. 115; Germany; Ecology.
1939. *Lepidocyrtus lanuginosus* Thomas (1969) p. 19; Ecology.
1941. *Lepidocyrtus lanuginosus* Agrell (46) p. 20; Swedish Lapland.
1941. *Lepidocyrtus lanuginosus* Buitendijk (336) p. 63; Netherlands; Palaearctic and Nearctic.
1941. *Lepidocyrtus lanuginosus* Tarsia in Curia (1955) p. 265; Italy.
1942. *Lepidocyrtus lanuginosus* Caspers (408) p. 150; Helgoland Is.
1942. *Lepidocyrtus lanuginosus* Marlier (1375) p. 9; Belgium.
1942. *Lepidocyrtus lanuginosus* Tahvonen (1949) p. 205; Finland.
1943. *Lepidocyrtus lanuginosus* Agrell (47) p. 126; Sweden.
1943. *Lepidocyrtus lanuginosus* Gisin (853) p. 171; Switzerland.
1944. *Lepidocyrtus lanuginosus* Tuxen (2010) p. 181–; Iceland.
1945. *Lepidocyrtus lanuginosus* Agrell (50) p. 10; Sweden; Talpa and Arvicola nests.
1945. *Lepidocyrtus lanuginosus* Agrell (50) p. 10; Sweden; mouse nests.
1945. *Lepidocyrtus lanuginosus* Agrell (50) p. 11; Norway; mouse nests.
1945. *Lepidocyrtus lanuginosus* Agrell (50) p. 11; Finland; birds' nests.
1948. *Lepidocyrtus lanuginosus* Franz & Beier (821) p. 452; Ecology.
1948. *Lepidocyrtus lanuginosus* Gisin (867) p. 80; Switzerland.
1948. *Lepidocyrtus lanuginosus* Palmen (1546) p. 175; Ecology.
1948. *Lepidocyrtus lanuginosus* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Lepidocyrtus lanuginosus* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Lepidocyrtus lanuginosus* Schaller (1742) p. 268; Germany; Ecology.
1949. *Lepidocyrtus lanuginosus* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Lepidocyrtus lanuginosus* Delamare Deboutteville (570) p. 44; France.
1950. *Lepidocyrtus lanuginosus* Wray (2202) p. 6; Nth. Carolina.
1951. *Lepidocyrtus lanuginosus* Cassagnau & Delamare Deboutteville (593) p. 2; Mid. France.
1951. *Lepidocyrtus lanuginosus* Delamare Deboutteville (573) p. 120; France, in caves.
1951. *Lepidocyrtus lanuginosus* Delamare Deboutteville (580) p. 411.
1951. *Lepidocyrtus lanuginosus* (Gisin) (877) p. 85; Switzerland.
1951. *Lepidocyrtus lanuginosus* Gisin & Delamare Deboutteville (597) p. 136; Italian caves.
1951. *Lepidocyrtus lanuginosus* Praport (1610) p. 143; Poland.
1951. *Lepidocyrtus lanuginosus* Schaller (1746) p. 463; Germany; Ecology.
1952. *Lepidocyrtus lanuginosus* Baudissin (152) p. 54–; Ecology.
1952. *Lepidocyrtus lanuginosus* Delamare Deboutteville (581) p. 76; Mediterranean region.
1952. *Lepidocyrtus lanuginosus* Gisin (882) p. 21, fig. 8; Switzerland. (Compares with *L. curvicollis.*)
1952. *Lepidocyrtus lanuginosus* Macfadyen (1337) p. 110; England—in a fen.
1953. *Lepidocyrtus lanuginosus* Delamare Deboutteville (584) p. 315; France.
1953. *Lepidocyrtus lanuginosus* Weidner (2108) p. 34; Central Europe.
1954. *Lepidocyrtus lanuginosus* Delamare Deboutteville (589) pp. 435, 451; France.
1954. *Lepidocyrtus lanuginosus* Travé (2000) p. 211; France.
1955. *Lepidocyrtus lanuginosus* Lengersdorf (1277) p. 168; Cave Collembola.
1955. *Lepidocyrtus lanuginosus* Palissa (1545) p. 482; Ecology.
1955. *Lepidocyrtus lanuginosus* Stach (1893) p. 154, fig. 469; Europe.
1956. *Lepidocrytus lanuginosus* Bockemuhl (193) p. 144; Spitzbergen.
1956. *Lepidocyrtus lanuginosus* Gisin (895) p. 12; Geneva.
1956. *Lepidocyrtus lanuginosus* Gisin (896) p. 8; Geneva.
1956. *Lepidocyrtus lanuginosus* Husmann (1084) p. 146; Germany.
1956. *Lepidocyrtus lanuginosus* Paclt (1540) p. 355; Europe.
1956. *Lepidocyrtus lanuginosus* Stevanovic (1903) p. 4–; Yugoslavia.
1956. *Lepidocyrtus lanuginosus* von Torne (1990) p. 500; Europe.
1957. *Lepidocyrtus lanuginosus* Bodvarsson (2252) p. 33; Iceland.
1957. *Lepidocyrtus lanuginosus* Gunhold (2280) p. 470–; Ecology.
1957. *Lepidocyrtus lanuginosus* Haarlov (2281) p. 14; Denmark, habitat.
1957. *Lepidocyrtus lanuginosus* Paclt (1543) p. 2–; Europe.
1957. *Lepidocyrtus lanuginosus* Selga (1805) p. 117; Galicia.
1958. *Lepidocyrtus lanuginosus* Grindbergs (2276) p. 76; Latvia.
1958. *Lepidocyrtus lanuginosus* Grindbergs (2277) p. 200; Latvia.
1958. *Lepidocyrtus lanuginosus* Kholova (1169) p. 235; Bohemia.
1958. *Lepidocyrtus lanuginosus* Miles (1412) p. 638; Wales.
1958. *Lepidocyrtus lanuginosus* Mrohs (1463) p. 331; Ecology.
1958. *Lepidocyrtus lanuginosus* Nosek (1503) p. 358; Czechoslovakia.
1958. *Lepidocyrtus lanuginosus* von Torne (1993) p. 670; Austria.
1959. *Lepidocyrtus lanuginosus* Franz & Gunhold, etc. (2369) p. 50; Communities.
1959. *Lepidocyrtus lanuginosus* Haybach (2375) Tab. VIII; Ecology.
1958. *Lepidocyrtus lanuginosus* Holler-Land (2283) p. 110; Ecology.
1959. *Lepidocyrtus lanuginosus* Holler-Land (2284) p. 427; Ecology; Germany.
1959. *Lepidocyrtus lanuginosus* Paclt (2317) p. 340; Czechoslovakia.
1959. *Lepidocyrtus lanuginosus* Poole (1604) p. 76–; Food of Collembola.

1959. *Lepidocyrtus lanuginosus* Steiner (2343) p. 467; Spain.
1959. *Lepidocyrtus lanuginosus* Strebel (2344) p. 92–; Germany.
1959. *Lepidocyrtus lanuginosus* Yosii (2353) p. 8; Sth. Africa.
1960. *Lepidocyrtus lanuginosus* Bodvarsson (2412) p. 174; Faroes.
1960. *Lepidocyrtus lanuginosus* Delamare Deboutteville (2367) p. 530; East Pyrenees.
1960. *Lepidocyrtus lanuginosus* Delamare Deboutteville (2418) p. 530; France.
1960. *Lepidocyrtus lanuginosus* Gisin (2271) p. 241, fig. 440; Europe.
1960. *Lepidocyrtus lanuginosus* Grindbergs (2373) p. 52; U.S.S.R.
1960. *Lepidocyrtus lanuginosus* Loksa (1310) p. 380–; Ecology.
1960. *Lepidocyrtus lanuginosus* Paclt (2391) p. 157; Hungary.
1960. *Lepidocyrtus lanuginosus* Palissa (2319) p. 390; Systematics and Ecology.

Lepidocyrtus lanuginosus albicans (Reuter) 1895

1895. *Lepidocyrtus albicans* Reuter (1643) p. 19; Finland.
1899. *Lepidocyrtus lanuginosus albicans* Carpenter & Evans (402) p. 239; Scotland.
1924. *Lepidocyrtus lanuginosus albicans* Handschin (981) p. 135; Switzerland.
1933. *Lepidocyrtus lanuginosus albicans* Turk (2007) p. 94; Britain.
1941. *Lepidocyrtus lanuginosus albicans* Tarsia in Curia (1955) p. 265; Italy.
1949. *Lepidocyrtus lanuginosus albicans* Strenzke (1922) p. 208; Germany.
1951. *Lepidocyrtus lanuginosus albicans* Delamare Deboutteville (575) p. 59; Pyrenees.
1951. *Lepidocyrtus lanuginosus albicans* Maynard (1393) p. 173, Pl. XVIII; fig. 298; New York.
1951. *Lepidocyrtus lanuginosus albicans* Schaller (1746) p. 465; Ecology.
1956. *Lepidocyrtus lanuginosus albicans* Bockemuhl (193) p. 144; Spitzbergen.
1960. *Lepidocyrtus lanuginosus albicans* Palissa (2319) p. 391; Systematics and Ecology.

Lepidocyrtus lanuginosis ceratoxenus Börner, 1907

1907. *Lepidocyrtus lanuginosus ceratoxenus* Börner (244) p. 151; Fundu Is., off E. Africa.

Lepidocyrtus lanuginosus fucatus (Uzel) 1890

1890. *Lepidocyrtus fucatus* Uzel (2050) p. 52; Bohemia.
1899. *Lepidocyrtus lanuginosus fucatus* Carpenter & Evans (402) p. 239; Scotland.
1904. *Lepidocyrtus lanuginosus fucata* Ågren (56) p. 24; Lapland.
1906. *Lepidocyrtus lanuginosus fucata* Wahlgren (2080) p. 263; Sweden.
1916. *Lepidocyrtus lanuginosus fucata* Bartholin (149) p. 155–; Denmark.
1924. *Lepidocyrtus lanuginosus fucatus* Handschin (981) p. 136; Switzerland.
1931. *Lepidocyrtus lanuginosus fucata* Bonet (205) p. 384; Germany; Czechoslovakia, in caves.
1931. *Lepidocyrtus lanuginosus fucata* Brown (310) p. 138; Lapland.
1933. *Lepidocyrtus lanuginosus furcatus* Turk (2007) p. 94; Britain.
1936. *Lepidocyrtus lanuginosus fucata* Brown (314) p. 615; Lapland.
1938. *Lepidocyrtus lanuginosus fucatus* Kseneman (1220) p. 18; Europe.
1949. *Lepidocyrtus lanuginosus fucata* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Lepidocyrtus lanuginosus fucata* Schaller (1746) p. 463; Germany; Ecology.
1956. *Lepidocyrtus lanuginosus fucata* Bockemuhl (193) p. 144; Spitzbergen.
1958. *Lepidocyrtus lanuginosus fucata* Grindbergs (2276) p. 76; Latvia.
1958. *Lepidocyrtus lanuginosus fucata* Grindbergs (2277) p. 200; Latvia.
1960. *Lepidocyrtus lanuginosus fucata* Palissa (2319) p. 391; Systematics and Ecology.

Lepidocyrtus lanuginosus minor Carpenter and Evans, 1899

1899. *Lepidocyrtus lanuginosus minor* Carpenter & Evans (402) p. 239; Edinburgh.
1933. *Lepidocyrtus lanuginosus minor* Turk (2007) p. 94; Britain.

Lepidocyrtus lanuginosus ruginosus Ågren, 1904

1904. *Lepidocyrtus lanuginosus ruginosa* Ågren (56) p. 25; Lapland.
1919. *Lepidocyrtus lanuginosus rubiginosa* Wahlgren (2089) p. 747; Sweden (*Lapsus calami* ?)

***Lepidocyrtus latzeli** nom. nov.

1917. *Lepidocyrtus luteus* Latzel (1249) p. 244; Austria.
1922. *Lepidocyrtus luteus* Latzel (1250) p. 68; Ostalpen & Karstes.

Lepidocyrtus lignorum (Fabricius) 1793

1793. *Podura lignorum* Fabricius (749) p. 67; Europe.
1793. *Podura lignorum* Gmelin (910) p. 2908; Europe.
1802. *Podura lignorum* Latreille (1241) p. 77; Europe.
1827. *Podura lignorum* Brébisson (272) p. 272; France.
1835. *Cyphoderus lignorum* Lacordaire & Boisduval (196) p. 114; France.
1839. *Podura lignorum* Bormeister (339) p. 449; Europe.
1841. *Podura lignorum* Bourlet (261) p. 153; Europe.
1842. *Podura lignorum* Bourlet (265) p. 59; Europe.
1842. *Podura lignorum* Lucas (1326) p. 565.
1842. *Cyphodeirus lignorum* Nicolet (1493) p. 65; Europe; Switzerland.
1844. *Lepidocyrtus lignorum* Gervais (841) p. 410; Europe.
1844. *Cyphoderus lignorum* Lucas (1327) p. 293; Reference.
1847. *Cyphoderus lignorum* Nicolet (1496) p. 382; Europe.
1873. *Lepidocyrtus lignorum* Lubbock (1318) p. 152, Pl. XXVI; England.
1878. *Lepidocyrtus lignorum* Parona (1557) p. 590; Italy.
1883. *Lepidocyrtus lignorum* Parona (1558) p. 462; Italy.
1887. *Lepidocyrtus lignorum* Oudemans (1510) p. 98; Holland.

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*As the specific name *luteus* in the genus *Lepidocyrtus* was pre-occupied by Jackson in 1909 (1116) p. 533, I have renamed Latzel's species.

1891. *Lepidocyrtus lignorum* Parfitt (1550) p. 335; England.
1900. *Lepidocyrtus lignorum* Vellay (2056) p. 21; Hungary.
1930. *Lepidocyrtus lignorum* Buitendijk (334) p. 75; Holland.

Lepidocyrtus lindensis Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidocyrtus lindensis* Salmon (1676) p. 371, Pl. 61, figs. 358–360; New Zealand.

Lepidocyrtus lobatus Denis, 1948

1948. *Lepidocyrtus lobatus* Denis (676) p. 250, fig. 23; Indo-China.

Lepidocyrtus longithorax Delamare Deboutteville, 1948

TYPE: Mus., Paris.
1948. *Lepidocyrtus longithorax* Delamare Deboutteville (557) p. 178, figs. 1–5; Ivory Coast.

Lepidocyrtus lundbladi Agrell, 1939

COTYPE: Swed. Mus. Nat. Hist., Stockholm.
1939. *Lepidocyrtus lundbladi* Agrell (41) p. 5, fig. III; Madeira.
1959. *Lepidocyrtus lundbladi* Da Gama (494) p. 33; Madeira.

Lepidocyrtus luteus Jackson, 1909

1909. *Lepidocyrtus luteus* Jackson (1116) p. 533, Pl. XXXI; Ohio.

Lepidocyrtus magnificus Carpenter, 1924

1924. *Lepidocyrtus magnificus* Carpenter (394) p. 285, figs. 1–3; Assam.
1931. *Lepidocyrtus magnificus* Bonet (205) p. 384; Assam, in caves.

Lepidocyrtus malayanus (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Lepidocyrtus* (*Acrocyrtus*) *malayanus* Yosii (2355) p. 28, figs. 15, 16; Singapore.

Lepidocyrtus marginatus Handschin, 1920

1920. *Lepidocyrtus marginatus* Handschin (978) p. 141, figs. 9–11; Java.
1925. *Lepidocyrtus marginatus* Handschin (985) p. 266; Java.
1928. *Lepidocyrtus marginatus* Handschin (1001) p. 266; Java.

Lepidocyrtus marmoratus Packard, 1873

TYPES: Mus. Comp. Zool., Harvard.
1873. *Lepidocyrtus marmoratus* Packard (1521) p. 36; Massachusetts.
1891. *Lepidocyrtus marmoratus* MacGillivray (1341) p. 272; Massachusetts.
1909. *Lepidocyrtus marmoratus* Dow & Smith (692) p. 35; New Jersey.
1960. *Lepidocyrtus marmoratus* Gisin (2271) p. 239; = *Heteromurus nitidus*.

Lepidocyrtus medioides Womersley, 1928

1928. *Lepidocyrtus medioides* Womersley (2157) p. 59, Pl. VI, figs. 10–12; New Hebrides.

Lepidocyrtus medius Schaeffer, 1898

1898. *Lepidocyrtus medius* Schaeffer (1737) p. 420; Bismarck Archipelago.
1913. *Lepidocyrtus medius* Börner (251) p. 54; Java.
1920. *Lepidocyrtus medius* Handschin (978) p. 141; Java.
1925. *Lepidocyrtus medius* Handschin (985) p. 266; Java; New Guinea.
1926. *Lepidocyrtus medius* Handschin (993) p. 456, fig. 6; Java.
1928. *Lepidocyrtus medius* Carpenter (397) p. 114; Samoa.
1928. *Lepidocyrtus medius* Handschin (1001) p. 266; Sumatra.
1932. *Lepidocyrtus medius* Handschin (1010) p. 483; Java.
1935. *Lepidocyrtus medius* Carpenter (399) p. 138; Society Islands.
1944. *Lepidocyrtus medius* Uchida (2021) p. 8, fig. 8; Micronesia; Carolinen Is., Marian Is.
1949. *Lepidocyrtus medius* Uchida (2023) p. 41; New Guinea.
1955. *Lepidocyrtus medius* Uchida (2034) p. 200; Micronesia.
1958. *Lepidocyrtus medius* Uchida (2044) p. 14; Micronesia; Java; Sumatra; New Guinea; Pacific Region.
1959. *Lepidocyrtus medius* Yosii (2355) p. 26, fig. 14; Singapore.
1960. *Lepidocyrtus medius* Yosii (2408) p. 26; Solomon Islands.

Lepidocyrtus metallicus Packard, 1873

TYPES: Mus. Comp. Zool., Harvard.
1837. *Lepidocyrtus metallicus* Parkard (1521) p. 36; Maine; Massachusetts.
1891. *Lepidocyrtus metallicus* MacGillivray (1341) p. 272; Maine; Massachusetts; New York; Ohio; Tennessee.
1909. *Lepidocyrtus metallicus* Dow & Smith (692) p. 35; New Jersey.

Lepidocyrtus montanus Carl, 1901

TYPE ?: Mus. Hist. Natur., Geneva.
1901. *Lepidocyrtus montanus* Carl (354) p. 267, figs. 19, 20; Switzerland.

Lepidocyrtus moorei Salmon, 1941

TYPE: Dom. Mus., Wellington, N.Z.
1941. *Lepidocyrtus moorei* Salmon (1676) p. 373, Pl. 62, figs. 364–366; New Zealand.

Lepidocyrtus mucroserratus Salmon, 1954

TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1954. *Lepidocyrtus mucroserratus* Salmon (1700) p. 78, figs. 16–20; Uganda.

Lepidocyrtus mutabilis Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Lepidocyrtus mutabilis* Denis (638) p. 136, figs. 126–127; Costa Rica.
1933. *Lepidocyrtus mutabilis* Denis (645) p. 244; Costa Rica; Ad. descr.

Lepidocyrtus neglectus Moniez, 1890

1890. *Lepidocyrtus neglectus* Moniez (1444) p. 430; Croisie, France.
1891. *Lepidocyrtus neglectus* Moniez (1447) p. 69; France.
1934. *Lepidocyrtus neglectus* Perrier (1576) p. 38; France.

Lepidocyrtus nigrofasciatus Womersley, 1934

TYPE, COTYPES: Sth. Austr. Mus., Adelaide.
1934. *Lepidocyrtus nigrofasciatus* Womersley (2178) p. 123, fig. 14 d-f; Victoria; Adelaide.
1936. *Lepidocyrtus nigrofasciatus* Womersley (2183) p. 322; New Zealand.

1937. *Lepidocyrtus nigrofasciatus* Womersley (2188) p. 156; Australia.
1939. *Lepidocyrtus nigrofasciatus* Womersley (2190) p. 200, fig. 61, O-Q; Australia.
1941. *Lepidocyrtus nigrofasciatus* Salmon (1676) p. 373, figs. 367–368; New Zealand.

Lepidocyrtus nigrofasciatus aureus Womersley, 1934

PARATYPE: Sth. Austr. Mus., Adelaide.
1934. *Lepidocyrtus nigrofasciatus aureus* Womersley (2178) p. 86–; Australia.
1939. *Lepidocyrtus nigrofasciatus aureus* Womersley (2190) p. 200; Sth. Australia.

Lepidocyrtus nigrosetosus Folsom, 1927

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1927. *Lepidocyrtus nigrosetosus* Folsom (799) p. 9, Pl. 7, figs. 55-57; Manati; Puerto Rico.
1950. *Lepidocyrtus nigrosetosus* Wolcott (2145) p. 34; Puerto Rico.
1956. *Lepidocyrtus nigrosetosus* Paclt (1541) p. 125; Biology.

Lepidocyrtus nitens (Koch) 1840

1840. *Paidium nitens* Koch (1187) p. 356; Europe.

Lepidocyrtus obscuricornis Carpenter, 1916

PARATYPE, COTYPE: Brit. Mus. Nat. Hist., London.
1916. *Lepidocyrtus obscuricornis* Carpenter (390) p. 39, Pl. XV, figs. 31–33; Seychelles.
1929. *Lepidocyrtus obscuricornis* Handschin (1007) p. 27; Seychelles.
1934. *Lepidocyrtus obscuricornis* Womersley (2177) p. 470; Seychelles.

Lepidocyrtus obscurus Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Lepidocyrtus obscurus* Stach (2586) p. 540, Pl. LXXVII, figs. 1–5; Afghanistan.

Lepidocyrtus obtusus Wahlgren, 1906

1906. *Lepidocyrtus obtusus* Wahlgren (2081) p. 14, figs. 24–27; Egypt.
1908. *Lepidocyrtus obtusus* Wahlgren (2086) p. 6; Kilimanjaro.
1929. *Lepidocyrtus obtusus* Handschin (1007) p. 27; Sudan.
1923. *Lepidocyrtus obtusus* Womersley (2177) p. 470; Sudan.

***Lepidocyrtus octoculatus** Caroli, 1914

1914. *Lepidocyrtus octoculatus* Caroli (362) p. 8, fig. 7; Italian Libya.
1931. *Lepidocyrtus* (*Pseudosinella*) *octoculatus* Denis (638) pp. 140, 162; Costa Rica; Libya; Albania.
1934. *Pseudosinella octooculata* Womersley (2177) p. 470; Abyssinia.
1935. *Lepidocyrtus octoculatus* Denis (652) p. 331; Albania.
1942. *Lepidocyrtus octoculatus* Handschin (1012) p. 412, fig. 5; Palestine; Nth. Africa.

Lepidocyrtus octopunctatus Börner, 1901

1901. *Lepidocyrtus octopunctata* Börner (229) p. 705, fig. 8; East Prussia.
1903. *Lepidocyrtus* (*Pseudosinella*) *8-punctatus picta* Börner (239) p. 152; Italy.
1922. *Lepidocyrtus octoculatus* Stach (1861) p. 122, Pl. 9, fig. 8; Hungary.
1948. *Lepidocyrtus octoculatus* Gisin (867) p. 81; Switzerland.
1955. *Lepidocyrtus octoculatus* Palissa (1545) p. 482; Ecology.
1956. *Lepidocyrtus octoculatus* Bockemuhl (193) p. 144; Spitzbergen.
1956. *Lepidocyrtus 8-oculatus* Gisin (896) p. 8; Geneva.

Lepidocyrtus orientalis Handschin, 1929

1929. *Lepidocyrtus orientalis* Handschin (1006) p. 241, figs. 17, 18; Sth. India.
1936. *Lepidocyrtus orientalis* Denis (661) p. 270, figs. 31-33; Nth. India.
1951. *Lepidocyrtus orientalis* Roonwal (1665) p. 6; India.
1951. *Lepidocyrtus orientalis* Roonwal (1665) p. 503; India.

Lepidocyrtus pallescens Denis, 1948

1948. *Lepidocyrtus pallescens* Denis (676) p. 258, fig 25; Indo-China.

Lepidocyrtus pallidus Reuter, 1890

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1890. *Lepidocyrtus pallidus* Reuter (1638) p. 24, Pl. I, fig. 4; Finland.
1893. *Lepidocyrtus pallidus* Schött (1764) p. 14; Description (Latin); Cameroons.
1893. *Lepidocyrtus cyaneus pallidus* Schött (1765) p. 46; Finland.
1895. *Lepidocyrtus pallidus* Reuter (1643) p. 18; Finland and Cameroons.
1896. *Lepidocyrtus pallidus* Lie-Pettersen (1281) p. 13; Discussion; Norway.
1900. *Lepidocyrtus pallidus* Schäffer (1738) p. 250; = *cyaneus;* Europe; Nth. America; Cameroons.
1906. *Lepidocyrtus cyaneus pallidus* Wahlgren (2081) p 14; Cairo.
1907. *Lepidocyrtus pallidus* Axelson (83) p. 132; Finland.
1912. *Lepidocyrtus pallidus* Axelson (1292) p. 227; Finland; Diagnosis.
1926. *Lepidocyrtus pallidus* Schött (1779) p. 15; Cameroons.
1934. *Lepidocyrtus pallidus* Womersley (2177) p. 470; Europe; Cameroons.

Lepidocyrtus paradoxus Uzel, 1890

1840. *Paidium cucullatum* Koch (1187) p. 356–; Europe
1842. *Cyphodeirus capucinus* Nicolet (1493) p. 64, Pl 7, fig. 1; Europe.
1890. *Lepidocyrtus paradoxus* Uzel (2050) p. 50; Czechoslovakia.
1895. *Lepidocyrtus insignis* Reuter (1643) p. 16; Finland
1896. *Lepidocyrtus insignis* Schäffer (1735) p. 200; Germany.
1897. *Lepidocyrtus paradoxus* Schäffer (1735) p. 202; Germany.
1900. *Lepidocyrtus paradoxus* Carl (353) p. 4; Roumania.
1900. *Lepidocyrtus paradoxus* Schaffer (1739) p. 273; Germany.
1900. *Lepidocyrtus paradoxus* Vellay (2056) p. 21; Hungary.

* This species and *L. octopunctatus* have been treated by several earlier authors as synonyms. I am of the opinion, along with Handschin, however, that they are distinct, Börner's species being confined to Europe, while Caroli's is found only in North Africa and the Middle East.

1901. *Lepidocyrtus paradoxus* Carl (354) p. 268; Switzerland.
1901. *Lepidocyrtus paradoxus* Krausbauer (1204) p. 79; Germany.
1905. *Lepidocyrtus paradoxus* Becker (160) p. 93; Russia.
1907. *Lepidocyrtus insignis* Axelson (83) p. 112; Finland.
1911. *Lepidocyrtus paradoxus* Axelson (1291) p. 23; Norway.
1912. *Lepidocyrtus paradoxus* Axelson (1292) p. 224; Finland.
1912. *Lepidocyrtus paradoxus* Dahl (496) p. 423; Ecology.
1912. *Lepidocyrtus paradoxus* Schille (1756) p. 14; Galizien.
1922. *Lepidocyrtus paradoxus* Stach (1860) p. 37; Hungary.
1924. *Lepidocyrtus paradoxus* Denis (614) p. 1; France.
1924. *Lepidocyrtus paradoxus* Handschin (981) p. 138; Switzerland; Synonymy.
1926. *Lepidocyrtus paradoxus* Jackson (1118) p. 104, fig. 1; England (Wicken Fen); Europe.
1927. *Lepidocyrtus paradoxus* Denis (629) p. 201; Italy.
1928. *Lepidocyrtus paradoxus* Womersley (2154) p. 378; S.W. England.
1929. *Lepidocyrtus paradoxus* Handschin (1008) p. 86, fig. 156; Nth. and Middle Europe.
1930. *Lepidocyrtus paradoxus* Agrell (44) p. 168; Sweden.
1930. *Lepidocyrtus paradoxus* Stach (1869) p. 298; Middle Europe.
1930. *Lepidocyrtus paradoxus* Womersley (2165) p. 39; England.
1930. *Lepidocyrtus paradoxus* Womersley (2168) p. 188; Ireland.
1933. *Lepidocyrtus paradoxus* Schubert (1787) p. 181; Ecology.
1933. *Lepidocyrtus paradoxus* Turk (2007) p. 94; Britain.
1935. *Lepidocyrtus paradoxus* Schubert (1791) pp. 107–, 200–, 365–; Czechoslovakia; Germany; Tirol.
1936. *Lepidocyrtus paradoxus* Agrell (47) p. 126; Sweden.
1937. *Lepidocyrtus paradoxus* Schubert (1792) p. 127; Europe.
1938. *Lepidocyrtus paradoxus* Kseneman (1220) p. 18; Europe.
1941. *Lepidocyrtus paradoxus* Szent-Ivany (1947) p. 22; Hungary.
1943. *Lepidocyrtus paradoxus* Gisin (853) p. 170; Switzerland.
1951. *Lepidocyrtus paradoxus* Schaller (1746) p. 463; Ecology.
1952. *Lepidocyrtus paradoxus* Mihelcic (1406) p. 96; Ecology.
1955. *Lepidocyrtus paradoxus* Palissa (1545) p. 482; Ecology.
1955. *Lepidocyrtus paradoxus* Stach (1893) p. 156, fig. 474; Europe.
1956. *Lepidocyrtus paradoxus* Bockemuhl (193) p. 144; Spitzbergen.
1956. *Lepidocyrtus paradoxus* Paclt (1541) pp. 21, 104, 122; Biology.
1957. *Lepidocyrtus paradoxus* Gisin (901) p. 478; Madeira.
1957. *Lepidocyrtus paradoxus* Mayer (1390) p. 503, fig. 24; Biology.
1958. *Lepidocyrtus paradoxus* Palissa (2318) p. 467: Germany.
1958. *Lepidocyrtus paradoxus* von Torne (1993) p. 671; Austria.
1959. *Lepidocyrtus paradoxus* Da Gama (494) p. 33; Madeira.
1959. *Lepidocyrtus paradoxus* Da Gama (2266) p. 24; Portugal.
1960. *Lepidocyrtus paradoxus* Gisin (2271) p. 240, fig. 438; Europe.
1960. *Lepidocyrtus paradoxus* Grindbergs (2373) p. 51; U.S.S.R.
1960. *Lepidocyrtus paradoxus* Palissa (2319) p. 387; Systematics and Ecology.

Lepidocyrtus parallelus Folsom, 1924

SYNTYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1924. *Lepidocyrtus parallelus* Folsom (796) p. 508, Pl. 2, figs. 16–21; East Indies.
1928. *Lepidocyrtus parallelus* Handschin (1001) p. 266; Sumatra.

Lepidocyrtus parckardi Schött, 1896

1896. *Lepidocyrtus parckardi* Schött (1769) p. 173, Pl. I, figs. 11–13; Nth. America.

Lepidocyrtus parvidentatus Schaeffer, 1898

1898. *Lepidocyrtus parvidentatus* Schaeffer (1737) p. 417, figs. 27–29; Bismarck Archipelago.
1901. *Lepidocyrtus parvidentatus* Schött (1771) p. 324; Dutch New Guinea.
1926. *Lepidocyrtus parvidentatus* Handschin (989) p. 237, Pl. 2, figs. 9, 10; Philippines.
1930. *Lepidocyrtus parvidentatus* Handschin (1009) p. 414, Pl. I, fig. 14, Pl. 2, fig. 15; Philippines.
1937. *Lepidocyrtus parvidentatus* Womersley (2184) p. 206; Dutch New Guinea.

Lepidocyrtus parvulus (Nicolet) 1842

1842. *Cyphodeirus parvulus* Nicolet (1493) p. 67, Pl. 7, fig. 6; Europe.
1844. *Lepidocyrtus parvulus* Gervais (841) p. 412; Switzerland.
1844. *Cyphoderus parvulus* Lucas (1327) p. 293; Reference.
1847. *Cyphoderus parvulus* Nicolet (1496) p. 383; Switzerland.

Lepidocyrtus pearsei Mills, 1938

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1938. *Lepidocyrtus pearsei* Mills (1420) p. 188, figs. 20–24; Yucatan caves, Mexico.

Lepidocyrtus perturbans Denis, 1948

1948. *Lepidocyrtus perturbans* Denis (676) p. 257; Indo-China.

Lepidocyrtus pictus Schaeffer, 1898

1898. *Lepidocyrtus pictus* Schaeffer (1737) p. 415, figs. 15–18; Bismarck Archipelago.
1901. *Lepidocyrtus pictus* Schött (1771) p. 324; Dutch New Guinea; colour forms.
1925. *Lepidocyrtus pictus* Handschin (985) p. 267; Lambok, New Guinea.
1928. *Lepidocyrtus pictus* Handschin (1001) p. 266; Lambok.
1937. *Mesira picta* Womersley (2184) p. 206; Dutch New Guinea.

Lepidocyrtus pilifer Schött, 1901

1901. *Lepidocyrtus pilifer* Schött (1771) p. 325, figs. 38, 39; Dutch New Guinea.

Lepidocyrtus pistiae Delamare Deboutteville and Paulian, 1945

TYPE: Mus. Zool., Paris.
1945. *Lepidocyrtus pistiae* Del. Deb. & Paulian (599) p. 138, fig. 2; Ivory Coast.
1950. *Lepidocyrtus pistiae* Del. Deb. (570) p. 176; Ivory Coast.
1952. *Lepidocyrtus pistiae* Del. Deb. (2267) p. 76; Ivory Coast.

Lepidocyrtus plumosus Carpenter, 1935

1935. *Lepidocyrtus plumosus* Carpenter (400) p. 373, fig. 5; Marquesas.

Lepidocyrtus praecisus Schött, 1917

PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Lepidocyrtus praecisus* Schött (1774) p. 37, figs. 40–41; Queensland.
1934. *Lepidocyrtus praecisus* Womersley (2178) p. 122; Australia.
1939. *Lepidocyrtus praecisus* Womersley (2190) p. 280, fig. 61 N; Australia.

Lepidocyrtus pseudolanuginosis Yosii, 1942

1942. *Lepidocyrtus pseudolanuginosus* Yosii (2227) p. 493, fig. 16; Japan.
1958. *Lepidocyrtus pseudolanuginosis* Uchida (2044) p. 15; Japan.

Lepidocyrtus pseudopictus Womersley, 1928

1928. *Lepidocyrtus pseudopictus* Womersley (2157) p. 58, Pl. VI, figs. 6–9; New Hebrides.

Lepidocyrtus pulchellus Denis, 1926

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1926. *Lepidocyrtus pulchellus* Denis (626) p. 12; Italy.
1927. *Lepidocyrtus pulchellus* Denis (629) p. 201, figs. 52–54; Italy; Ad. descr.

Lepidocyrtus purpureus Lubbock, 1873

1873. *Lepidocyrtus purpureus* Lubbock (1318) p. 155, Pl. XXX; Britain.
1873. *Lepidocyrtus purpureus* McIntire (1353) p. 5, fig. 3; England.
1887. *Lepidocyrtus purpureus* Oudemans (1510) p. 98; Holland.
1890. *Lepidocyrtus purpureus* Reuter (1638) p. 18; Finland, greenhouses.
1890. *Lepidocyrtus purpureus* Uzel (2050) p. 51; Bohemia.
1891. *Lepidocyrtus purpureus* Parfitt (1550) p. 336; England.
1895. *Lepidocyrtus purpureus* Reuter (1643) p. 18; Finland; Sweden; England; Bohemia; Hungary.
1900. *Lepidocyrtus purpureus* Vellay (2065) p. 21; Hungary.
1902. *Lepidocyrtus purpureus* Becker (158) p. 30; Russia.
1903. *Lepidocyrtus purpureus* Guthrie (951) p. 87, Pl. VII 9-12; Minnesota.
1909. *Lepidocyrtus purpureus* Jackson (1116) p. 530, Pl. XXIX; Ohio.
1922. *Lepidocyrtus purpureus* Latzel (1250) p. 68; Ostalpen & Karstes.
1933. *Lepidocyrtus purpureus* James (1124) p. 108; Canada.
1942. *Lepidocyrtus purpureus* Scott (1796) p. 182; West U.S.A.
1959. *Lepidocyrtus purpureus* Lawrence (2294) p. 120–; England.

Lepidocyrtus pusillus (Linné) 1767

1767. *Podura pusilla* Linné (1302) p. 1014; Europe.
1775. *Podura pusilla* Muller (1471) p. 1020; Europe.
1780. *Podura pusilla* Fabricius (751) p. 212; Greenland.
1788. *Podura lanuginosa* Gmelin (910) p. 2911; Europe.
1793. *Podura pusilla* Fabricius (749) p. 67; Europe.
1793. *Podura pusilla* Gmelin (910) p. 2909; Europe.
1802. *Podura pusilla* Latreille (1241) p. 156; Greenland; Sweden.
1835. *Podura pusilla* Lacordaire & Boisduval (196) p. 114; Paris.
1840. *Podura pusilla* Lucas (1326) p. 565; Europe.
1842. *Cyphodeirus pusillus* Nicolet (1493) p. 65, Pl. 7, fig. 3; Europe.
1844. *Lepidocyrtus pusillus* Gervais (841) p. 411 (in part); Europe.
1844. *Cyphoderus pusillus* Lucas (1327) p. 293; Europe.
1847. *Cophoderus pusillus* Nicolet (1496) p. 383; Europe.
1869. *Lepidocyrtus pusillus* Porath (1608) p. 652; Scandinavia.
1871. *Lepidocyrtus aeneus* Tullberg (2002) p. 150 (in part); Scandinavia.
1873. *Lepidocyrtus aeneus* Lubbock (1318) p. 154, Pl. XXIX; Europe.
1873. *Lepidocyrtus pusillus* Lubbock (1318) p. 156 (in part); Europe.
1873. *Lepidocyrtus pusillus* Packard (1521) p. 37; Reference.
1878. *Lepidocyrtus pusillus* Parona (1557) p. 592; Italy.
1883. *Lepidocyrtus pusillus* Parona (1558) p. 462; Italy.
1890. *Lepidocyrtus lanuginosus* Uzel (2050) p. 52; Czechoslovakia.
1891. *Lepidocyrtus pusillus* MacGillivray (1341) p. 272; Greenland; Europe.
1893. *Lepidocyrtus lanuginosus* Schött (1765) p. 45; Siberia; Europe.
1895. *Lepidocyrtus lanuginosus* Reuter (1643) p. 19; Finland.
1896. *Lepidocyrtus lanuginosus* Lie-Pettersen (1281) p. 12; Norway.
1896. *Lepidocyrtus lanuginosus* Schäffer (1735) p. 200; Germany.
1897. *Lepidocyrtus lanuginosus* Poppe & Schaffer (1607) p. 271; Germany.
1900. *Lepidocyrtus pusillus* Vellay (2056) p. 21; Hungary.
1903. *Lepidocyrtus pusillus* Guthrie (951) p. 88; Minnesota; Synonymy.
1909. *Lepidocyrtus pusillus* Dow & Smith (692) p. 35; New Jersey.
1909. *Lepidocyrtus pusillus* Jackson (1116) p. 529, Pl XXVIII; Ohio.
1951. *Lepidocyrtus pusillus* Maynard (1393) p. 180, Pl I, fig. 10, XIX, 310; New York.
1954. *Lepidocyrtus pusillus* Bellinger (174) p. 24; Connecticut.
1956. *Lepidocyrtus pusillus* Wray & Knowlton (2215) p 8; Utah.

Lepidocyrtus ralumensis Schaeffer, 1898

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1898. *Lepidocyrtus ralumensis* Schaeffer (1737) p. 418, figs. 30–32; Bismarck Archipelago.
1917. **Lepidocyrtus ralumensis* Schött (1774) p. 36; Queensland.
1934. *Lepidocyrtus ralumensis* Womersley (2178) p. 122; Victoria; Australia.

1939. *Lepidocyrtus ralumensis* Womersley (2190) p. 201, fig. 61 L-M; Australia.
1960. *Acrocyrtus ralumensis* Yosii (2408) p. 22, fig. 11; Solomon Islands.

Lepidocyrtus rataensis Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidocyrtus rataensis* Salmon (1676) p. 375, Pl. 62, figs. 376–377, Pl. 63, fig. 378; New Zealand.

Lepidocyrtus rivularis Bourlet, 1841

1841. *Lepidocyrtus rivularis* Bourlet (261) p. 105; Europe.
1842. *Lepidocyrtus rivularis* Bourlet (265) p. 16; Europe
1844. *Lepidocyrtus rivularis* Lucas (1327) p. 287; Reference.
1893. *Lepidocyrtus rivularis* Schött (1765) p. 46; Sweden.
1898. *Lepidocyrtus rivularis* Scherbakow (1750) p. 60; Kiev, Russia.
1901. *Lepidocyrtus rivularis* Börner (234) p. 73; Germany.
1901. *Lepidocyrtus rivularis* Krausbauer (1204) p. 78; Germany.
1904. *Lepidocyrtus rivularis* Axelson (79) p. 77; Norway.
1905. *Lepidocyrtus rivularis* Axelson (81) p. 39; Tvärminne, Finland.
1907. *Lepidocyrtus rivularis* Axelson (83) p. 132; Finland.
1911. *Lepidocyrtus rivularis* Axelson (1291) p. 23; Norway.
1912. *Lepidocyrtus rivularis* Axelson (1292) p. 232; Finland; Diagnosis.
1919. *Lepidocyrtus rivularis* Handschin (977) p. 83; Nth. and Middle Europe; Systematics.
1919. *Lepidocyrtus rivularis* Wahlgren (2089) p. 751; Sweden.
1920. *Lepidocyrtus rivularis* Stach (1859) p. 182; Poland.
1922. *Lepidocyrtus rivularis* Stach (1860) p. 31; Hungary.
1927. *Lepidocyrtus rivularis* Womersley (2154) p. 377; S.W. England.
1930. *Lepidocyrtus rivularis* Stach (1869) p. 297; Europe.
1933. *Lepidocyrtus rivularis* Turk (2007) p. 94; Britain.
1937. *Lepidocyrtus rivularis* Drenowski (695) p. 3; Bulgaria.
1948. *Lepidocyrtus rivularis* Salt, etc. (1724) p. 144–; Ecology.
1951. *Lepidocyrtus rivularis* Stach (1889) p. 97; Poland.
1959. *Lepidocyrtus rivularis* Stach (1896) p. 45; Poland.
1960. *Lepidocyrtus lanuginosus rivularis* Palissa (2319) p. 391; Systematics and Ecology.

Lepidocyrtus rivularis albicans (Reuter) 1895

1895. *Lepidocyrtus albicans* Reuter (1643) p. 20; Finland.
1920. *Lepidocyrtus rivularis albicans* Stach (1859) p. 182; Poland.
1930. *Lepidocyrtus rivularis albicans* Stach (1869) p 297; Europe.

Lepidocyrtus robustus Imms, 1912

TYPE: Indian Mus., Calcutta.
1912. *Lepidocyrtus robustus* Imms (1090) p. 94; Travancore.

Lepidocyrtus ruber Schött, 1902

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1902. *Lepidocyrtus ruber* Schött (1772) p. 31, Pl. IV, figs. 6, 7; Boreal.
1901. *Lepidocyrtus lanuginosus* Börner (234) p. 74; Central Europe.
1906. *Lepidocyrtus ruber* Wahlgren (2080) p. 263; Sweden.
1908. *Lepidocyrtus ruber* Schille (1755) p. 13; Poland.
1910. *Lepidocyrtus ruber* Collinge & Shoebotham (472) 116, fig. 13; Scotland.
1912. *Lepidocyrtus ruber* Schille (1756) p. 14; Galizien, Poland.
1912. *Lepidocyrtus ruber* Schille (2394) p. 129; Poland.
1920. *Lepidocyrtus ruber* Stach (1859) p. 184; Poland.
1922. *Lepidocyrtus ruber* Stach (1860) p. 33; Hungary.
1927. *Lepidocyrtus pulchellus* Denis (629) p. 202; Italy.
1928. *Lepidocyrtus ruber* Jackson (1121) p. 302; Britain.
1930. *Lepidocyrtus ruber* Stach (1869) p. 297; Germany; Sweden; Poland.
1930. *Lepidocyrtus ruber* Womersley (2165) p. 39; England.
1931. *Lepidocyrtus ruber* Denis (639) p. 226; Germany.
1933. *Lepidocyrtus ruber* Turk (2007) p. 94; Britain.
1949. *Lepidocyrtus ruber* Gisin (872) p. 410; Taxonomy.
1952. *Lepidocyrtus ruber* MacFadyen (1337) p. 110; England, fen.
1955. *Lepidocyrtus ruber* Stach (1893) p. 155, fig. 473; Europe.
1957. *Lepidocyrtus ruber* Gunhold (2280) p. 467–; Ecology.
1959. *Lepidocyrtus ruber* Paclt (2317) p. 341; Czechoslovakia.
1960. *Lepidocyrtus ruber* Gisin (2271) p. 241; Europe.
1960. *Lepidocyrtus ruber* Grindbergs (2373) p. 52; U.S.S.R.

Lepidocyrtus ruber albidus Stach, 1920

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.
1920. *Lepidocyrtus ruber albida* Stach (1859) p. 185; Poland.
1930. *Lepidocyrtus ruber albidus* Stach (1869) p. 297; Poland; Hungary.

Lepidocyrtus sanguineus Jackson, 1909

1909. *Lepidocyrtus sanguineus* Jackson (1116) p. 631, Pl. XXX; Ohio.

Lepidocyrtus scaber Ritter, 1911

1911. *Lepidocyrtus scaber* Ritter (1661) p. 390, figs. 41–43; India; Ceylon.

Lepidocyrtus schaefferi Schött, 1901

1901. *Lepidocyrtus schäfferi* Schött (1771) p. 323, figs. 31–34; Dutch New Guinea.
1928. *Lepidocyrtinus schäfferi* Handschin (1001) p. 249; Java.
1930. *Lepidocyrtinus schäfferi* Handschin (1009) p. 417; Philippines.
1934. *Lepidocyrtinus schäfferi* Pierce (1593) p. 198; Philippines, attacking sugar cane.

Lepidocyrtus schmidti Handschin, 1927

1927. *Lepidocyrtus schmidti* Handschin (997) p. 113, figs. 17–19; Costa Rica.
1931. *Lepidocyrtus schmidti* Denis (638) p. 163; Costa Rica.

Lepidocyrtus semicoloratus Stach, 1936, in litt.

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.
1936. *Lepidocyrtus semicoloratus* Stach (in litt.).
1937. *Lepidocyrtus semicoloratus* Drenowski (695) p. 3; Bulgaria.

Lepidocyrtus serbicus Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Lepidocyrtus serbicus* Denis (644) p. 212; Yugoslavia.

1935. *Lepidocyrtus serbicus* Denis (652) p. 331; Yugoslavia.
1936. *Lepidocyrtus serbicus* Denis (660) p. 268; Yugoslavia.

Lepidocyrtus setosus Folsom, 1924

SYNTYPES: Mus. Comp. Zool., Harvard.
1924. *Lepidocyrtus setosus* Folsom (796) p. 509, Pl. 3, figs. 22–27; East Indies.

Lepidocyrtus sexoculatus Guthrie, 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, Minn., U.S.A.
1902. *Pseudosinella sexoculata* Schött (1772) p. 34; Scandinavia.
1903. *Lepidocyrtus sexoculatus* Guthrie (951) p. 86; Pl. VII, fig. 13; Minnesota.
1906. *Lepidocyrtus sexoculatus* Wahlgren (2080) p. 263; Sweden.
1907. *Lepidocyrtus sexoculatus* Axelson (83) p. 132; Finland.
1909. *Lepidocyrtus sexoculatus* Collinge & Shoebotham (471) p. 89; England. = *P. sexoculata* Schött.
1910. *Lepidocyrtus sexoculatus* Collinge & Shoebotham (472) p. 117; England.
1912. *Lepidocyrtus sexoculatus* Axelson (1292) p. 230; Finland; Ad. descr.
1927. *Lepidocyrtus sex-oculatus* Morris (1457) p. 451; Ecology.
1930. *Lepidocyrtus* (*Pseudosinella*) *sexoculatus* Stach (1869) p. 296; Europe.
1930. *Lepidocyrtus sexoculata* Stach (1870) p. 68, Pl. 14, figs. 1–3; Spain.
1933. *Lepidocyrtus* (*Pseudosinella*) *sexoculata* Denis (644) p. 212; Yugoslavia.
1935. *Lepidocyrtus sexoculata* Denis (652) p. 331; Yugoslavia.
1933. *Lepidocyrtus sexoculatus* Turk (2007) p. 94; Britain.
1937. *Lepidocyrtus* (*Pseudosinella*) *sexoculata* Drenowski (695) p. 3; Bulgaria.

Lepidocyrtus silvestris Carpenter, 1916

TYPE: (marked lectotype (?) of *Setogaster*): Brit. Mus. Nat. Hist., London.
1916. *Lepidocyrtus silvestris* Carpenter (390) p. 39, Pl. XV, figs. 28–30; Seychelles.
1929. *Lepidocyrtus silvestris* Handschin (1007) p. 27; Seychelles.
1934. *Lepidocyrtus silvestris* Womersley (2177) p. 470; Seychelles.

Lepidocyrtus simularis Brown, 1926

1926. *Lepidocyrtus simularis* Brown (305) p. 211, figs. 23, 24; Mesopotamia.
1942. *Lepidocyrtus simularis* Handschin (1012) p. 445; Mesopotamia.

Lepidocyrtus solomonensis (Yosii) 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1960. *Acrocyrtus solomonensis* Yosii (2408) p. 23, fig. 12; Solomon Islands.

Lepidocyrtus stramineus Carpenter, 1916

LECTOTYPE: Brit. Mus. Nat. Hist., London.
1916. *Lepidocyrtus stramineus* Carpenter (390) p. 40, Pl. XV, figs. 37–39; Seychelles.
1929. *Lepidocyrtus stramineus* Handschin (1007) p. 27; Seychelles.
1934. *Lepidocyrtus stramineus* Womersley (2177) p. 470; Seychelles.

Lepidocyrtus sublobatus (Yosii) 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Discocyrtus sublobatus* Yosii (2569) p. 176, fig. 4; Thailand.

Lepidocyrtus submontanus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidocyrtus submontanus* Salmon (1676) p. 372, Pl. 62, figs. 361–363; New Zealand.

Lepidocyrtus suborientalis Denis, 1948

1948. *Lepidocyrtus suborientalis* Denis (676) p. 252; Indo-China.
1959. *Lepidocyrtus* (*Discocyrtus*) *suborientalis* Yosii (2355) p. 35, figs. 19, 20; Singapore.
1960. *Discocyrtus suborientalis* Yosii (2408) p. 26; Solomon Islands.

Lepidocyrtus subpistiae Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Lepidocyrtus subpistiae* Delamare Deboutteville (570) p. 83; Ivory Coast.

Lepidocyrtus traegaardhi Wahlgren, 1906

1906. *Lepidocyrtus traegaardhi* Wahlgren (2081) p. 11, figs. 18–20; Sudan.
1929. *Lepidocyrtinus traeghardi* Handschin (1007) p. 27; Nyasa.
1932. *Folsomia tragardi* Durkop (706) p. 235; Germany.
1934. *Folsomia tragardi* Durkop (707) p. 235; Germany.
1960. *Seira traegaardhi* Gisin (2271) p. 235; Egypt.

Lepidocyrtus unafascius Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Lepidocyrtus unafascia* Salmon (1676) p. 374, Pl. 62, figs. 370–372; New Zealand.

Lepidocyrtus unifasciatus James, 1933

1933. *Lepidocyrtus unifasciatus* James (1124) p. 77, Pl. II, figs. 1, 2, 4, 5; Toronto.
1938. *Lepidocyrtus unifasciatus* Brimley (275) p. 16; N. Carolina.
1938. *Lepidocyrtus unifasciatus* Mills (1421) p. 16; N. Carolina.
1946. *Lepidocyrtus unifasciatus* Pearse (1575) p. 139; Ecology.
1951. *Lepidocyrtus unifasciatus* Maynard (1393) p. 175, Pl. XVIII, 300; New York.

Lepidocyrtus unifasciatus neofasciatus Wray, 1948

TYPE: Insect. Surv. Mus., N.C. Dept. Agric., Raleigh, N. Carolina.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1948. *Lepidocyrtus unifasciatus neofasciatus* Wray (2199) p. 44, figs. 1–4; Nth. Carolina.
1950. *Lepidocyrtus unifasciatus neofasciatus* Wray (2202) p. 6; Nth. Carolina.

Lepidocyrtus usitatus Folsom, 1927

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1927. *Lepidocyrtus usitatus* Folsom (799) p. 8, Pl. 6, figs. 51–54; Canal Zone; Honduras; Central America.

Lepidocyrtus variabilis Oudemans, 1890

1890. *Lepidocyrtus variabilis* Oudemans (1512) p. 84; East Indies.
1928. *Lepidocyrtus variabilis* Handschin (1001) p. 266; Sumatra.

Lepidocyrtus vespensis Womersley, 1930

TYPE: Brit. Mus. Nat. Hist., London.

1930. *Lepidocyrtus vespensis* Womersley (2167) p. 152, fig. 11; Britain.

1933. *Lepidocyrtus vespenis* Turk (2007) p. 94; Britain.

Lepidocyrtus vestitus Handschin, 1930

1930. *Lepidocyrtus vestitus* Handschin (1009) p. 414, Pl. I, figs. 12, 13; Philippines.

Lepidocyrtus vexans Denis, 1933

1933. *Lepidocyrtus vexans* Denis (645) p. 250, figs. 28–35; Costa Rica.

Lepidocyrtus vicarius Börner, 1906

1906. *Lepidocyrtus vicarius* Börner (243) p. 175; Japan.
1938. *Lepidocyrtus vicarius* Uchida (2015) p. 8; Japan.
1958. *Lepidocyrtus vicarius* Uchida (2044) p. 14; Japan.

Lepidocyrtus violaceus (Geoffroy) 1762

1762. *Podura violaceo* Geoffroy (837) p. 611; Paris.
1839. *Isotoma violacea* Bourlet (259) p. 404; Europe.
1841. *Podura violacea* Bourlet (261) p. 119; Europe.
1842. *Podura violacea* Bourlet (265) p. 28; Europe.
1844. *Isotoma violacea* Gervais (841) p. 435; France.
1847. *Isotoma violaceus* Nicolet (1496) p. 335; Taxonomy.
1847. *Cyphoderus violaceus* Nicolet (1496) p. 335; Taxonomy.
1847. *Cyphoderus violaceus* Nicolet (1496) p. 382; France.
1871. *Lepidocyrtus cyaneus* Tullberg (2002) p. 150; Scandinavia.
1873. *Lepidocyrtus violaceus* Lubbock (1318) pp. 15, 16, 25, 154, Pls. 28, 75; Britain.
1873. *Lepidocyrtus violaceus* Lubbock (1318) p. 154, Pl. XXVIII; Britain.
1873. *Lepidocyrtus metallicus* Packard (1521) p. 36; Massachusetts.
1883. *Lepidocyrtus violaceus* Parona (1558) p. 462; Italy.
1887. *Lepidocyrtus violaceus* Oudemans (1510) p. 98; Holland.
1888. *Lepidocyrtus violaceus* Parona (1563) p. 133–; Italy.
1890. *Lepidocyrtus violaceo* Reuter (1638) p. 25; Europe.
1890. *Lepidocyrtus violaceus* Uzel (2050) p. 51; Bohemia.
1891. *Lepidocyrtus violaceus* Parfitt (1550) p. 335; England.
1891. *Lepidocyrtus violaceus* Uzel (2051) p. 919; Helgoland.
1900. *Lepidocyrtus violaceus* Vellay (2056) p. 21; Hungary.
1901. *Lepidocyrtus violaceus* Bryan (556) p. 152; England, in cellars.
1903. *Lepidocyrtus aenescens* Guthrie (951) p. 89; Minnesota.
1908. *Lepidocyrtus violaceus* Foster (814) p. 23; England.
1927. *Isotoma violacea* Handschin (999) p. 298; Germany.
1928. *Isotoma violacea* Handschin (1005) p. 5; Algeria.
1934. *Lepidocyrtus violaceus* Perrier (1576) p. 38; France.
1943. *Lepidocyrtus violaceus* Gisin (853) p. 171; Switzerland.
1944. *Lepidocyrtus violaceus* Gisin (855) p. 30; Switzerland; Differential diagnosis.
1948. *Lepidocyrtus violaceus* Gisin (867) p. 80; Switzerland.
1951. *Lepidocyrtus violaceus* Maynard (1393) p. 177, Pl. I, fig. 11; New York.
1951. *Lepidocyrtus violaceus* Praport (1610) p. 143; Poland.
1953. *Lepidocyrtus violaceus* Hammer (972) p. 56; Nth. Canada.
1955. *Lepidocyrtus violaceus* Lengersdorf (1277) p. 168; Cave Collembola.
1956. *Lepidocyrtus violaceus* Goto (926) p. 8; Outer Hebrides.
1956. *Lepidocyrtus violaceus* Paclt (1541) p. 12; Biology.
1958. *Lepidocyrtus violaceus* von Torne (1993) p. 671; Austria.
1959. *Lepidocyrtus violaceus* Haybach (2375) Tab. VIII; Ecology.
1959. *Lepidocyrtus violaceus* Stach (1896) p. 46; Poland.
1959. *Lepidocyrtus violaceus* Strebel (2344) p. 92–; Germany.

***Lepidocyrtus yosii** *nom. nov.*

TYPE: Yosii's Colln., Yoshida Coll., Kyoto Univ., Japan.

1961. *Acrocyrtus bipunctatus* Yosii (2569) p. 175, fig. 3; Thailand.

Lepidocyrtus zygophorus Schille, 1908

TYPE: Brit. Mus. Nat. Hist., London.

1908. *Lepidocyrtus zygophorus* Schille (1755) p. 13; Poland.
1912. *Lepidocyrtus zygophorus* Schille (1756) p. 14, figs. c, d, (Galizien), Poland.
1912. *Lepidocyrtus zygophorus* Schille (2394) p. 129; Poland.
1920. *Lepidocyrtus zygophorus* Stach (1859) p. 179; Poland; discussion.
1930. *Lepidocyrtus* (*Pseudosinella*) *zygophorus* Stach (1869) p. 297; Poland.
1937. *Lepidocyrtus* (*Pseudosinella*) *zygophorus* Drenowski (695) p. 3; Bulgaria.
1940. *Pseudosinella zygophorus* Szent-Ivany (1945) p. 120; Europe.

Lepidocyrtus zygophorus albidus Stach, 1930

TYPE: Inst. Syst. Zool., Pol. Acad. Sci., Cracow, Poland.

1930. *Lepidocyrtus zygophorus albidus* Stach (1870) p. 65, Pl. XIV, figs. 9–10; Spain.

Genus: DREPANOCYRTUS Handschin, 1924 (982) p. 17.
Type species now designated: *D. reichenspergeri* Handschin, by monotypy.

Drepanocyrtus dowlingi Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.

1953. *Drepanocyrtus dowlingi* Wray (2205) p. 5, fig. II O-S; Central America.

†Drepanocyrtus flavovirens (Börner) 1903

TYPE: Deutsch. Entom. Inst., Berlin.

1903. *Lepidocyrtus flavovirens* Börner (239) p. 150, fig. 12; Nyasa.
1929. *Lepidocyrtinus flavovirens* Handschin (1007) p. 27: Sudan; East Africa; Kilimanjaro, Nyasa.

* As the specific name *bipunctatus* is pre-occupied in *Lepidocyrtus* by Packard's species, I have renamed Yosii's species.

† This species is moved to the genus *Drepanocyrtus* on account of the falciform mucro.

1934. *Lepidocyrtinus flavovirens* Womersley (2177) pp. 463, 471; South Africa; Brit. East Africa; Nyasa; Sudan; Kilimanjaro.
1945. *Lepidocyrtinus flavovirens* Del. Deb. (539) p. 34; Uganda.
1959. *Seira* (*s. str.*) *flavovirens* Yosii (2353) p. 18, fig. 10; South Africa.

Drepanocyrtus flavovirens annulosus (Wahlgren) 1906

1906. *Lepidocyrtus flavovireus annulosa* Wahlgren (2081) p. 13, figs. 21–23; Egypt.
1908. *Lepidocyrtus flavovirens annulosa* Wahlgren (2086) p. 6; Kilimanjaro.
1926. *Lepidocyrtus flavovireus annulosa* Philiptschenko (1592) p. 189; Brit. East Africa.
1934. *Lepidocyrtinus flavovirens annulosa* Womersley (2177) pp. 463, 471; South Africa; Egypt.

Drepanocyrtus flavovirens brevidentatus (Denis) 1924

1924. *Sira flavovirens brevidentata* Denis (616) p. 245, figs. 72–74; Ivory Coast.

Drepanocyrtus knowltoni Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Drepanocyrtus knowltoni* Wray (2205) p. 5, Fig. II K-N; Utah.

Drepanocyrtus reichenspergeri Handschin, 1924

1924. *Drepanocyrtus reichenspergeri* Handschin (982) p. 17, fig. 3; Sth. America.

Drepanocyrtus reinhardi Mills, 1931

COTYPE: Amer. Mus. Nat. Hist., New York.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1931. *Drepanocyrtus reinhardi* Mills (1415) p. 9, figs. 23–25; Texas.

Drepanocyrtus steinmetzi Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Drepanocyrtus steinmetzi* Wray (2205) p. 4, fig. 2 G-J; North Carolina.

Drepanocyrtus terrestris Folsom, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Drepanocyrtus terrestris* Folsom (801) p. 69, Pl. 9, figs. 97–102, Pl. 10, figs. 103–104; Hawaii.
1948. *Drepanocyrtus terrestris* Zimmerman (2237) p. 62, fig. 29 a-i; Hawaii.
1955. *Drepanocyrtus terrestris* Uchida (2033) p. 205, fig. 2; Marcus Island.

Genus: LEPIDIAPHANUS Salmon, 1949 (1689) p. 41.
Type species fixed: *L. eudyptidus*, by Salmon, 1949 (1689) p. 41.

Lepidiaphanus eudyptidus Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.
1949. *Lepidiaphanus eudyptidus* Salmon (1689) p. 42, figs. 131–139; Campbell Island.

Genus: SETOGASTER Salmon, 1951 (1692) p. 25.
= *Trichogaster* Handschin, 1932 (1010) p. 481.
Type species now designated: *S. bispinosus*, Handschin, by monotypy.

Setogaster bispinosus (Handschin) 1932

1932. *Trichogaster bispinosus* Handschin (1010) p. 481, figs. 7, 8; Java.

Setogaster coeruleus (Salmon) 1951

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
PARATYPES: Raffles. Mus., Singapore.
1951. *Trichogaster coerulea* Salmon (1694) p. 134, figs. 18–20; Singapore.

Setogaster fasciatus (Salmon) 1951

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.
1951. *Trichogaster fasciata* Salmon (1694) p. 135, figs. 21–24; Malaya.

Setogaster pallidus (Salmon) 1951

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.
1951. *Trichogaster pallida* Salmon (1694) p. 136, figs. 25–27; Malaya.

Tribe TROGLOPEDETINI Börner 1913 (249) p. 321
Genus: TROGLOPEDETES Absolon, 1907 (23) p. 335.
= *Cyphoderopsis* Carpenter, 1917 (391) p. 566.
= *Trogolaphysa* Mills, 1938 (1420) p. 184.
Type species fixed: *T. pallidus* Absolon, by Ca penter, 1917 (391) p. 566, for *Cyphoderopsis*.

Troglopedetes absoloni Bonet, 1931

1931. *Troglopedetes absoloni* Bonet (205) p. 363, fig. XXIX; Spain.
1942. *Troglopedets absoloni* Absolon & Kseneman (27) p. 11, fig. 11.
1950. *Troglopedetes absoloni* Delamare Deboutteville (570) p. 295; Spain.
1960. *Troglopedetes absoloni* Gisin (2271) p. 258, fig. 470; Spain.

Troglopedetes canis Christiansen, 1956

HOLOTYPE and PARATYPES: Auth. Colln., Grinnell Coll., Iowa, U.S.A.
1956. *Troglopedetes canis* Christiansen (444) p. 86, Pl. 6, figs. 6–8; Lebanon.
1960. *Troglopedetes canis* Gisin (2271) p. 258; Lebanon.

Troglopedetes cavernicolus Delamare Deboutteville, 1944

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1944. *Troglopedetes cavernicola* Delamare Deboutteville (535) p. 30, figs. 1, 2; Portugal.
1950. *Troglopedetes cavernicola* Delamare Deboutteville (570) p. 295; Portugal.
1960. *Troglopedetes cavernicola* Gisin (2271) p. 258; Portugal.

Troglopedetes kempi (Carpenter) 1917

TYPE: Indian Mus., Calcutta.
1917. *Cyphoderopsis kempi* Carpenter (391) Pl. LVII, figs. 34–38; Assam.
1942. *Cyphoderopsis kempi* Absolon & Kseneman (27) p. 18, fig. 17; Assam.
1950. *Cyphoderopsis kempi* Delamare Deboutteville (570) p. 293; Assam.

Troglopedetes lamottei (Delamare Deboutteville) 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Cyphoderopsis lamottei* Delamare Deboutteville (567) p. 44, figs. 7–11; French Guinea.
1950. *Cyphoderopsis lamottei* Delamare Deboutteville (570) p. 293; French Guinea.

Troglopedetes laticlavatus Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow, Poland.
1960. *Troglopedetes laticlavus* Stach (2586) p. 545, Pl. LXXVIII, figs. 1–6; *lapsus calami;* Afghanistan.

Troglopedetes machadoi Delamare Deboutteville, 1946

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1946. *Troglopedetes machadoi* Delamare Deboutteville (542) p. 101, fig. 2 A-E; Portugal.
1950. *Troglopedetes Machadoi* Delamare Deboutteville (570) p. 295; Portugal.
1960. *Troglopedetes Machadoi* Gisin (2271) p. 257, fig. 469; Portugal.

Troglopedetes maya (Mills) 1938

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.

1938. *Trogolaphysa maya* Mills (1420) p. 184, figs. 13–16; Yucatan caves, Mexico.
1942. *Trogolaphysa maya* Absolon & Kseneman (27) p. 22, fig. 21.
1950. *Trogolaphysa maya* Delamare Deboutteville (570) p. 293; Mexico.

Troglopedetes millsi (Arlé) 1939

1939. *Trogolaphysa millsi* Arlé (62) figs. 14–16; Rio de Janiero.
1950. *Troglopedetina Millsi* Delamare Deboutteville (570) p. 293; Rio de Janiero.

Troglopedetes nayakensis Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow, Poland.

1960. *Troglopedetes nayakensis* Stach (2585) p. 543, Pl. LXXIX, figs. 1–2; Afghanistan.

Troglopedetes orientalis Cassagnau and Delamare Deboutteville, 1955

TYPE: Auth. Colln., Univ. Toulouse, France.

1955. *Troglopedetes orientalis* Cassagnau & Delamare Deboutteville (428) p. 385, fig. 11; Lebanon.
1956. *Troglopedetes orientalis* Christiansen (444) p. 86; Lebanon.
1960. *Troglopedetes orientalis* Gisin (2271) p. 258; Lebanon.

Troglopedetes pallidus Absolon, 1907

1907. *Troglopedetes pallidus* Absolon (23) p. 335, figs. 1-2; Austria. (Genotype of *Troglopedetes*.)
1922. *Troglopedetes pallidus* Latzel (1250) p. 73; Ostalpen & Karstes.
1924. *Cyphoderopsis gracilis* Carpenter (394) p. 288; Assam.
1931. *Troglopedetes gracilis* Bonet (205) p. 389; Assam, in caves.
1931. *Troglopedetes pallidus* Bonet (205) p. 390; Istria, in caves.
1942. *Cyphoderopsis gracilis* Absolon & Kseneman (27) p. 18, fig. 18.
1950. *Troglopedetes gracilis* Delamare Deboutteville (570) p. 295; Assam, in caves.
1950. *Troglopedetes pallidus* Delamare Deboutteville (570) p. 293; Austria.
1960. *Troglopedetes pallidus* Gisin (2271) p. 257, fig. 468; Istria.

Troglopedetes pallidus distinctus Absolon and Kseneman, 1942

1942. *Troglopedetes pallidus distincta* Absolon & Kseneman (27) p. 6, figs. 1–10; South Europe.
1950. *Troglopedetes pallidus distincta* Delamare Deboutteville (570) p. 295; Brazza Islands.
1960. *Troglopedetes pallidus distincta* Gisin (2271) p. 257, fig. 57; Brazza Islands.

Troglopedetes ruffoi Delamare Deboutteville, 1951

SYNTYPES: Brit. Mus. Nat. Hist., London.

1951. *Troglopedetes ruffoi* Delamare Deboutteville (576) p. 44, figs. 2–9; Italy.
1950. *Troglopedetes ruffoi* Delamare Deboutteville (570) p. 295; Italy.
1960. *Troglopedetes ruffoi* Gisin (2271) p. 256, fig. 467; Italy.

Troglopedetes vandeli Cassagnau and Delamare Deboutteville, 1955

TYPE: Auth. Colln., Univ. Toulouse, France.

1955. *Troglopedetes vandeli* Cassagnau & Delamare Deboutteville (428) p. 387, fig. 12; Lebanon.
1956. *Troglopedetes vandeli* Christiansen (444) p. 86; Lebanon.
1960. *Troglopedetes vandeli* Gisin (2271) p. 257; Lebanon.

Troglopedetes wichmanni Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Troglopedetes wichmanni* Delamare Deboutteville (570) p. 295; Crete.

Genus: TROGLOPEDETINA Delamare Deboutteville, 1945 (539) p. 40.

Type species now designated: *T. jeanneli* Delamare Deboutteville, by monotypy.

***Troglopedetina binoculata** Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Troglopedetina binoculata* Delamare Deboutteville (570) p. 293; Ivory Coast.

Troglopedetina jeanneli Delamare Deboutteville, 1945

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1945. *Troglopedetina jeanneli* Delamare Deboutteville (539) p. 41, figs. 3, 4; Mt. Elgon, Africa.
1950. *Troglopedetina jeanneli* Delamare Deboutteville (570) p. 293; Kenya, East Africa.

Troglopedetina lindbergi Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow, Poland.

1960. *Troglopedetina Lindbergi* Stach (2586) p. 546, Pl. LXXIX, figs. 3–8; Afghanistan.

***Troglopedetina lucida** Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Troglopedetina lucida* Delamare Deboutteville (570) p. 293; Kenya, East Africa.

***Troglopedetina occulta** Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Troglopedetina occulta* Delamare Deboutteville (570) p. 293; Aberdare.

***Troglopedetina oculata** Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Troglopedetina oculata* Delamare Deboutteville (570) p. 293; Ivory Coast.

* These species of *Troglopedetina* have neither been described nor figured. They are names published without description and are therefore invalid under Article 13 of the International Code of Zoological Nomenclature.

***Troglopedetina quadrioculata** Delamare Deboutteville, 1950
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Troglopedetina 4-oculata* Delamare Deboutteville (570) pp. 82, 293; Ivory Coast.

Troglopedetina schalleri Huther, 1962
1962. *Troglopedetina schalleri* Huther (2485) p. 219, figs. 1–4, 6–15; Sudan.

***Troglopedetina spinata** Delamare Deboutteville, 1950
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Troglopedetina spinata* Delamare Deboutteville (570) p. 293; Kenya.

Troglopedetina tridentata Salmon, 1954
HOLOTYPE: Brit. Mus. Nat. Hist., London.
PARATYPES: Mus. Comp. Zool., Harvard; Auth. Colln., Victoria Univ., Wellington, N.Z.
1954. *Troglopedetina tridentata* Salmon (1701) p. 161, figs. 1–8; Uganda.

Genus: TROGONELLA Delamare Deboutteville 1951 (579) p. 1073.
Type species fixed: *T. pauliani* by Delamare Deboutteville, 1951 (579) p. 1073.

Trogonella pauliani Delamare Deboutteville, 1950
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Trogonella Pauliani* Delamare Deboutteville (570) pp. 61, 293, fig. 15; Ivory Coast.
1951. *Trogonella Pauliani* Delamare Deboutteville (579) p. 1073, figs. 13–18; Ivory Coast.

Tribe CYPHODERINI Börner 1913 (249) p. 321

Genus: SERRODERUS Delamare Deboutteville, 1948 (561) p. 369.
=*Setoderus* Yosii, 1959 (2355) p. 56.
Type species fixed: *S. distinctus* (Denis), by Delamare Deboutteville, 1948 (561) p. 369.

Serroderus acanthotermiensis Delamare Deboutteville, 1948
TYPE: Zool. Mus., Paris.
1948. *Serroderus acanthotermiensis* Delamare Deboutteville (561) p. 382, figs. 123–125; Ivory Coast.

Serroderus alfredi (Yosii) 1959
TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Setoderus alfredi* Yosii (2355) p. 56, fig. 32; Malaya.

Serroderus bilobatus Delamare Deboutteville, 1948
TYPE: Auth. Colln., Univ. Nancy, France.
1948. *Serroderus bilobatus* Delamare Deboutteville (561) p. 375, figs. 96–98; Ivory Coast.

Serroderus distinctus (Denis) 1942
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1942. *Cyphoderus distinctus* Denis (669) p. 1, fig. 1; Ivory Coast.
1948. *Serroderus distinctus* Delamare Deboutteville (561) p. 373; Diagnosis.
1951. *Cyphoderus distinctus* Delamare Deboutteville (577) p. 271; on Epiphytes.

Serroderus humilis Delamare Deboutteville, 1948
TYPE: Zool. Mus., Paris.
1948. *Serroderus humilis* Delamare Deboutteville (561) p. 371, figs. 88–91; Ivory Coast.
1950. *Serroderus humilis* Delamare Deboutteville (570) p. 65–; Ivory Coast.

Serroderus humilis aurantius Delamare Deboutteville, 1948
TYPE: Zool. Mus., Paris.
1948. *Serroderus humilis aurantia* Delamare Deboutteville (561) p. 372; Mt. Tokoui, Ivory Coast.

Serroderus humilis guanobius (Del. Deb. and Paulian) 1948
TYPE: Zool. Mus., Paris.
1948. *Cyphoderus humilis guanobia* Del. Deb. & Paulian (601) p. 66; Ivory Coast.
1948. *Serroderus humilis guanobia* Del. Deb. (561) p. 372; Ivory Coast.

Serroderus interpositus (Denis) 1942
TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1942. *Cyphoderus interpositus* Denis (669) p. 5, fig. 2; Ivory Coast.
1948. *Serroderus interpositus* Delamare Deboutteville (561) p. 376, figs. 100–111; Diagnosis.

Serroderus interpositus termitophilus Delamare Deboutteville, 1948
TYPE, COTYPES: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Serroderus interpositus termitophila* Delamare Deboutteville (561) p. 378, figs. 112–115; Ivory Coast.

Serroderus orientalis (Folsom) 1924
1924. *Cyphoderus orientalis* Folsom (796) p. 513, Pl. 5, figs. 38–41; East Indies.
1930. *Cyphoderus orientalis* Handschin (1009) p. 422; Philippines.
1942. *Cyphoderus bidenticulatus* Handschin (1012) p. 435; = *orientalis*.
1948. *Serroderus orientalis* Delamare Deboutteville (561) p. 373; Diagnosis.

Serroderus protermiensis Delamare Deboutteville, 1948
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Serroderus protermiensis* Delamare Deboutteville (561) p. 381, figs. 121–122; Ivory Coast.

Serroderus socialis Delamare Deboutteville, 1948
TYPE: Zool. Mus., Paris.
1948. *Serroderus socialis* Delamare Deboutteville (561) p. 379, figs. 116–120; Ivory Coast.

Serroderus sublimus Delamare Deboutteville, 1948
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Serroderus sublimus* Delamare Deboutteville (561) p. 374, figs. 92–95; Ivory Coast.

Genus: PARACYPHODERUS Delamare Deboutteville, 1948 (561) p. 365.
Type species fixed: *P. dimorphus* (Silvestri), by Delamare Deboutteville, 1948 (561) p. 365.

Paracyphoderus dimorphus (Silvestri) 1910
1910. *Cyphoderus dimorphus* Silvestri (1824) p. 68, fig. IV, V; Mexico.
1913. *Cyphoderus dimorphus* Börner (250) p. 277; Mexico.
1948. *Paracyphoderus dimorphus* Delamare Deboutteville (561) p. 365; Diagnosis.

* See footnote to p. 531.

Genus: CEPHALOPHILUS Delamare Deboutteville, 1948 (561) p. 382.

Type species fixed: *C. rectangularis*, by Delamare Deboutteville, 1948 (561) p. 382.

Cephalophilus protermiensis Delamare Deboutteville, 1948

TYPE: Zool. Mus., Paris.

1948. *Cephalophilus protermiensis* Delamare Deboutteville (561) p. 386, figs. 136–142; Ivory Coast.

Cephalophilus rectangularis Delamare Deboutteville, 1948

TYPE: Zool. Mus., Paris.

1948. *Cephalophilus rectangularis* Delamare Deboutteville (561) p. 383, figs. 126–135; Ivory Coast.

Genus: CYPHODERUS Nicolet, 1841 (1492) p. 381.
= *Cyphodurus* Nicolet, 1841 (1492) p. 384.
= *Cyphodeirus* Nicolet, 1842 (1493) p. 63.
= *Beckia* Lubbock, 1870 (1317) p. 279.

Type species fixed: *C. albinus* Nicolet, by Börner, 1903 (239) p. 180, by selection.

Cyphoderus (emend. of *Cyphodeirus*) proposed by Gisin, 1954 (1100) p. 103.

Cyphodeirus—spelling invalidated by Commission, 1958 (2376) p. 14.

Cyphoderus (emend. of *Cyphodeirus* Nic., 1842); placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 93.

Cyphoderus adelaideae Womersley, 1934

COTYPES: Sth. Austr. Mus., Adelaide.

1934. *Cyphoderus adelaideae* Womersley (2178) p. 129, fig. 18 d-f; South Australia.
1939. *Cyphoderus adelaideae* Womersley (2190) p. 214, fig. 64 T-U; Sth. Australia.
1948. *Cyphoderus adelaideae* Delamare Deboutteville (561) p. 336; Diagnosis.

Cyphoderus affinis Giard, 1895

1895. *Cyphoderus affinis* Giard (846) p. 217; Chile.

Cyphoderus africanus Womersley, 1926

TYPE: Brit. Mus. Nat. Hist., London.

1926. *Cyphoderus africanus* Womersley (2162) p. 155, figs. 10–11; Sth. Rhodesia.
1934. *Cyphoderus africanus* Womersley (2177) p. 473; Sth. Rhodesia.
1948. *Cyphoderus africanus* Delamare Deboutteville (561) p. 341; Diagnosis.
1959. *Cyphoderus africanus* Paclt (2316) p. 60; South Africa.

Cyphoderus agilis Nicolet, 1842

1842. *Cyphodeirus agilis* Nicolet (1493) p. 66, Pl. 7, fig. 5; Europe.
1844. *Cyphoderus agilis* Lucas (1327) p. 293; Reference.
1845. *Cyphodeirus agilis* Bourlet (266) p. 67; Europe.
1873. *Cyphodeirus agilis* Lubbock (1318) p. 155; = *Lepidocyrtus*.
1875. *Cyphodeirus agilis* Parona (1556) p. 299; Italy.

Cyphoderus agnotus Börner, 1906

1895. *Beckia albinos* Parona (1565) p. 2; Argentina.
1906. *Cyphoderus agnotus* Börner (243) p. 180; Argentina.
1913. *Cophoderus agnotus* Börner (250) p. 277, fig. 3; Argentina; Java.
1942. *Cyphoderus agnotus* Handschin (1012) p. 441, fig. 10; Mesopotamia; Palestine.
1948. *Cyphoderus agnotus* Delamare Deboutteville (561) p. 343; Diagnosis.
1956. *Cyphoderus agnotus* Christiansen (444) p. 85; Palestine.

Cyphoderus albinus (Nicolet) 1842

HYPOTYPES: Lab. Zool., Fac. Sci., Dijon, France; Sth. Austr. Mus., Adelaide.

1783. *Crystalpoduren* Fabricius (752) p. 303; Denmark.
1842. *Cyphodeirus albinos* Nicolet (1493) p. 67, Pl. VII, fig. 7; Europe.
1844. *Lepidocyrtus albinos* Gervais (841) p. 412; France; Switzerland.
1844. *Cyphoderus albinus* Lucas (1327) p. 293; Reference.
1845. *Cyphodeirus albinos* Bourlet (266) p. 67; Europe.
1845. *Lepidocyrtus argentatus* Bourlet (266) p. 67; Europe.
1846. *Cyphoderus albinos* Nicolet (1496) p. 383; Switzerland.
1868. *Lepidocyrtus albinos* Lubbock (1316) p. 301; England.
1871. *Cyphoderus albinus* Tullberg (2002) p. 150; Sweden.
1872. *Cyphoderus albinus* Tullberg (2003) p. 38, Pl. VI, figs. 12–21; Sweden.
1873. *Beckia albinos* Lubbock (1318) p. 149, Pl. XXIV; Switzerland; England.
1875. *Cyphodeirus albinos* Parona (1556) p. 299; Italy.
1878. *Beckia albinos* Parona (1557) p. 588; Italy.
1882. *Cyphoderus albinus* Joseph (1150) p. 30; Europe, cave Collembola.
1882. *Beckia argenta* Tomosvary (1983) p. 124; Hungary.
1883. *Beckia albinos* Parona (1558) p. 462; Italy.
1883. *Camponotus albinos* sp. Tomosvary (1986) p. 51; Hungary.
1884. *Beckia albinos* Brook (293) p. 12; England.
1886. *Beckia* (*Cyphoderus*) *albinos* Reuter (1637) p. 179; Systematics.
1887. *Cyphoderus albinus* Oudemans (1510) p. 97; Holland.
1887. *Cyphoderus albinos* Oudemans (1510) p. 97; Bohemia.
1887. *Beckia albinos* Parona (1561) p. 481; Italy.
1888. *Beckia albinos* Dalla Torre (497) p. 153.
1888. *Beckia argenta* Dalla Torre (497) p. 153; Tyrol.
1888. *Beckia albinos* Parona (1563) p. 140; Italy.
1890. *Cyphoderus albinus* Uzel (2050) p. 49; Bohemia.
1891. *Cyphoderus albinos* Moniez (1446) p. 64; France, ant hill.
1891. *Cyphoderus albinos* Moniez (1447) p. 69; France.
1891. *Beckia argentea* Parfitt (1550) p. 335; England.
1891. *Cyphoderus albinos* Reuter (1639) p. 231; Finland
1891. *Cyphoderus albinos* Uzel (2051) p. 919; Helgoland.
1891. *Cyphoderus albinus* Uzel (2051) p. 919; Helgoland.
1893. *Cyphoderus albinus* Schött (1765) p. 44; Sweden; Denmark.
1894. *Beckia albinos* Moniez (1452) p. 206; France.
1895. *Beckia albinos* Parona (1565) p. 697; Argentina.
1895. *Cyphoderus albinus* Reuter (1643) p. 16; Finland; Europe; North America.
1896. *Cyphoderus albinus* Lie-Pettersen (1281) p. 12; Norway.
1896. *Cyphoderus albinus* Schaeffer (1735) p. 199, Pl. IV, fig. 108; Germany.
1897. *Cyphoderus albinos* Poppe & Schaeffer (1607) p. 271; Germany.

1898. *Cyphoderus albinos* Lie-Pettersen (1282) p. 9; Sweden; Norway.
1898. *Cyphoderus albinus* Scherbakow (1750) p. 59; Sth. Russia.
1898. *Cyphoderus albinus* Scherbakow (1751) p. 341; Kiev.
1899. *Cyphoderus albus* Carl (351) p. 3; France.
1899. *Cyphoderus albinos* Carl (352) p. 336; Switzerland.
1899. *Cyphoderus albinus* Carpenter & Evans (402) p. 241; Scotland.
1900. *Cyphoderus albinos* Carl (353) p. 4; Roumania.
1900. *Cyphodeirus albinus* Kieffer (1170) p. 114; Germany.
1900. *Cyphoderus albinus* Schaeffer (1739) p. 273; Germany.
1900. *Cyphodeirus albinus* Vellay (2056) p. 21; Hungary.
1900. *Cyphodeirus* (*Beckia*) *argenteus* Vellay (2056) p. 21; Hungary.
1900. *Cyphoderus albinos* Willem (2123) p. 6; Belgium.
1901. *Cyphoderus albinus* Absolon (11) p. 39; Czechoslovakia.
1901. *Cyphoderus albinus* Absolon (12) p. 110; Systematics.
1901. *Cyphoderus albinos* Börner (234) p. 71, fig. 28; Germany.
1901. *Cyphoderus albinos* Carl (354) p. 267; Switzerland.
1901. *Cyphoderus albinus* Krausbauer (1204) p. 78; Prussia; Germany.
1903. *Cyphoderus albinus* Ågren (55) p. 159; Sweden.
1903. *Cyphoderus albinus* Guthrie (951) p. 82, Pl. VIII, figs. 9–11; Minnesota.
1905. *Cyphoderus albinus* Axelson (81) p. 39; Tvärminne.
1906. *Cyphoderus albinus* Wahlgren (2080) p. 264; Sweden.
1907. *Cyphoderus albinos* Axelson (83) p. 132; Finland.
1908. *Cyphoderus albinos* Evans (741) p. 196; England.
1908. *Cyphoderus albinus* Evans (741) p. 196; Scotland.
1908. *Cyphoderus albinos borneri* Schille (1755) p. 11.
1910. *Cyphoderus albinos* Bagnall (102) p. 504; Britain.
1910. *Cyphoderus albinus* Collinge & Shoebotham (472) p. 119; England.
1911. *Cyphoderus albinos* Axelson (1291) p. 23; Norway.
1912. *Cyphoderus albinus* Axelson (1292) pp. 241, 242; Finland.
1912. *Cyphoderus albinus börneri* Schille (1756) p. 10; Galicia.
1913. *Cyphoderus albinos* Börner (250) p. 276; "New Species".
1913. *Cyphoderus albinus apatelus* Borner (250) p. 276–, fig. 2; Europe.
1914. *Cyphodeirus albinus* Bacon (94) p. 162, Pl. IV, figs. 4, 5; California.
1918. *Cyphoderus albinus* Brown (296) p. 186; England.
1920. *Cyphoderus albinus* Stach (1859) p. 177, fig. 33; Poland.
1921. *Cyphoderus albinus* Denis (607) p. 132; France.
1922. *Cyphoderus albinus* Denis (609) p. 112; Ile de Yeu, France.
1922. *Cyphoderus albinus* Latzel (1250) p. 72; Ostalpen & Karstes; Austria.
1922. *Cyphoderus albinus* Stach (1860) p. 25; Hungary.
1922. *Cyphoderus albinus* Stach (1861) p. 121; Albania.
1923. *Cyphoderus albinos* Womersley (2147) p. 35; S.W. England.
1924. *Cyphoderus albinos* Denis (614) p. 293; France.
1924. *Cyphoderus albinus* Denis (617) p. 212; Italy.
1924. *Cyphoderus albinus* Handschin (981) p. 148; Switzerland.
1924. *Beckia albinus* Thompson (1970) p. 361; Ecology.
1926. *Cyphoderus albinos* Brown (307) p. 334; England.
1926. *Cyphoderus albinus* Handschin (988) p. 12, fig. 5; Biology.
1926. *Cyphoderus albinus* Handschin (990) p. 125; Algeria.
1928. *Cyphoderus albinus* Womersley (2154) p. 378; S.W. England.
1929. *Cyphoderus albinus* Handschin (1008) p. 103, fig. 190; Europe, Nth. Africa; Nth. America.
1930. *Cyphoderus albinus* Buitendijk (334) p. 71; Holland.
1930. *Cyphoderus albinus* Kel'shtein (1161) p. 76; Russia.
1930. *Cyphoderus albinus* Stach (1869) p. 294; Europe; Nth. America.
1930. *Cyphoderus albinus* Womersley (2168) p. 191; Ireland, with ants.
1931. *Cyphoderus albinus* Bonet (205) p. 390; Czechoslovakia; Carniola, in caves.
1932. *Cyphoderus albinus* Denis (642) p. 341; Berne.
1933. *Cyphoderus albinus* Schubert (1787) p. 181; Ecology.
1934. *Cyphoderus albinus* Agrell (37) p. 233; Ecology; Sweden.
1934. *Cyphoderus albinus* Durkop (707) p. 509; Europe: Nth. Africa; Nth. America.
1934. *Lepidocyrtus albinos* Perrier (1576) p. 38; France.
1934. *Cyphoderus albinus* Womersley (2177) p. 472; Europe; Algeria; Sierra Leone.
1935. *Cyphoderus albinus* Denis (652) p. 331; Albania.
1935. *Cyphodeirus albinus* Schubert (1791) pp. 106–, 218, 366; Germany.
1937. *Cyphoderus albinus* Drenowski (695) p. 4; Bulgaria.
1937. *Cyphoderus albinus* Frenzel (828) p. 317; Ecology.
1938. *Cyphoderus albinus* Kseneman (1220) p. 17; Czechoslovakia.
1938. *Cyphoderus albinus* Kseneman (1220) p. 17; Europe; Africa; America.
1938. *Cyphoderus albinos* Turk (2007) p. 94; Britain.
1939. *Cyphoderus albinus* Thomas (1969) p. 20; Ecology.
1941. *Cyphoderus albinus* Buitendijk (336) p. 75; Netherlands; Europe; Nth. America; Nth. Africa.
1942. *Cyphoderus albinus* Caspers (408) p. 150; Helgoland.
1942. *Cyphoderus albinus* Marlier (1375) p. 10; Belgium.
1943. *Cyphoderus albinus* Agrell (47) p. 126; Sweden.
1943. *Cyphoderus albinus* Gisin (853) p. 175; Switzerland.
1944. *Cyphoderus albinus* Gisin (854) p. 98; Holarctic.
1944. *Cyphoderus albinus* Uchida (2021) p. 14, fig. XIII; Micronesia; Mariaren Is.
1946. *Cyphoderus albinos* Steel (2398) p. 1157; in old ant's nest.
1948. *Cyphoderus albinus* Delamare Deboutteville (561) p. 341; France.
1948. *Cyphoderus albinus* Gisin (867) p. 81; Switzerland.
1951. *Cyphoderus albinus* Gisin (882) p. 56; Nomenclature.
1951. *Cyphoderus albinus* Schaller (1746) p. 449; Ecology.
1951. *Cyphoderus albinus* Stach (1889) p. 27, fig. 14-H.
1954. *Cyphoderus albinus* Int. Comm. (1100), p. 105; Nomenclature.

1955. *Cyphoderus albinus* Cassagnau & Delamare Deboutteville (428) p. 383; Lebanon.
1955. *Cyphoderus albinos* Chopard (434) p. 24, Pl. I, fig. 19; France.
1955. *Cyphoderus albinus* Stach (1893) p. 146; Poland.
1955. *Cyphoderus albinus* Uchida (2034) p. 200; Micronesia.
1956. *Cyphoderus albinus* Bockemuhl (193) p. 146; Spitzbergen.
1956. *Cyphoderus albinus* Christiansen (444) p. 85; Syria; Lebanon.
1956. *Cyphoderus albinus* Paclt (1541) p. 15, fig. 11.
1958. *Cyphoderus albinus* Grindbergs (2276) p. 76; Latvia.
1958. *Cyphoderus albinus* Grindbergs (2277) p. 202; Latvia.
1958. *Cyphoderus albinus* Kholova (1169) p. 235; Bohemia.
1958. *Cyphoderus albinus* Int. Comm. (2378) p. 24; name officially validated.
1958. *Cyphodeirus albinus* Uchida (2044) p. 19; Micronesia.
1958. *Cyphoderus albinus* von Torne (1993) p. 672; Austria.
1960. *Cyphoderus albinus* Gisin (2271) p. 259, fig. 472; Europe; Lebanon.
1960. Cyphoderus albinus Grindbergs (2373) p. 54; U.S.S.R.

Cyphoderus albinus apatelus Börner, 1913

1913. *Cyphoderus albinus apatelus* Börner (250) p. 276, fig. 2; Europe.
1928. *Cyphoderus albinus apatelus* Handschin (981) p. 148; Switzerland.
1937. *Cyphoderus albinus apatelus* Drenowski (695) p. 4; Bulgaria.
1948. *Cyphoderus albinus apatelus* Delamare Deboutteville (561) p. 343; Diagnosis.

Cyphoderus albinus boerneri Schille, 1908

1908. *Cyphoderus albinos börneri* Schille (1755) p. 11; Poland.
1912. *Cyphoderus albinos börneri* Schille (1756) p. 10; Poland.
1913. *Cyphoderus börneri* Börner (250) p. 276; Systematics.
1948. *Cyphoderus albinos börneri* Delamare Deboutteville (561) p. 342; Diagnosis.

Cyphoderus alvaradoi Selga, 1962

TYPE: Lab. Zool., Suelo, Inst. Edaf. y Agrob., Madrid.
1962. *Cyphoderus alvaradoi* Selga (2581) p. 26, figs. 4, 5; Annobon I., Gulf of Guinea.

Cyphoderus amaranus Brown, 1926

1926. *Cyphoderus amaranus* Brown (305) p. 215, figs. 29–31; Mesopotamia.
1948. *Cyphoderus amaranus* Delamare Deboutteville (561) p. 345; Diagnosis.

Cyphoderus arcuatus Wahlgren, 1906

1906. *Cyphoderus arcuatus* Wahlgren (2081) p. 20, fig. 39; Egypt.
1929. *Cyphoderus arcuatus* Handschin (1007) p. 27; Sudan; Abyssinia.
1934. *Cyphoderus arcuatus* Womersley (2177) p. 473; Eritrea; Africa.
1948. *Cyphoderus arcuatus* Delamare Deboutteville (561) p. 351; Diagnosis.

Cyphoderus arcuatus aethiopicus Handschin, 1929

TYPE: Brit. Mus. Nat. Hist., London.
1929. *Cyphoderus arcuatus aethiopicus* Handschin (1007) p. 25, figs. 26, 27; Abyssinia.
1934. *Cyphoderus arcuatus aethiopicus* Womersley (2177) pp. 465, 473; Sth. Africa; Ital. Libya.

Cyphoderus arcuatus **brevimucronatus** Silvestri, 1917

1917. *Cyphoderus arcuatus brevimucronata* Silvestri (1827) p. 314, fig. XXII; West Africa.

Cyphoderus arcuatus **holonychus** Silvestri, 1917

1917. *Cyphoderus arcuatus holonycha* Silvestri (1827) p. 313, fig. XXI; West Africa.

Cyphoderus arcuatus **squamidives** Silvestri, 1917

1917. *Cyphoderus arcuatus squamidives* Silvestri (1827) p. 315, fig. XXIII; Transvaal; Pretoria.

Cyphoderus argenteus (Lubbock) 1870

1870. *Beckia argentea* Lubbock (1317) p. 279; Britain.
1879. *Beckia argentea* Fries (832) p. 150; Cave Collembola.
1880. *Beckia argentea* Fries (833) p. 115; Falkenstein Caves.
1891. *Beckia argentea* Parfitt (1550) p. 335; England.
1900. *Cyphodeirus* (*Beckia*) *argenteus* Vellay (2056) p. 21; Hungary.
1924. *Beckia argentea* Thompson (1970) p. 361; Ecology.

Cyphoderus asciaticus Yosii, 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Cyphoderus asciaticus* Yosii (2355) p. 56, fig. 33; Singapore.

Cyphoderus assimilis Börner, 1906

1906. *Cyphoderus assimilis* Börner (243) p. 181; Cairo.
1912. *Cyphoderus simulans* Imms (1090) p. 115; Burman.
1913. *Cyphoderus assimilis* Börner (250) p. 277, fig. 4; Egypt.
1917. *Cyphoderus simulans* Carpenter (391) p. 566; Lower Burma.
1925. *Cyphoderus similis* Folsom (797) p. 12, figs. 70–71.
1926. *Cyphoderus assimilis* Handschin (993) p. 460, fig. 8; Java.
1927. *Cyphoderus assimilis* Jackson (1120) pp. 485–6; Trinidad.
1928. *Cyphoderus assimilis* Handschin (1001) p. 267; Java.
1929. *Cyphoderus assimilis* Handschin (1007) p. 27; Egypt.
1931. *Cyphoderus assimilis* Bonet (205) p. 390; Trinidad & Birmania, in caves.
1931. *Cyphoderus similis* Denis (638) p. 154, figs. 188-192; Costa Rica.
1932. *Cyphoderus similis* Folsom (801) p. 71, figs. 111–2; Honolulu.
1933. *Cyphoderus similis* Denis (645) pp. 269–270; Costa Rica.
1934. *Cyphoderus similis* Mills (1417) p. 81, fig. 133; Iowa.
1934. *Cyphoderus assimilis* Womersley (2177) p. 473; Abyssinia.
1943. *Cyphoderus assimilis* Uchida (2020) p. 17; Japan; Egypt; Burma.
1948. *Cyphoderus assimilis* Delamare Deboutteville (561) p. 349; Diagnosis.
1948. *Cyphoderus assimilis* Denis (676) p. 270; Synonymy; Indo-China.
1948. *Cyphoderus assimilis* Zimmerman (2237) p. 64, fig. 31 a-b; Hawaii.

1950. *Cyphoderus assimilis* Christiansen (437) p. 94; Massachusetts.
1951. *Cyphoderus assimilis* Roonwal (1665) p. 6; India.
1951. *Cyphoderus assimilis* Roonwal (1665) p. 503; India.
1951. *Cyphoderis assimilis* Salmon (1694) p. 131; Singapore I.
1953. *Cyphoderus assimilis* Yosii (2229) p. 69; Japan.
1954. *Cyphoderus assimilis* Bellinger (174) p. 23; Connecticut.
1955. *Cyphoderus assimilis* Uchida (2034) p. 200; Far East.
1957. *Cyphoderus assimilis* Christiansen (444) p. 84, Pl. 6, fig. 12; Pl. 7, figs. 1, 5; Lebanon.
1958. *Cyphodeirus assimilis* Uchida (2044) p. 20; Formosa; Burma.
1959. *Cyphoderus assimilis* Paclt (2316) p. 59; S. Africa.
1960. *Cyphoderus assimilis* Gisin (2271) p. 260; Egypt; Syria.

Cyphoderus assimilis antennatus Delamare Deboutteville, 1945

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Cyphoderus assimilis antennatus* Delamare Deboutteville (539) p. 39, fig. 2 J-K; Africa.
1948. *Cyphoderus antennatus* Delamare Deboutteville (561) p. 345, figs. 40–41; East Africa.

Cyphoderus assimilis empodialis Rapoport, 1962

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Cyphoderus assimilis empodialis* Rapoport (2533) p. 12, figs. 78-85; Argentina.

Cyphoderus bidenticulatus (Parona) 1888

TYPE: Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1888. *Cyphoderus albinos* Parona (1563) p. 140, Pl. I, figs. 6 a-b; Italy.
1903. *Cyphoderus bidenticulatus* Börner (239) p. 157, fig. 14; Sicily.
1913. *Cyphoderus bidenticulatus* Börner (250) p. 277; Natal.
1922. *Cyphoderus bidenticulatus* Latzel (1250) p. 73; Austrian Alps.
1922. *Cyphoderus bidenticulatus* Stach (1860) p. 26, Pl. II, fig. 7; Pl. III, figs. 3–4; Hungary.
1922. *Cyphoderus bidenticulatus* Stach (1861) p. 121; Albania.
1929. *Cyphoderus bidenticulatus* Handschin (1008) p. 104, fig. 191; Poland; Sicily; Natal.
1930. *Cyphoderus bidenticulatus* Stach (1869) p. 294; Natal; Sicily; Albania; South Lands.
1934. *Cyphoderus bidenticulatus* Womersley 2177 p. 473; Sth. Africa.
1934. *Cyphoderus bidenticulata* Womersley (2178) p. 128, Text-fig. 18 a-c; Sth. Australia.
1935. *Cyphoderus bidenticulatus* Denis (652) p. 331; Albania.
1937. *Cyphoderus bidenticulatus* Drenowski (695) p. 4; Bulgaria.
1939. *Cyphoderus bidenticulata* Womersley (2190) p. 214, fig. 64 Q-S; Sth. Australia.
1948. *Cyphoderus bidenticulatus* Delamare Deboutteville (561) pp. 336, 337; Diagnosis, to be revised.
1948. *Cyphoderus bidenticulatus* Gisin (867) p. 81; Switzerland.
1955. *Cyphoderus bidenticulatus* Cassagnau & Delamare Deboutteville (428) p. 384; Lebanon.
1955. *Cyphoderus bidenticulatus* Gisin (890) p. 146; Switzerland.
1955. *Cyphoderus bidenticulatus* Stach (1893) p. 147, figs. 448–449; Europe.
1956. *Cyphoderus bidenticulatus* Christiansen (444) p. 85; Lebanon.
1959. *Cyphoderus bidenticulatus* Paclt (2316) p. 59; Sth. Africa.
1960. *Cyphoderus bidenticulatus* Gisin (2271) p. 259; figs. 58, 471; Europe; Near East.
1960. *Cyphoderus bidenticulatus* Paclt (2391) p. 157; Hungary.

Cyphoderus bidenticulatus veneris Denis, 1924

1924. *Cyphoderus bidenticulatus veneris* Denis (614) p. 282, figs. 35–37; France.

Cyphoderus brevimucronatus (Silvestri) 1917

1917. *Cyphoderus arcuatus brevimocronatus* Silvestri (1827) p. 314; West Africa.
1948. *Cyphoderus brevimucronatus* Delamare Deboutteville (561) p. 352; figs. 48–54; Diagnosis.

Cyphoderus buxtoni Brown, 1920

TYPE: Brit. Mus. Nat. Hist., London,
1920. *Cyphoderus buxtoni* Brown (298) p. 480, figs. 1–3; Sierra Leone.
1926. *Cyphoderus buxtoni* Brown (306) p. 43; Sierra Leone.
1934. *Cyphoderus buxtoni* Womersley (2177) p. 473; Nigeria.
1945. *Cyphoderus buxtoni* Marlier (1377) p. 261; Belgian Congo.
1948. *Cyphoderus buxtoni* Delamare Deboutteville (561) p. 354; Diagnosis.

Cyphoderus capucinus (Nicolet) 1842

1842. *Cyphodeirus capucinus* Nicolet (1493) p. 64, Pl. 7, fig. 1; Europe.
1844. *Lepidocyrtus capucinus* Gervais (841) p. 410; Switzerland.
1844. *Cyphoderus capucinus* Lucas (1327) p. 293; Reference.
1845. *Cyphodeirus capucinus* Bourlet (266) p. 67; Europe.
1845. *Lepidocyrtus curvicollis* Bourlet (266) p. 67; Europe.
1873. *Lepidocyrtus curvicollis* Lubbock (1318) p. 150.
1875. *Cyphodeirus capucinus* Parona (1556) p. 299; Italy.

Cyphoderus cuthbertsoni Womersley, 1926

PARATYPE: Sth. Austr. Mus., Adelaide.
COTYPES: Brit. Mus. Nat. Hist., London.
1926. *Cyphoderus cuthbertsoni* Womersley (2162) p. 155, figs. 12–13; Rhodesia.
1934. *Cyphoderus cuthbertsoni* Womersley (2177) p. 473; Sth. Rhodesia.

Cyphoderus flavens Nicolet, 1849

1849. *Cyphoderus flavens* Nicolet (1497) p. 93; Chile.

Cyphoderus folsomi Handschin, 1927

1927. *Cyphoderus folsomi* Handschin (997) p. 114, figs. 20, 21; Costa Rica.
1931. *Cyphoderus folsomi* Denis (638) p. 163; Costa Rica.
1948. *Cyphoderus folsomi* Delamare Deboutteville (561) p. 344; Diagnosis.

Cyphoderus genneserae Carpenter, 1913

TYPE: Indian Mus., Calcutta.
1913. *Cyphoderus genneserae* Carpenter (389) p. 215, Pl. VIII, figs. 1-5; Galilee.
1942. *Cyphoderus genneserae* Absolon & Kseneman (27) p. 14, fig. 16; Palestine.

1942. *Cyphoderus genneserae* Handschin (1012) p. 441; Palestine.
1948. *Cyphoderus genneserae* Delamare Deboutteville (561) p. 337; Diagnosis.
1956. *Cyphoderus genneserae* Christiansen (444) p. 78; Syria.

Cyphoderus genneserae aethiopicus (Handschin) 1929

1929. *Cyphoderus arcuatus aethiopicus* Handschin (1007) p. 25, figs. 26–27; Abyssinia.
1934. *Cyphoderus arcuatus aethiopicus* Womersley (2177) p. 465; Sth. Rhodesia.
1942. *Cyphoderus genneserae aethiopica* Handschin (1012) p. 441, fig. 11; Palestine.
1948. *Cyphoderus genneserae aethiopica* Delamare Deboutteville (561) p. 337; Diagnosis.

Cyphoderus gibbulus (Nicolet) 1842

1842. *Cyphodeirus gibbulus* Nicolet (1493) p. 64, Pl. 7, fig. 22; Europe.
1844. *Cyphoderus gibbulus* Lucas (1327) p. 293; Europe.
1845. *Cyphodeirus gibbulus* Bourlet (266) p. 67; Europe.
1873. *Lepidocyrtus gibbulus* Lubbock (1318) p. 153, Pl. XXVII; Europe.
1875. *Cyphodeirus gibbulus* Parona (1556) p. 299; Italy.

Cyphoderus giganteus Nicolet, 1849

1849. *Cyphoderus giganteus* Nicolet (1497) p. 92; Chile.

Cyphoderus handschini Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1926. *Cyphoderus assimilis* Handschin (993) p. 460, fig. 8; Java.
1932. *Cyphoderus assimilis* Folsom (801) p. 71, Pl. X, figs. 111–112; Hawaii.
1948. *Cyphoderus handschini* Delamare Deboutteville (561) p. 346, *nom. nov.* (not *n.sp.*) *assimilis* above *nec.* Börner.

Cyphoderus holonychus (Silvestri) 1917

1917. *Cyphoderus arcuatus holonycha* Silvestri (1327) p. 313, fig. XXI (1–6); French New Guinea.
1948. *Cyphoderus holonycha* Delamare Deboutteville (561) p. 353, figs. 60–65; Diagnosis.

Cyphoderus hozawai Kinoshita, 1917

1917. *Cyphoderus hozawai* Kinoshita (1174) p. 41, fig. 1; Japan.
1938. *Cyphoderus hozawai* Uchida (2015) p. 8; Japan.
1944. *Cyphoderus hozawai* Uchida (2021) p. 13, fig. XII, 1–6; Micronesia.
1950. *Cyphoderus hozawai* Kinoshita & Uchida (1179) p. 19 and fig.; Japan.
1958. *Cyphoderus hozawai* Uchida (2044) p. 19; Micronesia.

Cyphoderus inaequalis Folsom, 1927

SYNTYPES: U.S. Nat. Mus., Washington D.C., U.S.A.
1927. *Cyphoderus inaequalis* Folsom (799) p. 12, Pl. 8, figs. 68, 69; Canal Zone, Central America.
1931. *Cyphoderus inaequalis* Denis (638) p. 154, Costa Rica; Panama, in caves.
1948. *Cyphoderus inaequalis* Delamare Deboutteville (561) p. 343; Diagnosis.
1948. *Cyphoderus inaequalis* Wolcott (2145) p. 34; Puerto Rica.

Cyphoderus innominatus Mills, 1938

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1938. *Cyphoderus innominatus* Mills (1420) p. 186, figs. 17–19; Yucatan caves, Mexico.
1948. *Cyphoderus innominatus* Delamare Deboutteville (561) p. 350; Diagnosis.

Cyphoderus insularum Carpenter, 1916

PARATYPES: Brit. Mus. Nat. Hist., London.
1916. *Cyphoderus insularum* Carpenter (390) p. 47, Pl. XVII, figs. 71–73; Seychelles.
1929. *Cyphoderus insularum* Handschin (1007) p. 27; Seychelles.
1932. *Cyphoderus insularum* Scott (1798) p. 170 (with termites); Ecology; Seychelles.
1934. *Cyphoderus insularum* Womersley (2177) p. 473; Sudan.
1948. *Cyphoderus insularum* Delamare Deboutteville (561) p. 336; Diagnosis.

Cyphoderus javanus Börner, 1906

1906. *Cyphoderus javanus* Börner (243) p. 180; Java.
1913. *Cyphoderus javanus* Börner (251) p. 58; Java.
1928. *Cyphoderus javanus* Handschin (1001) p. 267; Java.
1942. *Cyphoderus agnotus* Handschin (1012) p. 441, fig. 10; Palestine.
1948. *Cyphoderus javanus* Delamare Deboutteville (561) p. 344; Diagnosis.

Cyphoderus jugoslavicus Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Cyphoderus jugoslavicus* Denis (644) p. 213; Yugoslavia.
1935. *Cyphoderus jugoslavica precentis* Denis (652) p. 331; Yugoslavia.
1936. *Cyphoderus jugoslavicus* Denis (660) p. 271, figs. 15–17; Yugoslavia; Ad. descr.
1948. *Cyphoderus bidenticulatus jugoslavica* Delamare Deboutteville (561) p. 338; Diagnosis and discussion.

Cyphoderus komareki Rusek, 1961

TYPE: Ent. Abt. Mährischen Mus., Brno.
1961. *Cyphoderus komareki* Rusek (2596) p. 152, figs. 5–9; Caucasus; Synonymy.

Cyphoderus lignorum (Nicolet) 1842

1842. *Cyphodeirus lignorum* Nicolet (1493) p. 65; Europe.
1842. *Podura lignorum* Erichson (730) p. 312; Europe.
1844. *Cyphoderus lignorum* Lucas (1327) p. 293; Reference.
1845. *Cyphodeirus lignorum* Bourlet (266) p. 67; Europe.
1873. *Lepidocyrtus lignorum* Lubbock (1318) p. 152, Pl. XXVI; Switzerland; France; England.
1875. *Cyphodeirus lignorum* Parona (1556) p. 299; Italy.

Cyphoderus limboxiphius Börner, 1913

1913. *Cyphoderus limboxiphius* Börner (250) p. 276, fig. 1; Natal.
1929. *Cyphoderus limboxiphius* Womersley (2162) p. 155; Rhodesia, in ants' nests.
1934. *Cyphoderus limboxiphius* Womersley (2177) p. 473; Sth. Africa; Sth. Rhodesia.
1935. *Cyphoderus limboxiphius* Denis (651) p. 6, Mozambique; Systematics.
1945. *Cyphoderus limboxiphius* Delamare Deboutteville (539) p. 38, fig. II H-I; Uganda, Mt. Elgon.

1948. *Cyphoderus limboxiphius* Delamare Deboutteville (561) p. 350, figs. 46, 47; Diagnosis.
1959. *Cyphoderus limboxiphius* Paclt (2316) p. 60; Sth. Africa.

Cyphoderus limboxiphius nitricolus Rapoport and De Izarra, 1962
1962. *Cyphoderus limboxiphius nitricola* Rapoport & De Izarra (2579) p. 253; Argentina.

Cyphoderus longicornis Parona, 1895
1895. *Cyphodeirus longicornis* Parona (1565) p. 3 and fig.; Argentina.

Cyphoderus monocerus Joseph, 1882
1882. *Cyphoderus monocerus* Joseph (1150) p. 29; France; Switzerland.

Cyphoderus multidentatus Delamare Deboutteville, 1948
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Cyphoderus multidentatus* Delamare Deboutteville (561) p. 356, figs. 70–72; East Africa.

Cyphoderus nichollsi Womersley, 1934
TYPE: Sth. Austr. Mus., Adelaide.
1934. *Cyphoderus nichollsi* Womersley (2178) p. 129, Text-fig. 18g; W. Australia.
1939. *Cyphoderus nichollsi* Womersley (2190) p. 215, fig. 64 P; W. Australia.

Cyphoderus novae-guinae Uchida, 1949
1949. *Cyphoderus novae-guinae* Uchida (2023) p. 42, Pl. III K-N; New Guinea.

Cyphoderus omoensis Delamare Deboutteville, 1945
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Cyphoderus omoensis* Delamare Deboutteville (539) p. 35, fig. 2 A-G; Mt. Elgon, Africa.
1948. *Cyphoderus omoensis* Delamare Deboutteville (561) p. 353, figs. 55–59; Diagnosis; Madagascar central.
1959. *Cyphoderus omoensis* Paclt (2316) p. 61; South Africa.

Cyphoderus orientalis Folsom, 1924
TYPE: Mus. Comp. Zool., Harvard.
1924. *Cyphoderus orientalis* Folsom (796) p. 513, Pl. 5, figs. 38–41; Sumatra.
1928. *Cyphoderus orientalis* Handschin (1001) p. 267; Sumatra; Java.
1930. *Cyphoderus orientalis* Handschin (1009) p. 420; Philippines.

Cyphoderus parvulus Nicolet, 1842
1842. *Cyphodeirus parvulus* Nicolet (1493) p. 67, Pl. 7, fig. 6; Europe.
1844. *Cyphoderus parvulus* Lucas (1327) p. 293; Reference.
1845. *Cyphodeirus parvulus* Bourlet (266) p. 67; Europe.
1873. *Lepidocyrtus parvulus* Lubbock (1318) p. 157; Europe.

Cyphoderus pinnatus (Folsom) 1927
METATYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana; Illinois.
1923. *Borecus pinnatus* Folsom (794) p. 399 Pl. XXIII, figs. 51–58; British Guiana.
1927. *Cyphoderus pinnatus* Folsom (799) p. 13, Pl. 8, figs. 72–77; Canal Zone; *nov. comb.*
1931. *Cyphoderus pinnatus* Denis (638) p. 163; Costa Rica; Panama; British Guiana.
1948. *Cyphoderus pinnatus* Delamare Deboutteville (561) p. 358; Diagnosis.

Cyphoderus pseudalbinus Schött, 1917
PARATYPES: Sth. Austr. Mus., Adelaide.
1917. *Cyphoderus pseudalbinus* Schött (1774) p. 50, fig. 51; Queensland.
1939. *Cyphoderus pseudalbinus* Womersley (2190) p. 215, fig. 64 N; Queensland.
1948. *Cyphoderus pseudalbinus* Delamare Deboutteville (561) p. 344; Diagnosis.

Cyphoderus pusillus (Brébisson) 1827
1827. *Podura pusilla* Brébisson (272) p. 273; France.
1842. *Podura pusilla* Erichson (730) p. 312; Europe.
1842. *Cyphodeirus pusillus* Nicolet (1493) p. 65, Pl. 7, fig. 3; Switzerland.
1845. *Cyphodeirus pusillus* Bourlet (266) p. 67; Europe.
1844. *Cyphoderus pusillus* Lucas (1327) p. 293; Reference.
1873. *Lepidocyrtus pusillus* Lubbock (1318) p. 156; Switzerland; Sweden; Greenland.
1918. *Podura pusilla* Henriksen & Lundbeck (1044) p. 736; Greenland.

Cyphoderus quadridentatus Delamare Deboutteville, 1948
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Cyphoderus quadridentatus* Delamare Deboutteville (561) p. 355, figs. 66–69; East Africa.

Cyphoderus rubiae Baijal, 1955
TYPE: Zool. Surv., India, Calcutta.
1955. *Cyphoderus rubiae* Baijal (132) p. 536, 2 figs; Himalayas.

Cyphoderus serratus Schött, 1917
PARATYPES: Sth. Austr. Mus., Adelaide.
SYNTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1917. *Cyphoderus serratus* Schött (1774) p. 52, figs. 52–53; Queensland.
1925. *Cyphoderus serratus* Denis (621) p. 271, figs. 113–114; French Guiana.
1925. *Cyphoderus serratus* Schött (1777) p. 126, figs. 39–41; Northern Sarawak.
1928. *Cyphoderus serratus* Handschin (1001) p. 267; Borneo.
1934. *Cyphoderus serratus* Womersley (2178) p. 128; W. and Sth. Australia.
1939. *Cyphoderus serratus* Womersley (2190) p. 213, fig. 64 O; Australia.
1948. *Cyphoderus serratus* Delamare Deboutteville (561) p. 358; Diagnosis.
1948. *Cyphoderus serratus* Denis (676) p. 266; Indo-China; Systematics.
1949. *Cyphoderus serratus* Uchida (2023) p. 41; New Guinea.

Cyphoderus similis Folsom, 1927
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
COTYPES: Mus. Comp. Zool., Harvard.
SYNTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1927. *Cyphoderus similis* Folsom (799) p. 12, figs. 70, 71, Pl. 8; Panama.
1931. *Cyphoderus similis* Denis (638) p. 154, figs. 188–192; Costa Rica.
1934. *Cyphoderus similis* Mills (1417) p. 81, fig. 133; Iowa.
1948. *Cyphoderus similis* Delamare Deboutteville (561) p. 348; Diagnosis.
1950. *Cyphoderus similis* Delamare Deboutteville (570) p. 54–; Ivory Coast.
1959. *Cyphoderus similis* Wilkey (2350) p. 224; California.

Cyphoderus simulans Imms, 1912

TYPE: Indian Mus., Calcutta.

1912. *Cyphoderus simulans* Imms (1090) p. 115, Pl. XII, figs. 90–91; Burma.
1917. *Cyphoderus simulans* Carpenter (391) p. 566; Burma.
1929. *Cyphoderus assimilis* Handschin (1006) p. 259; Sth. India.
1948. *Cyphoderus simulans* Delamare Deboutteville (561) p. 348; Diagnosis.

Cyphoderus spinatus Christiansen, 1956

HOLOTYPE and PARATYPES: Auth. Colln., Grinnell Coll., Iowa.

1956. *Cyphoderus* (*Serroderus*) *spinatus* Christiansen (444) p. 79, Pl. 6, figs. 9–11, Pl. 7, fig. 8; Syria.
1960. *Cyphoderus spinatus* Gisin (2271) p. 259; Syria.

Cyphoderus squamidives (Silvestri) 1917

1917. *Cyphoderus arcuatus squamidives* Silvestri (1827) p. 315, fig. XXIII; Transvaal.
1929. *Cyphoderus cuthbertsoni* Womersley (2162) p. 152–; Sth. Rhodesia.
1948. *Cyphoderus squamidives* Delamare Deboutteville (561) p. 335; Diagnosis.
1956. *Cyphoderus squamidives* Adachi (28) p. 3; Hawaii.
1956. *Cyphoderus squamidives* Salmon (1712) p. 35, figs. 103–104; Belgian Congo.
1959. *Cyphoderus squamidives* Paclt (2316) p. 61; Sth. Africa.

Cyphoderus subserratus Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1925. *Cyphoderus serratus an. nov. var.* ? Denis (621) p. 271, figs. 113–114; French Guiana.
1948. *Cyphoderus subserratus* Delamare Deboutteville (561) p. 358, figs. 73, 74, *nom. nov.* (not *n.sp.*).

Cyphoderus subsimilis Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1948. *Cyphoderus subsimilis* Delamare Deboutteville (561) p. 346, figs. 42–46; Africa.
1950. *Cyphoderus subsimilis* Delamare Deboutteville (570) pp. 75, 203; Ivory Coast.
1951. *Cyphoderus subsimilis* Delamare Deboutteville (577) p. 271 (on epiphytes); Africa.

Cyphoderus sudanensis Wahlgren, 1906

1906. *Cyphoderus sudanensis* Wahlgren (2081) p. 18, figs. 34–36; Sudan.
1929. *Cyphoderus sudanensis* Handschin (1007) p. 27: Sudan.
1934. *Cyphoderus sudanensis* Womersley (2177) p. 473; Eritrea, Africa.
1948. *Cyphoderus sudanensis* Delamare Deboutteville (561) p. 334, fig. 25; Diagnosis.

***Cyphoderus termitum** Silvestri, 1917

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France

1917. *Cyphoderus termitum* Silvestri (1827) p. 316–317, fig. XXIV, 1–11; French Guinea.
1948. *Cyphoderus termitellus* Delamare Deboutteville (561) p. 339, figs. 29–39, *nom. nov.*; = *termitum* Silvestri,*nec* Wahlgren.

Cyphoderus tridenticulatus Denis, 1948

1948. *Cyphoderus tridenticulatus* Denis (676) p. 269, fig. 28; Indo-China.

Cyphoderus veneris Denis, 1923

1923. *Cyphoderus veneris* Denis (613) p. 57; France.
1948. *Cyphoderus bidenticulatus veneris* Delamare Deboutteville (561) p. 338; Diagnosis.

Genus: MEGACYPHODERUS Delamare Deboutteville, 1948 (561) p. 365.

Type species fixed: *M. silvestrii* (Denis), by Delamare Deboutteville, 1948 (561) p. 366.

Megacyphoderus gallicus Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1948. *Megacyphoderus gallicus* Delamare Deboutteville (561) p. 368, figs. 85–87; France.
1960. *Cyphoderus gallicus* Gisin (2271) p. 261; France.

Megacyphoderus leleupi Salmon, 1956

TYPE: Mus. Roy. Congo Belge., Tervuren.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.

1956. *Megacyphoderus leleupi* Salmon (1712) p. 37, figs. 105–110; Belgian Congo.

Megacyphoderus oraniensis Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1948. *Megacyphoderus oraniensis* Delamare Deboutteville (561) p. 366, figs. 80–82; Algeria.
1960. *Cyphoderus oraniensis* Gisin (2271) p. 260; Algeria.

Megacyphoderus silvestrii (Denis) 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1924. *Cyphoderus sylvestrii* Denis (615) p. 199; France.
1925. *Cyphoderus sylvestrii* Denis (618) p. 579, fig. X; France.
1942. *Cyphoderus silvestrii* Handschin (1012) p. 440; Palestine.
1944. *Cyphoderus silvestrii* Gisin (854) p. 98; France.
1945. *Cyphoderus sylvestrii* Delamare Deboutteville (537) p. 70; France.
1948. *Megacyphoderus Silvestrii* Delamare Deboutttville (561) p. 367, figs. 83–84; Diagnosis.
1960. *Cyphoderus silvestrii* Gisin (2271) p. 260, fig. 473; France.

Megacyphoderus termitum (Wahlgren) 1906

1906. *Cyphoderus termitum* Wahlgren (2081) p. 19, figs. 37–38; Egypt, Sudan.
1929. *Cyphoderus termitum* Handschin (1007) p. 27; Sudan.
1934. *Cyphoderus termitum* Womersley (2177) p. 473; Eritrea, Africa.
1948. *Megacyphoderus termitum* Delamare Deboutteville (561) p. 366; Diagnosis.

Genus: CYPHODA Delamare Deboutteville, 1948 (561) p. 360.

Type species fixed: *C. marocanae*, by Delamare Deboutteville, 1948 (561) p. 360.

Cyphoda colurus (Börner) 1908

1908. *Cyphoderus colurus* Börner (245) p. 57, fig. 3, Pl. 6, fig. 6; Africa.

* Delamare Deboutteville changed the name of Silvestri's species to *termitellus* to avoid homonymy with Wahlgren's species. This action, however, was unnecessary as he transferred the species *termitum* Wahlgren to the genus *Megacyphoderus*. Silvestri's name is, therefore, reverted to here.

1913. *Cyphoderus colurus* Börner (250) p. 275; S.W. Africa.
1948. *Cyphoda colurus* Delamare Deboutteville (561) p. 361; Diagnosis.
1959. *Cyphoderus colurus* Paclt (2316) p. 60; S. Africa.

Cyphoda grassei Cassagnau and Delamare Deboutteville, 1955

TYPE: Cassagnau's Pers. Colln., Fac. Sci., Univ. Toulouse, France.
1955. *Cyphoda grassei* Cassagnau and Del. Deb. (428) p. 384, fig. 10; Lebanon.
1956. *Cyphoderus* (*Cyphoda*) *grassei* Christiansen (444) p. 79; Syria; Lebanon.
1960. *Cyphoderus grassei* Gisin (2271) p. 258; Syria; Lebanon.

Cyphoda heymonsi (Börner) 1903

1903. *Cyphoderus heymonsi* Börner (239) p. 158, figs. 15, 16; Trans-Caucasus.
1913. *Cyphoderus heymonsi* Börner (250) p. 276; Trans-Caucasus.
1925. *Cyphoderus heymonsi* Handschin (987) p. 171, Pl. 31, fig. 6; Morocco.
1934. *Cyphoderus heymonsi* Womersley (2177) p. 473; Morocco.
1948. *Cyphoda Heymonsi* Delamare Deboutteville (561) p. 364; Diagnosis.

Cyphoda marocanae Delamare Deboutteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Cyphoda marocanus* Delamare Deboutteville (561) p. 361, figs. 75–79; Morocco.

Cyphoda natalensis (Börner) 1913

1913. *Cyphoderus natalensis* Börner (250) p. 276; Natal.
1934. *Cyphoderus natalensis* Womersley (2177) pp. 465, 473; Sth. Africa.
1948. *Cyphoda natalensis* Delamare Deboutteville (561) p. 361; Diagnosis.
1959. *Cyphoderus natalensis* Paclt (2316) p. 60; South Africa.

Cyphoda nichollsi (Womersley) 1934

1934. *Cyphoderus nichollsi* Womersley (2178) p. 129, fig. 18 g; Australia.
1939. *Cyploderus nichollsi* Womersley (2190) p. 215, fig. 64; Australia.
1948. *Cyphoda Nichollsi* Delamare Deboutteville (561) p. 364; Diagnosis.

GENUS: PSEUDOCYPHODERUS Imms, 1912 (1090) p. 116
Type species fixed: *P. annandalei* Imms, by Börner, 1913 (250) p. 275.

Pseudocyphoderus annandalei Imms, 1912

TYPE: Indian Mus., Calcutta.
1912. *Pseudocyphoderus annandalei* Imms (1090) p. 116, Pl. XII, figs. 87–89; Madras.
1913. *Pseudocyphoderus annandalei* Börner (250) p. 282, fig. 8; India.
1948. *Pseudocyphoderus annandalei* Delamare Deboutteville (561) p. 391; Diagnosis.

Pseudocyphoderus squamicaudus Silvestri, 1917

1917. *Pseudocyphoderus squamicauda* Silvestri (1827) p. 317, Pls. XXV, XXVI, figs. 1–20; Eritrea.
1929. *Pseudocyphoderus squamicauda* Handschin (1007) p. 27; Eritrea.
1934. *Pseudocyphoderus squamicauda* Womersley (2177) p. 473; Egypt.
1948. *Pseudocyphoderus squamicauda* Delamare Deboutteville (561) p. 389, figs. 143, 144–162; Diagnosis.

Pseudocyphoderus wasmanni Börner, 1913

1913. *Pseudocyphoderus wasmanni* Börner (250) p. 281, fig. 7; Natal.
1934. *Pseudocyphoderus wasmanni* Womersley (2177) p. 473; Sth. Africa.
1948. *Pseudocyphoderus wasmanni* Delamare Deboutteville (561) p. 391; Diagnosis.
1959. *Pseudocyphoderus wasmanni* Paclt (2316) p. 61; South Africa.

Genus: CYPHODERINUS Denis, 1942 (669) p. 13.
Type species fixed: *C. fraterculus*, by Denis, 1942 (669) p. 13.

Cyphoderinus fraterculus Denis, 1942

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1942. *Cyphoderinus fraterculus* Denis (669) p. 13, fig. 4; Ivory Coast.
1948. *Cyphoderinus fraterculus* Delamare Deboutteville (561) p. 401; Diagnosis.

Genus: CYPHODERODES Silvestri, 1911 (1825) p. 244.
Type species fixed: *C. ceylonicus* Silvestri, by Börner, 1913 (250) p. 275.

Cyphoderodes ceylonicus Silvestri, 1911

1911. *Cyphoderodes ceylonicus* Silvestri (1825) p. 245; Ceylon.
1911. *Cyphoderodes ceylonicus* Silvestri (1826) p. 409, figs. 55–64; Ceylon.
1913. *Cyphoderodes ceylonicus* Börner (250) p. 275; type species.
1948. *Cyphoderodes ceylonicus* Delamare Deboutteville (561) p. 393; Diagnosis.

Cyphoderodes dubius Börner, 1913

1913. *Cyphoderodes dubius* Börner (250) p. 280, fig. 6; Central India.
1948. *Cyphoderodes dubius* Delamare Deboutteville (561) p. 392; Diagnosis.

Cyphoderodes xenopus Börner, 1913

1913. *Cyphoderodes xenopus* Börner (250) p. 279, fig. 5; Rio Grande.
1948. *Cyphoderodes xenopus* Delamare Deboutteville (561) p. 392; Diagnosis.

Genus: CALOBATINUS Silvestri, 1917 (1827) p. 319.
= *Calobatella* Börner, 1913 (250) p. 282.
= *Calobatana* Strand, 1928 (1910) p. 45.
Type species fixed: *C. rhadinopus*, by Börner, 1913 (250) p. 275.

Calobatinus erythraea (Silvestri) 1917

1917. *Calobatinus rhadinopus erythraea* Silvestri (1827) p. 319, figs. XXVII, XXVIII; Eritrea, Africa.
1948. *Calobatinus erythraea* Delamare Deboutteville (561) p. 396, figs. 170–179; Diagnosis.

Calobatinus grassei (Denis) 1942

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1942. *Calobatina grassei* Denis (669) p. 7, fig. 3; Ivory Coast.
1948. *Calobatinus Grassei* Delamare Deboutteville (561) p. 394, figs. 163–169; Diagnosis.

Calobatinus occidentalis (Silvestri) 1917

1917. *Calobatinus rhadinopus occidentalis* Silvestri (1827) p. 323, figs. XXIX, XXX; French Guinea.
1948. *Calobatinus occidentalis* Delamare Deboutteville (561) p. 399, figs. 180–187; French Guinea.

Calobatinus rhadinopus (Börner) 1913

1913. *Calobatella rhadinopus* Börner (250) p. 282, fig. 9; Natal.
1929. *Calobatinus rhadinopus* Handschin (1007) p. 27; Eritrea.
1934. *Calobatella rhadinopus* Womersley (2177) p. 473; Egypt.
1948. *Calobatinus rhadinopus* Delamare Deboutteville (561) p. 396; Diagnosis.
1959. *Calobatinus rhadinopus* Paclt (2316) p. 62; South Africa.

Calobatinus rhadinopus erythraea Silvestri, 1917

1917. *Calobatinus rhadinopus erythraea* Silvestri (1827) p. 319, figs. XXVII, XXVIII; Eritrea.

Calobatinus rhadinopus occidentalis Silvestri, 1917

1917. *Calobatinus rhadinopus occidentalis* Silvestri (1827) p. 323, figs. 29–30; West Africa.

Subfamily PARONELLINAE Börner, 1913 (249) p. 320.

Genus: APHYSA Handschin, 1925 (985) p. 260.
= *Microphysa* Handschin (985) p. 257.
= *Phorophysa* Salmon, 1945 (1684) p. 71.
= *Handschinphysa* Paclt, 1947 (1535) p. 84.
Type species now designated: *A. villosa,* Handschin, 1925 (985) p. 261, by selection.

Aphysa boerneri (Imms) 1912

TYPE: Indian Mus., Calcutta.
PARATYPES: Brit. Mus. Nat. Hist., London.
1912. *Paronella* börneri Imms (1090) p. 106, Pl. X, figs. 70–74; Pl. XI, figs. 75–76; Butal, Nepal.
1951. *Paronella börneri* Roonwal *et al.* (1665) p. 6; India.
1951. *Paronella börneri* Roonwal *et al.* (1665) p. 503; India.
1957. *Handschinphysa börneri* Salmon (1716) p. 319, Pl. XXIII, figs. 17–20; India.

Aphysa brunnea (Carpenter) 1924

1924. *Paronella brunnea* Carpenter (394) p. 287, fig. 7; Assam.
1931. *Aphysa brunnea* Bonet (205) p. 388; Assam, in caves.

Aphysa carli Handschin, 1929

1929. *Aphysa carli* Handschin (1006) p. 248, figs. 33–35; India.

Aphysa cingulata (Bonet) 1930

1930. *Microphysa cingulata* Bonet (203) p. 265, fig. 8; India.

Aphysa crassicornis (Carpenter) 1917

1917. *Paronella crassicornis* Carpenter (391) p. 564, Pl. LVI, figs. 13–23; Lower Burma.
1957. *Handschinphysa crassicornis* Salmon (1716) p. 321, Pl. XXIV, figs. 21–25; India.

Aphysa eburnea Delamare Deboutteville, 1951

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1947. **Paronella eburnea* Delamare Deboutteville (547).
1950. *Aphysa eburnea* Delamare Deboutteville (570) p. 74–, fig. 19; Ivory Coast.
1951. *Aphysa eburnea* Delamare Deboutteville (579) p. 1075, figs. 1–4; Ivory Coast.

Aphysa escheri (Handschin) 1929

1929. *Microphysa escheri* Handschin (1006) p. 253, figs. 42–44; Sth. India.

Aphysa fissimucronata Denis, 1948

1948. *Aphysa fissimucronata* Denis (676) p. 284, fig. 33; Indo-China.

Aphysa fissisetosa Handschin, 1929

1929. *Aphysa fissisetosa* Handschin (1006) p. 251, figs. 39–41; South India.

Aphysa florensis (Oudemans) 1890

1890. *Entomobrya florensis* Oudemans (1512) p. 86, Pl. VII, fig. 15; Flores.
1925. *Aphysa florensis* Handschin (985)p. 267; Flores, Malay Archipelago.
1926. *Microphysa florensis* Handschin (993) p. 458; Java.
1928. *Aphysa florensis* Handschin (1001) p. 267; Sumatra; Java; Flores.

Aphysa indica Handschin, 1929

1929. *Aphysa indica* Handschin (1006) p. 249, figs. 36–38; Sth. India.

Aphysa japonica (Kinoshita) 1917

1917. *Paronella japonica* Kinoshita (1174) p. 44, fig. 2; Japan.
1943. *Paronella japonica* Uchida (2020) p. 16, Pl. VI, figs. A-P; Japan; Burma.
1950. *Microphysa japonica* Kinoshita & Uchida (1179) p. 18 and fig; Japan.
1954. *Handschinphysa japonica* Yosii (2231) p. 806; Japan.
1958. *Handschinphysa japonica* Uchida (2044) p. 16; Japan.

Aphysa lineata (Parona) 1892

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1892. *Entomybrya lineata* Parona (1564) p. 132, Pl. I, figs. 13–14; Chialla.
1903. *Paronella lineata* Schött (1773) p. viii, Pl. I, figs. 15–16; India; Burma.
1906. *Paronella tarsata* Börner (243) p. 177; Java.
1912. *Paronella tarsata* Imms (1090) p. 120; Java.
1925. *Microphysa lineata* Handschin (985) p. 258, figs. 67–73; Java; Sumatra.
1926. *Paronella lineata* Handschin (988) p. 16, fig. 10; Biology.
1928. *Microphysa lineata* Handschin (1001) p. 263; Java.
1929. *Microphysa lineata* Handschin (1006) p. 256; Sth. India.
1932. *Microphysa lineata* Handschin (1010) p. 484; Sumatra.
1942. *Microphysa lineata* Absolon & Kseneman (27) p. 14; fig. 15.
1948. *Microphysa lineata* Denis (676) p. 272, fig. 29; Synonymy; Justification; Indo-China.
1956. *Handschinphysa lineata* Yosii (2235) p. 76, Pl. XXXIX, fig. 227; Japan.
1957. *Handschinphysa lineata* Salmon (1716) p. 322, Pl. XXV, XXVI, figs. 26–41; India.

Aphysa longicornis (Oudemans) 1890

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1890. *Entomobrya longicornis* Oudemans (1512) pp. 74, 87, fig. 14; Java.
1898. *Paronella longicornis* Schaeffer (1737) p. 409; Bismarck Archipelago.
1903. *Paronella longicornis* Schött (1773) p. X, Pl. I, figs. 21–23, Pl. II, fig. 7; Sumatra; Java.

* This reference published without description may refer to *A. eburnea* published in 1951.

1910. *Campylothorax ceylonicus* Ritter (1661) p. 388, figs. 29–31; Ceylon.
1925. *Aphysa longicornis* Handschin (985) p. 261, figs. 75–78; Java; Sumatra.
1925. *Aphysa dubia* Schött (1777) p. 121, figs. 4, 25–30; Sarawak.
1926. *Aphysa longicornis* Handschin (993) p. 459; Java.
1928. *Aphysa longicornis* Handschin (1001) p. 267; Java.
1930. *Aphysa longicornis* Handschin (1009) p. 421; Philippines.
1936. *Paronella* (*Aphysa*) *longicornis* Denis (661) p. 272, figs. 34, 35; North India.
1948. *Aphysa longicornis* Denis (676) p. 282, fig. 32; Indo-China.
1957. *Handschinphysa longicornis* Salmon (1716) p. 327, Pl. XXVIII, figs. 46–52; Assam.

Aphysa schoetti (Schött, 1925) Handschin, 1928

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1925. *Aphysa dubia* Schött (1777) p. 121, fig. 5; Sarawak.
1928. *Aphysa schötti* Handschin (1001) p. 267; Java.

Aphysa semiviolacea (Handschin) 1929

1929. *Microphysa semiviolacea* Handschin (1006) p. 254, figs. 45–47; Sth. India.

Aphysa serrata (Salmon) 1957

TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1957. *Handschinphysa serrata* Salmon (1716) p. 329, Pl. XXIX, figs. 53–58; Assam.

Aphysa vestita (Handschin) 1925

1925. *Microphysa vestita* Handschin (985) p. 257, figs. 64–66; Java.
1928. *Microphysa vestita* Handschin (1001) p. 267; Java.
1954. *Handschinphysa vestita* Uchida (2032) p. 1–, Pl. I; Japan.
1957. *Handschinphysa vestita* Salmon (1716) p. 325, Pl. XXVII, figs. 42–45; India, Assam.

Aphysa villosa Handschin, 1925

1925. *Aphysa villosa* Handschin (985) p. 262, figs. 79–83; Java.
1926. *Aphysa villosa* Handschin (993) p. 460; Java.
1928. *Aphysa villosa* Handschin (1001) p. 267; Java.

Genus: BROMACANTHUS Schött, 1925 (1777) p. 125.
= *Glacialoca* Salmon, 1941 (1676) p. 405.
Type species now designated: *B. handschini* Schött, by monotypy.

Bromacanthus caeruleus (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Glacialoca caerula* Salmon (1676) p. 405, Pl. 67, figs. 453–455; New Zealand.

Bromacanthus handschini Schött, 1925

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1925. *Bromacanthus handschini* Schött (1777) p. 126, figs. 35–38, 6; Nth. Sarawak.
1928. *Pseudoparonella handschini* Handschin (1001) p. 267; Borneo.

Genus: DICRANOCENTROIDES Imms, 1912 (1090) p. 102.
Type species now designated: *D. fasciculatus* Imms, by monotypy.

Dicranocentroides argentatus Schött, 1925

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1925. *Dicranocentroides argentatus* Schött (1777) p. 123, figs. 31–33, 5; Nth. Sarawak.
1928. *Dicranocentroides argentatus* Handschin (1001) p. 267; Borneo.

Dicranocentroides coomani Delamare Debouteville, 1948

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1948. *Dicranocentroides coomani* Delamare Debouteville (564) p. 12, figs. 1–8; Tonkin, Fr. Indo-China.

Dicranocentroides fasciculatus Imms, 1912

PARATYPE: Brit. Mus. Nat. Hist., London.
1912. *Dicranocentroides fasciculatus* Imms (1090) p. 102, Pl. VIII, figs. 45–47; Pl. IX, figs. 55, 55a; Pl. X, fig. 68; Himalayan foothills.
1955. *Dicranocentroides fasciculatus* Baijal (1369) p. 510; N.W. Himalayas.
1957. *Dicranocentroides fasciculatus* Salmon (1716) p. 316, Pl. XXII, figs. 10–16; India.

Dicranocentroides longiceps Handschin, 1925

1925. *Dicranocentroides longiceps* Handschin (985) p. 263, figs. 84–86; Sumatra.
1928. *Dicranocentroides longiceps* Handschin (1001) p. 267; Sumatra.

Genus: DICRANOCENTROPHA Wray, 1953 (2210) p. 144.
Type species fixed: *D. sabana*, by Wray, 1953 (2210) p. 144.

Dicranocentropha sabana Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1953. *Dicranocentropha sabana* Wray (2210) p. 144, fig. 1, I-P; Puerto Rico.

Genus: PARONELLA Schött, 1893 (1764) p. 14.
= *Tricorypha* Schött, 1893 (1764) p. 16.
= *Callyntrura* Börner, 1906 (243) p. 179.
= *Microparonella* Carpenter, 1916 (390) p. 43.
Type species fixed: *P. fusca* Schött, by Börner, 1903 (239) p. 177; by monotypy.
PARONELLA Schött, 1893. Placed on Official List of Generic Names, Int. Comm. Zool. Nomen., 1958 (2377) p. 93, as proposed by Gisin, Opinion 291, 1954 (1100) p. 104.

Paronella annulicornis (Oudemans) 1890

1890. *Sira annulicornis* Oudemans (1512) p. 87; Java.
1898. *Paronella annulicornis* Schäffer (1737) p. 409; East Indies.
1903. *Paronella annulicornis* Schött (1773) p. 6, Pl. I, fig. 7, Pl. II, fig. 5; Java.
1925. *Paronella annulicornis* Handschin (985) p. 256, figs. 60–63; Java.
1926. *Paronella annulicornis* Handschin (993) p. 458; Java.
1928. *Paronella annulicornis* Handschin (1001) p. 263; Java.
1933. *Paronella annulicornis* Denis (645) p. 267; Dutch E. Indies.
1948. *Paronella annulicornis* Denis (676) p. 281, fig. 31; Indo-China.

Paronella anopla (Börner) 1906

1906. *Paronella* (*Callyntrura*) *anopla* Börner (243) p. 179; Java.
1925. *Aphysa* (*Callyntrura*) *anopla* Handschin (985) p. 267; Java.
1928. *Callyntrura anopla* Handschin (1001) p. 267; Java.

Paronella appendiculata Schött, 1917

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1917. *Paronella appendiculata* Schött (1774) p. 29, Pl. 2, fig. 5, figs. 33–35; Nth. Queensland.
1934. *Pseudoparonella appendiculata* Womersley (2178) p. 127; W. Australia.
1939. *Pseudoparonella appendiculata* Womersley (2190) p. 209, fig. 64 E-H; Australia.

Paronella atrofasciata (Schött) 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.

1893. *Trichorypha atro-fasciata* Schött (1764) p. 18; Cameroons.
1903. *Paronella atrofasciata* Schött (1773) p. 8, Pl. I, figs. 12–14; West Africa.
1926. *Paronella atrofasciata* Schött (1779) p. 26, Pl. III, figs. 4–5; Cameroons.
1933. *Paronella atrofasciata* Denis (645) p. 269; Africa.
1934. *Paronella atrofasciata* Womersley (2177) p. 471; Cameroons.

Paronella attygallei Fernando, 1957

1957. *Paronella attygallei* Fernando (759) p. 198, Pl. XL, figs. 1–4; Ceylon.

Paronella beguei Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Paronella beguei* Delamare Deboutteville (570) p. 60–, fig. 21; Ivory Coast.
1951. *Paronella beguei* Delamare Deboutteville (579) p. 1072, figs. 5–12; Ivory Coast.

Paronella berlandi Denis, 1925

1925. *Paronella berlandi* Denis (621) p. 263, figs. 98–100; French Guiana.

Paronella bimaculata (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1959. *Callyntrura bimaculata* Yosii (2355) p. 47, fig. 27; Singapore.

Paronella bougainvilleae Yosii, 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1960. *Paronella bougainvilleae* Yosii (2408) p. 27, fig. 15; Solomon Is.; Bougainville Is.

Paronella brevicornis (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1959. *Callyntrura brevicornis* Yosii (2355) p. 52, fig. 30; Singapore.

Paronella brunnea Carpenter, 1924

TYPE: Indian Mus., Calcutta.

1924. *Paronella brunnea* Carpenter (394) p. 287, figs. 7–9; Assam.

Paronella bukit-timahensis (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1959. *Callyntrura bukit-timahensis* Yosii (2355) p. 45, fig. 26; Malaya.

Paronella caerulea (Carpenter) 1916

SYNTYPES: Brit. Mus. Nat. Hist., London; Univ. Mus., Cambridge, England.

1916. *Microparonella caerulea* Carpenter (390) p. 43, Pl. XVII, figs. 55–58; Seychelles.
1929. *Paronella coerulea* Handschin (1007) p. 27; Seychelles.

Paronella carpenteri Denis, 1925

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1925. *Paronella carpenteri* Denis (621) p. 261, figs. 95–97; Costa Rica.
1931. *Paronella carpenteri* Denis (638) p. 151, figs. 174–178; Costa Rica.
1933. *Paronella carpenteri* Denis (645) p. 262; Costa Rica.

Paronella cheesmani Womersley, 1937

TYPE: Brit. Mus. Nat. Hist., London.

PARATYPE: Sth. Austr. Mus., Adelaide.

1937. *Paronella cheesmani* Womersley (2184) p. 207, fig. 1 j-l; Dutch New Guinea.

Paronella dahli Schaeffer, 1898

1898. *Paronella dahlii* Schaeffer (1737) p. 409, figs. 9–14, 47; Bismarck Archipelago.
1901. *Paronella dahlii* Schött (1771) p. 322; Dutch New Guinea.
1903. *Paronella dahlii* Schött (1773) p. xii, Pl. I, figs. 27–28; Bismarck Archipelago.
1937. *Paronella dahlii* Womersley (2184) p. 207; Dutch New Guinea.

Paronella dahli tamarensis Schött, 1901

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.

1901. *Paronella dahlii tamarensis* Schött (1771) p. 323, figs. 29–30; Dutch New Guinea.
1903. *Paronella dahlii tamarensis* Schött (1773) p. 12; Dutch New Guinea.
1937. *Paronella dahlii tamarensis* Womersley (2184) p. 207; Dutch New Guinea.

Paronella distinguenda Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1931. *Paronella distinguenda* Denis (638) p. 152, figs. 180–187; Costa Rica.

Paronella dubia Börner, 1913

1913. *Paronella dubia* Börner (251) p. 56, figs. 11–13; Java.
1925. *Aphysa dubia* Handschin (985) p. 267; Java.
1942. *Paronella dubia* Absolon and Kseneman (27), p. 13, fig. 13; Java.

Paronella elongata Carpenter, 1917

TYPE: Indian Mus., Calcutta.

1917. *Paronella elongata* Carpenter (391) p. 565, Pl. LVII, figs. 28–33; Burma; Siam.
1942. *Paronella elongata* Absolon and Kseneman (27) p. 13, fig. 14; Burma.

Paronella flava Carpenter, 1917

TYPE: Indian Mus., Calcutta.

1917. *Paronella flava* Carpenter (391) p. 565, Pl. LVI, figs. 24–27; Lower Burma.
1929. *Paronella flava* Handschin (1007) p. 27; Seychelles.
1934. *Paronella flava* Womersley (2177) p. 471; Seychelles.

Paronella fuelleborni Börner, 1903

1903. *Paronella fülleborni* Börner (239) p. 143, fig. 10; Nyasa.
1908. *Paronella fülleborni* Wahlgren (2086) p. 9; Kilimanjaro.
1929. *Paronella fülleborni* Handschin (1007) p. 27; Kilimanjaro.
1934. *Paronella fuelleborni* Womersley (2177) p. 471; Madagascar; Kilimanjaro.

Paronella fusca Schött, 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.

1893. *Paronella fusca* Schött (1764) p. 16, Pl. IV; Cameroons.
1903. *Paronella fusca* Schött (1773) p. 6, Pl. I, figs. 1–6; West Africa.
1926. *Paronella fusca* Schött (1779) p. 25, Pl. III, figs. 1–3; Cameroons.
1934. *Paronella fusca* Womersley (2177) p. 471; Cameroons.
1951. *Paronella fusca* Gisin (878) p. 57; Nomenclature.
1954. *Paronella (Paronella) fusca* Int. Comm. (1100) p. 105; Proposed Official Specific Name.
1958. *Paronella (Paronella) fusca* Int. Comm. (2378) p. 25; Listed Official Specific Name.

Paronella ghesquierei Marlier, 1945

1945. *Paronella ghesquierei* Marlier (1377) p. 260, fig. VI; Belgian Congo.

Paronella gracilis Imms, 1912

TYPE: Indian Mus., Calcutta.

1912. *Paronella gracilis* Imms (1090) p. 109, Pl. XI, figs. 77, 78; Himalayan foothills.

1955. *Paronella gracilis* Baijal (1369) p. 511; N.W. Himalayas.

Parona grassei Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Paronella Grassei* Delamare Deboutteville (570) p. 63–, fig. 16; Ivory Coast.

Paronella hirtipes Handschin, 1924

1924. *Paronella hirtipes* Handschin (982) p. 21, fig. 5; Sth. America.

Paronella innominata C.R.I, Denis, 1933

1933. *Paronella innominata* C.R.I, Denis (645) p. 263; Costa Rica.

Paronella innominata C.R.II, Denis, 1933

1933. *Paronella innominata* C.R.II, Denis (645) p. 263, fig. 49; Costa Rica.

Paronella innominata C.R.III, Denis, 1933

1933. *Paronella innominata* C.R.III, Denis (645) p. 263, figs. 50–53; Costa Rica.

Paronella insignis Imms, 1912

TYPE: Indian Mus., Calcutta.

PARATYPE: Brit. Mus. Nat. Hist., London.

1912. *Paronella insignis* Imms (1090) p. 112, Pl. XI, fig. 80, Pl. XII, figs. 81–82; Sth. India.

Paronella insularis Uchida, 1944

1944. *Paronella insularis* Uchida (2021) p. 11, Pl. XI; Micronesia.

1958. *Paronella insularis* Uchida (2044) p. 16; Micronesia.

Paronella japonica Kinoshita, 1917

1917. *Paronella japonica* Kinoshita (1174) p. 44; Japan.

1917. *Paronella elongata* Carpenter (391) p. 565; Burma.

1938. *Paronella japonica* Uchida (2015) p. 8; Japan.

1943. *Paronella japonica* Uchida (2020) p. 16; Japan; syn.: *elongata* Carp.

Paronella lamottei Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Paronella lamottei* Delamare Deboutteville (567) p. 43, figs. 1–6; Fr. Guinea.

Paronella malayana (Yosii) 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1959. *Callyntrura malayana* Yosii (2355) p. 49, fig. 28; Singapore.

Paronella marginata (Yosii) 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.

1961. *Callyntrura marginata* Yosii (2569) p. 190, fig. 14; Thailand.

Paronella montana Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Paronella montana* Delamare Deboutteville (570) p. 58–, fig. 14; Ivory Coast.

Paronella nigromaculata Schött, 1903

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.

1903. *Paronella nigromaculata* Schött (1773) p. 7, Pl. I, figs. 8–11; West Africa.

1908. *Paronella nigromaculata* Wahlgren (2086) p. 8; Meru.

1926. *Paronella nigromaculata* Philiptschenko (1592) p. 192; Brit. E. Africa.

1926. *Paronella nigromaculata* Schött (1779) p. 27, Pl. II, figs. 10–15; Cameroons.

1929. *Paronella nigromaculata* Handschin (1007) p. 22, figs. 17–21; Abyssinia; East Africa; Kilimanjaro.

1950. *Paronella nigromaculata* Delamare Deboutteville (570) p. 205; Ivory Coast.

1952. *Paronella nigromaculata* Delamare Deboutteville (2267) p. 77; Ivory Coast.

1956. *Paronella nigromaculata* Salmon (1712) p. 325, figs. 88–102; Ruanda.

1959. *Paronella nigromaculata* Paclt (2316) p. 36; Sth. Africa.

Paronella nigromaculata pallida Delamare Deboutteville, 1951

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1951. *Paronella nigromaculata pallida* Delamare Deboutteville (577) p. 271; Ivory Coast.

1952. *Paronella nigromaculata pallida* Delamare Deboutteville (2267) p. 77; Ivory Coast.

Paronella penicillata Schött, 1926

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.

1926. *Paronella penicillata* Schött (1779) p. 29, Pl. II, figs. 16–20; Cameroons.

1934. *Paronella penicillata* Womersley (2177) p. 471; Cameroons.

1950. *Paronella penicillata* Delamare Deboutteville (570) p. 186; Ivory Coast.

1952. *Paronella penicillata* Delamare Deboutteville (2267) p. 77; Ivory Coast.

1956. *Paronella penicillata* Paclt (1541) p. 83, fig. 108; Biology.

Paronella penicillata obscura Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1950. *Paronella penicillata obscura* Delamare Deboutteville (570) p. 205; Ivory Coast.

1951. *Paronella penicillata obscura* Delamare Deboutteville (577) p. 271; Africa.

Paronella penicillata pallida Delamare Deboutteville, 1952

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1952. *Paronella penicillata pallida* Delamare Deboutteville (2267) p. 77; Ivory Coast.

Paronella phanolepis Imms, 1912

TYPE: Indian Mus., Calcutta.

PARATYPES: Brit. Mus. Nat. Hist., London.

1912. *Paronella phanolepis* Imms (1090) Pl. X, fig. 69, Pl. XI, fig. 79; Himalayan foothills.

1955. *Paronella phanolepis* Baijal (1369) p. 511; N.W. Himalayas.

Paronella picta Schaeffer, 1898

1898. *Paronella picta* Schaeffer (1737) p. 410, figs. 48–52; Bismarck Archipelago.

1903. *Paronella picta* Schött (1773) p. 12, Pl. I, fig. 29; Bismarck Archipelago.

Paronella queenslandica Schött, 1917

LECTOTYPE. PARATYPES: Swed. Mus. Nat. Hist., Stockholm.

1917. *Paronella queenslandica* Schött (1774) p. 26, Pl. 2, figs. 3–4; Queensland.

1939. *Pseudoparonella queenslandica* Womersley (2190) p. 209, fig. 64 A-D; Queensland.
1960. *Pseudoparonella queenslandica* Yosii (2408) p. 28, fig. 16; New Caledonia.

Paronella queenslandica flavotruncata (Yosii) 1960
TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1960. *Pseudoparonella queenslandica flavotruncata* Yosii (2408) p. 30, fig. 16; New Caledonia.

Paronella segmentata Folsom, 1924
HOLOTYPE: Mus. Comp. Zool., Harvard.
1924. *Paronella segmentata* Folsom (796) p. 511, Pl. 4, figs. 32–37; East Indies.
1928. *Aphysa segmentata* Handschin (1001) p. 267; Sumatra.

Paronella semilineata (Yosii) 1961
TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Callyntrura semilineata* Yosii (2569) p. 187, fig. 12; Thailand.

Paronella separata Denis, 1933
1933. *Paronella separata* Denis (645) p. 262, figs. 46–48; Costa Rica.

*Paronella seychellesiensis *nom. nov.*
1916. *Microparonella flava* Carpenter (390) p. 44, Pl. 17, figs. 59–62; Seychelles.

Paronella spinifera (Yosii) 1961
TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Callyntrura spinifera* Yosii (2569) p. 191, fig. 15, Thailand.

Paronella subcarpenteri Denis, 1948
1948. *Paronella subcarpenteri* Denis (676) p. 279, fig. 30; Indo-China.

Paronella tarsata Börner, 1906
1906. *Paronella tarsata* Börner (243) p. 177; Java.
1913. *Paronella tarsata* Börner (251) p. 55; Java.

Paronella travancorica Imms, 1912
1912. *Paronella travancorica* Imms (1090) p. 108, Pl. IX, figs. 62–66, Pl. X, fig. 67; India.

Paronella unilineata (Yosii) 1961
TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Callyntrura unilineata* Yosii (2569) p. 189, fig. 13; Thailand.

†Paronella villiersi Delamare Deboutteville, 1947
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1947. *Paronella villiersi* Delamare Deboutteville (547).
1950. *Paronella villiersi* Delamare Deboutteville (570) p. 50, et seq.; Ivory Coast.

Paronella villiersi anomala Delamare Deboutteville, 1951
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1951. *Paronella villiersi anomala* Delamare Deboutteville (577) p. 271; Africa.

Paronella villiersi pallida Delamare Deboutteville, 1950
TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Paronella villiersi pallida* Delamare Deboutteville (570) p. 74; Ivory Coast.

Paronella zonata (Yosii) 1959
TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Callyntrura zonata* Yosii (2355) p. 50, fig. 29; Malaya.

Genus: PARONANA Womersley, 1939 (2190) p. 211.
Type species fixed: *P. bidenticulata* (Carpenter), by Womersley, 1939 (2190) p. 211.

Paronana bidenticulata Carpenter, 1925
TYPE: Manchester Mus., England.
1925. *Paronella bidenticulata* Carpenter (395) p. 99, fig. 44; New Zealand.
1936. *Pseudoparonella bidenticulata* Womersley (2183) p. 323; New Zealand.
1939. *Paronana bidenticulata* Womersley (2190) p. 211, fig. 64 K-M; Australia.
1941. *Paronana bidenticulata* Salmon (1676) p. 405, figs. 477–479; New Zealand.

Paronana karoriensis (Salmon) 1937
TYPE: Dominion Mus., Wellington, N.Z.
1937. *Salina karoriensis* Salmon (1674) p. 356, Pl. 51 f-i; New Zealand.
1941. *Paronana karoriensis* Salmon (1676) p. 401, Pl. 68, figs. 461–465; New Zealand.

Paronana maculosa (Salmon) 1937
TYPE: Dominion Mus., Wellington, N.Z.
1937. *Salina karoriensis maculosa* Salmon (1674) p. 357; New Zealand.
1941. *Paronana maculosa* Salmon (1676) p. 404, fig. 466; New Zealand.
1943. *Paronana maculosa* Salmon (1680) p. 388; New Zealand.

Paronana pigmenta Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Paronana pigmenta* Salmon (1676) p. 401, Pl. 69, figs. 470–471; New Zealand.
1943. *Paronana pigmenta* Salmon (1680) p. 388; New Zealand.

Genus: PSEUDOPARONELLA Handschin, 1925 (985) p. 254.
= *Handschinella* Yosii, 1959 (2355) p. 653.
Type species fixed: *P. appendiculata* (Schött), by Handschin, 1925 (985) p. 254.

Pseudoparonella doveri Carpenter, 1932
LECTOTYPE AND SYNTYPE: Manchester Mus., England.
1932. *Pseudoparonella doveri* Carpenter (398) p. 220, figs. 7–11; Malaya.
1942. *Pseudoparonella doveri* Absolon and Kseneman (27) p. 25, fig. 22.

Pseudoparonella halophila Womersley, 1934
TYPE, PARATYPES: Sth. Austr. Mus., Adelaide.
1934. *Pseudoparonella halophila* Womersley (2178) p. 127, fig. 17 A-C; W. Australia.
1939. *Pseudoparonella halophila* Womersley (2190) p. 211, fig. 64 I-J; W. Australia.

* The genus *Microparonella* is now synonymised under *Paronella* in which genus the specific name *flava* was pre-occupied by Carpenter in 1917 (391) p. 565, but *M. flava* and *P. flava* are two distinct species; therefore, as Carpenter's personal name has also been used specifically in *Paronella,* I have here renamed his *Microparonella* species after its locality.

† This name, first published without a description, is, strictly speaking, invalid under Art. 13 of the International Rules of Zoological Nomenclature.

Pseudoparonella incerta Handschin, 1925

1925. *Pseudoparonella incerta* Handschin (985) p. 255, fig. 59; Sumatra.
1928. *Pseudoparonella incerta* Handschin (1001) p. 267; Sumatra.

Pseudoparonella nigrofasciata Handschin, 1928

1928. *Pseudoparonella nigrofasciata* Handschin (1001) p. 262, figs. 27–30; Java.

Pseudoparonella novae-caledoniae Yosii, 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1960. *Pseudoparonella novae-caledoniae* Yosii (2408) p. 30, fig. 17; New Caledonia.

Pseudoparonella orientalis Handschin, 1930

1930. *Pseudoparonella orientalis* Handschin (1009) p. 417, Pl. 3, figs. 28–34; Philippines.

Pseudoparonella papuanae Womersley, 1937

TYPE: Brit. Mus. Nat. Hist., London.
1937. *Pseudoparonella papuanus* Womersley (2184) p. 208, fig. 1 m-p; New Guinea.

Pseudoparonella setigera (Börner) 1906

1906. *Paronella setigera* Börner (243) p. 178; Java.
1925. *Pseudoparonella setigera* Handschin (985) p. 254, figs. 53–58; Sumatra.
1925. *Pseudoparonella setigera* Handschin (989) p. 237; Philippines; New Caledonia; Sumatra; Java.
1928. *Pseudoparonella setigera* Handschin (1001) p. 267; Sumatra; Java.
1959. *Handschinella setigera* Yosii (2355) p. 53; Malaya.

Pseudoparonella shibatai Yosii, 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1960. *Pseudoparonella shibatai* Yosii (2408) p. 32, fig. 18; New Caledonia.

Genus: LEPIDONELLA Yosii, 1960 (2408) p. 33.

Type species fixed: *L. tokiokai,* by Yosii, 1960 (2408) p. 33.

Lepidonella tokiokai Yosii, 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1960. *Lepidonella tokiokai* Yosii (2408) p. 33, fig. 19; Solomon Is., Bougainville I.

Genus: DICRANOCENTRUGA Wray, 1953 (2210) p. 141.

Type species fixed: *D. jataca,* by Wray, 1953 (2210) p. 143.

Dicranocentruga jataca Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1953. *Dicranocentruga jataca* Wray (2210) p. 143, fig. 1 A-H; Puerto Rico.

Genus: PARACHAETOCERAS Salmon, 1941 (1676) p. 406.

Type species fixed: *C. pritchardi* (Womersley), by Salmon, 1941 (1676) p. 406.

Parachaetoceras pritchardi (Womersley) 1936

TYPE: Sth. Austr. Mus., Adelaide.
1936. *Chaetoceras pritchardi* Womersley (2183) p. 323, fig. II a-e; New Zealand.
1937. *Chaetoceras pritchardi* Salmon (1674) p. 357; New Zealand.
1941. *Parachaetoceras pritchardi* Salmon (1676) p. 406, figs. 456–460; New Zealand.
1943. *Parachaetoceras pritchardi* Salmon (1680) p. 388; New Zealand.

Genus: PARASALINA Salmon, 1944 (1683) p. 169.
= *Paronana* Womersley, 1939 (2190) p. 211, in part.

Type species fixed: *P. dorsanota,* by Salmon, 1944 (1683) p. 169.

Parasalina dorsanota (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Paronana dorsanota* Salmon (1676) p. 402, Pl. 69, figs. 467–469; New Zealand.
1944. *Parasalina dorsanota* Salmon (1683) p. 169; New Zealand.

Parasalina dorsanota intermedia Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Parasalina dorsanota intermedia* Salmon (1683) p. 170, Pl. 62, fig. 161; New Zealand.

Parasalina dorsanota sufflava (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Paronana sufflava* Salmon (1676) p. 404, Pl. 69, figs. 472–473; New Zealand.
1944. *Parasalina dorsanota sufflava* Salmon (1683) p. 169; New Zealand.

Parasalina pilosa Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Parasalina pilosa* Salmon (1683) p. 170, Pl. 62, figs. 158–160; New Zealand.

Parasalina tasmasecta (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Paronana tasmasecta* Salmon (1676) p. 403, Pl. 69, figs. 474–476; New Zealand.
1944. *Parasalina tasmasecta* Salmon (1683) p. 171; New Zealand.

Parasalina tasmasecta **boldensis** Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Parasalina tasmasecta boldensis* Salmon (1683) p. 171, Pl. 62, figs. 162–164; New Zealand.

Genus: PLUMACHAETAS Salmon, 1951 (1692) p. 27.
= *Chaetoceras* Handschin, 1926 (989) p. 238.

Type species now designated: *P. sarasini* (Handschin), by monotypy.

Plumachaetas sarasini (Handschin) 1926

1926. *Chaetoceras sarasini* Handschin (989) p. 238, Pl. 2, figs. 11–14; New Caledonia.

Genus: SALINA MacGillivray, 1894 (1343) p. 107.
= *Cremastocephalus* Schött, 1896 (1769) p. —.

Type species fixed: *S. banksi,* by MacGillivray, 1894 (1343) p. 107.

Salina **banksi** MacGillivray, 1894

TYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1894. *Salina banksii* MacGillivray (1343) p. 107; Nth. America.

Salina **bicincta** (Börner) 1909

1909. *Cremastocephalus bicinctus* Börner (246) p. 123; Japan.
1928. *Cremastocephalus bicinctus* Handschin (1001) p. 260; Japan; Diagnosis.
1932. *Salina bicinctus* Kinoshita (1178) p. 2124 and fig.; Japan.
1938. *Cremastocephalus bicinctus* Uchida (2015) p. 8; = *C. japonicus.*
1950. *Salina bicinctus* Kinoshita and Uchida (1179) p. 17 and fig.; Japan.
1956. *Salina bicincta* Yosii (2235) p. 76; Japan.
1958. *Salina bicinctus* Uchida (2044) p. 17; Japan.

Salina bidentata (Handschin) 1927

1927. *Cremastocephalus bidentatus* Handschin (997) p. 112, Pl. 4, figs. 11, 12; Costa Rica.
1928. *Cremastocephalus bidentatus* Handschin (1001) p. 261; Costa Rica.
1931. *Salina bidentata* Denis (638) p. 163; Costa Rica.
1950. *Salina bidentata* Delamare Deboutteville (570) pp. 69, 288–, fig. 18; Ivory Coast.

Salina celebensis (Schaeffer) 1898

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1898. *Cremastocephalus celebensis* Schäffer (1737) p. 407, figs. 6–8; Bismarck Archipelago.
1899. *Cremastocephalus affinis* Folsom (775) p. 265, Pl. 2, figs. 24–27; Japan.
1901. *Cremastocephalus celebensis* Schött (1771) p. 322; Dutch New Guinea.
1913. *Cremastocephalus celebensis* Börner (251) p. 54; Java.
1917. *Cremastocephalus celebensis* Schött (1774) p. 22; Queensland.
1924. *Cremastocephalus celebensis* Folsom (796) p. 510, Pl. 3, figs. 28, 29, Pl. 4, figs. 30, 31; Sumatra.
1925. *Cremastocephalus celebensis* Handschin (985) p. 246, figs. 41–43; Java; Sumatra; Celebes.
1926. *Cremastocephalus celebensis* Handschin (988) p. 8, fig. 2; Biology.
1926. *Cremastocephalus celebensis* Handschin (993) p. 458; Java.
1928. *Cremastocephalus celebensis* Carpenter (397) p. 115; Samoa Is.
1928. *Cremastocephalus celebensis* Handschin (1001) p. 255, fig. 18; Queensland; Japan; Bismarck Archipelago; Seychelles; Ceylon; India; Sumatra; Java; Celebes; New Guinea.
1929. *Cremastocephalus celebensis* Handschin (1007) p. 27; Seychelles.
1931. *Cremastocephalus affinis* Matsumura and Uchida (1386) p. 5 and fig.; Japan.
1932. *Cremastocephalus celebensis* Handschin (1010) p. 480; Java.
1932. *Cremastocephalus affinis* Kinoshita (1178) p. 2124 and fig; Japan.
1934. *Salina celebensis* Womersley (2177) p. 469; Seychelles.
1936. *Salina celebensis* Denis (661) p. 272, fig. 36 a-b-c; India.
1938. *Cremastocephalus affinis* Uchida (2015) p. 8; Japan.
1939. *Salina celebensis* Womersley (2190) p. 208, fig. 63 J-L; Nth. Queensland.
1940. *Salina celebensis* Yosii (2225) p. 117, figs. 16, 17; Formosa.
1948. *Salina celebensis* Denis (676) p. 285, fig. 34; Indo-China.
1950. *Salina celebensis* Kinoshita & Uchida (1179) p. 17 and fig; Japan.
1954. *Salina celebensis* Yosii (2231) p. 806; Japan.
1955. *Salina celebensis* Uchida (2034) p. 200; Japan.
1955. *Salina celebensis* Yosii (2233) p. 389; Tokara Is.
1956. *Salina celebensis* Yosii (2235) p. 76, Pl. XXXIX, fig. 226; Japan.
1957. *Salina celebensis* Salmon (1716) p. 334, Pl. XXXII, figs. 70-73; Assam.
1958. *Salina celebensis* Uchida (2044) p. 16; Japan.
1959. *Salina celebensis* Yosii (2355) p. 42, fig. 25; Singapore.

Salina celebensis concolor (Börner) 1909

1909. *Cremastocephalus affinis concolor* Börner (246) p. 123; Japan.
1938. *Cremastocephalus affinis concolor* Uchida (2015) p. 8; Japan.
1958. *Salina celebensis concolor* Uchida (2044) p. 17; Japan.

Salina cingulata (Handschin) 1925

1925. *Cremastocephalus cingulatus* Handschin (985) p. 248, figs. 44–49; Sumatra.
1928. *Cremastocephalus cingulatus* Handschin (1001) p. 258, figs. 7, 8; Sumatra.

Salina decorata Mills, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Salina decorata* Mills (1416) p. 273, figs. 21–28; Florida; Texas.
1942. *Salina decorata* Brimley (276) p. 4; N. Carolina.
1942. *Salina decorata* Mills (1423) p. 4; N. Carolina.

Salina dubiosa Denis, 1936

1936. *Salina dubiosa* Denis (661) p. 275, fig. 37; Nth. India.

Salina ebiformis (Matsumura and Uchida) 1931

1931. *Cremastocephalus ebiformis* Matsumura & Uchida (1386) p. 5 and fig; Japan.

Salina fasciata (Handschin) 1928

1928. *Cremastocephalus fasciatus* Handschin (1001) p. 260, figs. 12, 13; Java.
1948. *Salina fasciata* Delamare Deboutteville (564) p. 14; China.

Salina grisescens Yosii, 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Salina grisescens* Yosii (2569) p. 185, fig. 11; Thailand.

Salina indica (Imms) 1912

PARATYPES: Brit. Mus. Nat. Hist., London.
1912. *Cremastocephalus indicus* Imms (1090) p. 104, Pl. IX, figs. 58, 59; India.
1912. *Cremastocephalus montanus* Imms (1090) p. 105, Pl. IX, fig. 60; East Himalayas.
1928. *Cremastocephalus striatus* Handschin (1001) p. 527, fig. 17; Java.
1929. *Salina striata* Handschin (1006) p. 245, figs, 26–28; Sth. India.
1957. *Salina indica* Salmon (1716) p. 331, Pl. XXX, XXXI, figs. 59–69; Synonymy; India.

Salina insignis (Handschin) 1928

1928. *Cremastocephalus insignis* Handschin (1001) p. 259, figs. 19–24; Java.
1937. *Salina insignis* Womersley (2184) p. 207; New Britain.
1950. *Salina insignis* Delamare Deboutteville (571) p. 107, figs. 1–4; Madagascar.
1955. *Salina insignis* Goto (919) p. 41; Malaya.

Salina javana (Handschin) 1928

1928. *Cremastocephalus javanus* Handschin (1001) p. 259, figs. 14, 15, 25, 26; Java.

Salina maculata Folsom, 1932

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Salina maculata* Folsom (801) p. 71, Pl. 10, figs. 103–110; Hawaii.

1935. *Salina maculata* Carpenter (399) p. 140; Society Islands.
1948. *Salina maculata* Zimmerman (2237) p. 62, fig. 30 a-f, Hawaii.

Salina milloti Delamare Deboutteville, 1948

TYPE: Zool. Mus., Paris.
1948. *Salina milloti Delamare* Deboutteville (554) p. 40, figs. 1–5; Madagascar.

Salina nigra Delamare Deboutteville, 1948

TYPE: Zool. Mus., Paris.
1948. *Salina nigra* Delamare Deboutteville (554) p. 41, fig. 8; Madagascar.

Salina obscura (Handschin) 1925

PARATYPES: Sth. Austr. Mus., Adelaide: = *"Aphysa obscura"* Schott?
1925. *Cremastocephalus obscurus* Handschin (985) p. 249; Sumatra.
1928. *Cremastocephalus obscurus* Handschin (1001) p. 258; Sumatra.

Salina pallida (Carpenter) 1916

SYNTYPES: Brit. Mus. Nat. Hist., London; Univ. Mus., Cambridge, England.
1916. *Cremastocephalus pallidus* Carpenter (390) p. 45, Pl. 17, figs. 67–70; Pl. 18, figs. 78–81; Seychelles.

Salina pallida punctata Uchida, 1943

1943. *Salina pallidus punctatus* Uchida (2020) p. 15, Pl. V, A-F; Japan.
1958. *Salina celebensis punctatus* Uchida (2044) p. 17; Japan.

Salina pulchella Goto, 1955

TYPE: Commonwealth Inst. Ent., London.
1955. *Salina pulchella* Goto (919) p. 37, figs. 6–12; Malaya.

Salina quattuorfasciata (Handschin) 1928

1928. *Cremastocephalus quattuorfasciatus* Handschin (1001) p. 256, figs. 9, 10; Java.
1929. *Salina quattuorfasciata* Handschin (1006) p. 246, figs. 22–25; South India.

Salina scotti (Carpenter) 1916

LECTOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1916. *Cremastocephalus scotti* Carpenter (390) p. 44, Pl. 17, figs. 63–66; Seychelles.
1928. *Cremastocephalus scotti* Handschin (1001) p. 254, fig. 6; Seychelles.
1929. *Cremastocephalus scotti* Handschin (1007) p. 27; Seychelles.

Salina speciosa (Kinoshita) 1932

1932. *Cremastocephalus speciosus* Kinoshita (1178) p. 2121 and fig; Japan.
1938. *Cremastocephalus speciosus* Uchida (2015) p. 8, = *C. ebiformis.*
1950. *Salina speciosus* Kinoshita & Uchida (1179) p. 16 and figs; Japan.

Salina transversalis Yosii, 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Salina transversalis* Yosii (2569) p. 184, fig. 10; Thailand.

Salina tricolor (Handschin) 1928

1928. *Cremastocephalus tricolor* Handschin (1001) p. 257, figs. 21–22; Java.
1929. *Salina tricolor* Handschin (1006) p. 246, figs. 29–32; South India; Diagnosis.

Salina trilineata Delamare Deboutteville, 1948

TYPE: Zool. Mus., Paris.
1948. *Salina trilineata* Delamare Deboutteville (554) p. 41, figs. 6–7; Madagascar.

Salina tribolata (Schött) 1896

1896. *Cremastocephalus trilobatus* Schött (1769) p. 175, Pl. II, figs. 25–26; Nth. America.
1928. *Cremastocephalus trilobatus* Handschin (1001) p. 261, fig. 16; Orig. descr.

Salina tristani Denis, 1931

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1931. *Salina tristani* Denis (638) p. 149, figs. 167–173; Costa Rica.
1933. *Salina tristani* Denis (645) p. 261; Costa Rica.

Salina wolcotti Folsom, 1927

SYNTYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1927. *Salina wolcotti* Folsom (799) p. 11, Pl. 7, 61–64; Pl. 8, 65–67; Porto Rica.
1942. *Salina wolcotti* Essig (733) p. 82; Puerto Rico.
1948. *Salina wolcotti* Wolcott (2145) p. 33, 1 fig.; Puerto Rico.
1956. *Salina wolcotti* Paclt (1541) p. 125; Biology.

Salina yoshikawai Yosii, 1961

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1961. *Salina yoshikawai* Yosii (2569) p. 183, fig. 9; Thailand.

***Salina yosii** *nom. nov.*

TYPE: Yosii's Pers. Colln., Kyoto Univ., Japan.
1961. *Salina maculata* Yosii (2569) p. 182, fig. 7; Thailand.

Salina yunnanensis (Denis) 1929

1929. *Cremastocephalus yunnanensis* Denis (633) p. 313, fig. VIII; Yunan.

Genus: SALINELLA Uchida, 1943 (2020) p. 15.

Type species fixed: *S. kinoshitai*, by Uchida, 1943 (2020) p. 16.

Salinella kinoshitai Uchida, 1943

1943. *Salinella kinoshitai* Uchida (2020) p. 16, Pl. V G-M; Japan.

Genus: AKABOSIA Kinoshita, 1919 (1175) p. 15.
= *Akaboshia* Yosii, 1954 (2231) p. 36.

Type species now designated: *A. matsudoensis* Kinoshita.

Akabosia matsudoensis Kinoshita, 1919

1919. *Akabosia matsudoensis* Kinoshita (1175) p. 16; Japan.
1931. *Akaboshia matsudoensis* Matsumura & Uchida (1386) p. 7 and fig; Japan.

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* The specific name *maculata* being pre-occupied by Folsom's species it becomes necessary to adopt a new name for Yosii's species. The form *maculata* Yosii is very similar to that of Folsom, but Yosii's description being based almost entirely on chaetotaxy, does not allow of an accurate comparison with Folsom's description of his species. Without the actual type specimens to examine it is not possible, therefore, to establish accurately any case of synonymy.

1938. *Akabosia matsudoensis* Uchida (2015) p. 8; Japan.
1950. *Akabosia matsudoensis* Kinoshita & Uchida (1179) p. 18 and fig; Japan.
1954. *Akabosia matsudoensis* Uchida (2030) p. 9, fig. 8 A-D; Japan.
1954. *Akaboshia matsudoensis* Yosii (2231) p. 807, fig. 24; Japan.
1955. *Akaboshia matsudoensis* Yosii (2233) p. 397; Tokara Is.
1958. *Akabosia matsudoensis* Uchida (2044) p. 16; Japan.

Genus: MICRONELLIDES Salmon, 1944 (1683) p. 166.

Type species fixed: *M. oliveri* by Salmon, 1944 (1683) p. 166.

Micronellides oliveri Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Micronellides oliveri* Salmon (1683) p. 166, Pl. 63, figs. 165–171; New Zealand.

Genus: PARONELLIDES Schött, 1925 (1777) p. 120.
= *Pterikrypta* Ritter, 1911 (1661) p. 385.
= *Pericrypta* Schött, 1925 (1777) p. 120.
* Type species now designated: *P. mjobergi* Schött 1917 (1774) p. 23.

Paronellides alticola (Arlé) 1939

1939. *Pericrypta alticola* Arlé (62) p. 29, figs. 17–22; Rio de Janeiro.

Paronellides dandenongensis (Womersley) 1934

TYPES: Sth. Austr. Mus., Adelaide.
1934. *Pericrypta dandenongensis* Womersley (2178) p. 126, fig. 16 a-c; Victoria.
1934. *Pericrypta lineata* Womersley (2178) p. 126, fig. 16 a-c; Victoria.
1936. *Pericrypta tasmaniae* Womersley (2182) p. 482; Tasmania.
1936. *Pericrypta tasmaniae fasciata* Womersley (2182) p. 482, fig. 5; Tasmania.
1936. *Pericrypta tasmaniae maculata* Womersley (2182) p. 482; Tasmania.
1937. *Pericrypta lineata fasciata* Womersley (2188) p. 157; Tasmania.
1937. *Pericrypta lineata tristriata* Womersley (2188) p. 157; Tasmania.
1937. *Pericrypta dandenongensis* Womersley (2189) p. 115; Victoria.
1939. *Paronellides dandenongensis* Womersley (2190) p. 206, fig. 63 C-I; Synonymy; Australia.

Paronellides dandenongensis lineata (Womersley) 1934

TYPE: Sth. Austr. Mus.,Adelaide.
1934. *Pericrypta lineata* Womersley (2178) p. 126, fig. 16 d-f; Tasmania.
1939. *Paronellides dandenongensis lineata* Womersley (2190) p. 306; Tasmania.

Paronellides dandenongensis maculata (Womersley) 1936

TYPE: Sth. Austr. Mus., Adelaide.
1936. *Pericrypta tasmaniae maculata* Womersley (2182) p. 482, fig. 5; Australia.
1939. *Paronellides dandenongensis maculata* Womersley (2190) p. 208; Australia.

Paronellides dandenongensis tasmaniae (Womersley) 1936

TYPE: Sth. Austr. Mus., Adelaide.
1936. *Pericrypta tasmaniae* Womersley (2182) p. 481, fig. 4, a-c, d-e; Australia.
1939. *Paronellides dandenongensis tasmaniae* Womersley (2190) p. 208; Australia.

Paronellides dandenongensis tristriata (Womersley) 1937

TYPE: Sth. Austr. Mus., Adelaide.
1937. *Pericrypta lineata tristriata* Womersley (2188) p. 157; Tasmania.
1939. *Paronellides dandenongenesis tristriata* Womersley (2190) p. 205; Australia.

Paronellides fasciata (Ritter) 1911

1911. *Pterikrypta fasciata* Ritter (1661) p. 386, figs. 26–28; Ceylon.

Paronellides mjobergi (Schött) 1917

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1917. *Pericrypta mjobergi* Schött (1774) p. 23, figs. 26–27; Queensland.
1934. *Pericrypta mjobergi* Womersley (2178) p. 125; Sth. Australia and Tasmania.
1939. *Pericrypta mjobergi* Womersley (2190) p. 206, fig 63 A-B; Australia.

Paronellides novae-zealandiae Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Paronellides novae-zealandiae* Salmon (1676) p. 398, Pl. 66, figs. 447–448; Pl. 67, fig. 449; New Zeland.

Paronellides novae-zealandiae purpurea Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Paronellides novae-zealandiae purpurea* Salmon (1676) p. 399; New Zealand.

Paronellides sulcata (Ritter) 1911

1911. *Pterikrypta sulcata* Ritter (1661) p. 386, figs. 22–25; Ceylon.

Genus: PSEUDOPARONELLIDES Salmon, 1941 (1676) p. 399.

Type species fixed: *P. badia*, by Salmon, 1941 (1676) p. 399.

Pseudoparonellides badius Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Pseudoparonellides badia* Salmon (1676) p. 399, Pl. 67, figs. 450–452; New Zealand.

Pseudoparonellides bulbosus Salmon, 1957

TYPE: Brit. Mus. Nat. Hist., London.
PARATYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1957. *Pseudoparonellides bulbosa* Salmon (1716) p. 335, Pl. XXXIII, figs. 74–77; India.

Pseudoparonellides cryptodontus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Pseudoparonellides cryptodonta* Salmon (1683) p. 168, Pl. 62, figs. 151–156; New Zealand.

* When Schött erected the genus *Paronellides* he expressly stated that it was to receive his Australian species *Pericrypta mjobergi*. I therefore now designate this species as the type species of the genus *Paronellides* Schött.

Genus: IDIOMERUS Imms, 1912 (1090) p. 113.
Type species now designated: *L. pallidus* Imms; by monotypy.

Idiomerus pallidus Imms, 1912

PARATYPE: Brit. Mus. Nat. Hist., London.
1912. *Idiomerus pallidus* Imms (1090) p. 114, Pl IX, fig. 61; Sth. India.

Genus: CAMPYLOTHORAX Schött, 1893 (1764) p. 18.
Type species fixed: *C. longicornis* Schött, by Börner, 1903 (239) p. 177.

Campylothorax camelina Womersley, 1930

TYPE: Brit. Mus. Nat. Hist., London.
1930. *Campylothorax camelina* Womersley (2166) p. 316, figs. 14, 18–20; Br. Guiana.

Campylothorax ceylonicus Ritter, 1911

1911. *Campylothorax ceylonicus* Ritter (1661) p. 388, figs. 29-31; Ceylon.

Campylothorax longicornis Schött, 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Campylothorax longicornis* Schött (1764) p. 20; Cameroons.
1926. *Campylothorax longicornis* Schött (1779) p. 31, Pl. III, figs. 6–18; Cameroons.
1934. *Campylothorax longicornis* Womersley (2177) p. 472; Azores; Africa.
1942. *Campylothorax longicornis* Absolon & Kseneman (27) p. 12, fig. 12.
1950. *Campylothorax longicornis* Delamare Deboutteville (570) p. 176, fig. 52; Ivory Coast.
1956. *Campylothorax longicornis* Paclt (1541) pp. 37, 66–, figs. 50, 94.

Campylothorax longicornis cincta Schött, 1926

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1926. *Campylothorax longicornis cincta* Schött (1779) p. 31; Cameroons.

Campylothorax schaefferi Börner, 1906

1906. *Campylothorax schäfferi* Börner (243) p. 179; Brazil.

Family: PODURIDAE Lubbock, 1873 (1318) pp. 26, 39, 177.

Genus: PODURA Linné, 1758 (1300) p. 608
= *Hypogastrura* Bourlet, 1839 (259) p. 404
= *Podurella* Motschulski, 1850 (1461) p. 681
= *Hydropodura* Börner, 1901 (230) p. 699
Type species fixed: *P. aquatica* Linné, 1758 (1300) p. 609, by *Int. Comm. Zool. Nom.* using its plenary powers, 1950 (1099) p. 506.
Podura Linnaeus, 1758 (1300) p. 608, placed on Official List of Generic Names, 1958. *Int. Comm. Zool. Nom.* 1958 (2377) p. 53.

Podura aquatica Linné, 1758

1740. *Podura aquatica nigra* De Geer (529) p. 57, Pl. III, Europe.
1740. *Podura aquatica nigra* De Geer (530) p. 297, Europe.
1746. *Podura aquatica nigra* Linné (1299) p. 343, Europe.
1758. *Podura aquatica* Linné (1300) p. 609, Europe.
1761. *Podura aquatica* Poda (1600) p. 120, Greece.
1762. *La podura noire aquatique* Geoffroy (837) p. 610, France.
1762. *Podura atra aquatica* Geoffroy (837) p. 610, France.
1767. *Podura aquatica* Linné (1302) p. 1814, Europe.
1770. *Podura aquatica* von Aphelen (60) p. 362, Europe.
1775. *Podura aquatica* Fabricius (745) p. 67, Europe.
1775. *Podura aquatica* Muller (1471) p. 1020, Europe.
1776. *Podura aquatica* Muller (1470) p. 183, Europe.
1776. *Podura aquatica* Sulzer (1938) p. 239, "a short history of the Insects".
1778. *Podura aquatica nigra* De Geer (532) p. 23, Pl. 2, figs. 14 and 15, Europe.
1780. *Podura aquatica* Fabricius (751) p. 211, Greenland.
1781. *Podura aquatica* Schrank (1784) p. 498, Austria.
1793. *Podura aquatica* Gmelin (910) p. 2909, Europe.
1801. *Podura aquatica* Lamarck (1236) p. 184, Europe.
1802. *Podura aquatica* Latreille (1241) p. 72, Holland.
1803. *Podura aquatica* Latreille (1242) p. 172, Europe.
1806. *Podura aquatica* Latreille (1244) p. 165, France.
1821. *Podura aquaticae* Wiedmann (2118) p. 721, Europe.
1823. *Podura aquaticae* Wiedmann (2118) p. 546, Europe.
1827. *Podura aquatica* Brébisson (272) p. 273, France.
1835. *Podura atra aquatica* Bois. & Lac. (196) p. 114, France.
1838. *Achorutes aquatica* Burmeister (339) p. 445, Europe.
1839. *Hypogastrura aquatica* Bourlet (259) p. 407, France.
1840. *Podura aquatica* Lucas (1326) p. 565, Europe.
1842. *Podura aquatica* Erichson (730) p. 312, Systematics.
1842. *Podura aquatica* Nicolet (1493) p. 55, Pl. 5, fig. 4, Switzerland.
1843. *Hypogastrura aquatica* Bourlet (261) p. 125, fig. 12, France.
1844. *Achorutes aquaticus* Gervais (841) p. 437, Pl. 50, fig. 4, Europe.
1844. *Achorutes aquaticus* Lucas (1327) p. 295, Reference List.
1845. *Hypogastrura aquatica* Bourlet (266) p. 67, Europe.
1847. *Hypogastrura aquatica* Bourlet (267) p. 221, Europe.
1847. *Podura aquatica* Nicolet (1496) p. 376, Pl. 6, fig. 10, Europe.
1860. *Podura aquatica* Rossmassler (1668) p. 541, Europe.
1868. *Podura aquatica* Lubbock (1316) p. 301, England.
1871. *Podura aquatica* Tullberg (2002) p. 153, Sweden.
1872. *Podura aquatica* Tullberg (2003) p. 50, Pl. X, figs. 1–6, Sweden.
1873. *Podura aquatica* Lubbock (1318) p. 185, Pl. XLII, Europe, Greenland.
1873. *Podura aquatica* McIntire (1353) p. 6, England.
1873. *Podura aquatica* Packard (1521) p. 35, Reference.
1875. *Podura aquatica* Lucas (1330) pp. LXI-LXII, Systematics.
1875. *Podura aquatica* Parona (1556) p. 299, Italy.
1878. *Podura aquatica* Parona (1557) p. 607, Italy.
1880. *Podura aquatica* Peters (1583) p. 55, habits—Germany.
1882. *Podura aquatica* Tomosvary (1983) p. 125, Europe.
1883. *Podura aquatica* Parona (1558) p. 463, Italy.
1884. *Achorutes aquaticus* Lucas (1327) p. 295, Reference List.
1884. *Achorutes aquaticus* Tomosvary (1985) p. 230, Systematics.
1887. *Achorutes aquaticus* Oudemans (1510) p. 98, Holland.
1888. *Podura aquatica* Dalla Torre (497) p. 158, Tyrol.
1891. Podura *aquatica* MacGillivray (1341) p. 275, Europe, Greenland.

1891. *Podura aquatica* Parfitt (1550) p. 348, England.
1891. *Podura aquatica* Uzel (2050) p. 73, Bohemia.
1893. *Podura granulata* MacGillivray (1342) p. 316, Nth. America.
1893. *Podura aquatica* Schött (1765) p. 76, Sweden.
1895. *Podura aquatica* Miall (1405) p. 365—Natural History.
1895. *Podura aquatica* Reuter (1643) p. 29, Finland, Europe, Nth. America.
1896. *Podura aquatica* Lie-Pettersen (1281) p. 19, Norway.
1896. *Podura aquatica* Meinert (1399) p. 173, Greenland.
1896. *Podura aquatica* Schaeffer (1735) p. 171, Pl. II, fig. 38, Germany.
1896. *Podura aquatica* Schött (1768) p. 121, Pl. III, figs. 16, 17—on snow.
1897. *Podura aquatica* Poppe & Schaeffer (1607) p. 266.
1898. *Podura aquatica* Scherbakow (1750) p. 58, Kiev—Russia.
1899. *Podura aquatica* Carl (351) p. 1, France.
1899. *Podura aquatica* Carl (352) p. 286, Switzerland.
1899. *Podura aquatica* Carp. & Evans (402) p. 253, Scotland.
1899. *Podura aquatica* Plateau (1597) p. 761, Systematics.
1899. *Podura aquatica* Wahlgren (2074) p. 850, Volga delta, South Russia.
1900. *Podura aquatica* Prowazek (1614) p. 359, Morphology.
1900. *Podura aquatica* Schaeffer (1738) p. 244, Europe, N.W. Siberia, Nth. America.
1900. *Podura aquatica* Schaeffer (1739) p. 254, Germany.
1900. *Podura aquatica* Skorikow (1833) p, 198, Spitzbergen.
1900. *Podura aquatica* Vellay (2056) p. 21, Hungary.
1900. *Podura aquatica* Willem (2123) p. 6, fig. 9, Pl. I, II, III, XIV.
1901. *Podura aquatica* Absolon (11) p. 38, Czechoslovakia.
1901. *Podura aquatica* Absolon (12) p. 104, Moravia, Systematics.
1901. *Podura aquatica* Absolon (15) p 585, Figs. 7, 8. Europe.
1901. *Hydropodura aquatica* Borner (229) p. 698.
1901. *Podura aquatica* Borner (234) p. 26, habitat—Bremen.
1901. *Podura aquatica* Boyd (268) p. 317, Scotland.
1901. *Podura aquatica* Carl (354) p. 249, Switzerland.
1901. *Podura aquatica* Krausbauer (1204) p. 84, Germany.
1901. *Podura aquatica* Krausbauer (1205) p. 56, Germany.
1902. *Podura aquatica* Becker (158) p. 25, Russia.
1902. *Podura aquatica* Becker (159) p. 7, Russia.
1902. *Hydropodura aquatica* Borner (235) p. 102, fig. 8.
1902. *Hydropodura aquatica* Lecaillon (1264) p. 133, Morphology.
1902. *Podura aquatica* Schött (1772) p. 5, Scandinavia.
1902. *Podura aquatica* Skorikow (1834) p. 156, Life History.
1902. *Podura aquatica* Skorikow (1835) p. 92, Spitzbergen.
1903. *Podura aquatica* Agren (55) p. 120, Sweden.
1903. *Podura aquatica* Guthrie (951) p. 93, Pl. XI, figs. 6–11. Minnesota.
1903. *Podura aquatica* Minchin (1434) p. 336, in Textbook.
1905. *Podura aquatica* Axelson (81) p. 24, Tvärminne, Finland.
1905. *Podura aquatica* Axelson (82) p. 5, Revals, Russia.
1905. *Podura aquatica* Philiptschenko (1586) p. 3, Russia.
1906. *Podura aquatica* Folsom & Welles (808) p. 101, Physiology.
1906. *Podura aquatica* Lindsay (1288) p. 274, Edinburgh.
1906. *Podura aquatica* Wahlgren (2080) p. 247, fig. 15, Sweden.
1907. *Podura aquatica* Axelson (83) p. 127, Finland.
1907. *Podura aquatica* von Olfers (1506) p. 25, Europe, Greenland.
1907. *Podura aquatica* Wahlgren (2082) p. 221, Lapland.
1908. *Podura aquatica* Foster (814) p. 23, England.
1908. *Podura aquatica* Schille (1755) p. 6, Poland.
1909. *Podura aquatica* Dow & Smith (692) p. 36, New Jersey.
1910. *Podura aquatica* Bagnall (102) p. 498, Britain.
1910. *Podura aquatica* Collinge (464) p. 5, England.
1910. *Podura aquatica* Collinge & Shoebotham (472) p. 98, England.
1912. *Podura aquatica* Axelson (1292) p. 10, Synonymy.
1912. *Podura aquatica* Schille (1756) p. 3, Poland.
1913. *Podura aquatica* de Winter (2141) p. 198, Genetics.
1916. *Podura aquatica* Bartholin (149) p. 179, Denmark.
1916. *Podura aquatica* Folsom (787) p. 514, Pl. 25, figs. 246–250. Nth. America.
1916. *Podura aquatica* Kinoshita (1172) p. 453, figs. a-h. Japan.
1918. *Podura aquatica* Brown (296) p. 185, England.
1918. *Podura aquatica* Henriksen & Lundbeck (1044) p. 740, Greenland.
1919. *Podura aquatica* Axelson (1293) p. 4, Arctic Urals.
1919. *Podura aquatica* Folsom (791) p. 3, Pl. I, figs. 1–3. Alaska.
1919. *Podura aquatica* Parkinson & Bell (1555) pp. V, 16, in sewers, England.
1919. *Podura aquatica* Wahlgren (2089) p. 744, Sweden.
1921. *Podura aquatica* Brown (300) p. 129—Swarming.
1921. *Podura aquatica* Denis (607) p. 123, France.
1922. *Podura aquatica* Denis (609) p. 110, Ile de Yeu, France.
1922. *Podura aquatica* Latzel (1250) p. 51, Austria.
1923. *Podura aquatica* Stach (1863) p. 8, Germany.
1923. *Podura aquatica* Womersley (2147) p. 30, S.W. England.
1924. *Podura aquatica* Denis (614) p. 289, France.
1925. *Podura aquatica* Denis (617) p. 209, Italy.
1925. *Podura aquatica* Handlirsch (975) p. 410, Taxonomy.
1925. *Podura aquatica* Handschin (981) p. 162, Switzerland.
1925. *Podura aquatica* Handschin (987) p. 162, Morocco.
1925. *Podura aquatica* Harnisch (1020), p. 69, Ecology.
1925. *Podura aquatica* Teodoro (1959) p. 125, Italy.
1925. *Podura aquatica* Willem (2137) p. 628, Biology.
1926. *Podura aquatica* Handschin (988) p. 24, fig. 16, Biology.
1926. *Podura aquatica* Szidat (1948) p. 14, Ecology.
1926. *Podura aquatica* Womersley (2152) p. lx, England.
1928. *Podura aquatica* Handschin (1005) p. 4, Algeria.
1928. *Podura aquatica* Int. Comm. Zool. Nom. (1098) p. 27. (Fixed as Type sp.)
1928. *Podura aquatica* Jackson (1121) p. 300, England.
1928. *Podura aquatica* Womersley (2154) p. 375, S.W. England.
1929. *Podura aquatica* Bonet (200) p. 792, Spain.
1929. *Podura aquatica* Brown (308) p. 111 (freshwater Collembola). Ecology.

1929. *Podura aquatica* Handschin (1008) p. 19, figs. 14, 15. Europe, N.W. Siberia, Nth. America.
1929. *Podura aquatica* Kel'schtein (1160) p. 247, Russia.
1930. *Podura aquatica* Buitendijk (334) p. 53, Holland.
1930. *Podura aquatica* Stach (1869) p. 279, Siberia, Nth. America, Nth. Africa, Hungary.
1930. *Podura aquatica* Womersley (2168) p. 163, Dublin.
1931. *Podura aquatica* Bonet (205) p. 373, in caves—Czechoslovakia.
1931. *Podura aquatica* Denis (639) p. 214, Germany.
1931. *Podura aquatica* Matsumura & Uchida (1386) p. 2 and figs. Japan.
1932. *Podura aquatica* Davies (520) p. 94, Habits.
1932. *Podura aquatica* Kinoshita (1178) p. 2115, Japan.
1932. *Podura aquatica* Kseneman (1211) p. 5, Europe.
1932. *Podura aquatica* Stammer (1897) p. 610, Ecology.
1933. *Podura aquatica* Folsom (802) p. 937, collembola in the stomach of a toad—U.S.A.
1933. *Podura aquatica* James (1124) p. 85, Canada.
1933. *Podura aquatica* Mills & Rolfs (1431) p. 77, Washington.
1933. *Podura aquatica* Schubert (1787) p. 220, Ecology.
1933. *Podura aquatica* Schubert (1789) p. 1, Germany.
1933. *Podura aquatica* Turk (2007) p. 92, Britain.
1934. *Podura aquatica* Durkop (707) p. 491, Finland, Germany.
1934. *Podura aquatica* Mills (1417) p. 8, Iowa.
1934. *Podura* (*Hydropodura*) *aquatica* Perrier (1576) p. 34, France.
1934. *Podura aquatica* Womersley (2177) p. 467, Europe, Algeria, Morocco.
1935. *Podura aquatica* Schubert (1791) pp. 111–376. Germany.
1935. *Podura aquatica* Volz (2070) p. 143, Microscope Techniques.
1938. *Podura aquatica* Szent-Ivany (1944) p. 90, Carpathians, Hungary.
1938. *Podura aquatica* Uchida (2015) p. 6, Japan.
1939. *Podura aquatica* Bueker (332) p. 10, figs. 1–2, St. Louis, U.S.A.
1941. *Podura aquatica* Agrell (46), p. 19, Swedish Lapland.
1941. *Podura aquatica* Buitendijk (336) p. 15, Netherlands, Europe, N.W. Siberia, Nth. America.
1942. *Podura aquatica* Essig (733) p. 82, Europe, Nth. America.
1942. *Podura aquatica nigra* Marlier (1375) p. 8. Belgium.
1943. *Podura aquatica* Agrell (47) p. 123, Sweden.
1943. *Podura aquatica* Del. Deb. (534) p. 149, France.
1943. *Podura aquatica* Gisin (853) p. 139, Switzerland.
1944. *Podura aquatica* Jeannel (1129) p. 140, Cave Collembola.
1947. *Podura aquatica* Hemming (1040) p. 584, Taxonomy.
1948. *Podura aquatica* Spencer (1851) p. 22, Canada.
1948. *Podura aquatica* Uchida (2022) p. 2, China.
1949. *Podura aquatica* Judd (1152) p. 1, Ontario.
1949. *Podura aquatica* Palmer (1548) p. 382, America.
1949. *Podura aquatica* Strenzke (1922) p. 205, Germany.
1950. *Podura aquatica* Hemming (1041) pp. 504, 506, Systematics.
1950. *Podura aquatica* L., Hemming (1041) pp. 505, 507. Retrodesignation of Type Species.
1950. *Podura aquatica* Kinoshita & Uchida (1179) p. 9, figs. 1-3. Japan.
1950. *Podura aquatica* Wray (2216) p. 60, Utah.
1951. *Podura aquatica* Del. Deb. & Cassagnau (593) p. 400, France.
1951. *Podura aquatica* Engelhardt (729) p. 86, Ecology.
1951. *Podura aquatica* Maynard (1393) p. 24, Pl. II, figs. 28–30, New York.
1951. *Podura aquatica* Paclt (1536) p. 163, Bohemia.
1951. *Podura aquatica* Praport (1610) p. 138, Poland.
1951. *Podura aquatica* Stach (1889) p. 95, figs. 18, 53. Europe, Siberia, America, Nth. Africa.
1951. *Podura aquatica* Wilkey (2120) p. 79, Colorado.
1952. *Podura aquatica* Uchida (2021) p. 2, Japan.
1953. *Podura aquatica* Cassagnau (415) p. 65, Pyrenees.
1953. *Podura aquatica* Hammer (972) pp. 11, 62. Nth. Canada, Alaska, Siberia, Lapland.
1955. *Podura aquatica* Chopard (434) p. 16, Pl. I, fig. 9.
1955. *Podura aquatica* Mills (1427) p. 70, Nomenclature.
1955. *Podura aquatica* Phillips (1584) p. 241, 5 figs England.
1955. *Podura aquatica* Stach (1893) p. 103, figs. 277–279, Holarctic.
1955. *Podura aquatica* Uchida (2036) p. 201, Japan.
1956. *Podura aquatica* Paclt (1540) p. 354, Europe.
1956. *Podura aquatica* Paclt (1541) pp. 13, 55, 114. Figs. 90, 95. Biology.
1957. *Podura aquatica* Haarlon (2281) p. 15, habitat—Denmark.
1957. *Podura aquatica* Mayer (1390) pp. 506, fig. 25, Biology.
1957. *Podura aquatica* Plavil'Shchikov (1599) p. 27, Moscow.
1957. *Podura aquatica* Ueno (2046) p. 286, Japan.
1958. *Podura aquatica* Grindbergs (2277) p. 189, Latvia.
1958. *Podura aquatica* Saure & Brummer-Korvenkontio (2393) p. 3, Cytology.
1958. *Podura aquaticus* Simon (2335) p. 76, Collembola as food.
1958. *Podura aquatica* von Torne (1993) p. 658, Austria.
1959. *Podura aquatica* Paclt (2317) p. 337, Europe.
1959. *Podura aquatica* Schille (2394) p. 126, Poland.
1959. *Podura aquatica* Stach (1896) p. 60, Europe.
1960. *Podura aquatica* Gisin (2271) p. 31, figs. 7, 67, 68. Europe, Russia, China, Nth. America.
1960. *Podura aquatica* Grindbergs (2373) p. 23, U.S.S.R.

Podura aquatica ferruginea Heymons, 1909

1909. *Podura aquatica ferruginea* Heymons (1057) pp. 1–16, Germany.
1951. *Podura aquatica ferruginea* Paclt (1536) p. 163, Czechoslovakia.
1956. *Podura aquatica ferruginea* Paclt (1541) p. 13, Czechoslovakia.

Podura aquatica granulata (MacGillivray), 1893

1893. *Podura granulata* MacGillivray (1342) p. 316, Nth. America.
1909. *Podura nigripes* Heymons (1057) p. 1-, Germany.
1951. *Podura aquatica granulata* Paclt (1536) p. 163, Czechoslovakia.
1956. *Podura aquatica granulata* Paclt (1541) p. 13, Biology.

Podura aquatica mimula Maynard, 1951

1951. *Podura aquatica mimula* Maynard (1393) p. 25, Pl. II, fig. 31, New York.
1956. *Podura aquatica mimula* Paclt (1541) p. 13, Biology.

Podura aquatica nigripes Börner (MS. name)*

1929. *Podura aquatica nigripes* Kel'Schtein (1160) p. 247, Russia.
1960. *Podura aquatica nigripes* Grindbergs (2373) p. 64, U.S.S.R.

Podura himalayana Baijal, 1955

1955. *Podura himalayana* Baijal (131) p. 175, figs. 1–4, Himalayas.
1955. *Podura himalayana* Mani, Singh, Gupta and Baijal (1369) p. 511, N.W. Himalayas.

Podura infernalis Motschulski, 1850

1850. *Podura infernalis* Motschulski (1461 p. 681, Adelsburg cave—Yugoslavia.

Species Indeterminatae in the Family PODURIDAE

Podura cristata Fabricius, 1798 (750) p. 199, figs. 16 and 17. Germany.
Podura monura Schrank, 1781 (1784) p. 497. Austria.
1835. *Podura monura* Boisduval and Lacordaire (196) p. 115, Europe.
1840. *Podura monura* Lucas (1326) p. 565.
1873. *Podura monura* Lubbock (1318) p. 9. *sp. dub.*

Family ACTALETIDAE Stach, 1955 (1893) p. 172

Genus: †MACKENZIELLA Hammer, 1953 (972) p. 60.

Type species fixed: *M. psocoides* by Hammer, 1953 (972) p. 60.

Mackenziella psocoides Hammer, 1953

TYPE: Auth. Colln., Roland, Friedensborg, Denmark.
1953. *Mackenziella psocoides* Hammer (972) p. 60, fig. 26; Nth. Canada.

Genus: ACTALETES Giard, 1889 (844) p. 123.

Type species fixed: *A. neptuni* by Giard, 1889 (844) p. 123; by monotypy.

Placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 93 as Proposed by Gisin, Opinion 291, 1954 (1100) p. 103.

Actaletes calcarius Bellinger, 1962

TYPE: Auth. Colln., San Fernando Vall. State Coll., Calif., U.S.A.
1962. *Actaletes calcarius* Bellinger (2440) p. 1, figs. 1–8; Jamaica.

Actaletes neptuni Giard, 1889

1889. *Actaletes neptuni* Giard (844) p. 123 and fig.; France.
1890. *Isotoma crassicauda* Moniez (1445) p. 321–; Boulogne.
1900. *Actaletes neptuni* Willem (2123) p. 50, Pl. X, figs. 4–9; Europe.
1901. *Actaletes neptuni* Börner (235) p. 105, pp. 114–116, figs. 14, 17, 18; France.
1901. *Actaletes neptuni* Willem (2126) p. 474; France.
1922. *Actaletes neptuni* Denis (609) p. 111; Ile de Yeu, France.
1924. *Actaletes neptuni* Denis (614) p. 292; France.
1925. *Actaletes neptuni* Handlirsch (975) p. 411, fig. 311; Taxonomy.
1925. *Actaletes neptuni* Handlirsch (976) p. 614; List.
1925. *Actaletes neptuni* Willem (2136) p. 281; France.
1929. *Actaletes neptuni* Handschin (1008) p. 104, Marine (Boulogne, Wimeroox).
1933. *Actaletes neptuni* Turk (2007) p. 94; Britain.
1934. *Actaletes neptuni* Durkop (707) p. 509; France.
1942. *Actaletes neptuni* Marlier (1375) p. 10; Belgium.
1943. *Actaletes neptuni* Delamare Deboutteville (534) p. 150; France.
1952. *Actaletes neptuni* Gisin (878) p. 56; Nomenclature.
1954. *Actaletes (Actaletes) neptuni* Int. Comm. (1100) p. 105; Proposed Official Specific Name.
1954. *Actaletes neptuni* Giard, Int. Comm. (1100) p. 103; Type Species.
1955. *Actaletes neptuni* Chopard (434) p. 21; France.
1955. *Actaletes neptuni* Stach (1893) p. 172, fig. 517; France.
1955. *Actaletes neptuni* Strenzke (1926) p. 47, fig. 19; France.
1958. *Actaletes neptuni* Giard, Int. Comm. (2377) p. 93; Type species.
1958. *Actaletes (Actaletes) neptuni* Int. Comm. (2378) p. 25; Listed Official Specific Name.
1960. *Actaletes neptuni* Gisin (2271) p. 158, fig. 30; France.

Family: NEELIDAE Folsom, 1896 (768) p. 391.

Genus: NEELIDES Caroli, 1912 (360) p. 1.

Type species fixed: *N. folsomi* Caroli, by Bonet, 1947 (221) p. 146.

Neelides folsomi Caroli, 1912

1912. *Neelides folsomi* Caroli (360) p. 2, with figs.; Italy.
1925. *Neelides folsomi* Denis (617) p. 212; Italy.
1944. *Neelus folsomi* Gisin (854) p. 105; Italy.
1947. *Neelides folsomi* Bonet (221) p. 150; Description.
1956. *Neelides folsomi* Paclt (1541) p. 118–.
1960. *Neelus folsomi* Gisin (2271) p. 264; Italy.

Neelides minutus (Folsom) 1901

COTYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1901. *Neelus minutus* Folsom (778) p. 221, Pl. 2, figs. 3–11; Massachusetts.
1905. *Neelus sp.* Becker (160) p. 94; Russia.
1906. *Neelus minutus* Börner (242) p. 3; Calabria, Sicily.
1907. *Neelus minutus* Axelson (83) p. 132; Finland.

* *Podura aquatica nigripes* Börner (Manuscript name). This subspecies is apparently an MS name only as no trace of its publication can be found in the literature. In the British Museum (Natural History) are two specimens in the Börner collection labelled " types ". These specimens are labelled " From a Lemne-covered ditch. N. Germany, Lilienthal, nr. Bremen, IX, 1900 ".

† This genus is placed here following my examination of the Type and Paratype specimens kindly lent to me by Dr Hammer. Only two specimens are known both mounted on a single slide, and it was not possible to study all morphological details, such as the orientation of the long axis of the head, as fully as I should have liked, but from the general facies and details of the antennal sense organs, the arrangement of Abds. IV and V and the foot structure I think this genus and its single species are best placed in the family Actaletidae. They certainly do not belong to the Poduridae. Abds. I, II and III are distinct, IV and V fused with VI distinct. In the original description Hammer regarded Abds II-V as fused.

1911. *Neelus minutus Shoebotham* (1819) p. 37; England.
1912. *Neelus minutus* Linnaniemi (1292) p. 243; Finland.
1924. *Neelus minutus* Houlbert (1078) p. 141; Europe.
1929. *Neelus minutus* Handschin (1008) p. 105; Germany; Russia; Finland; England; N. America.
1930. *Neelus minutus* Womersley (2168) p. 191; Ireland.
1932. *Neelus minutus* Legersdorf (1274) p. 63; Switzerland, caves.
1932. *Neelus minutus* Womersley (2172) p. 13; Australia.
1933. *Neelus minutus* Denis (645) p. 272; Costa Rica.
1933. *Neelus minutus* Griepenburg (940) p. 29; Germany.
1934. *Neelus minutus* Wolf (2146) p. 135.
1935. *Neelus minutus* Griepenburg (942) p. 42; Germany.
1937. *Neelus minutus* Kseneman (1217) p. 473; Carpathians.
1938. *Neelus minutus* Brimley (275) p. 16; N. Carolina.
1938. *Neelus minutus* Mills (1421) p. 16; N. Carolina.
1943. *Neelus minutus* Gisin (853) p. 177; Switzerland.
1944. *Neelus minutus* Agrell (49) p. 156; Sweden.
1944. *Neelus minutus* Gisin (854) p. 105, Nth. and Mid. Europe; Nth. and Central America.
1947. *Neelides minutus* Bonet (221) p. 146, Pl. XVI, fig. 2; Pl. XVII, figs. 4–16; Mexico; America; Europe.
1949. *Neelus minutus* Strenzke (1922) p. 208; Germany.
1950. *Neelus minutus* Wray (2216) p. 64; Utah.
1952. *Neelus minutus* MacFadyen (1337) p. 110; Ecology; England, fen.
1953. *Neelus minutus* MacFadyen (1338) p. 73; Ecology; Extraction techniques.
1956. *Neelus minutus* Bockemuhl (193) p. 147; Spitzbergen.
1956. *Neelides minutus* Paclt (1541) p. 119; Biology.
1958. *Neelus minutus* Grindbergs (2276) p. 77; Latvia.
1958. *Neelus minutus* Grindbergs (2277) p. 203; Latvia.
1958. *Neelus* (*Neelus*) *minutus* von Torne (1993) p. 672; Austria.
1959. *Neelus minutus* Loksa (2297) p. 70; Hungary.
1960. *Neelus minutus* Gisin (2271) p. 263; Europe; America.
1960. *Neelus* (*Neelus*) *minutus* Grindbergs (2373) p. 55; U.S.S.R.

Genus: NEELUS Folsom, 1896 (768) p. 391

Type species fixed: *N. murinus* Folsom, by Börner, 1947 (221) p. 153, by monotypy.

Placed on Official List of Generic Names, Int. Comm. Zool. Nomenclature, 1958 (2377) p. 93, as Proposed by Gisin, Opinion 291, 1954 (1100) p. 104.

Neelus murinus Folsom, 1896

TYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1896. *Neelus murinus* Folsom (768) p. 391, Pl. 8; Cambridge, Massachusetts.
1901. *Neelus murinus* Folsom (778) p. 221; N. America.
1902. *Neelus murinus* Willem (2133) p. 282; Belgian caves.
1903. *Neelus musinus* Börner (239) p. 160; Sicily.
1906. *Neelus murinus* Börner (242) p. 3; Sicily.
1909. *Neelus murinus* Collinge & Shotbotham (469) p. 48; England.
1910. *Neelus murinus* Collinge & Shoebotham (472) p. 120; England.
1924. *Neelus murinus* Denis (617) p. 212; Italy.
1924. *Neelus murinus* Womersley (2148) p. 170; England.
1928. *Neelus murinus* Womersley (2154) p. 378; England.
1930. *Neelus murinus* Womersley (2168) p. 191; Ireland.
1931. *Neelus murinus* Denis (638) p. 155; Costa Rica.
1931. *Neelus murinus* Bonet (205) p. 390; Belgium, in caves.
1932. *Neelus murinus* Denis (641) p. 379; France.
1932. *Neelus murinus* Womersley (2172) p. 13; Australia.
1933. *Neelus murinus* Griepenburg (940) p. 29; Germany.
1933. *Neelus murinus* Turk (2007) p. 95; Britain.
1934. *Neelus murinus* Wolf (2146) p. 135.
1935. *Neelus murinus* Griepenburg (942) p. 22; Germany.
1938. *Neelus murinus* Denis (665) p. 165; Italy.
1939. *Megalothorax minimus* Womersley (2190) p. 218 (error, *partim*) Australia.
1941. *Neelus murinus* Griepenburg (946) p. 76; Germany.
1942. *Neelus murinus* Marlier (1375) p. 10; Belgium.
1946. *Neelus* (*Neelus*) *murinus* Gisin (857) p. 222; Switzerland.
1947. *Neelus murinus* Bonet (221) p. 153, figs. 1, 17–28.
1950. *Neelus murinus* Delamare Deboutteville (569) p. 123; France.
1951. *Neelus murinus* Gisin (878) p. 57.
1951. *Neelus murinus* Gisin (881) p. 56; Moroccan caves.
1951. *Neelus murinus* Salmon (1694) p. 131; Singapore Island.
1954. *Neelus* (*Neelus*) *murinus* Int. Comm. (1100) p. 105; Proposed Official Specific Name.
1955. *Neelus murinus* Gisin (890) p. 146; Switzerland.
1955. *Neelus murinus* Stach (1893) p. 173, figs. 518–519; Poland.
1956. *Neelus murinus* Paclt (1541) p. 118–; Biology.
1957. *Neelus murinus* Delamare Deboutteville & Bassot (592) p. 77; Madeira.
1957. *Neelus murinus* Stach (1895) p. 8, Pl. I, figs. 1–3; Poland; Ukraine; Yugoslavia; Germany.
1958. *Neelus* (*Neelus*) *murinus* Int. Comm. (2378) p. 25; Listed Official Specific Name.
1958. *Neelus murinus* Kholova (1169) p. 235; Bohemia.
1958. *Neelus murinus* Nosek (1503) p. 357; Czechoslovakia.
1959. *Neelus murinus* Da Gama (494) p. 34; Madeira.
1959. *Neelus murinus* Da Gama (2266) p. 25; Portugal
1959. *Neelus murinus* Strebel (2344) p. 95; Germany.
1960. *Neelus murinus* Gisin (2271) p. 263, figs. 60, 477, 478; Europe; America.
1960. *Neelus* (*Neelus*) *murinus* Grindbergs (2373) p. 54; U.S.S.R.

Neelus murinus bolivari (Bonet) 1947

1944. *Megalothorax bolivari* Bonet (214) p. 23; Cuba.
1947. *Neelus murinus bolivari* Bonet (221) p. 157; Mexico.
1956. *Neelus murinus bolivari* Paclt (1541) p. 119; Biology.

Genus: MEGALOTHORAX Willem 1900, (2125) p. 7.
= *Amerus* Collinge & Shoebotham, 1909 (469) p. 45.

Type species fixed: *M. minimus* Willem, by Bonet, 1947 (221) p. 159.

Megalothorax albus Maynard, 1951

TYPE: U.S. Nat. Mus., Washington D.C., U.S.A.
1951. *Neelus* (*Megalothorax*) *albus* Maynard (1393) p. 201, Pl. XXV, figs. 438–440; New York.

Megalothorax aquaticus Stach, 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Megalothorax aquaticus* Stach (1889) p. 102, fig. 58; Poland.
1955. *Megalothorax aquaticus* Stach (1893) p. 174, fig. 523; Poland.
1956. *Megalothorax aquaticus* Paclt (1541) p. 118–.
1957. *Megalothorax aquaticus* Stach (1895) p. 21, Pl. I, figs. 5–9; Poland.
1959. *Megalothorax aquaticus* Stach (1896) p. 48; Poland.
1960. *Neelus aquaticus* Gisin (2271) p. 264, fig. 480; Poland.

Megalothorax boneti Stach, 1960

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1960. *Megalothorax boneti* Stach (2586) p. 548, Pl. LXIX, figs. 4–5; Afghanistan.

Megalothorax incertoides Mills, 1936

COTYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1936. *Megalothorax incertoides* Mills (1417) p. 85, figs. 12, 137, 138; Iowa.
1938. *Megalothorax incertoides* Brimley (275) p. 16; North Carolina.
1938. *Megalothorax incertoides* Mills (1421) p. 16; Nth. Carolina.
1959. *Megalothorax incertoides* Wilkey (2350) p. 224; California.

Megalothorax incertus Börner, 1903

TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Megalothorax incertus* Börner (239) p. 160; Sicily.
1906. *Megalothorax incertus* Börner (242) p. 4; Italy.
1924. *Megalothorax incertus* Denis (614) p. 285; France.
1925. *Megalothorax incertus* Denis (617) p. 212; Italy.
1930. *Megalothorax incertus* Stach (1869) p. 307; Sicily; Sth. France.
1931. *Megalothorax incertus* Bonet (205) p. 391; Hungary, in caves.
1932. *Neelus swani* Womersley (2172) p. 12 (*nov. syn.*); Australia.
1933. *Megalothorax remyi* Denis (644) p. 213 (*nov. syn.*); Yugoslavia.
1933. *Megalothorax incertus* Denis (644) p. 272; Europe.
1934. *Megalothorax incertoides* Mills (1417) p. 85 (*nov. syn.*); Iowa.
1934. *Megalothorax incertus* Wolf (2146) pp. 136, 777; Europe.
1934. *Megalothorax remyi* Wolf (2146) pp. 136, 777; Europe.
1936. *Megalothorax remyi* Denis (660) p. 274; Yugoslavia.
1936. *Megalothorax incertus* Denis (660) p. 276; Yugoslavia.
1936. *Neelus swani* Womersley (2183) p. 325; New Zealand.
1937. *Neelus swani* Womersley (2189) p. 116; Victoria.
1939. *Megalothorax swani* Womersley (2190) p. 219; Australia.
1939. *Megalothorax minimus* Womersley (2190) p. 218 (error); Australia.
1941. *Megalothorax swani* Salmon (1676) p. 408; New Zealand.
1942. *Megalothorax swani* Womersley (2193) p. 30; Australia.
1944. *Megalothorax swani* Salmon (1683) p. 172; New Zealand.
1944. *Neelus* (*Megalothorax*) *incertus* Gisin (854) p. 106; Sth. Europe.
1944. *Neelus* (*Megalothorax*) *remyi* Gisin (854) p. 106; Yugoslavia.
1944. *Neelus* (*Megalothorax*) *incertoides* Gisin (854) p. 106; Iowa.
1946. *Megalothorax swani* Salmon (1686) p. 28; New Zealand.
1947. *Megalothorax incertus* Bonet (221) p. 169, figs. 44–54; Revised description.
1956. *Megalothorax incertus* Paclt (1541) p. 118–.
1957. *Megalothorax incertus* Stach (1895) p. 15; Europe, America; Australia; New Zealand.
1960. *Neelus incertus* Gisin (2271) p. 264; Europe.

Megalothorax laevis Denis, 1948

1948. *Megalothorax laevis* Denis (676) p. 287, fig. 35; Indo-China.
1959. *Megalothorax laevis* Stach (1895) p. 15; Indo-China.

Megalothorax maculosus Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Neelus* (*Megalothorax*) *maculosus* Maynard (1393) p. 202, Pl. XXII, fig. 356: Pl. XXV, figs. 436, 437; New York.

Megalothorax minimus Willem, 1900

COTYPE: Sth. Austr. Mus., Adelaide.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1900. *Megalothorax minimus* Willem (2123) p. 65, Pl. XV; Systematics.
1900. *Megalothorax minimus* Willem (2125) p. 9, figs. 1–4; Europe.
1900. *Megalothorax minimus* Plateau (1597) p. 762; Systematics.
1900. *Megalothorax minimus* Willem (2123) p. 139, Pl. XV; Systematics.
1901. *Megalothorax minimus* Börner (229) p. 712; Nomenclature.
1901. *Megalothorax minimus* Börner (231) p. 343; Germany.
1901. *Megalothorax minimus* Börner (234) p. 82, figs. 34–36; Central Europe.
1901. *Neelus minimus* Folsom (778) p. 221; Taxonomy.
1901. *Megalothorax minimus* Krausbauer (1204) p. 65; Germany.
1902. *Megalothorax incertus* Börner (239) p. 160; Sicily.
1902. *Megalothorax minimus* Krausbauer (1205) p. 39; Germany.
1902. *Megalothorax minimus* Schött (1772) p. 35; Germany; Sweden.
1903. *Megalothorax minimus* Voigts (2068) p. 288; Germany.
1905. *Megalothorax minimus* Axelson (81) p. 40; Tvärminne, Finland.
1906. *Megalothorax minimus* Axelson (82) p. 20; Russia.
1906. *Megalothorax minimus* Börner (242) p. 4, figs. 1–5; Systematics.

1906. *Megalothorax minimus* Wahlgren (2080) p. 264, fig. 25; Sweden.
1907. *Megalothorax minimus* Axelson (83) p. 132; Finland.
1909. *Amerus normani* Collinge (462) p. 124; England.
1909. *Amerus normani* Collinge & Shoebotham (469) p. 47; Taxonomy.
1910. *Megalothorax minimus* Collinge & Shoebotham (472) p. 120; England.
1912. *Megalothorax minimus* Axelson (1292) p. 244; Finland.
1912. *Megalothorax minimus* Caroli (360) p. 3; Naples, Italy.
1914. *Megalothorax minimus* Shoebotham (1820) p. 64; Ireland.
1917. *Megalothorax minimus* Shoebotham (1823) p. 222; England.
1919. *Megalothorax minimus* Brown (297) p. 65, fig. 1; England.
1921. *Megalothorax minimus* Stach (1859) p. 196; Poland; Hungary.
1922. *Megalothorax minimus* Stach (1860) p. 53; Hungary.
1924. *Megalothorax minimus* Denis (617) p. 212; Italy.
1924. *Megalothorax minimus* Handschin (981) p. 148; Switzerland.
1924. *Megalothorax minimus* Houlbert (1078) p. 142, fig. 26; South Australia; Bionomics.
1924. *Megalothorax minimus* Womersley (2148) p. 170; S.W. England.
1925. *Megalothorax minimus* Denis (617) p. 212; Italy.
1925. *Megalothorax minimus* Handlirsch (975) p. 411, fig. 312; Taxonomy.
1925. *Megalothorax minimus* Handlirsch (976) p. 615; List.
1925. *Megalothorax minimus* Womersley (2148) p. 170; S.W. England.
1926. *Megalothorax minimus* Brown (307) p. 334; England.
1926. *Megalothorax minimus* Handschin (988) p. 18, fig. 11; Biology.
1926. *Megalothorax minimus* Womersley (2152) p. lxii; Somerset, S.W. England.
1926. *Megalothorax minimus* Womersley (2153) p. 220; S.W. England.
1928. *Megalothorax minimus* Jackson (1121) p. 303; Cambridgeshire, fens.
1929. *Megalothorax minimus* Handschin (1008) p. 105, fig. 192; Europe.
1930. *Megalothorax minimus* Stach (1869) p. 307; Europe.
1931. *Megalothorax minimus* Bonet (205) p. 391; Germany; Czechoslovakia, in caves.
1932. *Megalothorax minimus* Börner (255) p. 143; Germany.
1932. *Megalothorax minimus* Denis (641) p. 379; France.
1932. *Megalothorax minimus* Durkop (706) p. 236; Germany.
1932. *Neelus minimus* Womersley (2172) p. 12, fig. 1 a-e; W. Australia, greenhouses.
1933. *Megalothorax minimus* Denis (645) p. 272; Costa Rica.
1933. *Megalothorax minimus* Griepenburg (940) p. 29; Germany.
1933. *Megalothorax minimus* Turk (2007) p. 95; England.
1933. *Megalothorax normani* Turk (2007) p. 95; England.
1934. *Megalothorax minimus* Agrell (37) p. 233; Ecology; Sweden.
1934. *Neelus normani* Davies (522) p. 122; Wales.
1934. *Megalothorax minimus* Griepenburg (941) p. 37; Germany.
1934. *Megalothorax minimus* Kseneman (1212) p. 3; Central Europe.
1934. *Megalothorax minimus* Volz (2069) p. 170; Ecology.
1935. *Megalothorax minimus* Griepenburg (942) p. 22; Germany.
1935. *Megalothorax minimus* Kseneman (1213) p. 17; Czechoslovakia.
1935. *Megalothorax minimus* Volz (2070) p. 143; Microscope Techniques.
1936. *Megalothorax minimus* Brown (314) p. 615; Lapland.
1936. *Megalothorax minimus* Stammer (1900) p. 211; Schneeberghohle.
1937. *Megalothorax minimus* Frenzel (828) p. 310; Europe, Ecology.
1937. *Megalothorax minimus* Kseneman (1217) p. 473; Carpathians.
1938. *Megalothorax minimua* Kseneman (1219) p. 110; Spieglitzer snow mountains.
1938. *Megalothorax minimus* Kseneman (1220) p. 20; Europe.
1939. *Megalothorax minimus* Griepenburg (943) p. 21; Germany.
1939. *Megalothorax minimus* Griepenburg (944) p. 74; Germany, Cave Collembola.
1939. *Megalothorax minimus* Stach (1881) p. 398; Caves, in Glatzer Schneeberges.
1939. *Megalothorax minimus* Wolf (2146) pp. 137, 777.
1939. *Megalothorax minimus* Womersley (2190) p. 218, fig. 65 A-E; Australia.
1941. *Megalothorax minimus* Agrell (46) p. 20; Swedish Lapland.
1942. *Megalothorax minimus* Essig (733) p. 77, fig. 32.
1942. *Megalothorax minimus* Marlier (1375) p. 10; Belgium.
1942. *Megalothorax minimus* Muhlmann (1467) p. 193; Europe.
1943. *Megalothorax minimus* Agrell (47) p. 126; Sweden.
1943. *Neelus* (*Megalothorax*) *minimus* Gisin (853) p. 178; Switzerland.
1944. *Neelus* (*Megalothorax*) *minimus* Gisin (854) p. 106; Holarctic.
1944. *Megalothorax tristani* Bonet (214) p. 24.
1945. *Megalothorax minimus* Agrell (50) p. 10; Sweden, Talpa and Arvicola nests.
1945. *Megalothorax minimus* Agrell (50) p. 10; Sweden, mouse nests.
1947. *Megalothorax minimus* Bonet (221) p. 160, figs. 3, 29–37; Revised description.
1947. *Neelus* (*Megalothorax*) *minimus* Gisin (866) p. 80; Switzerland.
1948. *Neelus minimus* Gisin (867) p. 81; Switzerland.
1949. *Megalothorax minimus* Strenzke (1922) p. 208; Germany, Ecology.
1951. *Megalothorax minimus* Barlet (143) p. 142; Taxonomy.
1951. *Megalothorax minimus* Cassagnau and Delamare Deboutteville (593) p. 2; Mid. France.
1951. *Megalothorax minimus* Delamare Deboutteville (570) pp. 45–, 75–, fig. 20; France; Ivory Coast.
1951. *Megalothorax minimus* Delamare Deboutteville (577) p. 271; on epiphytes.
1951. *Megalothorax minimus* Praport (1610) p. 145; Poland.
1951. *Megalothorax minimus* Salmon (1694) p. 131; Singapore Island.

1951. *Megalothorax minimus* Schaller (1746) p. 463; Ecology.
1951. *Megalothorax minimus* Stach (1889) p. 102; Description.
1952. *Neelus minimus* MacFadyen (1337) p. 94; England; Ecology (fen).
1953. *Neelus* (*Megalothorax*) *minimus* Gisin (885) p. 234; Jan Mayen Island.
1953. *Megalothorax minimus* Hammer (972) p. 57; North Canada; Alaska.
1953. *Megalothorax minimus* Hammer (973) p. 9; Ellesmere Island (Canada).
1953. *Neelus minimus* Hazelton and Glennie (1037) p. 273; Britain.
1954. *Megalothorax minimus* Hammer (974) p. 15; North Greenland.
1954. *Megalothorax minimus* Yosii (2231) p. 816; Japan.
1955. *Megalothorax minimus* Chopard (434) p. 24, fig. 6; France.
1955. *Neelus* (*Megalothorax*) *minimus* Goto (918) p. 33; British Isles.
1955. *Neelus minimus* Goto (921) and 268; Britain.
1955. *Neelus* (*Megalothorax*) *minimus* Kuhnelt (1223) p. 12; Ecology.
1955. *Megalothorax minimus* Stach (1893) p. 173, figs. 520–522; Poland.
1955. *Megalothorax minimus* Uchida (2034) p. 200; Japan.
1956. *Neelus* (*Megalothorax*) *minimus* Bockemuhl (193) p. 148; Spitzbergen.
1956. *Neelus minimus* Gisin (895) p. 12; Geneva.
1956. *Neelus minimus* Gisin (896) p. 8; Geneva.
1956. *Neelus* (*Megalothorax*) *minimus* Goto (926) p. 9; Outer Hebrides.
1956. *Megalothorax minimus* Paclt (1541) pp. 38–, 118–, fig. 51.
1957. *Megalothorax minimus* Bodvarsson (2252) p. 36; Iceland.
1957. *Megalothorax minimus* Delamare Deboutteville and Bassot (592) p. 77; Madeira.
1957. *Neelus minimus* Gisin (898) p. 110–; Switzerland.
1957. *Neelus* (*Megalothorax*) *minimus* Gisin (901) p. 478; Madeira.
1957. *Megalothorax minimus* Haarlov (2281) p. 14; Denmark, habitat.
1957. *Megalothorax minimus* Stach (1895) p. 17, Pl. I, fig. 4; Poland.
1958. *Megalothorax minimus* Grindbergs (2276) p. 77; Latvia.
1958. *Megalothorax minimus* Grindbergs (2277) p. 203; Latvia.
1958. *Neelus minimus* Holler-Land (2283) p. 110; Ecology.
1958. *Megalothorax minimus* Kholova (1169) p. 235; Bohemia.
1958. *Megalothorax minimus* Uchida (2044) p. 33; Japan.
1958. *Neelus* (*Megalothorax*) *minimus* von Torne (1993) p. 672; Austria.
1959. *Megalothorax minimus* Da Gama (494) p. 34; Madeira.
1959. *Megalothorax minimus* Da Gama (2266) p. 26; Portugal.
1959. *Neelus minimus* Holler-Land (2284) p. 429; Germany, Ecology.
1959. *Megalothorax minimus* Müller (2309) p. 249; Ecology.
1959. *Megalothorax minimus* Paclt (2317) p. 342; Czechoslovakia.
1959. *Megalothorax minimus* Poole (1604) p. 75–; Food of Collembola.
1959. *Megalothorax minimus* Stach (1896) p. 47; Poland.
1960. *Neelus minimus* Gisin (2271) p. 264; Greenland; Lapland; Madeira; Hungary; North America.
1960. *Neelus* (*Megalothorax*) *minimus* Grindbergs (2373) p. 55; U.S.S.R.
1960. *Megalothorax minimus* Murphy (2385) p. 558; Gambia.

Megalothorax normani (Collinge and Shoebotham) 1909

1909. **Amerus normani* Collinge and Shoebotham (469) p. 47, Pl. 6, figs. 1–5; England.
1933. *Megalothorax normani* Turk (2007) p. 95; Britain.

Megalothorax novae-zealandiae Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Megalothorax novae-zealandiae* Salmon (1683) p. 172, Pl. 64, figs. 184–190; New Zealand.
1946. *Megalothorax novae-zealandiae* Salmon (1686) p. 28, figs. 1–3; Homer, New Zealand.
1947. *Megalothorax novae-zealandiae* Bonet (221) p. 174, figs. 55–64; Revised description.
1948. *Megalothorax novae-zealandiae* Salmon (1687) p. 291; Three Kings Is., New Zealand.
1949. *Megalothorax novae-zealandiae* Salmon (1689) p. 48; Auckland Islands.
1950. *Megalothorax novae-zealandiae* Delamare Deboutteville (570) p. 292; New Zealand.
1957. *Megalothorax novae-zealandiae* Stach (1895) p. 16; New Zealand.

†Megalothorax rapoporti *nom. nov.*

TYPE: Div. Ent., Mus. de la Plata, Argentina.
1962. *Megalothorax Boneti* Rapoport (2353) p. 13, figs. 86–101; Argentina.

Megalothorax remyi Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Megalothorax remyi* Denis (644) p. 213; Yugoslavia.
1935. *Megalothorax remyi* Denis (652) p. 331; Yugoslavia.
1936. *Megalothorax remyi* Denis (660) p. 274, figs. 18–23; Yugoslavia.

Megalothorax rubidus Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.
1946. *Megalothorax rubidus* Salmon (1686) p. 29, figs. 4–7; New Zealand.
1947. *Megalothorax rubidus* Bonet (221) p. 176, figs. 65–69; Revised description.
1950. *Megalothorax rubidus* Delamare Deboutteville (570) p. 292; New Zealand.
1956. *Megalothorax rubidus* Paclt (1541) p. 119.
1957. *Megalothorax rubidus* Stach (1895) p. 14; New Zealand.

Megalothorax subtristani Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Megalothorax subtristani* Delamare Deboutteville (570) p. 50–; Ivory Coast.

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* This species must be referred to *Megalothorax*. The head is quite distinct from the thorax and the antennal sense organs and furcal hairs described by Börner are both present.

† As Stach in 1960 used the specific name *boneti* for a new species of *Megalothorax* from Afghanistan, it becomes necessary to rename Rapoport's species.

Megalothorax swani (Womersley) 1932

PARATYPES: Sth. Austr. Mus., Adelaide.
1932. *Neelus swani* Womersley (2172) p. 12, fig. 1 F-J; Australia.
1936. *Neelus swani* Womersley (2183) p. 325; New Zealand.
1939. *Megalothorax swani* Womersley (2190) p. 219, Pl. II, 17, fig. 65 F-J; Australia.
1941. *Megalothorax swani* Salmon (1676) p. 408, figs. 480–483; **New Zealand.**
1942. *Megalothorax swani* Womersley (2193) p. 30; Australia.
1957. *Megalothorax swani* Bornemissza (227) p. 10; West Australia.

Megalothorax tristani Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Megalothorax tristani* Denis (645) p. 270, figs. 54–61; Costa Rica.
1944. *Megalothorax tristani* Bonet (214)p. 24; Cuba.
1947. *Megalothorax tristani* Bonet (221) p. 166, figs. 38–43; Description.
1950. *Megalothorax tristani* Wray (2216) p. 64; Utah.
1956. *Megalothorax tristani* Paclt (1541) p. 119.
1957. *Megalothorax tristani* Stach (1895) p. 15; U.S.A.; Mexico; Costa Rica.

Subfamily: SPINOTHECINAE Del. Deb., 1961 (2456) p. 101.

Genus: SPINOTHECA Delamare Deboutteville, 1961 (2456) p. 104.

Type species fixed: *S. magnasetacea* (Salmon) by Delamare Deboutteville, 1961 (2456) p. 104.

Spinotheca magnasetacea (Salmon) 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Sphyrotheca magnasetacea* Salmon (1676) p. 417, Pl. 72, figs. 524–526; New Zealand.
1946. *Sphyrotheca magnasetacea* Salmon (1686) p. 56, figs. 61–62; Add. descr.; Homer, New Zealand.
1957. *Sphyrotheca magnasetacea* Jeannenot (1135) p. 415.
1961. *Spinotheca magnasetacea* Delamare Deboutteville (2456) p. 104; Taxonomy.

Spinotheca patagonica Delamare Deboutteville, 1961

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1961. *Spinotheca patagonica* Delamare Deboutteville (2456) p. 107, figs. 3, 4; Argentina.

Subfamily: SMINTHURIDINAE Börner, 1906 (243) p. 163.

Genus: JEANNENOTIA Stach, 1956 (1894) p. 10.
= *Stenacidia* Börner, 1906 (243) p. 182 (in part).
= *Sminthurides* (*Stenacidia*) Jeannenot, 1955 (1132) p. 1.

Type species fixed: *J. stachi* (Jeannenot) by Stach, 1956 (1894) p. 10.

Jeannenotia stachi (Jeannenot) 1955

1955. *Sminthurides* (*Stenacidia*) *stachi* Jeannenot (1132) p. 1– and figs.; France.
1956. *Sminthurides* (*Stenacidia*) *stachi* Paclt (1540) p. 355, figs. 2, 3; Europe.
1956. *Jeannenotia stachi* Stach (1894) p. 10; Classification.
1959. *Sminthurides* (*Stenacidia*) *stachi* Paclt (2317) p. 343; Europe; America.
1960. *Sminthurides stachi* Gisin (2271) p. 265, figs. 481–482; France.

Genus: SPINOSELLA Palissa, 1961 (2526) p. 355.
Type species fixed: *S. dentospinalis* by Palissa, 1961 (2526) p. 355.

Spinosella dentospinalis Palissa, 1961

TYPE: Zool. Mus., Greifswald, Germany.
1961. *Sminthurides* (*Spinosella*) *dentospinalis* Palissa (2526) p. 354, figs. 1–5; Germany.

Genus: SMINTHURIDES Börner, 1900 (229) p. 616.
Type species fixed: *S. aquaticus* (Bourlet) by Börner, 1906 (243) p. 182; by selection.
Sminthurides C.B., 1900, Placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 94, as Proposed by Gisin, Opinion 291, 1954 (1100) p. 104.

Sminthurides afer Marlier, 1944

TYPE: Mus. Roy. Congo Belge, Tervuren.
1944. *Sminthurides afer* Marlier (1376) p. 5, fig. 1; Belgian Congo.

Sminthurides alpinus Cassagnau, 1960

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.
1960. *Sminthurides alpinus* Cassagnau (2414) p. 407, fig 2; Pyrenees.

Sminthurides annulicornis Axelson, 1905

TYPE: Univ. Mus., Div. Ent., Helsinki.
1905. *Sminthurides annulicornis* Axelson (80) p. 793; Finland.
1907. *Sminthurides annulicornis* Axelson (83) p. 133; Finland.
1912. *Sminthurides annulicornis* Axelson (1292) p. 261, Pl. XV, figs. 2–5; Finland.
1929. *Sminthurides annulicornis* Handschin (1008) p. 110; Finland.
1938. *Sminthurides annulicornis* Folsom and Mills (807) p. 258, Pl. VIII, figs. 66–70; Finland; Ontario.
1956. *Sminthurides annulicornis* Stach (1894) p. 17; Finland; Canada.
1960. *Sminthurides annulicornis* Gisin (2271) p. 268: Finland.

Sminthurides appendiculatus Imms, 1912

TYPE: Indian Mus., Calcutta.
PARATYPE: Brit. Mus. Nat. Hist., London.
1912. *Sminthurides appendiculatus* Imms (1090) p. 117, figs. 83–86; Calcutta.
1938. *Sminthurides appendiculatus* Folsom and Mills (807) p. 249, Pl. V, fig. 40; India.
1956. *Sminthurides appendiculatus* Stach (1894) p. 13. Added description.
1960. *Sminthurides appendiculatus* Murphy (2385) p. 592; Taxonomy.

Sminthurides aquaticus (Bourlet) 1841

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1841. *Smynthurus aquaticus* Bourlet (261) p. 146; France.
1842. *Smynthurus aquaticus* Bourlet (265) p. 53; France.
1844. *Smynthurus aquaticus* Gervais (841) p. 404; France.
1844. *Sminthurus aquaticus* Lucas (1327) p. 297; Reference.
1847. *Smynthurus aquaticus* Nicolet (1496) p. 359; France.
1873. *Sminthurus aquaticus* Lubbock (1318) p. 107; England.
1883. *Sminthurus apicalis* Reuter (1635) p. 20; Europe.
1887. *Sminthurus aquaticus* Oudemans (1510) p. 97; Holland.
1887. *Sminthurus aquaticus* Oudemans (1511) p. 218; Biology.
1889. *Smynthurus aquaticus* Moniez (1440) p. 260; France, wells, marshes, etc.

1890. *Smynthurus aquaticus* Browne (322) p. 62.
1890. *Sminthurus aquaticus* Uzel (2050) p. 35; Bohemia.
1890. *Sminthurus apicalis* Uzel (2050) p. 37; Czechoslovakia.
1893. *Sminthurus aquaticus* Schött (1765) p. 36, Pl. II, figs. 22–25; Sweden.
1894. *Sminthurus apicalis* Levander (1279) p. 1–.
1895. *Sminthurus aquaticus* Reuter (1643) p. 13; Finland; Sweden; England; Bohemia; France; Germany.
1896. *Sminthurus amicus* Folsom (772) p. 447, figs. 6–8; Nth. America.
1896. *Sminthurus aquaticus* Lie-Pettersen (1281) p. 10; Norway.
1896. *Sminthurus aquaticus* Schaffer (1735) p. 211; Germany.
1897. *Sminthurus aquaticus* Poppe & Schaffer (1607) p. 265; Germany.
1898. *Sminthurus aquaticus* Lie-Pettersen (1282) p. 8; Norway.
1898. *Sminthurides aquaticus* Scherbakow (1750) p. 60; Kiev.
1899. *Sminthurus aquaticus* Carl (352) p. 353; Switzerland.
1899. *Sminthurus aquaticus* Carpenter & Evans (402) p. 232; Scotland.
1899. *Sminthurus aquaticus* Lie-Pettersen (1283) p. 4; Norway.
1900. *Sminthurides aquaticus* Börner (228) p. 616; Germany.
1900. *Sminthurus* (*Sminthurides*) *aquaticus* Börner (228) p. 616; Germany.
1900. *Prosminthurus aquaticus* Willem (2123) p. 55; Europe.
1900. *Sminthurus aquaticus* Willem (2123) p. 55, Pl. XI, figs. 1–3; Belgium.
1901. *Sminthurides aquaticus* Börner (234) p. 96, figs. 42, 43; Central Europe.
1901. *Sminthurus aquaticus* Boyd (268) p. 317; Scotland.
1901. *Sminthurus aquaticus* Evans (740) p. 152; Scotland.
1901. *Sminthurus aquaticus* Krausbauer (1204) p. 50, figs. 30–33; Germany.
1902. *Sminthurus aquaticus* Becker (158) p. 21; Russia.
1903. *Sminthurides aquaticus* Ågren (55) p. 162; Sweden.
1904. *Sminthurides aquaticus* Axelson (79) p. 78; Norway.
1905. *Sminthurides aquaticus* Axelson (81) p. 41; Finland.
1906. *Sminthurides aquaticus* Lie-Pettersen (1284) p. 72; Norway.
1906. *Sminthurides aquaticus* Wahlgren (2080) p. 266, figs. 27, 28; Sweden.
1906. *Sminthurides aquaticus* Borner (243) p. 181; Systematics.
1907. *Sminthurides aquaticus* Wahlgren (2082) p. 227; Torne Lappmark.
1907. *Sminthurides aquaticus* Axelson (83) p. 133; Finland.
1908. *Sminthurus aquaticus* Evans (741) p. 196; Scotland.
1909. *Sminthurides aquaticus* Axelson (84) p. 6; Nth. Finland
1909. *Sminthurus aquaticus* Shoebotham (1818) p. 58; Gen. Economics.
1910. *Sminthurides aquaticus* Collinge (464) p. 12; England.
1910. *Sminthurides aquaticus* Collinge & Shoebotham (472) p. 120; England.
1912. *Sminthurides aquaticus* Axelson (1292) p. 259, Pl. XV, fig. 6; Finland.
1913. *Sminthurides aquaticus* Carpenter (388) p. 9; Clare Is., Ireland.
1916. *Sminthurides aquaticus* Ionesco (1106) p. 495; Roumania.
1918. *Sminthurides aquaticus* Brown (296) p. 186; England.
1919. *Sminthurides aquaticus* Axelson (1293) p. 12; Arctic Ural.
1919. *Sminthurides aquaticus* Folsom (791) p. 15; Arctic.
1919. *Sminthurides aquaticus* Wahlgren (2089) p. 748; Sweden.
1921. *Sminthurides aquaticus* Denis (607) p. 132; France.
1922. *Sminthurides aquaticus* Bristowe (278) p. 42; Jan Mayen Is.
1922. *Sminthurides aquaticus* Latzel (1250) p. 74; Austria.
1924. *Sminthurides aquaticus* Denis (614) p. 294; France.
1924. *Sminthurides aquaticus* Handschin (981) p. 149; Switzerland.
1926. *Sminthurides aquaticus* Handschin (988) p. 10, figs. 3, 6, 7, 21, 25, 31; Biology.
1926. *Sminthurinus aquaticus* Handschin (988) p. 8, fig. 1; *lapsus calami.*
1926. *Sminthurides aquaticus* Stirnimann (1907) p. 252; Ecology.
1926. *Sminthurides aquaticus* Szidat (1948) p. 14–; Ecology.
1927. *Sminthurides aquaticus* Strebel (1911) p. 256–; Physiology.
1928. *Sminthurides aquaticus* Handschin (1005) p. 8; Algeria.
1928. *Sminthurides aquaticus* Jackson (1121) p. 303; Britain.
1929. *Sminthurides aquaticus* Brown (308) p. 111; Ecology, freshwater Collembola.
1929. *Sminthurides aquaticus* Handschin (1008) p. 108, figs. 198, 199; Europe; North America.
1929. *Sminthurus aquaticus* Kel'schtein (1160) p. 247; Russia.
1930. *Sminthurides aquaticus* Buitendijk (334) p. 72; Holland.
1930. *Sminthurides aquaticus* Stach (1869) p. 307; Europe; Nth. America.
1930. *Sminthurides aquaticus* Womersley (2168) p. 193; Ireland.
1932. *Sminthurides aquaticus* Stammer (1897) p. 610; Ecology.
1933. *Sminthurides aquaticus* Buitendijk (335) p. 65; Holland.
1933. *Sminthurides aquaticus* Folsom (802) p. 937; U.S.A.
1933. *Sminthurides aquaticus* Mills & Rolfs (1431) p. 82; Washington.
1933. *Sminthurides aquaticus* Schubert (1787) p. 210; Ecology.
1933. *Sminthurides aquaticus* Turk (2007) p. 95; Britain.
1934. *Sminthurides aquaticus* Durkop (707) p. 509; Europe; Nth. America.
1934. *Sminthurides aquaticus* Mills (1417) p. 89; Iowa.
1934. *Sminthurus aquaticus* Perrier (1576) p. 40; France.
1935. *Sminthurides aquaticus* Volz (2070) p. 143; Microscope Techniques.

1935. *Sminthurides aquaticus* Womersley (2181) p. 217; Australia.
1936. *Sminthurides aquaticus* Denis (661) p. 275, figs. 38–41; Nth. India.
1937. *Sminthurus aquaticus* Edinger (712) p. 5; California.
1937. *Sminthurides aquaticus* Henriksen (1043) p. 6; Faroes.
1937. *Sminthurides aquaticus* Schubert (1792) p. 129; Palearctic, Nearctic.
1937. *Sminthurides aquaticus* Uchida (2014) p. 286; Japan.
1937. *Sminthurus aquaticus* Weidner (2107) p. 19; Central Europe.
1938. *Sminthurides aquaticus* Brimley (275) p. 16; North Carolina.
1938. *Sminthurides aquaticus* Folsom and Mills (807) p. 241, Pl. I, figs. 9–13, Pl. II, figs. 14–19; Systematics.
1938. *Sminthurides aquaticus* Mills (1421) p. 16; Nth. Carolina.
1938. *Sminthurides aquaticus* Uchida (2015) p. 9; Japan.
1939. *Sminthurides aquaticus* Mills (1422) p. 161; Nth. America.
1939. *Sminthurides* (*Sminthurides*) *aquaticus* Womersley (2190) p. 222, fig. 66 M-P; South Australia.
1941. *Sminthurides aquaticus* Agrell (46) p. 20; Swedish Lapland.
1941. *Sminthurides aquaticus* Buitendijk (336) p. 79, fig. 2; Netherlands; Europe; North America.
1942. *Sminthurides aquaticus* Marlier (1375) p. 10; Belgium.
1943. *Sminthurides aquaticus* Agrell (47) p. 126; Sweden.
1944. *Sminthurides aquaticus* Tuxen (2010) p. 202; Iceland.
1949. *Sminthurides aquaticus* Caspers (409) p. 43; Ecology.
1949. *Sminthurides aquaticus* Strenzke (1922) p. 208; Germany, Ecology.
1950. *Sminthurides aquaticus* Kinoshita and Uchida (1179) p. 19 and fig.; Japan.
1951. *Sminthurus aquaticus* Gisin (878) p. 57; Nomenclature.
1951. *Sminthurides aquaticus* Maynard (1393) p. 211, Pl. XXIV, 428, 429, XXV, 456, 457.
1951. *Sminthurides aquaticus* Stach (1889) p. 106, figs. 12-C, 19, 22-C, 62; Europe; America; Algeria.
1952. *Sminthurides aquaticus* Schaller (1749) p. 274–; Reproduction.
1953. *Smithurus aquaticus* Lawrence (1251) p. 227–, fig. 96; Biology.
1953. *Sminthurus aquaticus* Ruppel (1670) p. 435; Physiology.
1954. *Sminthurus* (*Sminthurides*) *aquaticus* Int. Comm. (1100) p. 105; Proposed Specific Name.
1954. *Sminthurides aquaticus* Yosii (2231) p. 816; Japan.
1955. *Sminthurides aquaticus* Chopard (434) p. 25; France.
1955. *Sminthurides aquaticus* Goto (921) p. 268; Britain.
1955. *Sminthurides aquaticus* Baijal (1369) p. 512; N.W. Himalayas.
1955. *Sminthurides aquaticus* Stach (1893) p. 179, figs. 531–534; Europe; America; Africa.
1955. *Sminthurides aquaticus* Strenzke (1926) p. 49; Europe.
1955. *Sminthurides aquaticus* Uchida (2034) p. 200; Japan.
1956. *Sminthurides aquaticus* Grindbergs (2275) p. 12; Latvia.
1956. *Sminthurides aquaticus* Paclt (1541) pp. 25–, 93, 125, figs. 29, 113; Biology.
1956. *Sminthurides aquaticus* Stach (1894) p. 22, Pl. I, figs. 1–5, Pl. II, fig. 1; Cosmopolite, Poland.
1957. *Sminthurides aquaticus* Bodvarsson (2252) p. 36; Iceland.
1957. *Sminthurides aquaticus* Mayer (1390) p. 503–, figs. 6, 7, 8; Biology.
1957. *Sminthurides aquaticus* Ueno (2046) p. 286; Japan.
1958. *Sminthurides aquaticus* Saure and Brummer-Korvenkontio (2393) p. 4; Genetics.
1958. *Sminthurides aquaticus* Schaller (2330) p. 202; Physiology.
1958. *Sminthurides aquaticus* Simon (2335); Collembola as Food.
1958. *Sminthurides aquaticus* Uchida (2044) p. 33; Japan.
1958. *Sminthurides* (*Sminthurides*) *aquaticus* von Torne (1993) p. 673; Austria.
1958. *Sminthurus* (*Sminthurides*) *aquaticus* Int. Comm. (2378) p. 25; Official List of Specific Names.
1959. *Sminthurides aquaticus* Da Gama (2266) p. 26; Portugal.
1959. *Sminthurides aquaticus* Paclt (2317) p. 343; Cosmopolitan.
1959. *Sminthurus* (*Sminthurides*) *aquaticus* Poole (1604) p. 72–; Food of Collembola.
1959. *Sminthurides aquaticus* Stach (1896) p. 48; Poland.
1960. *Sminthurides aquaticus* Bodvarsson (2412) p. 174; Faroes.
1960. *Sminthurides aquaticus* Gisin (2271) p. 267, fig. 486; Lapland; Algeria; Japan; U.S.A.
1960. *Sminthurides aquaticus* Grindbergs (2373) p. 55; U.S.S.R.
1960. *Sminthurides aquaticus* Paclt (2391) p. 157; Hungary.

Sminthurides aquaticus levanderi (Reuter) 1890, *in litt.*

1890. *Sminthurus apicalis levanderi* Reuter (1638); *in litt.*
1891. *Sminthurus apicalis levanderi* Reuter (1639) p. 232; Finland.
1893. *Sminthurus aquaticus levanderi* Schött (1765) p. 37; Sweden; Finland.
1893. *Sminthurides aquaticus levanderi* Schött (1765) p. 37; North Europe.
1895. *Sminthurus aquaticus levanderi* Reuter (1643) p. 13; Finland; Sweden.
1900. *Sminthurides aquaticus levanderi* Börner (228) p. 616.
1901. *Sminthurides aquaticus levanderi* Börner (234) p. 98; Germany.
1901. *Sminthurus aquaticus levanride* Krausbauer (1204) p. 52; Germany.
1902. *Sminthurus aquaticus levanderi* Krausbauer (1204) p. 52; Germany.
1904. *Sminthurides aquaticus levanderi* Axelson (79) p. 78; Norway.
1905. *Sminthurides aquaticus levanderi* Axelson (81) p. 41; Finland.
1906. *Sminthurides aquaticus levanderi* Wahlgren (2080) p. 266; Sweden.
1907. *Sminthurides aquaticus levanderi* Axelson (83) p. 133; Finland.
1909. *Sminthurides aquaticus levanderi* Axelson (84) p. 6; Kanin Peninsula.
1911. *Sminthurides aquaticus levanderi* Axelson (1291) p. 25; Norway.

1912. *Sminthurides aquaticus levanderi* Axelson (1292) pp. 259, 260; Finland.
1919. *Sminthurides aquaticus levanderi* Axelson (1293) p. 12; Arctic Ural.
1919. *Sminthurides aquaticus levanderi* Folsom (791) p. 16; Arctic.
1919. *Sminthurides aquaticus levanderi* Wahlgren (2089) p. 748; Sweden.
1929. *Sminthurus aquaticus levanderi* Kel'schtein (1160) p. 247; Russia.
1930. *Sminthurides aquaticus levanderi* Stach (1869) p. 307; Europe; North America.
1932. *Sminthurides aquaticus levanderi* Brown (312) p. 339; Distribution.
1932. *Sminthurides aquaticus levanderi* Kseneman (1211) p. 22; Czechoslovakia.
1932. *Sminthurides aquaticus levanderi* Womersley (2172) p. 17, fig. 4 a-d; West Australia.
1934. *Sminthurides aquaticus levanderi* Durkop (707) p. 509; Finland.
1935. *Sminthurides aquaticus levanderi* Schubert (1790) p. 97; Europe.
1936. *Sminthurides aquaticus levanderi* Brown (314) p. 615; Lapland.
1936. *Sminthurides aquaticus levanderi* Davies (525) p. 89; Iceland.
1937. *Sminthurides aquaticus levanderi* Frenzel (828) p. 305; Ecology.
1938. *Sminthurides aquaticus levanderi* Folsom and Mills (807) p. 242, Pl. II, figs. 13–19; U.S.A.
1939. *Sminthurides aquaticus levanderi* Womersley (2190) p. 222; West Australia.
1951. *Sminthurides aquaticus levanderi* Maynard (1393) p. 212, Pl. XXII, figs. 368–369; New York.
1955. *Sminthurides aquaticus levanderi* Stach (1893) p. 179; Classification.
1955. *Sminthurides aquaticus levanderi* Strenzke (1926) p. 49; Europe.
1956. *Sminthurides aquaticus levanderi* Wray and Knowlton (2214) p. 5; Idaho.
1957. *Sminthurides aquaticus levanderi* Bodvarsson (2252) p. 36; Iceland.
1958. *Sminthurides aquaticus levanderi* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurides aquaticus levanderi* Grindbergs (2277) p. 203; Latvia.
1960. *Sminthurides aquaticus levanderi* Grindbergs (2373) p. 56; U.S.S.R.

Sminthurides aquaticus viridulus (Reuter) 1891

1891. *Sminthurus apicalis viridulus* Reuter (1639) p. 231; Finland.
1893. *Sminthurus aquaticus viridulus* Schött (1765) p. 37; Scandinavia.
1895. *Sminthurus aquaticus viridulus* Reuter (1643) p. 13; Finland; Sweden.
1900. *Sminthurides aquaticus viridula* Börner (228) p. 616; Germany.
1901. *Sminthurides aquaticus rividula* Börner (234) p. 98; Germany.
1901. *Sminthurus aquaticus viridula* Krausbauer (1204) p. 51; Germany.
1902. *Sminthurus aquaticus viridulus* Becker (158) p. 21; Russia.
1905. *Sminthurides aquaticus viridula* Axelson (81) p. 41; Finland.
1907. *Sminthurides aquaticus viridula* Axelson (83) p. 133; Finland.
1912. *Sminthurides aquaticus viridula* Axelson (1292) p. 259; Finland.
1916. *Sminthurides aquaticus viridulus* Ionesco (1106) p. 496; Roumania.
1919. *Sminthurides aquaticus viridula* Wahlgren (2089) p. 748; Sweden.
1938. *Sminthurides aquaticus viridulus* Folsom and Mills (807) p. 242; Europe.
1955. *Sminthurides aquaticus viridula* Stach (1893) p. 179; Classification.
1958. *Sminthurides aquaticus viridula* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurides aquaticus viridula* Grindbergs (2277) p. 203; Latvia.
1960. *Sminthurides aquaticus viridula* Grindbergs (2373) p. 55; U.S.S.R.

Sminthurides assimilis (Krausbauer) 1898

1898. *Sminthurus assimilis* Krausbauer (1203) p. 497; Germany.
1900. *Sminthurides assimilis* Börner (228) p. 617; Germany.
1901. *Sminthurides assimilis* Börner (234) p. 138; Central Europe.
1901. *Sminthurus assimilis* Krausbauer (1204) p. 54, Pl. I, figs. 43–46; Germany.
1905. *Sminthurides* (*Sminthurides*) *assimilis* Becker (160) p. 93; Russia.
1907. *Sminthurides assimilis* Axelson (83) p. 133; Finland.
1912. *Sminthurides assimilis* Axelson (1292) p. 265, Pl. XV, figs. 20–22; Finland.
1929. *Sminthurides assimilis* Handschin (1008) p. 110, fig. 2; Finland; Russia.
1938. *Sminthurides assimilis* Folsom and Mills (807) p. 255, Pl. VI, figs. 55–61; U.S.A.; Germany; Finland; Russia.
1949. *Sminthurides assimilis* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Sminthurides* (*Sminthurides*) *assimilis* Maynard (1393) p. 216, Pl. XXII, 364–365, Pl. XXV, 464–466; New York.
1951. *Sminthurides assimilis* Stach (1889) p. 111, fig. 65; Europe; America.
1955. *Sminthurides assimilis* Stach (1893) p. 181, figs. 544–545; Poland; America.
1956. *Sminthurides assimilis* Stach (1894) p. 17; Germany.
1958. *Sminthurides assimilis* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurides assimilis* Grindbergs (2277) p. 203; Latvia.
1960. *Sminthurides assimilis* Gisin (2271) p. 269, figs. 61, 490, 491; Germany; Switzerland.
1960. *Sminthurides assimilis* Grindbergs (2373) p. 56; U.S.S.R.

Sminthurides aureolus Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C., U.S.A.
1951. *Sminthurides* (*Sminthurides*) *aureolus* Maynard (1393) p. 213, Pl. XXII, figs. 370–371, Pl. XXV, figs. 467–471; New York.
1956. *Sminthurides aureolus* Stach (1894) p. 17; U.S.A.

Sminthurides avicenniae Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Sminthurides avicenniae* Murphy (2385) p. 562, figs. 9–17, 118; Gambia.

Sminthurides bifidus (Mills) 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Sminthurides penicillifer bidifus* Mills (1417) p. 90, figs. 143–145; Iowa.
1938. *Sminthurides bidifus* Folsom and Mills (807) p. 250, Pl. V, figs. 42–48; U.S.A.
1951. *Sminthurides* (*Sminthurides*) *bidifus* Maynard (1393) p. 208, Pl. XXII, figs. 366, 367, Pl. XXIV; New York.

1956. *Sminthurides bidifus* Stach (1894) p. 14; U.S.A.
1959. *Sminthurides bidifus* Wilkey (2350) p. 224; California.

Sminthurides cruciatus Axelson, 1905

TYPE: Univ. Mus., Div. Ent., Helsinki.
1905. *Sminthurides cruciatus* Axelson (80) p. 792; Finland.
1907. *Sminthurides cruciatus* Axelson (83) p. 133; Finland.
1912. *Sminthurides cruciatus* Axelson (1292) p. 257, Pl. XIV, figs. 24–29, Pl. I, fig. 1; Diagnosis, Finland.
1916. *Sminthurides cruciatus* Ionesco (1106) p. 495; Roumania.
1928. *Sminthurides cruciatus* Jackson (1121) p. 303; Britain.
1929. *Sminthurides cruciatus* Handschin (1008) p. 108; Sweden; Finland.
1938. *Sminthurides cruciatus* Folsom and Mills (807) p. 238, Pl. I, fig. 1; Sweden; Finland.
1938. *Sminthurides cruciatus* Kseneman (1220) p. 21; Europe.
1951. *Sminthurides cruciatus* Stach (1889) p. 105, figs. 8, 61; Poland; Finland; Sweden; Roumania.
1955. *Sminthurides cruciatus* Stach (1893) p. 177, figs. 529–530; Poland.
1956. *Sminthurides cruciatus* Paclt (1540) p. 355; Europe.
1956. *Sminthurides cruciatus* Paclt (1541) p. 20, fig. 22.
1956. *Sminthurides cruciatus* Stach (1894) pp. 14, 33, Pl. III, figs. 1–6; North and East Europe.
1959. *Sminthurides cruciatus* Paclt (2317) p. 343; Czechoslovakia.
1960. *Sminthurides cruciatus* Gisin (2271) p. 267, fig. 485; Europe.
1960. *Sminthurides cruciatus* Grindbergs (2373) p. 55; U.S.S.R.

Sminthurides gambiae Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Sminthurides gambiae* Murphy (2385) p. 559, figs. 1–8, 18, 117; Gambia.

Sminthurides globocerus Folsom and Mills, 1938

TYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1938. *Sminthurides globocerus* Folsom and Mills (807) p. 240, Pl. I, figs. 5–7; North Carolina.
1942. *Sminthurides globocerus* Brimley (276) p. 4; Nth. Carolina.
1956. *Sminthurides globocerus* Stach (1894) p. 15; Nth. Carolina.

Sminthurides globosus Axelson, 1902

TYPE: Univ. Mus., Div. Ent., Helsinki.
1902. *Sminthurides globosus* Axelson (76) p. 109; N.W. Russia.
1904. *Sminthurides globosus* Axelson (79) p. 79; Norway.
1942. *Sminthurides globosus* Mills (1423) p. 4; North Carolina.

Sminthurides hospes Börner, 1907

1907. *Sminthurides hospes* Börner (244) p. 172, fig. 40; South America.
1938. *Sminthurides hospes* Folsom and Mills (807) p. 239, Pl. I, fig. 2; Argentina.
1956. *Sminthurides hospes* Stach (1894) p. 15; Argentina.

Sminthurides hystrix Börner, 1903

1903. *Sminthurides hystrix* Börner (239) p. 161; Italy.
1925. *Sminthurides hystrix* Denis (617) p. 212; Italy.
1938. *Sminthurides* (*Stenacidia*) *hystrix* Folsom and Mills (807) p. 263; Description, Italy.
1959. *Stenacidia hystrix* Da Gama (2266) p. 27; Portugal.
1960. *Sminthurides hystrix* Gisin (2271) p. 266; Sicily.

Sminthurides inaequalis Börner, 1903

1903. *Sminthurides inaequalis* Börner (239) p. 160, figs. 17, 18; Italy.
1925. *Sminthurides inaequalis* Denis (617) p. 212; Italy.
1938. *Sminthurides inaequalis* Folsom and Mills (807) p. 257; Italy.
1956. *Sminthurides inaequalis* Stach (1894) p. 19; Sicily.
1960. *Sminthurides inaequalis* Gisin (2271) p. 269, fig 492; Sicily.

Sminthurides krausbaueri (Krausbauer) 1902

1902. *Sminthurus signata* Krausbauer (1205) p. 26; Germany.
1938. *Sminthurides krausbaueri* Folsom & Mills (807) p. 256, Pl. VI, figs. 62–65; Germany.
1953. *Sminthurides krausbaueri* Hammer (972) p. 57; N. Canada.

Sminthurides krausbaueri distinctus Axelson, 1912

1912. *Sminthurides krausbaueri distinctus* Axelson (1292) p. 262; Finland.
1938. *Sminthurides krausbaueri distinctus* Folsom & Mills (807) p. 256; Ontario; Finland.

Sminthurides lepus Mills, 1934

COTYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Sminthurides lepus* Mills (1417) p. 91, figs. 13, 153–157; Iowa.
1938. *Sminthurides lepus* Brimley (275) p. 16; Nth. Carolina.
1938. *Sminthurides lepus* Folsom & Mills (807) p. 260, Pl. VIII, figs. 82–87; U.S.A.; Canada.
1938. *Sminthurides lepus* Mills (1421) p. 16; Nth. Carolina.
1942. *Sminthurides lepus* Brimley (276) p. 4; Nth. Carolina.
1942. *Sminthurides lepus* Mills (1423) p. 4; Nth. Carolina.
1951. *Sminthurides* (*Sminthurides*) *lepus* Maynard (1393) p. 205, Pl. XXII, 359–363; XXIV, 422–423; XXV, 444–446; New York.
1954. *Sminthurides lepus* Bellinger (174) p. 26–; Connecticut.
1956. *Sminthurides lepus* Stach (1894) p. 19; U.S.A.

Sminthurides ludovicianus Folsom and Mills, 1938

COTYPES: Mus. Comp. Zool., Harvard.
1938. *Sminthurides ludovicianus* Folsom & Mills (807) p. 244, Pl. III, figs. 20–27; Louisiana.
1956. *Sminthurides ludovicianus* Stach (1894) p. 15; U.S.A.

Sminthurides macgregori Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Sminthurides macgregori* Murphy (2385) p. 564, figs. 19–27; Gambia.

Sminthurides macnamarai Folsom and Mills, 1938

TYPE and COTYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1938. *Sminthurides macnamarai* Folsom & Mills (807) p. 258; Iowa; Lousiana; Canada.
1956. *Sminthurides macnamarai* Stach (1894) p. 19; U.S.A.; Canada.

Sminthurides malmgreni (Tullberg) 1876

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1876. *Sminthurus malmgrenii* Tullberg (2004) p. 30, Pl. VIII, figs. 5–7; Boreal.
1881. *Sminthurus elegantulus* Reuter (1632) p. 204; Finland.
1887. *Sminthurus malmgreni* Stuxberg (1936) p. 42; Novaya Zemlya.
1893. *Sminthurus malmgrenii* Schött (1765) p. 34, Pl. 2, fig. 21; Sweden; Finland.
1894. *Sminthurus malmgrenii* Schaeffer (1733) p. 129; Spitzbergen.
1895. *Sminthurus malmgrenii* Reuter (1643) p. 13; Finland; Sweden; Bohemia.
1897. *Smynthurus socialis* Folsom (772) p. 446; Massachusetts.
1898. *Sminthurus malmgrenii* Scherbakow (1750) p. 60; Kiev.
1899. *Sminthurus malmgrenii* Lie-Pettersen (1283) p. 4; Norway.
1899. *Sminthurus malmgrenii* Scherbakow (1754) p. 47; Spitzbergen.
1899. *Sminthurus malmgrenii* Wahlgren (2075) p. 337; Spitzbergen.
1900. *Sminthurus* (*Sminthurides*) *elegantulus* Börner (228) p. 616; Scandinavia.
1900. *Sminthurides elegantulus malmgrenii* Börner (228) p. 616; Systematics.
1900. *Sminthurus malmgrenii* Schaeffer (1738) p. 253; Spitzbergen; Novaya Zemlya; Bear I.
1900. *Sminthurus malmgreni* Skorikow (1833) p. 194; Spitzbergen.
1900. *Sminthurus malmgrenii* Wahlgren (2076) p. 2; Bear I.
1900. *Sminthurus malmgrenii* Wahlgren (2077) p. 374; Spitzbergen; Bear I.
1901. *Sminthurides malmgreni elegantulus* Börner (234) p. 94; Central Europe.
1901. *Sminthurus malmgrenii* Boyd (268) p. 317; Scotland.
1901. *Sminthurus malmgrenii* Krausbauer (1204) p. 49; Germany.
1902. *Sminthurus malmgreni* Skorikow (1835) p. 88; Spitzbergen.
1903. *Sminthurides malmgreni* Ågren (55) p. 161; Sweden; Scandinavia; Finland; Germany; Great Britain.
1904. *Sminthurides malmgreni* Axelson (79) p. 78; Norway.
1905. *Sminthurides malmgreni* Axelson (81) p. 40; Finland.
1905. *Sminthurus* (*Sminthurides*) *malmgreni* Becker (160) p. 93; Russia.
1906. *Sminthurides malmgreni* Lie-Pettersen (1284) p. 72; Norway.
1906. *Sminthurides malmgreni* Wahlgren (2080) p. 267, fig. 29; Sweden.
1907. *Sminthurides malmgreni* Axelson (83) p. 132; Finland.
1907. *Sminthurides malmgreni* Wahlgren (2082) p. 227; Torne Lappmark.
1910. *Sminthurides malmgreni* Collinge (464) p. 12; England.
1912. *Sminthurides malmgreni* Axelson (1292) p. 254; Finland.
1916. *Sminthurides malmgreni* Ionesco (1106) p. 495; Roumania; Scandinavia; Germany; N. America; Bohemia; Switzerland; Russia.
1919. *Sminthurides malmgreni* Wahlgren (2089) p. 748; Sweden.
1922. *Sminthurides malmgreni* Carpenter & Philips (404) p. 17; Spitzbergen; Bear Is.; Novaya Zemlya.
1923. *Sminthurides malmgreni* Brown (302) p. 263; England.
1925. *Sminthurides malmgreni* Denis (619) p. 146; France.
1926. *Sminthurides malmgreni* Brown (307) p. 334; England.
1926. *Sminthurides malmgreni* Stirnimann (1907) p. 252; Ecology.
1928. *Sminthurides malmgreni* Handschin (1005) p. 8; Algeria.
1929. *Sminthurides malmgreni* Handschin (1008) p. 109 Europe; Algeria.
1931. *Sminthurides malmgreni* Schött (1780) p. 72; Scandinavia.
1933. *Sminthurides malmgreni* Folsom (802) p. 938; U.S.A.
1933. *Sminthurides malmgreni* Mills & Rolfs (1431) p. 82; Washington.
1933. *Sminthurides malmgreni* Turk (2007) p. 95; Britain.
1934. *Sminthurides malmgreni* Jorgensen (1145) p. 7–; Greenland.
1934. *Sminthurides malmgreni* Mills (1417) p. 90; Iowa.
1937. *Sminthurides malmgreni* Hammer (966) p. 10; East Greenland.
1938. *Sminthurides malmgreni* Folsom & Mills (807) p. 245, Pl. III, figs. 28–31; Pl. IV, figs. 32–38.
1938. *Sminthurides malmgreni* Hammer (968) p. 28; East Greenland.
1941. *Sminthurides malmgreni* Agrell (46) p. 20; Swedish Lapland.
1942. *Sminthurides malmgreni* Haarlov (954) p. 45; Greenland.
1942. *Sminthurides malmgreni* Marlier (1375) p. 10; Belgium.
1943. *Sminthurides malmgreni* Agrell (47) p. 126; Sweden.
1943. *Sminthurides malmgreni* Gisin (853) p. 179; Switzerland.
1944. *Sminthurides malmgreni* Hammer (969) p. 61; Nth. America, Greenland; Bear Is.; Spitzbergen; Lapland; Finland; Europe.
1944. *Sminthurides malmgreni* Tuxen (2010) p. 175–; Iceland.
1948. *Sminthurides malmgreni* Salt *et al.* (1724) p. 144; Ecology.
1949. *Sminthurides malmgreni* Strenzke (1922) p. 208; Germany.
1951. *Sminthurides malmgreni* Maynard (1393) p. 209, Pl. XXV, 450–451; New York.
1951. *Sminthurides malmgreni* Stach (1889) p. 108, fig. 63; Europe; Algeria.
1952. *Sminthurides malmgreni* MacFadyen (1337) p. 110; England, fen.
1953. *Sminthurides malmgreni* Delamare Deboutteville (584) p. 315; France.
1953. *Sminthurides malmgreni* Hammer (972) p. 58; Nth. Canada; Alaska.
1954. *Sminthurides malmgreni* Bellinger (174) p. 26–; Connecticut.
1954. *Sminthurides malmgreni* Delamare Deboutteville (589) pp. 435, 451; France.
1954. *Sminthurides malmgreni* Hammer (974) p. 15; Nth. Greenland.

1955. *Sminthurides malmgreni* Murphy (1474) p. 160; Ecology.
1955. *Sminthurides malmgreni* Stach (1893) p. 181, figs. 535–539; Europe; America; Africa.
1955. *Sminthurides malmgreni* Strenzke (1926) p. 49; Europe.
1956. *Sminthurides malmgreni* Stach (1894) p. 27, Pl. II, figs. 2–9; Pl. VII, fig. 3; Europe; Algeria; U.S.A.; Greenland; Poland.
1956. *Sminthurides malmgreni* Wray & Knowlton (2215) p. 8; Utah.
1957. *Sminthurides malmgreni* Bodvarsson (2252) p. 37; Iceland.
1957. *Sminthurides malmgreni* Haarlov (2281) p. 15; Denmark; habitat.
1958. *Sminthurides malmgreni* Nosek (1503) p. 357; Czechoslovakia.
1958. *Sminthurides malmgreni* von Torne (1993) p. 673; Austria.
1959. *Sminthurides malmgreni* Palissa (2319) p. 278–; Ecology.
1959. *Sminthurides malmgreni* Stach (1896) p. 49; Poland.
1960. *Sminthurides malmgreni* Gisin (2271) p. 268, figs. 487, 488; Cosmopolitan.
1960. *Sminthurides malmgreni* Grindbergs (2373) p. 56; U.S.S.R.

Sminthurides malmgreni abruptus Ågren, 1903

1903. *Sminthurides malmgreni abrupta* Ågren (55) p. 161; Sweden.
1956. *Sminthurides malmgreni abrupta* Stach (1894) p. 31; Poland.

Sminthurides malmgreni aquaticus (Bourlet) 1841

1841. *Sminthurus aquaticus* Bourlet (261) p. 146; Europe.
1903. *Sminthurides malmgreni aquaticus* Ågren (55) p. 162; Sweden.

Sminthurides malmgreni elegantulus (Reuter) 1880

1876. *Sminthurus malmgrenii* Tullberg (2004) p. 30; Boreal (in part).
1880. *Sminthurus elegantulus* Reuter (1635) p. 20; Finland.
1893. *Sminthurus Malmgreni elegantulus* Schött (1765) p. 35, Pl. II, figs. 20, 21, 26; Europe.
1899. *Sminthurus malmgrenii elegantulus* Carl (352) p. 353; Switzerland.
1899. *Sminthurus malmgrenii elegantulus* Carpenter & Evans (402) p. 231, Pl. V, fig. 3, Pl. VII, figs. 5–8; Scotland.
1900. *Sminthurides* (*Sminthurides*) *elegantulus* Börner (228) p. 616; Scandinavia.
1901. *Sminthurides malmgreni elegantula* Börner (234) p. 94, fig. 41; Central Europe.
1901. *Sminthurus malmgrenii elegantulus* Carl (354) p. 275; Switzerland.
1901. *Sminthurus malmgrenii elegantulus* Evans (739) p. 155; Scotland.
1901. *Sminthurus malmgrenii elegantulus* Krausbauer (1204) p. 50, fig. 29; Europe.
1904. *Sminthurides malmgreni elegantula* Axelson (79) p. 78; Norway.
1905. *Sminthurides malmgreni elegantula* Axelson (81) p. 40; Finland.
1907. *Sminthurides malmgreni elegantula* Axelson (83) p. 133; Finland.
1907. *Sminthurides malmgreni elegantula* Axelson (84) p. 6; N. Finland.
1908. *Sminthurus malmgrenii elegantulus* Evans (741) p. 195; Scotland.
1910. *Sminthurides malmgreni elegantula* Bagnall (102) p. 506; Britain.
1910. *Sminthurides malmgreni elegantula* Collinge and Shoebotham (472) p. 121; England.
1911. *Sminthurides malmgreni elegantula* Axelson (1291) p. 24; Norway.
1912. *Sminthurides malmgreni elegantula* Axelson (1292) p. 255; Finland.
1918. *Sminthurides malmgreni elegantula* Brown (296) p. 187; England.
1921. *Sminthurides malmgreni elegantula* Brown (300) p. 129; Swarming.
1921. *Sminthurides malmgreni elegantula* Denis (607) p. 132; France.
1924. *Sminthurides malmgreni elegantulus* Denis (614) p. 294; France.
1925. *Sminthurides malmgreni elegantula* Womersley (2148) p. 170; S.W. England.
1928. *Sminthurides malmgreni elegantula* Jackson (1121) p. 303; British Isles.
1933. *Sminthurides malmgreni elegantulus* Turk (2007) p. 95; British Isles.
1929. *Sminthurides malmgreni elegantula* Brown (308) p. 111; Ecology (freshwater Collembola).
1934. *Sminthurides malmgreni elegantula* Durkop (707) p. 509; Finland; Norway.
1938. *Sminthurides malmgreni elegantulus* Folsom and Mills (807) p. 245; North America.
1941. *Sminthurides malmgreni elegantula* Ågren (55) p. 161; Sweden.
1943. *Sminthurides malmgreni elegantula* Gisin (853) p. 179; Switzerland.
1949. *Sminthurides malmgreni elegantula* Strenzke (1922) p. 208; Germany.
1951. *Sminthurides malmgreni elegantula* Maynard (1393) p. 209, Pl. XXV, 454, 455; New York.
1951. *Sminthurides malmgreni elegantula* Stach (1889) p. 108; Poland.
1955. *Sminthurides* (*Sminthurides*) *malmgreni elegantula* Goto (918) p. 33; British Isles.
1955. *Sminthurides malmgreni elegantula* Stach (1893) p. 181, fig. 538; Europe.
1955. *Sminthurides malmgreni elegantula* Strenzke (1926) p. 49; Europe.
1956. *Sminthurides malmgreni elegantula* Bockemuhl (193) p. 148; Spitzbergen.
1956. *Sminthurides malmgreni elegantula* Stach (1894) p. 31; Poland.
1957. *Sminthurides malmgreni elegantula* Bodvarsson (2252) p. 37; Iceland.
1958. *Sminthurides malmgreni elegantula* von Torne (1993) p. 673; Austria.
1960. *Sminthurides malmgreni elegantulus* Grindbergs (2373) p. 56; U.S.S.R.
1960. *Sminthurides malmgreni elegantulus* Palissa (2319) p. 392; Systematics and Ecology.

Sminthurides malmgreni elegantulus nigrescens (Börner) 1900

1900. *Sminthurides elegantulus nigrescens* Börner (228) p. 616; Finland.

Sminthurides malmgreni immaculatus Axelson, 1905

TYPE: Univ. Mus., Div. Ent., Helsinki.
1905. *Sminthurides malmgreni immaculata* Axelson (80) p. 792; Finland.
1907. *Sminthurides malmgreni immaculata* Axelson (83) p. 133; Finland.
1912. *Sminthurides malmgreni immaculata* Axelson (1292) p. 256; Finland.

1938. *Sminthurides malmgreni immaculatus* Folsom and Mills (807) p. 245; Median stripe absent; North America; Europe.
1955. *Sminthurides malmgreni immaculata* Stach (1893) p. 181; Europe.
1956. *Sminthurides malmgreni immaculata* Stach (1894) p. 31; Poland.

Sminthurides malmgreni maculatus Ågren, 1903

1903. *Sminthurides malmgreni maculata* Ågren (55) p. 161; Sweden.
1912. *Sminthurides malmgreni maculata* Axelson (1292) p. 256; Finland.
1938. *Sminthurides malmgreni maculatus* Folsom and Mills (807) p. 245; Sweden.
1951. *Sminthurides malmgreni maculata* Stach (1889) p. 108; Poland.
1955. *Sminthurides malmgreni maculata* Stach (1893) p. 181; Europe.
1956. *Sminthurides malmgreni maculata* Stach (1894) p. 31; Poland.

Sminthurides malmgreni nigrescens Börner, 1901

TYPE: Deutsch. Entom. Inst., Berlin.
1901. *Sminthurides malmgreni nigrescens* Börner (234) p. 96; Central Europe.
1903. *Sminthurides malmgreni nigrescens* Ågren (55) p. 161; Sweden.
1907. *Sminthurides malmgreni nigrescens* Axelson (83) p. 133; Finland.
1912. *Sminthurides malmgreni nigrescens* Axelson (1292) p. 255; Finland.
1938. *Sminthurides malmgreni nigrescens* Folsom and Mills (807) p. 245; Germany; Finland.
1949. *Sminthurides malmgreni nigrescens* Strenzke (1922) p. 208; Germany, Ecology.
1955. *Sminthurides malmgreni nigrescens* Stach (1893) p. 181, fig. 537; Europe.
1956. *Sminthurides malmgreni nigrescens* Stach (1894) p. 32; Poland.

Sminthurides malmgreni palustris Folsom and Mills, 1938

1938. *Sminthurides malmgreni palustris* Folsom and Mills (807) p. 247; U.S.A.; Canada.
1951. *Sminthurides malmgreni palustris* Maynard (1393) p. 211, Pl. XXV, 452, 453; New York.
1953. *Sminthurides malmgreni palustris* Hammer (973) p. 9; Ellesmere I., Canada.
1956. *Sminthurides malmgreni palustris* Stach (1894) p. 32; Poland.

Sminthurides malmgreni principalis Stach, 1956

1876. *Sminthurus malmgreni* Tullberg (2004) p. 30, Pl. VIII, figs. 5–7; in part; Boreal.
1956. *Sminthurides malmgreni principalis* Stach (1894) p. 32; Poland.

Sminthurides malmgreni quadrilineatus Ågren, 1903

1903. *Sminthurides malmgreni quadrilineata* Ågren (55) p. 161; Sweden.
1907. *Sminthurides malmgreni quadrilineata* Axelson (83) p. 133; Finland.
1912. *Sminthurides malmgreni quadrilineata* Axelson (1292) p. 256; Finland.
1921. *Sminthurides malmgreni quadrilineata* Denis (607) p. 132; France.
1938. *Sminthurides malmgreni quadrilineata* Folsom and Mills (807) p. 245; Sweden.
1951. *Sminthurides malmgreni quadrilineata* Stach (1889) p. 108; Poland.
1955. *Sminthurides malmgreni quadrilineata* Stach (1893) p. 181, dif. 539; Europe.
1956. *Sminthurides malmgreni quadrilineata* Stach (1894) p. 32; Poland.

Sminthurides melanotus Börner, 1907.

COTYPES: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1907. *Sminthurides melanotus* Börner (244) p. 171, fig. 39; South America.
1938. *Sminthurides melanotus* Folsom and Mills (807) p. 249, Pl. V, fig. 41; Argentina.
1956. *Sminthurides melanotus* Stach (1894) p. 17; Argentina.
1960. *Sminthurides melanotus* Murphy (2385) p. 592; South America.

Sminthurides millsi Marlier, 1944

1944. *Sminthurides millsi* Marlier (1376) p. 6, fig. 2; Belgian Congo.

Sminthurides occultus Mills, 1936

TYPE, COTYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1936. *Sminthurides occultus* Mills (1417) p. 91, figs. 146–152; Iowa.
1938. *Sminthurides occultus* Brimley (275) p. 16; Nth. Carolina.
1938. *Sminthurides occultus* Folsom and Mills (807) p. 258, Pl. VII, figs. 77–81; U.S.A.; Canada.
1938. *Sminthurides occultus* Mills (1421) p. 16; Nth. Carolina.
1951. *Sminthurides occultus* Maynard (1393) p. 207, Pl. XXII, 357, 358; New York.
1953. *Sminthurides occultus* Hammer (972) p. 58; Nth. Canada.
1956. *Sminthurides occultus* Stach (1894) p. 18; U.S.A.

Sminthurides parvulus (Krausbauer) 1898

1898. *Sminthurus parvulus* Krausbauer (1203) p. 497; Germany.
1900. *Sminthurides parvulus* Börner (228) p. 617; Germany.
1901. *Sminthurus parvulus* Krausbauer (1204) p. 53, Pl. I, figs. 40–42 B; Germany.
1938. *Sminthurides parvulus* Folsom and Mills (807) p. 254, Pl. VI, figs. 53, 54; Germany.
1950. *Sminthurides parvulus* Delamare Deboutteville (570) p. 143; France.
1955. *Sminthurides parvulus* Salmon (1707) p. 241, figs. 1–8; Britain.
1956. *Sminthurides parvulus* Stach (1894) p. 19; Germany.
1960. *Sminthurides parvulus* Gisin (2271) p. 269, fig 493; England; Switzerland; France; Germany.
1960. *Sminthurides parvulus* Murphy (2387) p. 57, figs. 45–59; Britain.

Sminthurides pauliani Denis, 1936

1936. *Sminthurides pauliani* Denis (659) p. 127; France.
1938. *Sminthurides pauliani* Folsom and Mills (807) p. 252; France.

Sminthurides penicillifer (Schaeffer) 1896

1896. *Sminthurus penicillifer* Schaeffer (1735) p. 211; Germany.
1900. *Sminthurides penicillifer* Börner (228) p. 617; Scandinavia.
1901. *Sminthurides penicillifer* Börner (234) p. 92, figs. 39, 40; Central Europe.
1907. *Sminthurides penicillifer* Axelson (83) p. 133; Finland.
1912. *Sminthurides penicillifer* Axelson (1292) p. 253; Finland.
1916. *Sminthurides penicillifer* Ionesco (1106) p. 494, fig. 10; Roumania.

1922. *Sminthurides penicillifer* Latzel (1250) p. 74; Austria.
1929. *Sminthurides penicillifer* Handschin (1008) p. 107, fig. 197; Germany; Switzerland; Finland; Russia; North America.
1931. *Sminthurides penicillifer* Denis (639) p. 232; Germany.
1932. *Sminthurides penicilifer* Kseneman (1211) p. 22; Czechoslovakia.
1938. *Sminthurides penicillifer* Agrell (44) p. 167; Sweden; Finland; Russia; Germany; Switzerland.
1938. *Sminthurides penicillifer* Folsom and Mills (807) p. 251, Pl. VI, fig. 49.
1941. *Sminthurides penicillifer* Buitendijk (336) p. 78; Netherlands.
1943. *Sminthurides penicillifer* Agrell (47) p. 126; Sweden.
1951. *Sminthurides penicillifer* Stach (1889) p. 105, fig. 60; Europe.
1955. *Sminthurides penicillifer* Stach (1893) p. 176, fig. 528; Poland.
1956. *Sminthurides penicillifer* Paclt (1541) p. 15, fig. 13.
1956. *Sminthurides penicillifer* Stach (1894) pp. 14, 38, Pl. V, VII, fig. 2; Europe.
1960. *Sminthurides penicillifer* Gisin (2271) p. 266; Europe.
1960. *Sminthurides penicillifer* Grindbergs (2373) p. 53; U.S.S.R.

Sminthurides penicillifer bifidus Mills, 1934

COTYPES: Illinois State Nat. Hist. Surv., Urbana, Illinois.
1934. *Sminthurides penicillifer bidifus* Mills (1417) p. 90, figs. 143–145; Iowa.
1938. *Sminthurides bifidus* Folsom and Mills (807) p. 250, Pl. V, figs. 42–48; U.S.A.
1951. *Sminthurides* (*Sminthurides*) *bidifus* Maynard (1393) p. 208, Pl. XXII, 366, 367, XXIV, 427, XXV, 447–449; New York.

Sminthurides penicillifer incomptus Börner, 1900

1900. *Sminthurides penicillifer incompta* Börner (228) p. 617; Europe.
1901. *Sminthurides penicillifer incompta* Börner (234) p. 94; Central Europe.
1929. *Sminthurus penicillifer incompta* Kel'schtein (1160) p. 247; Russia.
1938. *Sminthurides penicillifer incomptus* Folsom and Mills (807) p. 252; Germany; Finland; Switzerland; Russia.
1960. *Sminthurides penicillifer incompta* Grindbergs (2373) p. 55; U.S.S.R.

Sminthurides penicillifer typica Börner, 1901

1901. *Sminthurides penicillifer typica* Börner (234) p. 94; Central Europe.

Sminthurides pseudassimilis Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Sminthurides pseudassimilis* Stach (1894) p. 43, Pl. VI, 1–5, Pl. VII, 4; Finland; Poland; U.S.A.
1960. *Sminthurides pseudassimilis* Gisin (2271) p. 268; Russia; Finland; Poland.
1960. *Sminthurides pseudassimilis* Grindbergs (2373) p. 56; U.S.S.R.

Sminthurides quinquearticulatus Gisin, 1944

TYPE: Mus. Hist. Natur., Geneva.
1944. *Sminthurides quinquearticulatus* Gisin (855) p. 30, fig. 20; Switzerland.
1946. *Sminthurides quinquearticulatus* Gisin (857) p. 222; Switzerland.
1952. *Sminthurides quinquearticulatus* MacFadyen (1337) p. 110; England, fen.
1956. *Sminthurides quinquearticulatus* Stach (1894) p. 21; Classification.

Sminthurides quinquelineatus Gisin, 1943

TYPE: Mus. Hist. Natur., Geneva.
1943. *Sminthurides quinquelineatus* Gisin (853) p. 179; Switzerland.

Sminthurides ramosus Folsom, 1932

COTYPES: Mus. Comp. Zool., Harvard.
HOLOTYPE, COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1932. *Sminthurides ramosus* Folsom (801) p. 72, Pl. 10, fig. 113, Pl. 11, figs. 114–123, Pl. 12, figs. 124–126; Hawaii.

Sminthurides schoetti Axelson, 1903

TYPE: Univ. Mus., Div. Ent., Helsinki.
1903. *Sminthurides schötti* Axelson (77) p. 12; Finland.
1904. *Sminthurides schötti* Axelson (79) p. 79; Norway.
1907. *Sminthurides schötti* Axelson (83) p. 133; Finland.
1912. *Sminthurides schötti* Axelson (1292) p. 267, Pl. XV, figs. 9–14; Finland.
1927. *Sminthurides schötti* Handschin (999) p. 298; Westfalia, Germany.
1929. *Sminthurides schötti* Handschin (1008) p. 110, fig. 200; Finland; Scandinavia; Nth. Germany.
1932. *Sminthurides schötti* Durkop (706) p. 236; Germany.
1934. *Sminthurides schötti* Davies (521) p. 93; Ireland.
1934. *Sminthurides schötti* Davies (522) p. 122; Wales.
1934. *Sminthurides schötti* Durkop (707) p. 509; Germany.
1936. *Sminthurides schötti* Brown (315) p. 118; Oxfordshire, England.
1937. *Sminthurides schötti* Ford (811) p. 103–; Ecology.
1938. *Sminthurides schötti* Folsom & Mills (807) p. 253, Pl. VI, figs. 50–52; Finland; Scandinavia.
1941. *Sminthurides schötti* Agrell (46) p. 20; Swedish Lapland.
1943. *Sminthurides schötti* Agrell (47) p. 126; Sweden.
1943. *Sminthurides schötti* Gisin (853) p. 179; Switzerland.
1944. *Sminthurides schötti* Tuxen (2010) p. 181; Iceland.
1945. *Sminthurides schötti* Agrell (50) p. 11; Norway.
1948. *Sminthurides schötti* Salt *et al.* (1724) p. 144–; Ecology.
1949. *Sminthurides schötti* Strenzke (1922) p. 208; Germany.
1951. *Sminthurides schötti* Schaller (1746) p. 493; Germany; Ecology.
1951. *Sminthurides schoetti* Stach (1889) p. 110, fig. 64; Poland.
1955. *Sminthurides* (*Sminthurides*) *schotti* Goto (918) p. 33; British Isles.
1955. *Sminthurides schötti* Murphy (1474) p. 160; Ecology.
1955. *Sminthurides schoetti* Stach (1893) p. 181, figs. 540–543; Poland.
1955. *Sminthurides* (*Sminthurides*) *schötti* Strenzke (1926) p. 49; Europe.
1956. *Sminthurides schötti* Paclt (1541) p. 25, fig. 29; Biology.
1956. *Sminthurides schoetti* Stach (1894) pp. 18, 36, Pl. IV; Nth. and Central Europe.
1957. *Sminthurides schötti* Bodvarsson (2252) p. 37; Iceland.
1958. *Sminthurides schötti* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurides schötti* Grindbergs (2277) p. 203; Latvia.

1958. *Sminthurides schötti* Holler-Land (2283) p. 110; Ecology.
1958. *Sminthurides* (*Sminthurides*) *schötti* von Torne (1993) p. 673; Austria.
1959. *Sminthurides schötti* Holler-Land (2284) p. 436; Germany; Ecology.
1959. *Sminthurides schoetti* Stach (1896) p. 49; Poland.
1960. *Sminthurides schoetti* Gisin (2271) p. 268, fig. 489; Europe.
1960. *Sminthurides schoetti* Grindbergs (2373) p. 56; U.S.S.R.
1960. *Sminthurides* (*s.str.*) *sp. innominata* (? in *S. schotti* group) Murphy (2387) p. 59, figs. 58–59.

Sminthurides schoetti bilineatus Axelson, 1903

TYPE: Univ. Mus., Div. Ent., Helsinki.
1903. *Sminthurides schötti bilineata* Axelson (77) p. 13; Finland.
1904. *Sminthurides schötti bilineata* Axelson (79) p. 79; Norway.
1905. *Sminthurides schötti bilineata* Axelson (81) p. 40; Tvärminne, Finland.
1907. *Sminthurides schötti bilineata* Axelson (83) p. 133; Finland.
1912. *Sminthurides schötti bilineata* Axelson (1292) p. 269; Finland.
1921. *Sminthurides schötti bilineata* Bagnall (107) p. 14; Britain.
1928. *Sminthurides schötti bilineata* Jackson (1121) p. 303; Britain.
1938. *Sminthurides schötti bilineata* Folsom & Mills (807) p. 254; Finland; Norway.
1938. *Sminthurides schötti bilineata* Kseneman (1219) p. 111; Spieglitzer snow mountains.
1949. *Sminthurides schötti bilineata* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Sminthurides schötti bilineata* Stach (1889) p. 111; Europe.
1955. *Sminthurides schötti bilineata* Goto (921) p. 268; Britain.
1955. *Sminthurides schötti bilineata* Stach (1893) p. 181; Europe.
1956. *Sminthurides schötti bilineata* Stach (1894) p. 37; Poland.
1957. *Sminthurides schötti bilineata* Bodvarsson (2252) p. 38; Iceland.

Sminthurides schoetti ornatus Axelson, 1903

TYPE: Univ. Mus., Div. Ent., Helsinki.
1903. *Sminthurides schötti ornata* Axelson (77) p. 13; Finland.
1907. *Sminthurides schötti ornata* Axelson (83) p. 133; Finland.
1912. *Sminthurides schötti ornata* Axelson (1292) p. 269; Finland.
1938. *Sminthurides schötti ornata* Folsom & Mills (807) p. 254; Finland; Czechoslovakia; England; Norway; Germany.
1949. *Sminthurides schötti ornata* Strenzke (1922) p. 208; Germany.
1951. *Sminthurides schötti ornata* Stach (1889) p. 111; Europe.
1955. *Sminthurides schötti ornata* Stach (1893) p. 181; Europe.
1957. *Sminthurides schötti ornata* Bodvarsson (2252) p. 38; Iceland.

Sminthurides schoetti principalis Axelson, 1903

TYPE: Univ. Mus., Div. Ent., Helsinki.
1903. *Sminthurides schötti principalis* Axelson (77) p. 12; Finland.
1904. *Sminthurides schötti principalis* Axelson (79) p. 79; Norway.
1938. *Sminthurides schötti principalis* Folsom & Mills (807) p. 254; Finland; Scandinavia.

Sminthurides sexpinnatus Denis, 1931

1931. *Sminthurides sexpinnatus* Denis (638) p. 156, figs. 200–205; Costa Rica.
1938. *Sminthurides* (*Denisiella*) *sexpinnatus* Folsom & Mills (807) p. 267, Pl. IX, fig. 102; Costa Rica.
1942. *Sminthurides sexpinnatus* Scott (1796) p. 183; West U.S.A.
1960. *Sminthurides sexpinnatus* Murphy (2385) p. 589; Taxonomy.

Sminthurides signatus (Krausbauer) 1898

1898. *Sminthurus signatus* Krausbauer (1203) p. 496; Germany.
1900. *Sminthurides signatus* Börner (228) p. 617; Germany.
1907. *Sminthurides signatus* Axelson (83) p. 133; Finland.
1929. *Sminthurides signatus* Handschin (1008) p. 111; Finland.
1930. *Sminthurides signatus* Womersley (2167) p. 153; England.
1933. *Sminthurides signatus* James (1124) p. 110; Canada.
1933. *Sminthurides signatus* Turk (2007) p. 95; Britain.
1933. *Sminthurides signatus* Womersley (2174) p. 241; Australia.
1939. *Sminthurides signatus* Agrell (44) p. 167; Sweden; Finland; Germany.
1939. *Sminthurides signatus* Womersley (2190) p. 222, fig. 66 Q-S; W. Australia.
1941. *Sminthurides signatus* Agrell (46) p. 20; Swedish Lapland.
1932. *Sminthurides signatus* Agrell (47) p. 126; Sweden.
1948. *Sminthurides signatus* Gisin (867) p. 89; Switzerland.
1956. *Sminthurides signatus* Stach (1894) p. 18, 19; Germany.
1959. *Sminthurides signatus* Stach (1896) p. 69; Remarks.
1960. *Sminthurides signatus* Gisin (2271) p. 269; Germany.
1960. *Sminthurides signatus* Murphy (2387) p. 59, figs. 56, 57, 60–70; Britain.

Sminthurides signatus distinctus Linnaniemi, 1912

TYPE: Univ. Mus., Div. Ent., Helsinki.
1912. *Sminthurides signatus distincta* Linnaniemi (1292) p. 262, Pl. XV, figs. 15–20; Finland.
1956. *Sminthurides signatus distinctus* Stach (1894) p. 20; Classification.

Sminthurides spegazzinii Börner, 1907

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1907. *Sminthurides spegazzinii* Börner (244) p. 170, figs. 35–38; Sth. America.
1938. *Sminthurides spegazzinii* Folsom & Mills (807) p. 248, Pl. V, fig. 39; Argentina.
1956. *Sminthurides spegazzinii* Stach (1894) p. 16; Argentina.
1960. *Sminthurides spegazzinii* Murphy (2385) p. 592; Taxonomy.

Sminthurides sphaeridioides Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Sminthurides sphaeridioides* Murphy (2385) p. 566, figs. 28–35; Gambia.

Sminthurides stagnalis Womersley, 1932

COTYPE: Sth. Austr. Mus., Adelaide.
1932. *Sminthurides stagnalis* Womersley (2172) p. 16, fig. 3 a-f; Australia.
1938. *Sminthurides stagnalis* Folsom and Mills (807) p. 239, Pl. I, figs. 3–4; W. Australia.
1939. *Sminthurides* (*Sminthurides*) *stagnalis* Womersley (2190) p. 221, fig. 66 G-L; W. Australia.
1956. *Sminthurides stagnalis* Stach (1894) p. 15; W. Australia.

Sminthurides terrestris Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Sminthurides* (*Sminthurides*) *terrestris* Maynard (1393) p. 213, Pl. XXIII, figs. 395, 396, XXV, figs. 458–463; New York.
1956. *Sminthurides terrestris* Stach (1894) p. 19; U.S.A.

Sminthurides tropicus Delamare Deboutteville, 1950

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1950. *Sminthurides tropicus* Delamare Deboutteville (570) p. 83; Ivory Coast.

Genus: STENACIDIA Börner, 1906 (243) p. 182.
Type species fixed: *S. violacea* (Reuter) by Börner, 1906 (243) **p. 182.**

Stenacidia serroseta Börner, 1908

LECTOTYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1908. *Sminthurides* (*Stenacidia*) *serroseta* Börner (245) p. 58, figs. 4, 5, 6–9, 10–13, Pl. VI, figs. 1–5; South Africa.
1938. *Sminthurides* (*Denisiella*) *serroseta* Folsom and Mills (807) p. 264, Pl. VIII, figs. 90, 91; Sth Africa.
1959. *Sminthurides* (*Denisiella*) *serroseta* Paclt (2316) p. 264; South Africa.

Stenacidia violacea (Reuter) 1881

1881. *Sminthurus violaceus* Reuter (1632) p. 203; Finland.
1893. *Sminthurus violaceus* Schött (1765) p. 32, Pl. II, figs. 8–11; Finland.
1895. *Sminthurus violaceus* Reuter (1643) p. 12; Finland.
1898. *Sminthurus violaceus variabilis* Krausbauer (1203) p. 496; Europe.
1900. *Sminthurus* (*Sminthurides*) *violaceus* Börner (228) p. 616; Scandinavia.
1900. *Sminthurus violaceus* Carpenter and Evans (402) p. 230, Pl. V, fig. 2, Pl. VI, figs. 1–4; Edinburgh district.
1901. *Sminthurides violaceus* Börner (234) p. 98; Germany.
1901. *Sminthurus violaceus variabilis* Krausbauer (1204) p. 48; Germany.
1904. *Sminthurides violaceus* Axelson (79) p. 79; Norway.
1906. *Sminthurides* (*Stenacidia*) *violaceus* Börner (243) p. 182; Classification.
1907. *Sminthurides violaceus* Axelson (83) p. 133; Finland.
1908. *Sminthurus violaceus* Evans (741) p. 195–; Forth area.
1910. *Sminthurides violaceus* Bagnall (102) p. 506; Britain.
1910. *Sminthurides violaceus* Collinge and Shoebotham (472) p. 121; England.
1912. *Sminthurides* (*Stenacidia*) *violaceus* Axelson (1292) p. 250, Pl. XV, figs. 7, 8; Finland.
1920. *Sminthurides* (*Stenacidia*) *violaceus* Stach (1859) p. 197; Germany; Finland; Great Britain; Scandinavia.
1928. *Sminthurides* (*Stenacidia*) *violaceus* Jackson (1121) p. 303; Britain.
1929. *Sminthurides* (*Stenacidia*) *violaceus* Handschin (1008) p. 107; Germany; Finland; Scandinavia; Poland; England.
1930. *Sminthurides* (*Stenacidia*) *violaceus* Stach (1869) p. 307; Germany; Scandinavia; Europe; Great Britain.
1932. *Stenacidia violacea* Denis (641) p. 379; France.
1932. *Sminthurides* (*Stenacidia*) *violacea* Womersley (2172) p. 14, fig. 2 b-g; Australia.
1933. *Sminthurides violaceus* Turk (2007) p. 94; Britain.
1933. *Stenacidia violaceus* Schubert (1787) p. 210; Ecology.
1936. *Sminthurides* (*Stenacidia*) *violaceus* Denis (661) p. 276, figs. 42–48; India.
1937. *Stenacidia violaceus* Schubert (1792) p. 129; Germany.
1937. *Sminthurides* (*Stenacidia*) *violaceus* Womersley (2185) p. 5; Kerguelen.
1938. *Sminthurides* (*Stenacidia*) *violaceus* Folsom and Mills (807) p. 262, Pl. VIII, fig. 89; Germany; England; Australia; Finland; Scandinavia; Poland.
1939. *Sminthurides* (*Stenacidia*) *violacea* Womersley (2190) p. 221, Pl. II, fig. 18, fig. 66 B-F; West Australia; Tasmania.
1949. *Sminthurides* (*Stenacidia*) *violaceus* Strenzke (1922) p. 208; Germany.
1951. *Sminthurides* (*Stenacidia*) *violaceus* Maynard (1393) p. 204, Pl. XXIII, 411, 412; New York.
1951. *Sminthurides violaceus* Praport (1610) p. 145; Poland.
1951. *Stenacidia violacea* Stach (1889) p. 104, fig. 59; Europe.
1955. *Sminthurides* (*Stenacidia*) *violaceus* Mani, Singh, Gupta and Baijal (1369) p. 512; N.W. Himalayas.
1955. *Sminthurides* (*Stenacidia*) *violaceus* Palissa (1545) p. 482; Ecology.
1955. *Stenacidia violacea* Stach (1893) p. 176, fig. 527; Europe.
1956. *Sminthurides* (*Stenacidia*) *violacea* Salmon (1712) p. 39, figs. 111–118; Ruanda.
1956. *Stenacidia violacea* Stach (1894) pp. 5, 57, Pl. VIII, figs. 9–10; Description, Poland.
1958. *Sminthurides violaceus* Holler-Land (2283) p. 110; Ecology.
1958. *Sminthurides* (*Stenacidia*) *violaceus* von Torne (1993) p. 673; Austria.
1959. *Stenacidia violacea* Jeannenot (2287) p. 14–, figs. 8a–12; Systematics.
1959. *Sminthurides* (*Stenacidia*) *violaceus* Steiner (2343) p. 467; Spain.
1960. *Sminthurides violaceus* Gisin (2271) p. 266, fig. 484; Europe.

Stenacidia violacea variabilis Krausbauer, 1898

1898. *Sminthurus violaceus variabilis* Krausbauer (1203) p. 496.
1900. *Sminthurides violaceus variabilis* Börner (228) p. 616; Germany.

Genus: DENISIELLA Folsom and Mills, 1938 (807) p. 264.
Type species fixed: *D. seurati* (Denis) by Folsom and Mills, 1938 (807) p. 264.

Denisiella ramosa (Folsom) 1932

1932. *Sminthurides* (*Denisiella*) *ramosus* Folsom (801) p. 72, Pl. 10, fig. 113, Pl. 11, figs. 114–123, Pl. 12, figs. 124–126; Hawaii.
1938. *Sminthurides* (*Denisiella*) *ramosus* Folsom and Mills (807) p. 266, Pl. 8, figs. 94–101.

1948. *Sminthurides* (*Denisiella*) *ramosus* Zimmerman (2237) p. 66, figs. 32 A-I, 33 A-F; Hawaii.
1960. *Sminthurides* (*Denisiella*) *ramosus* Murphy (2385) p. 571; Gambia.

Denisiella seurati Denis, 1925

1925. *Sminthurides seurati* Denis (621) p. 273, figs. 115–123; Mangareva Is., Rikitia.
1926. *Sminthurides seurati* Handschin (988) p. 34, fig. 23; Biology.
1938. *Sminthurides* (*Denisiella*) *seurati* Folsom and Mills (807) p. 265, Pl. VIII, figs. 92, 93; Mangareva Is., Rikitia.
1940. *Sminthurides seurati* Mumford (1472) p. 266; Mangareva Is.

Genus: SPHAERIDIA Linnaniemi, 1912 (1292) p. 248.

Type species here designated: *S. pumilis* (Krausbauer), by monotypy.

Sphaeridia proxima Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Sminthurides* (*Sphaeridia*) *proxima* Murphy (2385) p. 569, figs. 37, 38, 40; Gambia.

Sphaeridia pumilis (Krausbauer) 1898

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1898. *Sminthurus pumilis* Krausbauer (1203) p. 495; Germany.
1901. *Sminthurides pumilio* Börner (234) p. 138; Central Europe.
1901. *Sminthurus pumilis* Krausbauer (1204) p. 47, figs. 18–23; Germany.
1902. *Sminthurides globosus* Axelson (76) p. 109; Finland; Russia.
1904. *Sminthurides globosus* Axelson (79) p. 79; Norway.
1904. *Sminthurides pumilio* Axelson (79) p. 79; Synonymy, Norway.
1905. *Sminthurides pumilio* Axelson (81) p. 40; Finland.
1907. *Sminthurides pumilis* Axelson (83) p. 133; Finland.
1912. *Sminthurides* (*Sphaeridia*) *pumilio* Axelson (1292) p. 248, Pl. XIV, figs. 20–23; Finland.
1922. *Sminthurides* (*Sphaeridia*) *pumilio* Stach (1860) p. 54; Hungary.
1923. *Sminthurides* (*Sphaeridia*) *pumilio* Stach (1863) p. 14; Taxonomy, Germany.
1924. *Sminthurides* (*Sphaeridia*) *pumilio* Handschin (981) p. 149; Switzerland.
1925. *Sminthurides pumilio* Handschin (987) p. 171, Pl. 31, fig. 7; Morocco.
1927. *Sminthurides pumilio* Handschin (999) p. 298; Westfalian peatbogs.
1928. *Sminthurides pumilio* Handschin (1003) p. 133; East Prussia.
1929. *Sminthurides pumilio* Handschin (1008) p. 107; Norway; Finland; Germany; Poland; Hungary; Switzerland; Morocco.
1930. *Sminthurides* (*Sphaeridia*) *pumilio* Stach (1869) p. 307; Scandinavia; Europe.
1931. *Sminthurides* (*Sphaeridia*) *pumilio* Denis (638) p. 155, figs. 193–199; Costa Rica.
1931. *Sminthurides* (*Sphaeridia*) *pumilio* Denis (639) p. 232; Germany.
1932. *Sminthurides* (*Sphaeridia*) *pumilio* Kseneman (1211) p. 22; Czechoslovakia.
1932. *Sminthurides* (*Sphaeridia*) *pumilio* Womersley (2172) p. 14, fig. 2a; Perth, Taxonomy.
1933. *Sminthurides* (*Sphaeridia*) *pumilio* Denis (645) p. 272; Costa Rica.
1934. *Sminthurides pumilio* Agrell (37) p. 233; Ecology.
1934. *Sphaeridia pumilio* Agrell (37) p. 233; Ecology, Sweden.
1934. *Sminthurides pumilio* Davies (522) p. 123; Nth. Wales.
1934. *Sminthurides* (*Sphaeridia*) *pumilio* Davies (522) p. 123; Wales.
1934. *Sminthurides* (*Sphaeridia*) *pumilio* Durkop (707) p. 509; Germany.
1934. *Sminthurides pumilio* Mills (1417) p. 88, figs. 139–143; Iowa.
1934. *Sminthurides* (*Sphaeridia*) *pumilis* Mills (1417) p. 88, figs. 139–143; Cosmopolitan, Iowa; Utah.
1935. *Sminthurides pumilio* Kseneman (1213) p. 21; Czechoslovakia.
1937. *Sminthurides pumilio* Henriksen (1043) p. 6; Faroes; Norway; Finland; Germany.
1938. *Sminthurides* (*Sphaeridia*) *serratus* Folsom and Mills (807) p. 268, figs. 103–107; Description, U.S.A.
1938. *Sminthurides* (*Sphaeridia*) *pumilis* Folsom and Mills (807) p. 270, Pl. IX, figs. 108–112; Nth. America; Costa Rica; Australia.
1938. *Sminthurides* (*Sphaeridia*) *pumilio* Kseneman (1219) p. 110; Europe; North Africa; North America.
1938. *Sminthurides* (*Sphaeridia*) *pumilio* Kseneman (1220) p. 20; Europe.
1939. *Sphaeridia pumilio* Agrell (44) p. 168; Sweden.
1939. *Sminthurides* (*Sphaeridia*) *pumilis* Womersley (2190) p. 220, fig. 66A; Australia.
1941. *Sphaeridia pumilio* Agrell (46) p. 20; Swedish Lapland.
1943. *Sphaeridia pumilio* Agrell (47) p. 126; Sweden.
1943. *Sminthurides* (*Sphaeridia*) *pumilis* Gisin (853) p. 178; Switzerland.
1944. *Sphaeridia pumilis* Gisin (854) p. 110; Holarctic.
1945. *Sphaeridia pumilio* Agrell (50) p. 10; Sweden; Norway; Habitats.
1948. *Sminthurides* (*Sphaeridia*) *pumilis* Denis (675) p. 1, figs. 1–10; Systematics.
1948. *Sminthurides pumilis* Gisin (867) p. 80; Switzerland.
1949. *Sphaeridia pumilio* Strenzke (1922) p. 208; Ecology, Germany.
1950. *Smithurides* (*Sphaeridia*) *pumilis* Wray (2216) p. 64; Utah.
1951. *Sphaeridia pumilio* Cassagnau and Delamare Deboutteville (593) p. 2; Mid. France.
1951. *Smithurides* (*Sphaeridia*) *pumilis* Maynard (1393) p. 217, Pl. XXII, fig. 372, Pl. XXVI, figs. 472–475; Description, New York.
1951. *Sminthurides pumilis* Paclt (1536) p. 163; Czechoslovakia; Bohemia.
1951. *Sphaeridia pumilis* Schaller (1746) p. 463; Ecology.
1951. *Sphaeridia pumilis* Stach (1889) p. 112, fig. 66; Cosmopolite.
1951. *Sminthurides* (*Sphaeridia*) *pumilis* Wilkey (2120) p. 79; Colorado.
1952. *Sminthurides pumilio* MacFadyen (1337) p. 110; England, fen.
1953. *Sminthurides pumilis* Hammer (972) p. 58; Nth. Canada; Alaska.
1954. *Sphaeridia pumilio* Travé (2000) p. 211; France.
1955. *Sminthurides pumilis* Goto (921) p. 268; Britain.
1955. *Sminthurides* (*Sphaeridia*) *pumilis* Palissa (1545) p. 482; Ecology.
1955. *Sphaeridia pumilis* Stach (1893) p. 176, figs. 524–526; Europe; America; Australia; Africa.
1955. *Sminthurides* (*Stenacidia*) *pumilis* Strenzke (1926) p. 49; Europe.
1956. *Sminthurides pumilis* Bockemuhl (193) p. 148; Spitzbergen.

1956. *Sminthurides* (*Sphaeridia*) *pumilis* Goto (926) p. 9; Outer Hebrides.
1956. *Sminthurides pumilio* Paclt (1541) p. 114; Biology.
1956. *Sphaeridia pumilis* Stach (1894) p. 49, Pl. VIII, figs. 1–8; Poland; Russia; Germany; Slovakia.
1956. *Sminthurides* (*Sphaeridia*) *pumilis* Wray and Knowlton (2214) p. 5; Idaho.
1957. *Sminthurides* (*Sphaeridia*) *pumilio* Bodvarsson (2252) p. 38; Iceland.
1957. *Sphaeridia pumilio* Delamare Deboutteville and Bassot (592) p. 77; Madeira.
1958. *Sminthurides* (*Sphaeridia*) *pumilio* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurides* (*Stenacidia*) *pumilio* Grindbergs (2277) p. 203; Latvia.
1958. *Sminthurides pumilis* Holler-Land (2283) p. 110; Ecology.
1958. *Sminthurides* (*Sphaeridia*) *pumilis* Palissa (2318) p. 467; Germany.
1958. *Sminthurides* (*Sphaeridia*) *pumilis* von Torne (1993) p. 673; Austria.
1959. *Sphaeridia pumilis* Da Gama (494) p. 36; Madeira.
1959. *Sphaeridia pumilis* Da Gama (2266) p. 26; Portugal.
1959. *Sminthurides pumilis* Haybach (2375) Tab. VIII; Ecology.
1959. *Sminthurides* (*Sphaeridia*) *pumilis* Jeannenot (2287) p. 1–, figs. 1–7; France.
1959. *Sminthurides* (*Sphaeridia*) *pumilis* Palissa (2319) p. 278–; Ecology.
1959. *Sminthurides pumilis* Poole (1604) p. 76–; Food of Collembola.
1959. *Sphaeridia pumilis* Stach (1896) p. 49; Poland
1959. *Sminthurides* (*Sphaeridia*) *pumilis* Wilkey (2350) p. 224; California.
1960. *Sminthurides pumilio* Bodvarsson (2412) p. 174; Faroes.
1960. *Sminthurides pumilis* Gisin (2271) p. 265, fig. 483; Cosmopolite.
1960. *Sminthurides pumilis* Grindbergs (2373) p. 55, U.S.S.R.
1960. *Sminthurides* (*Sphaeridia*) *pumilis* Palissa (2319) p. 393; Systematics and Ecology.

Sphaeridia serrata Folsom and Mills, 1938

TYPE, COTYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1938. *Sminthurides* (*Sphaeridia*) *serratus* Folsom & Mills (807) p. 268, Pl. IX, figs. 103, 107; U.S.A.
1942. *Sminthurides* (*Sphaeridia*) *serratus* Brimley (276) p. 4; Nth. Carolina.
1942. *Sminthurides* (*Sphaerides*) *serratus* Mills (1423) p. 4; Nth. Carolina.
1954. *Sminthurides* (*Sphaeridia*) *serratus* Bellinger (174) p. 26–; Connecticut.
1956. *Sminthurides* (*Sphaeridia*) *serratus* Stach (1894) p. 52; Taxonomy.
1960. *Sphaeridia serratus* Jeannenot (2287) p. 6–; Systematic.

Sphaeridia serrata brevipila Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Sminthurides* (*Sphaeridia*) *serratus brevipila* Murphy (2385) p. 568, figs. 36, 42; Gambia.

Sphaeridia tunicata Yosii, 1954

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1954. *Sphaeridia tunicata* Yosii (2231) p. 816, fig. 31; Japan.
1956. *Sphaeridia tunicata* Stach (1894) p. 53; Taxonomy.

Tribe: ARRHOPALITINI Stach, 1956 (1894) p. 6.

Genus: PSEUDARRHOPALITES Stach, 1945 (1882) p. 7.
Type species fixed: *P. diversus* (Mills) by Stach, 1956 (1894) p. 62.

Pseudarrhopalites diversus (Mills) 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Arrhopalites diversus* Mills (1417) p. 93, figs. 158–161; Iowa.
1945. *Arrhopalites diversus* Stach (1882) p. 6; Taxonomy.
1954. *Arrhopalites diversus* Bellinger (174) p. 26–; Connecticut.
1956. *Pseudarrhopalites diversus* Stach (1894) p. 62; Systematics.

Genus: ARRHOPALITES Börner, 1906 (243) p. 182.
Type species fixed: *A. caecus* (Tullberg) by Börner, 1906 (243) p. 182.

Arrhopalites acanthophthalmus Gisin, 1958

TYPE: Mus. Hist. Natur., Geneva.
1958. *Arrhopalites acanthophthalmus* Gisin (903) p. 773, figs. 1–3; Spain.
1960. *Arrhopalites acanthophthalmus* Gisin (2271) p. 271, figs. 496–498; Spain.

Arrhopalites adelaidica Womersley, 1933

TYPE, COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Arrhopalites adelaidica* Womersley (2174) p. 241–; fig. 1; Australia.
1939. *Arrhopalites adelaidica* Womersley (2190) p. 228, fig. 67 C-G; Sth. Australia.
1956. *Arrhopalites adelaidica* Stach (1894) p. 72; Taxonomy.

Arrhopalites aggtelekiensis (Stach) 1929

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1929. *Arrhopalites pygmaeus aggtelekiensis* Stach (1869) p. 308; Hungary.
1931. *Arrhopalites pygmaeus aggtelekiensis* Bonet (205) p. 391; Hungary, in caves.
1945. *Arrhopalites aggtelekiensis* Stach (1882) p. 19, Pl. 4; Hungary, caves.
1956. *Arrhopalites aggtelekiensis* Stach (1894) p. 66; Hungary.
1960. *Arrhopalites aggtelekensis* Gisin (2271) p. 272; Hungary.

Arrhopalites antrobius (Yosii) 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Arrhopalites* (*Coecarrhopalites*) *antrobius* Yosii (2232) p. 20, figs. 42–48; Japan.
1956. *Arrhopalites antrobius* Stach (1894) p. 65; Japan.
1956. *Arrhopalites* (*Coecarrhopalites*) *antrobius* Yosii (2235) p. 101; Japan.

Arrhopalites aurantiaca Womersley, 1935

Slide labelled "syntypes"—nothing visible: Sth. Austr. Mus., Adelaide.
1935. *Arrhopalites aurantiaca* Womersley (2181) p. 218, fig. 5 f-h; Australia.
1939. *Arrhopalites aurantiaca* Womersley (2190) p. 227, fig. 67 L-N; Sth. Australia.
1956. *Arrhopalites aurantiaca* Stach (1894) p. 71; Australia.

Arrhopalites bifidus Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1945. *Arrhopalites bifidus* Stach (1882) p. 34, Pl. IX, figs. 1–14; Europe.

1955. *Arrhopalites bifidus* Stach (1893) p. 183, fig. 554; Poland; Germany; France.
1956. *Arrhopalites bificus* Stach (1894) p. 83, Pl. XII, Poland; Russia.
1960. *Arrhopalites bifidus* Gisin (2271) p. 273, fig. 501; Germany; Ukraine.
1960. *Arrhopalites bifidus* Grindbergs (2373) p. 56; U.S.S.R.

Arrhopalites binoculatus (Börner) 1901

1901. *Sminthurinus binoculatus* Börner (232) p. 343, fig. 7; Germany.
1901. *Sminthurinus affinis* Börner (230) p. 710; Europe.
1902. *Sminthurinus binoculatus* Willem (2133) p. 283; Belgium.
1903. *Sminthurinus binoculatus* Börner (239) p. 163; Systematics.
1905. *Sminthurus* (*Sminthurinus*) *binoculatus* Becker (160) p. 93; Russia.
1907. *Sminthurinus pygmaeus* Absolon (23) p. 342; Europe.
1907. *Sminthurinus binoculatus* Axelson (83) p. 133; Finland.
1911. *Sminthurinus binoculatus* Axelson (1291) p. 25; Norway.
1912. *Arrhopalites binoculatus* Axelson (1292) p. 273, Pl. XVI, figs. 1–15; Diagnosis; Finland.
1920. *Arrhopalites pygmaeus* Stach (1859) p. 178; Poland.
1921. *Arrhopalites binoculatus* Bagnall (107) p. 14; England.
1922. *Arrhopalites binoculatus* Latzel (1250) p. 75; Austria.
1923. *Arrhopalites binoculatus* Brown (302) p. 263; England.
1924. *Arrhopalites binoculatus* Denis (614) p. 285; France.
1924. *Arrhopalites binoculatus* Handschin (981) p. 149; Switzerland.
1924. *Arrhopalites binoculatus* Houlbert (1078) p. 161; Europe.
1925. *Arrhopalites binoculatus* Denis (617) p. 212; Italy.
1926. *Arrhopalites binoculatus* Handschin (988) p. 34, fig. 24; Biology.
1927. *Arrhopalites binoculatus* Handschin (999) p. 298; Westfalian peat bogs.
1928. *Arrhopalites binoculatus* Handschin (1003) p. 133; East Prussia.
1931. *Arrhopalites binoculatus* Denis (638) p. 159; Costa Rica; Europe.
1934. *Arrhopalites binoculatus* Mills (1417) p. 93, figs. 163–166; Iowa; Canada; Europe.
1937. *Arrhopalites binoculatus* Denis (662) p. 3; Belgium.
1937. *Arrhopalites binoculatus* Kseneman (1217) p. 474; Carpathians.
1938. *Arrhopalites binoculatus* Kseneman (1220) p. 21; Europe.
1939. *Arrhopalites binoculatus* Womersley (2190) p. 226, fig. 67 R-W; Sth. Australia.
1942. *Arrhopalites binoculatus* Brimley (276) p. 4; Nth. Carolina.
1943. *Arrhopalites binoculatus* Gisin (853) p. 179; Switzerland.
1946. *Arrohopalites binoculatus* Delamare Deboutteville (542) p. 104; Portugal.
1951. *Arrhopalites binoculatus* Maynard (1393) p. 219, Pl. XXIX, fig. 381, Pl. XXVI, figs. 482–485; New York.
1951. *Arrhopalites binoculatus* Schaller (1746) p. 463; Ecology.
1952. *Arrhopalites binoculatus* Mihelcic (1406) p. 96; Ecology.
1953. *Arrhopalites binoculatus* Hammer (972) p. 58; North Canada; Alaska.
1954. *Arrhopalites binoculatus* Bellinger (174) p. 26–; Connecticut.
1954. *Arrhopalites binoculatus* Yosii (2231) p. 817, fig. 32; Japan.
1955. *Arrhopalites binoculatus* Yosii (2233) p. 397; Tokara Islands.
1959. *Arrhopalites binoculatus* Strebel (2344) p. 92–; Germany.

Arrhopalites binoculatus cavernarum Bonet, 1928

1928. *Arrhopalites binoculatus cavernarum* Bonet (198) p. 258; Spain.
1929. *Arrhopalites binoculatus cavernarum* Bonet (199) p. 31; Spain.

Arrhopalites **binoculatus grisea** (Axelson) 1907

TYPE: Univ. Mus., Div. Ent., Helsinki.
1907. *Sminthurinus binoculatus grisea* Axelson (83) p. 133; Finland.
1912. *Arrhopalites binoculatus grisea* Axelson (1292) p. 275, Pl. XVI, figs. 10–15; Finland.
1924. *Arrhopalites binoculatus griseus* Houlbert (1078) p. 161; Europe.
1934. *Arrhopalites binoculatus grisea* Mills (1417) p. 93; North America; Europe.
1943. *Arrhopalites binoculatus grisea* Gisin (853) p. 179; Switzerland.
1944. *Arrhopalites binoculatus grisea* Gisin (854) p. 110; Switzerland.
1951. *Arrhopalites binoculatus grisea* Maynard (1393) p. 220; New York.

Arrhopalites binoculatus pallida Linnaniemi, 1912

TYPE: Univ. Mus., Div. Ent., Helsinki.
1912. *Arrhopalites binoculatus pallida* Linnaniemi (1292) p. 274; Finland.
1928. *Arrhopalites binoculatus pallida* Bonet (198) p. 258; Spain, in a cave.
1929. *Arrhopalites binoculatus pallida* Bonet (199) p. 31; Spain.
1937. *Arrhopalites binoculatus pallida* Kseneman (1217) p. 474; Carpathians.
1943. *Arrhopalites binoculatus pallida* Gisin (853) p. 179; Switzerland.
1959. *Arrhopalites binoculatus pallida* Strebel (2344) p. 94–; Germany.

Arrhopalites boneti Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1945. *Arrhopalites boneti* Stach (1882) p. 16, Pl. 3, figs. 1–9; Europe.
1956. *Arrhopalites boneti* Stach (1894) p. 66; Spain.
1960. *Arrhopalites boneti* Gisin (2271) p. 272; Spain.

Arrhopalites caecus (Tullberg) 1871

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1871. *Sminthurus caecus* Tullberg (2002) p. 146; Sweden.
1872. *Sminthurus caecus* Tullberg (2003) p. 33, Pl. III, figs. 24–25; Sweden.
1876. *Sminthurus caecus* Reuter (1628) p. 80; Finland.
1890. *Sminthurus caecus* Reuter (1638) p. 19; Finland.
1890. *Sminthurus caecus* Uzel (2050) p. 36; Bohemia.
1893. *Sminthurus caecus* Schött (1765) p. 38; Bohemia.
1895. *Sminthurus caecus* Reuter (1643) p. 13; Finland; Sweden.
1896. *Smynthurus benitus* Folsom (772) p. 446, Pl. 10, fig. 5; Massachusetts.
1896. *Sminthurus caecus* Lie-Pettersen (1281) p. 10; Norway; Sweden; Finland.

1896. *Sminthurus caecus* Schaeffer (1735) p. 208; Germany.
1897. *Smynthurus caecus* Carpenter (365) p. 227, Pl. 2, figs. 11–15; Ireland.
1898. *Sminthurus caecus* Scherbakow (1750) p. 60; Kiev.
1901. *Sminthurinus coecus* Börner (232) p. 344; Europe.
1901. *Sminthurinus caecus* Börner (234) p. 100; Europe.
1901. *Sminthurus caecus* Evans (739) p. 155; Scotland.
1901. *Sminthurus caecus* Krausbauer (1204) p. 43, fig. 11; Germany.
1902. *Sminthurus caecus* Carpenter (371) p. 658; Ireland, in caves.
1902. *Sminthurus caecus* Schött (1772) p. 37; Sweden.
1903. *Sminthurus caecus* Ågren (55) p. 162; Sweden.
1903. *Sminthurus caecus* Guthrie (951) p. 49, Pl. IV, fig. 13, Pl. V, figs. 1-4; Minnesota.
1906. *Sminthurinus caecus* Axelson (82) p. 21; Russia.
1906. *Arrhopalites coecus* Börner (243) p. 182.
1906. *Sminthurinus caecus* Wahlgren (2080) p. 267; Systematics; Sweden.
1907. *Sminthurinus caecus* Axelson (83) p. 133; Finland.
1910. *Sminthurinus caecus* Bagnall (102) p. 507; Britain.
1910. *Arrhopalites caecus* Collinge and Shoebotham (472) p. 122; England.
1911. *Sminthurinus caecus* Axelson (1291) p. 24; Norway.
1912. *Arrhopalites caecus* Axelson (1292) p. 271, Pl. XV, figs. 23–31; Finland.
1914. *Arrhopalites caecus* Shoebotham (1820) p. 64; Ireland.
1924. *Arrhopalites coecus* Houlbert (1078) p. 159; Europe.
1926. *Arrhopalites coecus* Brown (307) p. 334; England.
1926. *Arrhopalites coecus* Handschin (995) p. 136; Italy, subterranean.
1929. *Arrhopalites coecus* Edwards (715) p. 312–; **Ecology.**
1929. *Arrhopalites coecus* Handschin (1008) p. 111, figs. 202, 203; North and Middle Europe; North America.
1929. *Sminthurus caecus* Thomas (1967) p. 224; Ecology.
1930. *Sminthurus caecus* Kel'shtein (1161) p. 78; Russia.
1930. *Arrhopalites caecus* Womersley (2168) p. 193; Ireland.
1932. *Arrhopalites coecus* Denis (641) p. 380; France.
1932. *Arrhopalites coecus* Womersley (2182) p. 17, fig. 4 E-F; Australia.
1933. *Arrhopalites coecus* Turk (2007) p. 95; Britain.
1934. *Arrhopalites coecus* Davies (522) p. 123; Wales.
1934. *Arrhopalites coecus* Durkop (707) p. 510; Europe; North America.
1934. *Arrhopalites caecus* Mills (1417) p. 93, fig. 162; Iowa, U.S.A.; Europe.
1936. *Arrhopalites coecus* Stammer (1900) p. 211; Schneeberghohle.
1937. *Sminthurus caecus* Edinger (712) p. 8; **California.**
1937. *Arrhopalites coecus* Frenzel (828) p. 317; Ecology.
1937. *Arrhopalites coecus* Weidner (2107) p. 19; Central Europe.
1938. *Arrhopalites caecus* Brimley (275) p. 16; North Carolina.
1938. *Arrhopalites coecus* Denis (665) p. 165; Italy.
1939. *Arrhopalites caecus* Womersley (2190) p. 226, fig. 67 A-B; Australia.
1941. *Arrhopalites caecus* Agrell (46) p. 20; Swedish Lapland.
1942. *Arrhopalites coecus* Muhlmann (1467) p. 202; Europe.
1942. *Arrhopalites caecus* Scott (1796) p. 184; West U.S.A.
1943. *Arrhopalites caecus* Agrell (47) p. 126; Sweden.
1945. *Arrhopalites caecus* Agrell (50) p. 10; Sweden, mouse nests.
1945. *Arrhopalites caecus* Stach (1882) p. 9, Pl. I; Poland; Finland; Sweden; Germany; Hungary; E. Carpathian Mts., some in caves.
1948. *Arrhopalites coecus* Denis (677) p. 8, fig. 3 F-K; Corsica.
1948. *Arrhopalites caecus* Franz and Beier (821) p. 451–; Austria, Ecology.
1951. *Arrhopalites caecus* Maynard (1393) p. 219, Pl. XXVI, figs. 476–481; New York.
1951. *Arrhopalites caecus* Stach (1889) p. 27, fig. 14-E.
1953. *Arrhopalites caecus* Cassagnau and Delamare Deboutteville (426) p. 133; Reunion Island.
1953. *Arrhopalites caecus* Hazelton and Glennie (1037) p. 273; Britain.
1953. *Arrhopalites coecus* Weidner (2108) p. 35; Central Europe.
1954. *Arrhopalites coecus* Bellinger (174) p. 26–; Connecticut.
1955. *Arrhopalites coecus* Stach (1893) p. 182, figs. 546–549; Europe.
1955. *Arrhopalites coecus* Strenzke (1926) p. 49; Europe.
1956. *Arrhopalites caecus* Gisin (896) p. 8; Geneva.
1956. *Arrhopalites coecus* Paclt (1540) p. 355; Europe.
1956. *Arrhopalites caecus* Stach (1894) p. 73, Pl. IX; Poland; Russia; Scandinavia; Germany; Austria; Hungary.
1957. *Arrhopalites coecus* Bodvarsson (2252) p. 38; Iceland.
1957. *Arrhopalites coecus* Strebel (1920) p. 470.
1958. *Arrhopalites coecus* Grindbergs (2276) p. 77; Latvia.
1958. *Arrhopalites coecus* Grindbergs (2277) p. 203; Latvia.
1958. *Arrhopalites coecus* von Torne (1993) p. 673; Austria.
1959. *Arrhopalites coecus* Da Gama (494) p. 36; Madeira.
1959. *Arrhopalites coecus* Paclt (2317) p. 343; Czechoslovakia.
1959. *Arrhopalites caecus* Stach (1896) p. 49; Poland.
1960. *Arrhopalites caecus* Gisin (2271) p. 270; Europe.
1960. *Arrhopalites coecus* Grindbergs (2373) p. 56; U.S.S.R.

Arrhopalites caecus attenuatus (Carpenter) 1899

1899. *Sminthurus caecus attenuatus* Carpenter (402) p. 233, Pl. VII, figs. 9–13; Scotland.
1904. *Sminthurinus caecus attenuatus* Carpenter (403) p. 215; Britain.
1910. *Sminthurinus caecus attenuatus* Bagnall (102) p. 507; England.
1926. *Arrhopalites caecus attenuatus* Womersley (2153) p. 221; S.W. England.
1928. *Arrhopalites caecus attenuatus* Womersley (2154) p. 379; S.W. England.
1933. *Arrhopalites caecus attenuatus* Turk (2007) p. 95.

Arrhopalites canzianus Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1945. *Arrhopalites canzianus* Stach (1882) p. 28, Pl. VII, figs. 1–8; Europe.
1956. *Arrhopalites canzianus* Stach (1894) p. 68; Yugoslavia.
1950. *Arrhopalites canzianus* Gisin (2271) p. 276; Yugoslavia.

Arrhopalites chopardi Cassagnau and Delamare Deboutteville, 1954

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, and Univ. Nancy, France.
1954. *Arrhopalites Chopardi* Cassagnau and Delamare Deboutteville (428) p. 388, figs. 13, 14; Lebanon.
1956. *Arrhopalites chopardi* Stach (1894) p. 67; Lebanon.
1960. *Arrhopalites chopardi* Gisin (2271) p. 273; Lebanon.

Arrhopalites coccineus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Arrhopalites coccineus* Salmon (1676) p. 408, Pl. 70, figs. 484–487; New Zealand.
1956. *Arrhopalites coccineus* Stach (1894) p. 71; New Zealand.

Arrhopalites cochlearifer Gisin, 1947

TYPE: Mus. Hist. Natur., Geneva.
1947. *Arrhopalites cochlearifer* Gisin (866) p. 80; Switzerland.
1956. *Arrhopalites cochlearifer* Stach (1894) p. 69; Switzerland.
1960. *Arrhopalites cochlearifer* Gisin (2271) p. 276, figs. 506–507; Switzerland; Austria.

Arrhopalites drummondi Womersley, 1932

1932. *Arrhopalites drummondi* Womersley (2172) p. 18, fig. 4 G-K; Australia.
1939. *Arrhopalites drummondi* Womersley (2190) p. 226, fig. 67 H-K; Australia.
1956. *Arrhopalites drummondi* Stach (1894) p. 71; Australia.

Arrhopalites elegans Cassagnau and Delamare Deboutteville, 1953

TYPES: Auth. Collns., Fac. Sci., Univ. Toulouse, and Univ. Nancy, France.
1953. *Arrhopalites elegans* Cassagnau and Delamare Deboutteville (426) p. 138, fig. 5 A-D; Spain.
1956. *Arrhopalites elegans* Stach (1894) p. 68; Spain.
1959. *Arrhopalites elegans* Da Gama (2266) p. 27: Portugal.
1960. *Arrhopalites elegans* Gisin (2271) p. 274; Spain.

Arrhopalites ferrugineus (Packard) 1889

TYPE: Mus. Comp. Zool., Harvard.
1889. *Smynthurus ferrugineus* Packard (1527) p. 67, Pl. XVI, figs. 4, 4a, 4b, 4c; Nth. America.
1891. *Smynthurus ferrugineus* MacGillivray (1341) p. 271; Virginia, in caves.
1960. *Arrhopalites ferrugineus* Christiansen (2364) p. 40; Nth. America, caves.

Arrhopalites furcatus Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1945. *Arrhopalites furcatus* Stach (1882) p. 22, Pl. 5, figs. 1–12; Europe.
1956. *Arrhopalites furcatus* Stach (1894) p. 68; Spain.
1960. *Arrhopalites furcatus* Gisin (2271) p. 273, fig. 500; Spain.

Arrhopalites giovannensis Cassagnau and Delamare Deboutteville, 1953

TYPES: Authors' Collns., Fac. Sci., Univ. Toulouse and Univ. Nancy, France.
1953. *Arrhopalites giovannensis* Cassagnau & Delamare Deboutteville (426) p. 136, fig. 3 A-E; Italy, caves.
1956. *Arrhopalites giovannensis* Stach (1894) p. 67; Italy.
1960. *Arrhopalites giovannensis* Gisin (2271) p. 272; Sardinia.

Arrhopalites gisini Nosek, 1960

1960. *Arrhopalites gisini* Nosek (2389) p. 167; Germany.

Arrhopalites gloriosa Womersley, 1937

1937. *Arrhopalites gloriosa* Womersley (2188) p. 157, fig. 1 M-O; Australia.
1939. *Arrhopalites gloriosa* Womersley (2190) p. 228, fig. 67, O-Q; Australia.
1956. *Arrhopalites gloriosa* Stach (1894) p. 72; Australia.

Arrhopalites habei Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Arrhopalites habei* Yosii (2235) p. 98, Pl. XL, figs. 335–337; Pl. XLVIII, figs. 330–334; Japan.
1957. *Arrhopalites habei* Nomura (1499) p. 69; Japan.

Arrhopalites harveyi Denis, 1933

1933. *Arrhopalites harveyi* Denis (645) p. 285, figs. 101–107; Costa Rica.
1956. *Arrhopalites harveyi* Stach (1894) p. 64; Costa Rica.

Arrhopalites japonicus Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Arrhopalites japonicus* Yosii (2235) p. 99, Pl. L, fig. 344; Pl. IL, figs. 338–343; Japan.

Arrhopalites jeanneli Cassagnau and Delamare Deboutteville, 1954

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse and Univ. Nancy, France.
1954. *Arrhopalites jeanneli* Cassagnau & Delamare Deboutteville (428) p. 390, figs. 15, 16; Lebanon.
1956. *Arrhopalites jeanneli* Stach (1894) p. 69; Lebanon.
1960. *Arrhopalites jeanneli* Gisin (2271) p. 275; Lebanon.

Arrhopalites kilimandjaricus Wahlgren, 1908

1908. *Arrhopalites kilimandjaricus* Wahlgren (2086) Pl. I, figs. 13–15; Kilimanjaro.
1929. *Arrhopalites kilimandjarensis* Handschin (1007) p. 27; Kilimanjaro.
1956. *Arrhopalites kilimandjaricus* Stach (1894) p. 72; Taxonomy.

Arrhopalites longicornis Cassagnau and Delamare Deboutteville, 1953

PARATYPE: Brit. Mus. Nat. Hist., London.
1953. *Arrhopalites longicornis* Cassagnau & Delamare Deboutteville (426) p. 141, Pl. I A, fig. 6 A-G; France, in caves.
1956. *Arrhopalites longicornis* Stach (1894) p. 69; France.
1960. *Arrhopalites longicornis* Gisin (2271) p. 277; France.

Arrhopalites mammouthia (Banks) 1897

1897. *Smynthurus mammouthia* Banks (137) p. 381, Pl X, fig. 1; Kentucky.
1897. *Smynthurus mammouthia* Call (344) p. 377–; Kentucky.
1933. *Sminthurus mammouthia* Giovannoli (848) p. 615; Kentucky.
1960. *Arrhopalites mammouthia* Christiansen (2364) p. 40; Nth. America, caves.

Arrhopalites mauli Delamare Deboutteville and Bassot, 1957

TYPE: Del. Deb.'s Colln., Fac. Sci., Univ. Nancy, France.
1957. *Arrhopalites mauli* Delamare Deboutteville & Bassot (592) p. 78, fig. 2; Madeira.
1960. *Arrhopalites mauli* Gisin (2271) p. 273; Madeira.

Arrhopalites microphthalmus Cassagnau and Delamare Deboutteville, 1953

TYPE: Authors' Collns., Fac. Sci., Univ. Toulouse and Univ. Nancy, France.

1953. *Arrhopalites microphthalmus* Cassagnau & Delamare Deboutteville (426) p. 133, fig. 1 A-G; France.
1956. *Arrhopalites microphthalmus* Stach (1894) p. 67; France.
1960. *Arrhopalites microphthalmus* Gisin (2271) p. 271; France.

Arrhopalites ornatus Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1945. *Arrhopalites ornatus* Stach (1882) p. 24, Pl. 2, figs. 7–9; Europe.
1953. *Arrhapalites ornatus* Cassagnau & Delamare Deboutteville (426) p. 138, fig. 5 E-G; France, High Pyrenees (caves).
1956. *Arrhopalites ornatus* Stach (1894) p. 68; France; Spain.
1960. *Arrhopalites ornatus* Gisin (2271) p. 274; Pyrenees.

Arrhopalites postumicoides Cassagnau and Delamare Deboutteville, 1953

TYPE: Authors' Collns., Fac. Sci., Univ. Toulouse and Univ. Nancy, France.

1953. *Arrhopalites postumicoides* Cassagnau and Delamare Deboutteville (426) p. 137, fig. 4 A-E; France.
1956. *Arrhopalites postumicoides* Stach (1894) p. 67; France.
1960. *Arrhopalites postumicoides* Gisin (2271) p. 271, fig. 493; France.

Arrhopalites postumicus Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1945. *Arrhopalites postumicus* Stach (1882) p. 25, Pl. VI, figs. 1–9; Europe.
1956. *Arrhopalites postumicus* Stach (1894) p. 68; Yugoslavia.
1960. *Arrhopalites postumicus* Gisin (2271) p. 276; Yugoslavia.

Arrhopalites principalis (Linnaniemi, 1912), Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1912. *Arrhopalites binoculatus* Linnaniemi (1292) p. 273; Finland.
1945. *Arrhopalites principalis* Stach (1882) p. 37, Pl. X, figs. 1–7; Europe.
1947. *Arrhopalites principalis* Gisin (866) pp. 80, 88, fig. 2; Switzerland.
1951. *Arrhopalites principalis* Gisin (877) p. 85; Switzerland.
1953. *Arrhopalites principalis* Cassagnau & Delamare Deboutteville (426) p. 138; France, High Pyrenees; Greenland.
1955. *Arrhopalites principalis* Murphy (1474) p. 160; Ecology.
1955. *Arrhopalites principalis* Stach (1893) p. 182, figs. 550, 551; Poland.
1956. *Arrhopalites principalis* Bockemuhl (193) p. 148; Spitzbergen.
1956. *Arrhopalites principalis* Stach (1894) p. 87, Pl. XIII; Poland; Ukraine; Germany; Slovakia.
1958. *Arrhopalites principalis* von Torne (1993) p. 673; Austria.
1959. *Arrhopalites principalis* Stach (1896) p. 50; Poland.
1960. *Arrhopalites principalis* Gisin (2271) p. 274; Europe; Greenland.
1960. *Arrhopalites principalis* Grindbergs (2373) p. 57; U.S.S.R.
1960. *Arrhopalites principalis* Murphy (2387) p. 61; Britain.

Arrhopalites pygmaeus (Wankel) 1861

1861. *Dicyrtoma pygmaea* Wankel (2101) p. 256; Austria.
1918. *Arrhopalites pygmaeus* Stach (1858) p. 208, figs. 6–12; Poland, in caves.
1922. *Arrhopalites pygmaeus* Stach (1860) p. 55; Hungary.
1928. *Arrhopalites pygmaeus* Kuhnelt (1224) p. 55; Ecology.
1929. *Arrhopalites pygmaeus* Handschin (1008) p. 112, figs. 204, 205; Europe.
1930. *Arrhopalites pygmaeus* Stach (1869) p. 307; Europe; Nth. America.
1930. *Sminthurus binoculatus* Stach (1869) p. 307; Synonymy.
1931. *Arrhopalites pygmaea* Bonet (205) p. 368, fig. 31; Description.
1931. *Arrhopalites pygmaeus* Bonet (205) p. 391; Poland, Czechoslovakia; Hungary; Belgium; France; Spain, in caves; Germany.
1932. *Arrhopalites pygmaeus* Stammer (1897) p. 611–; Ecology.
1933. *Arrhopalites pygmaeus* Griepenburg (940) p. 29; Germany.
1933. *Arrhopalites pygmaeus* Schubert (1787) p. 262; Ecology.
1934. *Arrhopalites pygmaeus* Agrell (37) p. 234; Sweden; Ecology.
1934. *Arrhopalites pygmaeus* Griepenburg (941) p. 37; Germany.
1935. *Arrhopalites pygmaeus* Griepenburg (942) p. 22; Germany.
1935. *Arrhopalites pygmaeus pallida* Pax & Maschke (1573) p. 18; Europe.
1935. *Arrhopalites pygmaeus* Schubert (1790) p. 94; Europe.
1937. *Arrhopalites pygmaeus* Frenzel (828) p. 314; Ecology.
1937. *Arrhopalites pygmaeus* Hammer (966) p. 10; East Greenland.
1938. *Arrhopalites pygmaeus* Hammer (968) p. 28; East Greenland.
1938. *Arrhopalites pygmaeus* Lengersdorf (1276) p. 147; Germany.
1939. *Arrhopalites pygmaea* Agrell (44) p. 168; Sweden.
1939. *Arrhopalites pygmaeus* Griepenburg (943) p. 21; Germany.
1939. *Arrhopalites pygmaeus* Griepenburg (944) p. 77; Germany.
1939. *Arrhopalites pygmaeus* Stach (1881) p. 398; Glatzer, Schneeberges, caves.
1941. *Arrhopalites pygmaea* Agrell (46) p. 20; Swedish Lapland.
1941. *Arrhopalites pygmaeus* Griepenburg (945) p. 57; Germany.
1942. *Arrhopalites pygmaeus* Brown (319) p. 135; Britain.
1942. *Arrhopalites pygmaeus* Marlier (1375) p. 10; Belgium.
1942. *Arrhopalites pygmaeus* Muhlmann (1467) p. 195; Europe.
1943. *Arrhopalites pygmaea* Agrell (47) p. 126; Sweden.

1944. *Arrhopalites pygmaeus* Hammer (969) p. 61; Nth. America; Greenland; Spitzbergen; Lapland; Finland; Europe.
1945. *Arrhopalites pygmaeus* Stach (1882) p. 30, Pl. 8; Poland; Germany; Austria; Hungary.
1946. *Arrhopalites binoculatus* Delamare Deboutteville (542) p. 104, fig. 2G; Portugal.
1947. *Arrhopalites pygmaeus* Gisin (866) pp. 80, 90; Switzerland; Diagnosis.
1948. *Arrhopalites pygmaeus* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Arrhopalites pygmaeus* Cassagnau & Delamare Deboutteville (593) p. 3; Mid. France.
1951. *Arrhopalites pygmaeus* Schaller (1746) p. 492; Ecology.
1953. *Arrhopalites pygmaeus* Cassagnau & Delamare Deboutteville (426) p. 140; France, in caves; Oriental Pyrenees.
1953. *Arrhopalites subboneti* Cassagnau & Delamare Deboutteville (426) p. 135, fig. 2; France.
1953. *Arrhopalites pygmaeus* Hazelton & Glennie (1037) p. 273; Britain.
1954. *Arrhopalites pygmaeus* Travé (2000) p. 211; France.
1955. *Arrhopalites pygmaeus* Stach (1893) p. 183, figs. 552–553; Europe.
1956. *Arrhopalites pygmaeus* Stach (1894) p. 78; Pls. X, XI; Poland.
1957. *Arrhopalites pygmaeus* Paclt (1543) p. 2–; Europe.
1957. *Arrhopalites pygmaeus* Paclt (1544) p. 273; Czechoslovakia.
1958. *Arrhopalites pygmaeus* von Torne (1993) p. 673; Austria.
1959. *Arrhopalites pygmaeus* Haybach (2375) Tab. VIII; Ecology.
1959. *Arrhopalites pygmaeus* Lawrence (2294) p. 117–; England.
1959. *Arrhopalites pygmaeus* Loksa (2297) p. 70; Hungary.
1959. *Arrhopalites pygmaeus* Stach (1896) p. 50; Poland.
1960. *Arrhopalites pygmaeus* Delamare Deboutteville (2367) p. 530; East Pyrenees.
1960. *Arrhopalites pygmaeus* Delamare Deboutteville (2418) p. 530; France.
1960. *Arrhopalites pygmaeus* Gisin (2270) p. 96; Central Europe.
1960. *Arrhopalites pygmaeus* Gisin (2271) p. 277, fig. 509; Europe.
1960. *Arrhopalites pygmaeus* Grindbergs (2373) p. 57; U.S.S.R.

Arrhopalites pygmaeus grisea (Axelson) 1907

TYPE: Univ. Mus., Div. Ent., Helsinki.
1907. *Sminthurinus binoculatus grisea* Axelson (83) p. 133; Finland.
1958. *Arrhopalites pygmaeus grisea* Grindbergs (2276) p. 77; Latvia.
1959. *Arrhopalites pygmaeus grisea* Grindbergs (2277) p. 204; Latvia.

Arrhopalites pygmaeus pallida (Linnaniemi) 1912

TYPE: Univ. Mus., Div. Ent., Helsinki.
1912. *Arrhopalites binoculatus pallida* Linnaniemi (1292) p. 274; Finland.
1935. *Arrhopalites pygmaeus pallida* Pax & Maschke (1573) p. 12–; Europe.
1942. *Arrhopalites pygmaeus pallida* Muhlman (1467) p. 193–; Europe.
1949. *Arrhopalites pygmaeus pallida* Strenzke (1922) p. 208; Germany; Ecology.
1958. *Arrhopalites pygmaeus pallida* Grindbergs (2276) p. 77; Latvia.
1958. *Arrhopalites pygmaeus pallida* Grindbergs (2277) p. 203; Latvia.

Arrhopalites quadrioculatus Denis, 1933

1933. *Arrhopalites quadrioculatus* Denis (645) p. 284, figs. 98–101; Costa Rica.
1956. *Arrhopalites quadrioculatus* Stach (1894) p. 70; Costa Rica.

Arrhopalites remyi Denis, 1948

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1948. *Arrhopalites remyi* Denis (677) p. 5, fig. 3 a-e; Corsica.
1956. *Arrhopalites remyi* Stach (1894) p. 72; Discussion.
1960. *Arrhopalites remyi* Gisin (2271) p. 270; Corsica.

Arrhopalites secundarius Gisin, 1958

TYPE: Mus. Hist. Natur., Geneva.
1958. *Arrhopalites secundarius* Gisin (903) p. 776, figs. 5–6; France; Switzerland.
1960. *Arrhopalites secundarius* Gisin (2271) p. 275, figs. 502, 503; France; Switzerland.

Arrhopalites sericus Gisin, 1947

TYPE: Mus. Hist. Natur., Geneva.
1947. *Arrhopalites sericus* Gisin (866) p. 89; Switzerland.
1953. *Arrhopalites sericus* Cassagnau & Delamare Deboutteville (426) p. 139, fig. 3 F-H; France, in caves.
1954. *Arrhopalites sericus* Travé (2000) p. 211; France.
1956. *Arrhopalites sericus* Bockemuhl (193) p. 149; Spitzbergen.
1956. *Arrhopalites sericus* Stach (1894) p. 70; Switzerland.
1958. *Arrhopalites sericus* von Torne (1993) p. 673; Austria.
1960. *Arrhopalites sericus* Gisin (2271) p. 275, figs. 62, 504, 504; Britain.

Arrhopalites subbifidus Travé and Delamare Deboutteville, 1954

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1954. *Arrhopalites subbifidus* Travé & Delamare Deboutteville (2000) p. 213, fig. 4; France.
1960. *Arrhopalites subbifidus* Gisin (2271) p. 273; France.

Arrhopalites subbinoculatus Denis, 1933

1933. *Arrhopalites sub-binoculatus* Denis (645) p. 287, figs. 108–112; Costa Rica.
1956. *Arrhopalites sub-binoculatus* Stach (1894) p. 71; Costa Rica.

Arrhopalites subboneti Cassagnau and Delamare Deboutteville, 1953

TYPES: Authors' Collns., Fac. Sci., Univ. Toulouse and Univ. Nancy, France.
1953. *Arrhopalites subboneti* Cassagnau & Delamare Deboutteville (426) p. 135, fig. 2 A-E; France, in caves.
1956. *Arrhopalites subboneti* Stach (1894) p. 67; France.
1960. *Arrhopalites subboneti* Gisin (2271) p. 272, fig. 499; France.

Arrhopalites subquadrioculatus Denis, 1948

1948. *Arrhopalites subquadrioculatus* Denis (676) p. 289, fig. 36; Indo-China.
1956. *Arrhopalites subquadrioculatus* Stach (1894) p. 71; Indo-China.

Arrhopalites tenuis Stach, 1945

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1945. *Arrhopalites tenuis* Stach (1882) p. 14, Pl. 2, figs. 1–6; Europe.
1956. *Arrhopalites tenuis* Stach (1894) p. 65; Germany.
1960. *Arrhopalites tenuis* Gisin (2271) p. 270; Germany.

Arrhopalites terricola Gisin, 1958

TYPE: Mus. Hist. Natur., Geneva.
1958. *Arrhopalites terricola* Gisin (903) p. 774, fig. 4; Switzerland.
1960. *Arrhopalites terricola* Gisin (2271) p. 277, fig. 508; Switzerland.

Arrhopalites uenoi Yosii, 1956

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1956. *Arrhopalites uénoi* Yosii (2235) p. 100, Pl. L, figs. 345–355; Japan.

Arrhopalites violaceus Handschin, 1930

1930. *Arrhopalites violaceus* Handschin (1009) p. 422, Pl. 4, figs. 35–37; Philippines.
1956. *Arrhopalites violaceus* Stach (1894) p. 72; Discussion.

Arrhopalites whitesidei Jacot, 1938

1938. *Arrhopalites whitesidei* Jacot (1122) p. 572, fig. 2; Connecticut.

Genus: PARARRHOPALITES Bonet and Tellez, 1947 (223) p. 193.

Type species fixed: *P. anops* by Bonet & Tellez, 1947 (223) p. 193.

Pararrhopalites anops Bonet and Tellez, 1947

1947. Pararrhopalites anops Bonet & Tellez (223) p. 194, Pls. XXII, XXIII, figs. 1–16; Mexico.

Pararrhopalites oculatus Bonet and Tellez, 1947

1947. *Pararrhopalites oculatus* Bonet & Tellez (223) p. 198, figs. 17–19; Mexico.

Tribe: KATIANNINI Börner, 1913 (249) p. 321

Genus: SMINTHURINUS Börner, 1901 (234) p. 99.
= *Smynthurella* Houlbert, 1924 (1078) pp. 44, 157.

Type species fixed: *S. niger* (Lubbock) by Börner, 1906 (243) p. 182.

Sminthurinus affinis Börner, 1901

1901. *Sminthurinus affinis* Börner (229) p. 710; Germany.
1902. *Sminthurinus affinis* Willem (2133) p. 283; Belgian caves.

Sminthurinus albifrons (Tullberg) 1871

1871. *Sminthurus albifrons* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus albifrons* Tullberg (2003) p. 32, Pl. III, figs. 19–20; Sweden.
1893. *Sminthurus albifrons* Schött (1765) p. 30; Scandinavia.
1906. *Sminthurinus albifrons* Wahlgren (2080) p. 267; Sweden.
1907. *Sminthurinus albifrons* Axelson (83) p. 133; Finland.
1911. *Sminthurinus albifrons* Axelson (1291) p. 26; Norway.
1912. *Sminthurinus albifrons* Axelson (1292) p. 277; Finland.
1921. *Sminthurinus albifrons* Bagnall (107) p. 14; England.
1929. *Sminthurinus albifrons* Handschin (1008) p. 114, fig. 206; Sweden; Finland.
1928. *Sminthurinus albifrons* Jackson (1121) p. 303; Britain.
1943. *Sminthurinus albifrons* Agrell (47) p. 126; Sweden.
1956. *Sminthurinus albifrons* Stach (1894) p. 105; Scandinavia.
1958. *Sminthurinus albifrons* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurinus albifrons* Grindbergs (2277) p. 204; Latvia.
1960. *Sminthurinus albifrons* Gisin (2271) p. 280; Scandinavia.
1960. *Sminthurinus albifrons* Grindbergs (2373) p. 58; U.S.S.R.

Sminthurinus aureus (Lubbock) 1862

COTYPE: Swed. Mus. Nat. Hist., Stockholm.
1862. *Smynthurus aureus* Lubbock (1315) p. 589, Pl. LIX, figs. 1–3; Kent, England.
1870. *Smynthurus* Lubbock (1317) p. 280; Switzerland.
1871. *Sminthurus quadrilineatus* Tullberg (2002) p. 146; Sweden.
1872. *Sminthurus aureus* Tullberg (2003) p. 32; Sweden.
1873. *Smynthurus aureus* Lubbock (1318) p. 112, Pl. VII; England.
1883. *Sminthurus aureus* Tomosvary (1984) p. 34; Hungary.
1890. *Smynthurus aureus* Uzel (2050) p. 36; Bohemia.
1891. *Sminthurus aureus* Reuter (1639) p. 232.
1893. *Sminthurus aureus* Schött (1765) p. 31; Sweden; England.
1896. *Smynthurus henshawi* Folsom (772) p. 449; Massachusetts.
1896. *Sminthurus aureus* Lie-Pettersen (1281) p. 10; Norway.
1899. *Sminthurus aureus* Carl (352) p. 354; Switzerland.
1900. *Sminthurus aureus* Börner (228) p. 615; Systematics.
1900. *Sminthurus aureus principalis* Borner (228) p. 615; Systematics.
1900. *Smynthurus aureus* Vellay (2056) p. 20; Hungary.
1901. *Sminthurinus aureus* Börner (234) p. 103; Central Europe.
1901. *Sminthurus aureus* Carl (354) p. 276; Switzerland.
1901. *Sminthurus aureus* Krausbauer (1203) p. 44, figs. 12–17, Pl. I, figs. 16–17; Germany.
1901. *Sminthurus aureus* Krausbauer (1204) p. 44, figs. 12–17, Pl. I; Germany.
1901. *Sminthurus aureus principalis* Krausbauer (1204) p. 45; Germany.
1902. *Sminthurus aureus* Becker (158) p. 21; Russia.
1902. *Sminthurus aureus* Schött (1772) p. 38; Sweden.
1903. *Sminthurus aureus* Ågren (55) p. 162; Sweden.
1903. *Sminthurus aureus* Diem (688) p. 361; Ecology.
1903. *Sminthurus aureus* Guthrie (951) p. 43, Pl. V, figs. 5–9; Minnesota.
1904. *Sminthurinus aureus* Axelson (79) p. 80; Norway.
1905. *Sminthurinus aureus* Axelson (81) p. 41; Finland.
1906. *Sminthurinus aureis* Wahlgren (2080) p. 267; Sweden.
1907. *Sminthurinus aureus* Axelson (83) p. 133; Finland.
1908. *Sminthurus aureus* Schille (1755) p. 15; Poland.
1910. *Sminthurinus aureus* Bagnall (102) p. 507; Britain.
1910. *Sminthurinus aureus* Collinge (464) p. 13; England.
1910. *Sminthurinus aureus* Collinge & Shoebotham (472) p. 122; England.
1912. *Sminthurinus aureus* Axelson (1292) p. 279; Finland.

1912. *Sminthurus aureus* Schille (1756) p. 15; Galizien.
1914. *Sminthurinus aureus* Shoebotham (1820) p. 64; Ireland.
1915. *Sminthurinus aureus* Ionesco (1105) p. 224; Rumania.
1916. *Sminthurinus aureus* Ionesco (1106) p. 497, fig. 12; Rumania.
1917. *Sminthurinus aureus* Latzel (1249) p. 249; Austria, Alps.
1917. *Sminthurinus aureus punctiformis* Latzel (1249) p. (249); Austria.
1918. *Smynthurus aureus* Vellay (2058) p. 20; Hungary.
1919. *Sminthurinus aureus* Brown (296) p. 65; England.
1919. *Sminthurus aureus* McNamara (1360) p. 243.
1920. *Sminthurinus aureus* Ionesco (1107) p. 26; Rumania.
1921. *Sminthurus aureus* Denis (607) p. 132; France.
1921. *Sminthurus aureus* Stach (1859) p. 198; Poland; Europe; North America.
1922. *Sminthurus aureus* Denis (609) p. 112; Ile de Yeu; France.
1922. *Sminthurinus aureus* Latzel (1250) p. 74; Austria, Alps.
1922. *Sminthurinus aureus punctiformis* Latzel (1250) p. 74; Austria.
1922. *Sminthurinus aureus* Stach (1860) p. 55; Hungary.
1923. *Sminthurinus aureus* Brown (302) p. 263; England.
1923. *Sminthurinus aureus* Womersley (2147) p. 35; England.
1924. *Sminthurinus aureus* Denis (614) p. 294; France.
1925. *Sminthurinus aureus* Womersley (2148) p. 170; S.W. England.
1927. *Sminthurinus aureus* Denis (629) p. 206; Italy.
1927. *Sminthurinus aureus* Handschin (999) p. 298; Westfalian peat bogs.
1928. *Sminthurinus aureus* Handschin (1002) p. 546; Mexico.
1928. *Sminthurinus aureus* Krausse (1206) p. 117; Ecology.
1929. *Sminthurus aureus* Edwards (715) p. 312–; Ecology.
1929. *Sminthurinus aureus* Handschin (1008) p. 113; Middle and Nth. Europe; Nth. America.
1930. *Sminthurus aureus* Mills (1413) p. 200–; Iowa.
1930. *Sminthurinus aureus* Stach (1869) p. 308; Europe; Nth. America.
1931. *Sminthurinus aureus* Denis (639) p. 232; Germany.
1932. *Sminthurinus aureus* Kseneman (1211) p. 22; Czechoslovakia.
1932. *Sminthurus aureus* Maynard (1391) p. 220; New York.
1933. *Sminthurinus aureus* James (1124) p. 111; Canada.
1933. *Sminthurinus aureus* Turk (2007) p. 95; Britain.
1934. *Sminthurinus aureus* Durkop (707) p. 510; Finland.
1934. *Sminthurinus aureus* Folsom (803) p. 463, Pl. V, figs. 32–38; Pl. VI, figs. 39–44; Nth. America.
1934. *Sminthurinus aureus* Mills (1417) p. 95, fig. 168; Iowa.
1934. *Sminthurinus aureus novus* Mills (1417) p. 96; Iowa.
1934. *Sminthurinus aureus* Volz (2069) p. 170; Ecology.
1937. *Sminthurus aureus* Edinger (712) p. 7; California.
1937. *Sminthurinus aureus* Kseneman (1217) p. 473; Carpathians.
1938. *Sminthurinus aureus* Brimley (275) p. 16; Nth. Carolina.
1938. *Sminthurinus aureus novus* Brimley (275) p. 16; Nth. Carolina.
1938. *Sminthurus aureus* Mills (1421) p. 16; Nth. Carolina.
1939. *Sminthurinus aureus* Agrell (41) p. 6; Madeira Is.; Palearctic; Nearctic.
1939. *Sminthurinus aureus* Womersley (2190) p. 229; fig. 68 A-E; Queensland.
1941. *Sminthurinus aureus* Buitendijk (336) p. 83; Netherlands.
1941. *Sminthurinus aureus* Salmon (1676) p. 410, figs. 491–494; New Zealand.
1941. *Sminthurinus aureus purpureus* Salmon (1676) p. 410; New Zealand.
1942. *Sminthurus aureus* Caspers (408) p. 150; Helgoland.
1942. *Sminthurus quadrilineatus* Caspers (408) p. 150; Helgoland.
1942. *Sminthurinus* Scott (1796) p. 184; West U.S.A.
1943. *Sminthurinus aureus* Agrell (47) p. 126; Sweden.
1943. *Sminthurinus aureus* Gisin (853) p. 180; Switzerland.
1944. *Sminthurinus aureus* Gisin (855) p. 31, fig. 21; Discussion.
1944. *Sminthurinus aureus* Tuxen (2010) p. 181; Iceland.
1946. *Sminthurinus aureus* Pearse (1575) p. 139; Ecology.
1948. *Sminthurinus aureus* Gisin (867) p. 89; Switzerland.
1948. *Sminthurinus aureus* Gisin (869) p. 497; Switzerland; Ecology.
1948. *Sminthurinus aureus* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1949. *Sminthurinus aureus* Strenzke (1922) p. 208; Germany; Ecology.
1950. *Sminthurus aureus* Delamare Deboutteville (570) p. 44; France.
1951. *Sminthurus aureus* Cassagnau & Delamare Deboutteville (593) p. 3; Mid. France.
1951. *Sminthurinus aureus* Maynard (1393) p. 233, Pl. XXIII, fig. 410; New York.
1951. *Sminthurinus aureus* Schaller (1746) p. 463; Ecology.
1951. *Sminthurinus aureus* Wilkey (2120) p. 79; Colorado.
1952. *Sminthurinus aureus* Uchida (2027) p. 32; Japan.
1955. *Sminthurinus aureus* Goto (921) p. 268; Britain.
1955. *Sminthurinus aureus* Stach (1893) p. 183; Europe; America.
1955. *Sminthurinus aureus* Strenzke (1926) p. 49; Europe.
1955. *Sminthurinus aureus* Uchida (2034) p. 200; Japan.
1956. *Sminthurinus aureus* Bockemuhl (193) p. 149; Spitzbergen.
1956. *Sminthurinus aureus* Gisin (896) p. 8; Geneva.
1956. *Sminthurus aureus* Mayer (1389) p. 137; Reproduction.
1956. *Sminthurinus aureus Stach* (1894) p. 118, Pl. XII, figs. 4–11; Poland; Ukraine; Asia Minor; Hungary; Austria; Slovakia.
1956. *Sminthurinus aureus* von Torne (1990) p. 500; Europe.
1957. *Sminthurinus aureus* Haarlov (2281) p. 15; Denmark, habitat.
1957. *Sminthurinus aureus* Mayer (1390) p. 503, fig. 40; Biology.
1957. *Sminthurinus aureus* Strebel (1920) p. 470.

1958. *Sminthurinus aureus* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurinus aureus* Grindbergs (2277) p. 204; Latvia.
1958. *Sminthurinus aureus* Holler-Land (2283) p. 110; Ecology.
1958. *Sminthurinus aureus* Palissa (2318) p. 467; Germany.
1958. *Sminthurinus aureus* von Torne (1993) p. 673; Austria.
1959. *Sminthurinus aureus* Haybach (2375) Tab. VIII; Ecology.
1959. *Sminthurinus aureus* Paclt (2317) p. 343; Czechoslovakia.
1959. *Sminthurinus aureus* Palissa (2319) p. 278–; Ecology.
1959. *Sminthurinus aureus* Poole (1604) p. 76–; Food of Collembola.
1959. *Sminthurinus aureus* Stach (1896) p. 51; Poland.
1959. *Sminthurinus aureus* Wilkey (2350) p. 224; California.
1960. *Sminthurinus aureus* Gisin (2271) p. 279, fig. 63; Europe.
1960. *Sminthurinus aureus* Grindbergs (2373) p. 57; U.S.S.R.
1960. *Sminthurinus aureus* Palissa (2319) p. 395; Systematics; Ecology.

Sminthurinus aureus albus (Krausbauer) 1901

1900. *Sminthurus albus* Schaffer (1739) p. 277, Pl. VI, figs. 35–38.
1900. *Sminthurus aureus alba* Börner (228) p. 615; Germany.
1901. *Sminthurus aureus alba* Krausbauer (1204) p. 45; Germany.
1904. *Sminthurinus aureus alba* Axelson (79) p. 80; Norway.
1907. *Sminthurinus aureus alba* Axelson (83) p. 133; Finland.
1912. *Sminthurinus aureus alba* Axelson (1292) p. 280; Finland.
1922. *Sminthurinus aureus alba* Stach (1860) p. 56; Hungary.
1930. *Sminthurinus aureus albus* Stach (1869) p. 308; Europe; North America.
1930. *Sminthurinus aureus alba* Womersley (2164) p. 166; England.
1934. *Sminthurinus aureus albus* Mills (1417) p. 95; Iowa.
1934. *Sminthurinus aureus alba* Volz (2069) p. 173; Ecology.
1938. *Sminthurinus aureus alba* Kseneman (1219) p. 111; Spieglitzer snow mountains.
1938. *Sminthurinus aureus alba* Kseneman (1220) p. 21; Europe.
1942. *Sminthurinus aureus alba* Marlier (1375) p. 10; Belgium.
1949. *Sminthurinus albus* Bagnall (130) p. 15; England.
1956. *Sminthurinus aureus alba* Stach (1894) p. 122; Poland.

Sminthurinus aureus atratus (Krausbauer, 1898), (Börner) 1900

1898. *Sminthurus aureus punctata* Krausbauer (1203) p. 496; Germany.
1900. *Sminthurus aureus atrata* Börner (228) p. 615; Germany.
1900. *Sminthurus aureus punctata* Börner (228) p. 615; Germany.
1900. *Sminthurus aureus fusca* Börner (228) p. 615; Systematics.
1901. *Sminthurinus aureus atrata atrata* Börner (234) p. 104; Central Europe.
1901. *Sminthurinus aureus punctata* Börner (234) p. 103; Germany.
1901. *Sminthurus aureus fusca* Krausbauer (1204) p. 46; Germany.
1901. *Sminthurus aureus maculata* Krausbauer (1204) p. 46; Germany.
1901. *Sminthurus aureus punctata* Krausbauer (1204) p. 45; Germany.
1902. *Sminthurus aureus punctata* Becker (158) p. 21, fig. 4; Russia.
1903. *Sminthurus aureus punctata* Ågren (55) p. 162; Sweden.
1904. *Sminthurinus aureus atrata* Axelson (79) p. 81; Norway.
1907. *Sminthurinus aureus atrata* Axelson (83) p. 133; Finland.
1907. *Sminthurinus aureus maculata* Axelson (83) p. 133; Finland.
1912. *Sminthurinus aureus atrata* Axelson (1292) p. 288; Finland.
1912. *Sminthurinus aureus maculata* Axelson (1292) p. 285; Finland.
1922. *Sminthurinus aureus atrata* Stach (1860) p. 57; Hungary.
1930. *Sminthurinus aureus atratus* Stach (1869) p. 308; Europe; North America.
1941. *Sminthurinus aureus atrata* Buitendijk (336) p. 84; Netherlands.
1956. *Sminthurinus aureus atrata* Stach (1894) p. 122; Europe.
1959. *Sminthurinus aureus atrata* Da Gama (2266) p. 28; Portugal.

Sminthurinus aureus ochropus (Reuter) 1891

1891. *Sminthurus quadrilineatus ochropus* Reuter (1639) p. 231; Finland.
1901. *Sminthurus aureus ochropus* Börner (234) p. 104; Germany.
1901. *Sminthurus aureus fusca* Krausbauer (1204) p. 46; Germany.
1902. *Sminthurus aureus ochropus* Schött (1772) p. 38; Sweden.
1903. *Sminthurinus aureus ochropus* Ågren (55) p. 163; Sweden.
1904. *Sminthurinus aureus ochropus* Axelson (79) p. 80; Norway.
1905. *Sminthurus aureus ochropus* Axelson (81) p. 41; Finland.
1907. *Sminthurinus aureus ochropus* Axelson (83) p. 133; Finland.
1907. *Sminthurus aureus ochropus* Axelson (84) p. 6; North Finland.
1910. *Sminthurinus aureus ochropus* Collinge and Shoebotham (472) p. 122; England.
1911. *Sminthurinus aureus ochropus* Axelson (1291) p. 25; Norway; Finland.
1912. *Sminthurinus aureus ochropus* Axelson (1292) p. 287; Finland.
1914. *Sminthurinus aureus ochropus* Shoebotham (1820) p. 64; Ireland.
1919. *Sminthurinus aureus ochropus* Brown (297) p. 65; England.
1920. *Sminthurinus aureus ochropus* Morris (1454) p. 147; Ecology.
1920. *Sminthurinus aureus ochropus* Stach (1859) p. 198; Poland; Germany; Scandinavia; Finland.
1921. *Sminthurinus aureus ochropus* Brown (300) p. 130; Swarming.
1922. *Sminthurinus aureus ochropus* Stach (1860) p. 57; Hungary.
1924. *Sminthurus aureus ochropus* Thompson (1970) p. 361; Ecology.
1925. *Sminthurinus aureus ochropus* Womersley (2148) p. 171; S.W. England.
1926. *Sminthurinus aureus ochropus* Womersley (2153) p. 220; S.W. England.

1930. *Sminthurinus aureus ochropus* Stach (1869) p. 308; Europe; North America.
1930. *Sminthurinus aureus ochropus* Womersley (2168) p. 194; Ireland.
1931. *Sminthurinus aureus ochropus* Lindroth (1286) p. 134; Iceland.
1932. *Sminthurinus aureus ochropus* Womersley (2172) p. 19, fig. 5 A-C; Australia.
1933. *Sminthurinus aureus ochropus* Turk (2007) p. 95; Britain.
1942. *Sminthurinus aureus ochropus* Womersley (2193) p. 30; Australia.
1943. *Sminthurinus aureus ochropa* Gisin (853) p. 180; Switzerland.
1948. *Sminthurinus aureus ochropus* Gisin (867) p. 89; Switzerland.
1951. *Sminthurinus aureus ochropus* Schaller (1746) p. 463; Ecology.
1955. *Sminthurinus aureus ochropus* Stach (1893) p. 183; Europe; America.
1955. *Sminthurinus aureus ochropus* Goto (921) p. 268; Britain.
1956. *Sminthurinus aureus ochropus* Bockemuhl (193) p. 149; Spitzbergen.
1956. *Sminthurinus aureus ochropus* Stach (1894) p. 122; Europe.
1957. *Sminthurinus aureus ochropus* Bodvarsson (2252) p. 39; Iceland.
1960. *Sminthurinus aureus ochropus* Grindbergs (2373) p. 21–; U.S.S.R.

Sminthurinus aureus quadrilineatus (Tullberg) 1873

1873. *Sminthurus bourletii* Lubbock (1318) p. 112; England.
1871. *Sminthurus quadrilineatus* Tullberg (2002) p. 146; Sweden.
1873. *Sminthurus quadrilineatus* Tullberg (2003) p. 33, Pl. III, fig. 22; Sweden.
1881. *Sminthurus 4-lineatus* Reuter (1632) p. 204; Finland.
1891. *Sminthurus quadrilineatus* Uzel (2051) p. 919; Czechoslovakia.
1893. *Sminthurus quadrilineatus* Schött (1765) p. 31, Pl. I, figs. 18–19; Scandinavia.
1895. *Sminthurus quadrilineatus* Reuter (1643) p. 12; Finland.
1896. *Sminthurus quadrilineatus* Schäffer (1735) p. 212; Germany.
1897. *Sminthurus quadrilineatus* Poppe & Schaffer (1607) p. 272; Germany
1898. *Sminthurus aureua signata* Krausbauer (1203) p. 496; Germany.
1898. *Sminthurus quadrilineatus* Scherbakow (1750) p. 60; Russia.
1898. *Sminthurus quadrilineatus* Scherbakow (1751) p. 24; Kiev.
1899. *Sminthurus quadrilineatus* Carpenter & Evans (402) p. 229, Pl. VI, figs. 16–19; Edinburgh.
1900. *Sminthurus aureus signata* Börner (228) p. 615; Systematics.
1900. *Sminthurus aureus ornata* Börner (228) p. 615; Systematics.
1901. *Sminthurinus aureus quadrilineata* Börner (234) p. 103; Germany.
1901. *Sminthurinus aureus signata* Börner (234) p. 138.
1901. *Sminthurinus aureus ornata* Börner (234) p. 104; Central Europe.
1901. *Sminthurus quadrilineatus* Krausbauer (1204) p. 47; Germany.
1901. *Sminthurus aureus signata* Krausbauer (1204) p. 45; Germany.
1901. *Sminthurus aureus ornata* Krausbauer (1204) p. 46; Germany.
1902. *Sminthurus aureus quadrilineata* Schött (1772) p. 38; Scandinavia.
1903. *Sminthurus aureus quadrilineata* Ågren (55) p. 163; Sweden.
1904. *Sminthurinus aureus signata* Axelson (79) p. 80; Norway.
1905. *Sminthurinus aureus transversalis* Axelson (80) p. 794; Finland.
1905. *Sminthurinus aureus dorsalis* Axelson (80) p. 794; Finland.
1905. *Sminthurinus aureus dorsalis* Axelson (81) p. 41; Finland.
1905. *Sminthurinus aureus quadrilineata* Axelson (81) p. 41; Finland.
1905. *Sminthurinus aureus signata* Axelson (81) p. 41; Finland.
1906. *Sminthurinus aureus quadrilineata* Wahlgren (2080) p. 268; Sweden.
1907. *Sminthurinus aureus quadrilineata* Axelson (83) p. 133; Finland.
1907. *Sminthurinus aureus signata* Axelson (83) p. 133; Finland.
1907. *Sminthurinus aureus transversalis* Axelson (83) p. 133; Finland.
1907. *Sminthurinus aureus ornata* Axelson (83) p. 133; Finland.
1907. *Sminthurinus aureus dorsalis* Axelson (83) p. 133; Finland.
1912. *Sminthurinus aureus quadrilineata* Axelson (1292) p. 284; Finland.
1912. *Sminthurinus aureus signata* Axelson (1292) p. 282; Finland.
1912. *Sminthurinus aureus transversalis* Axelson (1292) p. 283; Finland.
1912. *Sminthurinus aureus ornata* Axelson (1292) p. 285; Finland.
1912. *Sminthurinus aureus dorsalis* Axelson (1292) p. 283; Finland.
1915. *Sminthurinus aureus signata* Ionesco (1105) p. 224; Rumania
1915. *Sminthurinus aureus ornata* Ionesco (1105) p. 224; Rumania.
1916. *Sminthurinus aureus signata* Ionesco (1106) p. 497; Rumania.
1916. *Sminthurinus aureus ornata* Ionesco (1106) p. 497; Rumania.
1920. *Sminthurinus aureus signata* Ionesco (1107) p. 26; Rumania.
1920. *Sminthurinus aureus ornata* Ionesco (1107) p. 26; Rumania.
1920. *Sminthurinus aureus 4-lineatus* Morris (1454) p. 147; Britain; Ecology.
1922. *Sminthurinus aureus quadrilineata* Stach (1860) p. 57; Hungary.
1922. *Sminthurinus aureus signata* Stach (1860) p. 58; Hungary.
1922. *Sminthurinus aureus ornata* Stach (1860) p. 58; Hungary.
1926. *Sminthurinus aureus quadrilineata* Brown (307) p. 334; England.
1928. *Sminthurinus aureus quadrilineata* Handschin (1002) p. 546; Mexico.
1928. *Sminthurinus aureus quadrilineata* Jackson (1121) p. 303; Britain.

1930. *Sminthurinus aureus quadrilineatus* Stach (1869) p. 308; Europe; Nth. America.
1930. *Sminthurinus aureus signatus* Stach (1869) p. 308, Europe; Nth. America.
1930. *Sminthurus aureus ornatous* Stach (1869) p. 308; Europe; Nth. America.
1932. *Sminthurinus aureus signata* Womersley (2172) p. 21; Australia.
1934. *Sminthurinus aureus signata* Volz (2069) p. 173–; Ecology.
1943. *Sminthurinus aureus signata* Gisin (853) p. 180; Switzerland.
1943. *Sminthurus aureus ornatus* Gisin (853) p. 180; Switzerland.
1948. *Sminthurinus aureus quadrilineata* Gisin (867) p. 89; Switzerland.
1949. *Sminthurinus aureus signata* Strenzke (1922) p. 208; Germany.
1949. *Sminthurinus aureus ornata* Strenzke (1922) p. 208; Germany.
1952. *Sminthurinus aureus signata* Uchida (2027) p. 3; Japan.
1955. *Sminthurinus aureus quadrilineata* Stach (1893) p. 183, fig. 555; Europe.
1956. *Sminthurinus aureus signata* Bockemuhl (193) p. 149; Spitzbergen.
1956. *Sminthurinus aureus quadrilineata* Stach (1894) p. 122; Taxonomy.

Sminthurinus biflavopunctatus (Collinge and Shoebotham) 1909

1909. *Sminthurus biflavopunctatus* Collinge & Shoebotham (470) p. 9, Pl. III, figs. 1–7; Britain.
1910. *Sminthurinus biflavopunctatus* Bagnall (102) p. 507; Britain.
1933. *Sminthurinus biflavopunctatus* Turk (2007) p. 95; Britain.

Sminthurinus bimaculatus (Axelson) 1902

TYPE: Univ. Mus., Div. Ent., Helsinki.
1902. *Sminthurinus igniceps bimaculata* Axelson (76) p. 110; Finland.
1907. *Sminthurinus aureus bimaculata* Axelson (83) p. 133; Finland.
1909. *Sminthurinus fenestratus* Börner (246) p. 124; Japan.
1909. *Sminthurus biflavopunctatus* Collinge & Shoebotham (470) p. 9, Pl. III, figs. 1–7; England.
1910. *Sminthurinus biflavopunctatus* Bagnall (102) p. 507; Scotland; Belgium; Norway.
1910. *Sminthurinus fenestratus* Collinge & Shoebotham (472) p. 121; Hertfordshire.
1912. *Sminthurinus aureus bimaculata* Linnaniemi (1292) p. 286; Finland.
1922. *Sminthurinus aureus circumfasciata* Stach (1860) p. 58; Hungary.
1930. *Sminthurinus aureus circumfasciatus* Stach (1869) p. 308; Europe; Nth. America.
1932. *Sminthurinus aureus bimaculata* Durkop (706) p. 236; Germany.
1937. *Sminthurinus aureus circumfasciata* Kseneman (1217) p. 473; Carpathians.
1938. *Sminthurinus aureus circumfasciata* Kseneman (1220) p. 21; Europe; Nth. America.
1948. *Sminthurinus aureus circumfasciata* Franz & Beier (821) p. 452–; Ecology.
1950. *Sminthurinus aureus bimaculata* Kinoshita & Uchida (1179) p. 20 and figs; Japan.
1952. *Sminthurinus aureus bimaculata* Uchida (2027) p. 1; Japan.
1955. *Sminthurinus aureus circumfasciata* Stach (1893) p. 183; Europe; Nth. America.
1956. *Sminthurinus bimaculatus* Stach (1894) p. 127, Pl. XVI, figs. 2–3; Poland; Ukraine.
1957. *Sminthurinus aureus bimaculata* Uchida (2038) p. 22; Japan.
1958. *Sminthurinus aureus bimaculata* Uchida (2044) p. 34; Japan.
1959. *Sminthurinus bimaculatus* Stach (1896) p. 52; Poland.
1960. *Sminthurinus bimaculatus* Gisin (2271) p. 278, figs. 511–513; Hungary; Spain.
1960. *Sminthurinus bimaculatus* Grindbergs (2373) p. 57; U.S.S.R.

Sminthurinus binoculatus Börner, 1901

1901. *Sminthurinus binoculatus* Börner (231) p. 343, fig. 7; Germany.
1902. *Sminthurinus binoculatus* Willem (2133) p. 283; Belgian cave.
1903. *Sminthurinus binoculatus* Börner (239) p. 163; Europe.
1907. *Sminthurinus binoculatus* Axelson (83) p. 133; Finland.
1911. *Sminthurinus binoculatus* Axelson (2191) p. 25; Norway.

Sminthurinus binoculatus griseus Axelson, 1907

1907. *Sminthurinus binoculatus grisea* Axelson (83) p. 133; Finland.

Sminthurinus brunneus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Sminthurinus brunneus* Maynard (1393) p. 226, Pl. XXIII, figs. 400–401, Pl. XXVII, figs. 505–508; New York.
1956. *Sminthurinus brunneus* Stach (1894) p. 104; U.S.A.

Sminthurinus cingulatus Bagnall, 1921

COTYPE: Brit. Mus. Nat. Hist., London.
1921. *Sminthurinus cingulatus* Bagnall (107)p. 15, fig. 1; Norway; England.
1932. *Sminthurinus cingulatus* Bagnall (108) p. 20; Scotland.

Sminthurinus concolor (Meinert) 1896

1896. *Smynthurus concolor* Meinert (1399) p. 167; Greenland.
1900. *Sminthurus concolor* Skorikow (1833) p. 198; Spitzbergen.
1900. *Smynthurus concolor* Schaffer (1738) p. 253; Greenland.
1900. *Smynthurus concolor* Wahlgren (2077) p. 374; Greenland.
1902. *Sminthurus concolor* Skorikow (1835) p. 92; Spitzbergen.
1909. *Sminthurus concolor* Nielsen (1498) p. 408; Greenland.
1918. *Smynthurus concolor* Henriksen and Lundbeck (1044) p. 736; Greenland.
1928. *Smynthurus concolor* Remy (1625) p. 67; Greenland.
1934. *Sminthurus concolor* Jorgensen (1145) p. 7–; Greenland.
1934. *Sminthurus concolor* Tuxen (2009) p. 4–, figs. 1–4; Arctic.
1935. *Sminthurinus concolor* Axelson (1295) p. 140; Spitzbergen.
1936. *Sminthurinus concolor* Axelson (1297) p. 23; Greenland.
1936. *Sminthurinus concolor* Madsen (1367) p. 21–; Greenland.
1937. *Sminthurinus concolor* Hammer (966) p. 10; East Greenland.

1938. *Sminthurinus concolor* Hammer (968) p. 29; East Greenland.
1942. *Sminthurinus concolor* Haarlov (954) p. 46; Greenland.
1944. *Sminthurinus concolor* Hammer (969) p. 61; Greenland; Spitzbergen.
1953. *Sminthurinus concolor* Gisin (885) p. 234; Jan Mayen Island.
1953. *Sminthurinus concolor* Hammer (972) p. 59; North Canada.
1954. *Sminthurinus concolor* MacFadyen (1339) p. 291; Jan Mayen Island.
1956. *Sminthurinus concolor* Stach (1894) p. 105; Greenland.

Sminthurinus discordipes Salmon, 1949

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1949. *Sminthurinus discordipes* Salmon (1689) p. 49, figs. 152–155; Campbell Island.
1956. *Sminthurinus discordipes* Stach (1894) p. 104; Campbell Island.

Sminthurinus downsi Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Sminthurinus downsi* Maynard (1393) p. 225, Pl. XXII, fig. 377, Pl. XXVII, figs. 498–504; New York.
1956. *Sminthurinus downsi* Stach (1894) p. 102; U.S.A.

Sminthurinus duplicatus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Sminthurinus duplicatus* Salmon (1676) p. 411, Pl. 70, figs. 496–499; New Zealand.
1956. *Sminthurinus duplicatus* Stach (1894) p. 101; New Zealand.

Sminthurinus duplicatus obscurus Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Sminthurinus duplicatus obscurus* Salmon (1683) p. 173; New Zealand.

Sminthurinus elegans (Fitch) 1863

1863. *Smynthurus elegans* Fitch (766) p. 668–; New York.
1871. *Smynthurus elegans* Packard (1518) p. 102; U.S.A.
1871. *Sminthurus quadrilineatus* Tullberg (2002) p. 146; Sweden.
1872. *Sminthurus quadrilineatus* Tullberg (2003) p. 1–; Sweden.
1873. *Smynthurus elegans* Packard (1521) p. 43; Massachusetts; Tennessee.
1891. *Smynthurus elegans* MacGillivray (1341) p. 271; Massachusetts; New York; Ohio; Virginia; Tennessee.
1894. *Smynthurus elegans* MacGillivray (1343) p. 108; North America.
1894. *Sminthurus quadrilineatus* Schött (1765) p. 31, Pl. I, figs. 18–19.
1895. *Sminthurus quadrilineatus* Reuter (1643) p. 12; Finland.
1896. *Sminthurus quadrilineatus* Schäffer (1735) p. 212; Germany.
1897. *Sminthurus quadrilineatus* Poppe and Schäffer (1607) p. 265–; Germany.
1898. *Sminthurus quadrilineatus* Scherbakow (1750) p. 60; Kiev.
1899. *Smynthurus elegans* Banks (138) p. 197; Long Island, New York.
1899. *Sminthurus quadrilineatus* Carpenter and Evans (402) p. 221–; Edinburgh district.
1901. *Sminthurinus aureus quadrilineata* Börner (234) p. 103; Systematics.
1902. *Sminthurus quadrilineatus* Krausbauer (1205) p. 1–; Germany.
1902. *Sminthurus aureus quadrilineatus* Schött (1702) p. 38; Boreal.
1903. *Sminthurinus aureus quadrilineata* Agren (55) p. 163; South Sweden.
1905. *Sminthurinus aureus quadrilineata* Axelson (81) p. 41; Finland.
1909. *Smynthurus elegans* Dow and Smith (692) p. 34; New Jersey.
1912. *Sminthurinus aureus quadrilineata* Axelson (1292) p. 284; Finland.
1922. *Sminthurinus aureus quadrilineata* Stach (1860) p. 57; Hungary.
1928. *Sminthurinus elegans* Folsom (800) p. 11–; New York.
1928. *Sminthurinus aureus quadrilineata* Handschin (1002) p. 546; Mexico.
1929. *Sminthurinus aureus quadrilineata* Handschin (1008) p. 114; Europe; North America.
1929. *Sminthurinus aureus quadrilineata* Stach (1869) p. 269–; Hungary.
1930. *Sminthurinus elegans* Mills (1413) p. 200–; Iowa.
1933. *Sminthurinus elegans* James (1124) p. 111; Canada.
1933. *Sminthurinus elegans* Mills and Rolfs (1431) p. 82; Washington.
1934. *Sminthurinus elegans* Folsom (803) p. 465, Pl. I, fig. 2, Pl. VI, figs. 45–47, Pl. VII, figs. 48–51; North America.
1934. *Sminthurinus elegans* Mills (1417) p. 96; Iowa, U.S.A.; Canada; Europe.
1942. *Sminthurinus elegans* Scott (1796) p. 184; West U.S.A.
1946. *Sminthurinus elegans* Pearse (1575) p. 139; Ecology.
1950. *Sminthurinus elegans* Wray (2216) p. 64; Utah.
1951. *Sminthurinus elegans* Maynard (1393) p. 235, Pl. XIV, fig. 424; Pl. XXVII, figs. 520, 521, 526–531; U.S.A.
1951. *Sminthurinus elegans* Wilkey (2120) p. 79; Colorado.
1956. *Sminthurinus elegans* Stach (1894) p. 124, Pl. XVI, fig. 1; Poland; Asia Minor; Slovakia; Hungary.
1956. *Sminthurinus elegans* Wray and Knowlton (2214) p. 5; Idaho.
1957. *Sminthurinus elegans* Delamare Deboutteville and Bassot (592) p. 77, fig. 1; Madeira.
1959. *Sminthurinus elegans* Da Gama (494) p. 38; Madeira.
1959. *Sminthurinus elegans* Stach (1896) p. 51; Poland.
1959. *Sminthurinus elegans* Wilkey (2350) p. 224; California.
1960. *Sminthurinus elegans* Gisin (2271) p. 278, fig. 510; Europe; America.
1960. *Sminthurinus elegans* Grindbergs (2373) p. 57; U.S.S.R.

Sminthurinus elegans cancellus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Sminthurinus elegans cancellus* Maynard (1393) p. 238, Pl. XXVIII, figs. 522, 523; New York.

Sminthurinus elegans dorsalis (Axelson) 1905

TYPE: Univ. Mus., Div. Ent., Helsinki.
1905. *Sminthurinus aureus dorsalis* Axelson (80) p. 794; Finland.
1956. *Sminthurinus elegans dorsalis* Stach (1894) p. 127; Finland.

Sminthurinus elegans ochropus (Reuter) 1912, in litt.

1912. *Sminthurinus quadrilineatus ochropus* Axelson (1292) p. 287.

1951. *Sminthurinus elegans ochropus* Maynard (1393) p. 238, Pl. XXVIII, figs. 524–525; New York.
1956. *Sminthurinus elegans ochropus* Wray & Knowlton (2214) p. 5; Idaho.

Sminthurinus elegans ornatus (Krausbauer) 1902

1902. *Sminthurinus aureus ornata* Krausbauer (1205) p. 1–; Germany.
1956. *Sminthurinus elegans ornata* Stach (1894) p. 127; Germany.

Sminthurinus elegans signatus (Krausbauer) 1902

1902. *Sminthurinus aureus signata* Krausbauer (1205) p. 1–; Germany.
1956. *Sminthurinus elegans signata* Stach (1894) p. 127; Germany.

Sminthurinus elegans transversalis (Axelson) 1905

TYPE: Univ. Mus., Div. Ent., Helsinki.
1905. *Sminthurinus aureus transversalis* Axelson (80) p. 794–; Finland.
1956. *Sminthurinus elegans transversalis* Stach (1894) p. 127; Finland.

Sminthurinus fenestratus Börner, 1909

1909. *Sminthurinus fenestratus* Börner (246) p. 124; Japan.
1909. *Sminthurus bifavopunctatus* Collinge & Shoebotham (470) p. 9; England.
1910. *Sminthurinus fenestratus* Collinge & Shoebotham (472) p. 121; England.
1921. *Sminthurinus fenestratus* Bagnall (107) p. 15; England; Belgium; Norway; Denmark; Sweden.
1938. *Sminthurinus fenestratus* Uchida (2015) p. 9; Japan.

Sminthurinus flammeolus Gisin, 1957

TYPE: Mus. Hist. Natur., Geneva.
1957. *Sminthurinus flammeolus* Gisin (900) p. 488, fig. 10; Glasgow.
1960. *Sminthurinus flammeolus* Gisin (2271) p. 279, figs. 514, 515; Scotland.

Sminthurinus glaucus Salmon, 1943

TYPE: Dom. Mus., Wellington, N.Z.
1943. *Sminthurinus glaucus* Salmon (1681) p. 2, Pl. I, fig. 8; Pl. II, figs. 7–10; New Zealand.
1956. *Sminthurinus glaucus* Stach (1894) p. 106; New Zealand.

Sminthurinus granulatus Salmon, 1946

TYPE: Dom. Mus., Wellington, N.Z.
1946. *Sminthurinus granulatus* Salmon (1686) p. 34; figs. 14–16; New Zealand.
1956. *Sminthurinus granulatus* Stach (1894) p. 105; New Zealand.

Sminthurinus handschini Folsom, 1934

TYPE: Nat. Colln. Insects, Ottawa, Canada.
1928. *Sminthurinus quadrimaculatus* Handschin (1002) p. 546, figs. 30–33; Mexico.
1934. *Sminthurinus handschini* Folsom (803) p. 462, Pl. I, fig. 1; Pl. IV, figs. 21–27; Pl. V, figs. 28–31; Mexico.
1956. *Sminthurinus handschini* Stach (1894) p. 103; Mexico.

Sminthurinus henshawi Folsom, 1896

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Sminthurinus henshawii* Folsom (676) p. 449; Massachusetts.
1956. *Sminthurinus henshawii* Stach (1894) p. 123; Europe; America.

Sminthurinus igniceps (Reuter) 1890

1881. *Sminthurus igniceps* Reuter (1632) p. 203; Finland.
1890. *Sminthurus igniceps* Reuter (1638) p. 22, Pl. I, fig. 2; Finland.
1891. *Sminthurus igniceps* Reuter (1639) p. 232; Finland.
1893. *Sminthurus igniceps* Schött (1765) p. 33, Pl. II, figs. 17–19; Sweden; Finland; Germany.
1895. *Sminthurus igniceps* Reuter (1643) p. 13; Finland; Sweden; Germany.
1896. *Sminthurus igniceps* Lie-Pettersen (1281) p. 10; Norway.
1899. *Sminthurus igniceps* Carl (352) p. 353; Switzerland.
1899. *Sminthurus igniceps* Carpenter & Evans (402) p. 231, Pl. VI, figs. 20–23; Scotland.
1900. *Sminthurus igniceps* Börner (228) p. 615; = *Eusminthurus*.
1901. *Sminthurinus niger igniceps* Börner (234) p. 102; Central Europe.
1901. *Sminthurus igniceps* Boyd (268) p. 317; Scotland.
1901. *Sminthurus igniceps* Krausbauer (1204) p. 47; Germany.
1902. *Sminthurus igniceps* Schött (1772) p. 37, Pl. IV, fig. 19; Boreal.
1906. *Sminthurinus igniceps* Wahlgren (2080) p. 268; Sweden.
1907. *Sminthurinus igniceps* Axelson (83) p. 133; Finland.
1910. *Sminthurinus igniceps* Bagnall (102) p. 507; Britain.
1912. *Sminthurinus igniceps* Axelson (1292) p. 228; Finland.
1922. *Sminthurinus igniceps* Latzel (1250) p. 74; Austria.
1924. *Sminthurinus igniceps* Houlbert (1078) p. 159; Europe.
1929. *Sminthurinus igniceps* Handschin (1008) p. 113; Middle and Nth. Europe.
1930. *Sminthurinus igniceps* Womersley (2168) p. 194; Ireland.
1933. *Sminthurinus igniceps* Turk (2007) p. 95; Britain.
1956. *Sminthurinus igniceps* Stach (1894) p. 112, Pl. XV, figs. 1, 2; Poland; Russia.
1958. *Sminthurinus igniceps* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurinus igniceps* Grindbergs (2277) p. 204; Latvia.
1959. *Sminthurinus igniceps* Da Gama (494) p. 37; Madeira.
1960. *Sminthurinus igniceps* Gisin (2271) p. 281; Europe.
1960. *Sminthurinus igniceps* Grindbergs (2373) p. 58; U.S.S.R.

Sminthurinus igniceps trinotatus Axelson, 1905

TYPE: Univ. Mus., Div. Ent., Helsinki
1905. *Sminthurinus igniceps trinotata* Axelson (80) p. 794; Finland.
1907. *Sminthurinus igniceps trinotata* Axelson (83) p. 133; Finland.
1912. *Sminthurinus igniceps trinotata* Axelson (1292) p. 290; Finland.
1922. *Sminthurinus igniceps trinotata* Latzel (1250) p. 75; Austria.
1930. *Sminthurinus igniceps trinotata* Womersley (2167) p. 153; England.

1933. *Sminthurinus igniceps trinotata* Turk (2007) p. 95; Britain.
1941. *Sminthurinus igniceps trinotata* Buitendijk (336) p. 82; Netherlands, Nth. and Middle Europe.
1952. *Sminthurinus igniceps trinotata* Uchida (2027) p. 3; Japan.
1955. *Sminthurinus trinotatus* Stach (1893) p. 184, fig. 556; Europe; Taxonomy.

Sminthurinus krausbaueri Börner, 1901

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1901. *Sminthurinus krausbaueri* Börner (229) p. 708, fig. 10; Germany.
1930. *Sminthurus krausbaueri* Kel'shtein (1161) p. 78; Russia.
1933. *Metakatianna krausbaueri* Denis (645) p. 291; Marburg.
1944. *Sminthurinus krausbaueri* Gisin (854) p. 111; Germany.
1948. *Sminthurinus krausbaueri* Denis (675) p. 8, figs. 11–18; Europe.
1960. *Sminthurinus krausbaueri* Gisin (2271) p. 278; Germany; Switzerland.
1960. *Sminthurinus krausbaueri* Grindbergs (2373) p. 57; U.S.S.R.

Sminthurinus latimaculosus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Sminthurinus latimaculosus* Maynard (1393) p. 231, Pl. XXIII, figs. 389, 390, Pl. XXVIII, figs. 515–519; New York.
1956. *Sminthurinus latimaculosus* Stach (1894) p. 100; U.S.A.

Sminthurinus lichenatus Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Sminthurinus lichenatus* Salmon (1681) p. 3, Pl. 2, figs. 11–13; New Zealand.
1956. *Sminthurinus lichenatus* Stach (1894) p. 102; New Zealand.

Sminthurinus megoculatus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Sminthurinus megoculatus* Maynard (1393) p. 233, Pl. XXIX, figs. 539–545; New York.
1956. *Sminthurinus megoculatus* Stach (1894) p. 101; New York.

Sminthurinus mime (Parona, 1895) Borner, 1907

1895. *Sminthurus niger* Parona (1565) p. 696; La Plata.
1907. *Sminthurinus mime* Börner (244) p. 172, fig. 41; South America.
1933. *Sminthurinus mime* Bonet (209) p. 187, fig. XIX; Argentina.
1933. *Sminthurinus mime* Denis (645) p. 294; Argentina; Synonymy.
1956. *Sminthurinus mime* Stach (1894) p. 99; Argentina.

Sminthurinus minutus (MacGillivray) 1894

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1894. *Smynthurus minutus* MacGillivray (1343) p. 109; Massachusetts.
1903. *Sminthurus minutus* Guthrie (1951) p. 44, Pl. V, figs. 11A–15; Minnesota.
1928. *Sminthurus minutus* Folsom (800) p. 11–; New York.
1930. *Sminthurinus minutus* Mills (1417) p. 97; Iowa; Minnesota; New York.
1934. *Sminthurus minutus* Folsom (803) p. 462, Pl. III, figs. 13–18, Pl. IV, figs. 19, 20; U.S.A.
1949. *Sminthurus minutus* Palmer (1548) p. 382; U.S.A.
1951. *Sminthurinus minutus* Maynard (1393) p. 234, Pl. XXIII, fig. 402, Pl. XXVIII, figs. 532–535; New York.
1956. *Sminthurinus minutus* Stach (1894) p. 101; U.S.A.

Sminthurinus minutus bipunctatus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Sminthurinus minutus bipunctatus* Maynard (1393) p. 235, Pl. XXIII, fig. 403, Pl. XXVIII, fig. 536; New York.
1959. *Sminthurinus minutus bipunctatus* Wilkey (2350) p. 224; California.

Sminthurinus molinai Arlé, 1940

TYPE: Mus. Nacional, Rio de Janeiro.
1940. *Sminthurinus molinai* Arlé (66) p. 264, Pl. XXVI, Pl. XXVII, figs. 1–9; Rio de Janeiro.

Sminthurinus muscophilus Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.
1946. *Sminthurinus muscophilus* Salmon (1686) p. 32, figs. 8–10; New Zealand.
1956. *Sminthurinus muscophilus* Stach (1894) p. 105; New Zealand.

Sminthurinus niger (Lubbock) 1868

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1868. *Smynthurus niger* Lubbock (1316) p. 297, Pl. XXI, figs. 11, 12; Britain.
1871. *Sminthurus niger* Tullberg (2002) p. 146; Sweden.
1871. *Sminthurus bimaculatus* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus niger* Tullberg (2003) p. 33, Pl. III, figs. 21, 23; Scandinavia.
1873. *Smynthurus niger* Lubbock (1318) p. 111, Pl. VI; England.
1873. *Smynthurus niger* McIntire (1353) p. 4, figs. 1, 2; Britain.
1876. *Sminthurus niger* Reuter (1628) p. 80; Finland.
1878. *Smynthurus niger* Parona (1557) p. 577; Italy.
1880. *Sminthurus niger* Reuter (1629) p. 206; Scotland.
1881. *Sminthurus niger* Reuter (1632) p. 204; Finland.
1885. *Smynthurus niger* Parona (1560) p. 36; Sardinia.
1887. *Sminthurus niger* Oudemans (1510) p. 97; Holland.
1890. *Sminthurus niger* Uzel (2050) p. 35; Bohemia.
1890. *Sminthurus niger* Reuter (1638) p. 19; Finland.
1891. *Sminthurus niger* Moniez (1447) p. 68; France.
1891. *Sminthurus niger* Schött (1762) p. 12, Pl. II, fig. 1; Calfiornia.
1893. *Sminthurus niger* Schött (1765) p. 32, Pl. I, fig. 12; Sweden.
1895. *Sminthurus niger* Parona (1565) p. 697; Argentina.
1896. *Sminthurus niger* Lie-Pettersen (1281) p. 10; Norway.
1897. *Sminthurus niger* Schaffer (1735) p. 212; Germany.
1895. *Sminthurus niger* Reuter (1643) p. 13; Finland; Europe.
1898. *Sminthurus niger* Lie-Pettersen (1282) p. 8; Norway.
1898. *Sminthurus niger* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Sminthurus niger* Carpenter and Evans (402) p. 231; Scotland.
1899. *Sminthurus niger* Lie-Pettersen (1283) p. 4–; Norway.
1900. *Sminthurinus niger* Börner (228) p. 615. = *Eusminthurus.*

1900. *Sminthurus niger* Schäffer (1738) p. 253; N.W. Siberia; Europe.
1900. *Smynthurus niger* Vellay (2056) p. 20; Hungary.
1900. *Sminthurus niger* Wahlgren (2076) p. 1; Bering Island.
1900. *Sminthurus niger* Wahlgren (2077) p. 374; Greenland; Beeren Island.
1901. *Sminthurinus niger* Börner (234) p. 101, figs. 44–46, Pl. II, fig. 13; North Europe.
1901. *Sminthurus niger* Boyd (268) p. 317; Scotland.
1901. *Sminthurus niger* Krausbauer (1204) p. 46; Germany.
1903. *Sminthurinus niger* Ågren (55) p. 162; Sweden.
1903. *Sminthurinus niger* Börner (238) p. 154, fig. A; Systematics.
1903. *Sminthurus niger* Guthrie (951) p. 47, Pl. V, figs. 16–18; Minnesota.
1905. *Sminthurinus niger* Axelson (81) p. 41; Finland.
1906. *Sminthurinus niger* Axelson (82) p. 21; Russia.
1906. *Sminthurinus niger* Börner (243) p. 154, fig. A; Sweden.
1906. *Sminthurinus niger* Lie-Pettersen (1284) p. 72; Norway.
1906. *Sminthurinus niger* Wahlgren (2080) p. 267; Sweden.
1906. *Sminthurinus niger* Wahlgren (2081) p. 3; Cairo.
1907. *Sminthurinus niger* Axelson (83) p. 133; Finland.
1910. *Sminthurinus niger* Bagnall (102) p. 507; Britain.
1910. *Sminthurinus niger* Collinge and Shoebotham (472) p. 121; England.
1910. *Sminthurinus niger* Collinge (464) p. 13; England.
1910. *Sminthurus niger* Theobald (1964) p. 184–; Gen. Economics.
1911. *Sminthurinus niger* Axelson (1291) p. 25; Norway.
1912. *Sminthurinus niger* Axelson (1292) p. 290; Finland.
1914. *Sminthurinus niger* Shoebotham (1820) p. 64; Ireland.
1917. *Sminthurinus niger* Shoebotham (1823) p. 222; England.
1918. *Smynthurus niger* Henriksen & Lundbeck (1044) p. 736; Greenland.
1918. *Smynthurus niger* Vellay (2058) p. 20; Hungary.
1919. *Sminthurinus niger* Wahlgren (2089) p. 751; Sweden.
1920. *Sminthurinus niger* Stach (1859) p. 199; Cosmopolitan; Poland.
1922. *Sminthurinus niger* Bristowe (278) p. 42; Jan Mayen Island.
1922. *Sminthurinus niger* Denis (609) p. 112; Ile de Yeu; France.
1922. *Sminthurinus niger* Carpenter & Phillips (404) p. 18; Bear Is., Greenland; Nth. Siberia; Scandinavia; Finland; Germany; Gt. Britain; Ireland.
1922. *Sminthurinus niger* Latzel (1250) p. 74; Austria.
1922. *Sminthurinus niger* Stach (1861) p. 133; Albania.
1924. *Sminthurinus niger* Denis (614) p. 294; France.
1924. *Sminthurinus niger* Handschin (981) p. 149; Switzerland.
1924. *Sminthurinus nigra* Houlbert (1078) p. 159; Europe.
1924. *Sminthurus niger* Thompson (1970) p. 361; Ecology.
1925. *Sminthurinus niger* Denis (617) p. 212; Italy.
1925. *Sminthurinus niger* Handschin (987) p. 172; Morocco.
1926. *Sminthurinus niger* Womersley (2153) p. 221; S.W. England.
1927. *Sminthurinus niger* Carpenter (396) p. 199; Spitzbergen.
1927. *Sminthurinus niger* Strebel (1911) p. 256; Physiology.
1928. *Sminthurinus niger* Handschin (1005) p. 8; Algeria.
1928. *Sminthurinus niger* Krausse (1206) p. 118; Ecology.
1928. *Sminthurinus niger* Summerhayes & Elton (1939) p. 208–; Spitzbergen.
1928. *Sminthurinus niger* Womersley (2154) p. 379; S.W. England.
1929. *Sminthurinus niger* Handschin (1007) p. 27; Egypt.
1929. *Sminthurinus niger* Handschin (1008) p. 112; Europe; Siberia; Nth. America.
1929. *Sminthurinus niger* Stach (1869) p. 308; Cosmopolitan.
1929. *Sminthurinus niger* Strebel (1913) p. 97; Physiology.
1930. *Sminthurinus niger* Buitendijk (334) p. 72; Holland.
1930. *Sminthurus niger* Kel'shtein (1161) p. 78; Russia.
1930. *Sminthurinus niger* Stach (1870) p. 72; Spain; Ecology.
1930. *Sminthurinus niger* Womersley (2168) p. 194; Ireland.
1931. *Sminthurinus niger* Womersley (2171) p. 138, Pl. VIII, figs. 1–6; Sth. Africa.
1932. *Sminthurinus niger* Brown (312) p. 338; Nth. Canada.
1932. *Sminthurinus niger* Womersley (2172) p. 21, fig. 5 d-f; Australia.
1933. *Sminthurinus niger* Folsom (802) p. 938; Injurious insect.
1933. *Sminthurinus niger* Mills & Rolfs (1431) p. 83; Washington.
1933. *Sminthurinus niger* Schubert (1787) p. 229; Ecology.
1933. *Sminthurinus niger* Turk (2007) p. 95; Britain.
1934. *Sminthurinus niger* Lack (1229) p. 603; Greenland.
1934. *Sminthurinus niger* Mills (1417) p. 97; Iowa, U.S.A.; Europe.
1934. *Sminthurus niger* Perrier (1576) p. 40; France.
1935. *Sminthurinus niger* Denis (652) p. 331; Albania.
1935. *Sminthurinus niger* Schubert (1790) p. 94; Europe.
1936. *Sminthurinus niger* Nordberg (1500) p. 34–; Ecology.
1937. *Sminthurus niger* Edinger (712) p. 7; California.
1937. *Sminthurinus niger* Frenzel (828) p. 308; Ecology.
1937. *Sminthurus niger* Scott (1795) p. 131; California.
1938. *Sminthurinus niger* Hammer (968) p. 29; East Greenland.
1939. *Sminthurinus niger* Womersley (2190) p. 230, fig. 68 J–M; Australia.
1941. *Sminthurinus niger* Agrell (46) p. 20; Swedish Lapland.
1941. *Sminthurinus niger* Buitendijk (336) p. 81; Netherlands; Europe; Siberia; Nth. America.
1942. *Sminthurinus niger* Marlier (1375) p. 10; Belgium.
1942. *Sminthurinus niger* Scott (1796) p. 184; West U.S.A.
1943. *Sminthurinus niger* Agrell (47) p. 126; Sweden.
1943. *Sminthurinus niger* Gisin (853) p. 180; Switzerland.
1943. *Sminthurinus niger* Strebel (1919) p. 118; Germany.

1944. *Sminthurinus niger* Gisin (855) p. 31, fig. 21; Discussion.
1944. *Sminthurinus niger* Hammer (969) p. 61; Nth. America; Greenland; Spitzbergen; Lapland, Finland; Bear I.; Jan Mayen I.; Europe; Arctic Siberia.
1944. *Sminthurinus niger* Tuxen (2010) p. 175; Iceland.
1945. *Sminthurinus niger* Agrell (50) p. 11; Finland; Sweden, Habitats, birds' nests.
1948. *Sminthurinus niger* Gisin (867) p. 84; Switzerland.
1951. *Sminthurinus niger* Praport (1610) p. 145; Poland.
1952. *Sminthurinus niger* Strenzke (1924) p. 5; Cosmopolitan.
1953. *Sminthurus niger* Ruppel (1670) p. 435–; Physiology.
1953. *Sminthurus niger* Schaller (1749) p. 276; Reproduction.
1953. *Sminthurinus niger* Weidner (2108) p. 35; Central Europe.
1955. *Sminthurinus niger* Chopard (434) p. 26, Pl. I, fig. 20; France.
1955. *Sminthurinus niger* de Jong (1144) p. 496; Ecology.
1955. *Sminthurinus niger* Gisin (890) p. 146; Switzerland.
1955. *Sminthurinus niger* Stach (1893) p. 184; Europe; America.
1956. *Sminthurinus niger* Bockemuhl (193) p. 149; Spitzbergen.
1956. *Sminthurinus niger* Paclt (1541) pp. 11, 125.
1956. *Sminthurinus niger* Stach (1894) p. 108, Pl. XIV; Poland; Ukraine; Asia Minor; Cosmopolite.
1956. *Sminthurinus niger* Wray & Knowlton (2214) p. 5; Idaho.
1957. *Sminthurinus niger* Delamare Deboutteville & Bassot (592) p. 77; Madeira.
1957. *Sminthurinus niger* Jeannenot (1135) p. 405.
1958. *Sminthurinus niger* Grindbergs (2275) p. 12; Latvia.
1958. *Sminthurinus niger* Grindbergs (2276) p. 77; Latvia.
1958. *Sminthurinus niger* Grindbergs (2277) p. 204; Latvia.
1958. *Sminthurinus niger* Kholova (1169) p. 235; Bohemia.
1958. *Sminthurinus niger* Nosek (1503) p. 357; Czechoslovakia.
1958. *Sminthurinus niger* von Torne (1993) p. 673; Austria.
1959. *Sminthurinus niger* Da Gama (494) p. 37; Madeira.
1959. *Sminthurinus niger* Da Gama (2266) p 27; Portugal.
1959. *Sminthurinus niger* Lawrence (2294) p. 120–; England.
1959. *Sminthurinus niger* Muller (2309) p. 249; Ecology.
1959. *Sminthurinus niger* Paclt (2316) p. 64; Sth Africa.
1959. *Sminthurus niger* Stach (1896) p. 50; Poland.
1960. *Sminthurinus niger* Gisin (2271) p. 280; Cosmopolite.
1960. *Sminthurinus niger* Grindbergs (2373) p. 57; U.S.S.R.
1960. *Sminthurinus niger, sensu* Stach, Murphy (2387) p. 61; Britain.

Sminthurinus niger igniceps (Reuter) 1881

1881. *Sminthurus igniceps* Reuter (1632) p. 203; Scandinavia; Taxonomy.
1901. *Sminthurinus niger igniceps* Börner (234) p. 102; Central Europe.
1932. *Sminthurinus niger igniceps* Womersley (2172) p. 21; Australia; Systematics.
1939. *Sminthurinus niger igniceps* Womersley (2190) p. 230; Australia.

Sminthurinus niger ochraceus Axelson, 1902

TYPE: Univ. Mus., Div. Ent., Helsinki.
1902. *Sminthurinus niger ochracea* Axelson (76) p. 110; Karelia, N.W. Russia.
1907. *Sminthurinus niger ochracea* Axelson (83) p. 133; Finland.
1912. *Sminthurinus niger ochracea* Axelson (1292) p. 291; Finland.
1956. *Sminthurinus niger ochracea* Bockemuhl (193) p. 149; Spitzbergen.

Sminthurinus niger reticulatus Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow
1922. *Sminthurinus niger reticulata* Stach (1861) p. 134, Pl. X, fig. 10; Albania.

Sminthurinus nigrafuscus Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Sminthurinus nigrafuscus* Salmon (1676) p. 409, Pl. 70, figs. 488–490; New Zealand.
1956. *Sminthurinus nigrafuscus* Stach (1894) p. 98; New Zealand.

Sminthurinus nigrescens Schött, 1917

TYPE: Brit. Mus. Nat. Hist., London.
LECTOTYPE: Swed. Mus. Nat. Hist., Stockholm
1917. *Sminthurinus nigrescens* Schött (1774) p. 54, figs. 55–57; Queensland.
1939. *Sminthurinus nigrescens* Womersley (2190) p. 232; Queensland.

Sminthurinus nunezi Rapoport, 1962

1962. *Sminthurinus nunezi* Nunez (2518) p. 946; Cytology.

Sminthurinus oculatus Schött, 1917

LECTOTYPE, PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Sminthurinus oculatus* Schött (1774) p. 53, Pl. 4, figs. 1–4; fig. 54; Queensland.
1928. *Sminthurides oculatus* Handschin (1001) p. 267; Sumatra.
1935. *Sminthurinus oculatus* Womersley (2181) p. 218; New Zealand.
1939. *Sminthurinus oculatus* Womersley (2190) p. 230, fig. 68 N-O; Queensland.
1941. *Sminthurinus oculatus* Salmon (1676) p. 411; New Zealand.
1956. *Sminthurinus oculatus* Stach (1894) p. 104; Australia.

Sminthurinus packardi Denis, 1933

1933. *Sminthurinus packardi* Denis (645) p. 274, figs. 62–71; Costa Rica.
1956. *Sminthurinus packardi* Stach (1894) p. 98; Costa Rica.

Sminthurinus pallidus Womersley, 1931

1931. *Sminthurinus pallidus* Womersley (2171) p. 143, Pl. X, figs. 1–7; Sth. Africa.
1956. *Sminthurinus pallidus* Stach (1894) p. 98; Sth. Africa.

Sminthurinus procerasetus Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z

1946. *Sminthurinus proceraseta* Salmon (1686) p. 32. figs. 11–13; New Zealand.

1956. *Sminthurinus proceraseta* Stach (1894) p. 103: New Zealand.

Sminthurinus quadrimaculatus (Ryder) 1878

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1878. *Smynthurus quadrimaculata* Ryder (1671) p. 335, and fig.; U.S.A.

1891. *Smynthurus quadrimaculatus* MacGillivray (1341) p. 271; Massachusetts, Pennsylvania.

1892. *Sminthurus 6-maculata* Harvey (1027) p. 169; U.S.A.

1894. *Smynthurus quadrimaculatus* MacGillivray (1343) p. 105–; Nth. America.

1903. *Sminthurus quadrimaculatus* Guthrie (951) p. 45, Pl. V, figs. 10 a-b; Minnesota.

1909. *Smynthurus quadrimaculatus* Dow & Smith (692) p. 34; New Jersey.

1928. *Sminthurus quadrimaculatus* Folsom (800) p. 11–; New York.

1928. *Sminthurinus quadrimaculatus* Handschin (1002) p. 546, figs. 30–33; Mexico.

1930. *Sminthurinus quadrimaculatus* Mills (1417) p. 97; Illinois; Massachusetts; Maine; Minnesota; New York; Ontario.

1933. *Sminthurinus quadrimaculatus* Denis (645) p. 293: = *Smynthurus sexmaculatus.*

1934. *Sminthurinus quadrimaculatus* Folsom (803) p. 462, Pl. I, fig. 1; Pl. IV, figs. 21–27; figs. 28–31.

1942. *Sminthurinus quadrimaculatus* Scott (1796) p. 184; West U.S.A.

1956. *Sminthurinus quadrimaculatus* Stach (1894) p. 102; U.S.A.

1959. *Sminthurinus quadrimaculatus* Wilkey (2350) p. 222; California.

1960. *Sminthurinus quadrimaculatus* Willson (2436) p. 599; Physiology.

Sminthurinus quadrimaculatus bimaculatus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.

1951. *Sminthurinus quadrimaculatus bimaculatus* Maynard (1393) p. 230, Pl. XXVI, figs. 490–491; New York.

1959. *Sminthurinus quadrimaculatus bimaculatus* Wilkey (2350) p. 224; California.

Sminthurinus quadrimaculatus latipictus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.

1951. *Sminthurinus quadrimaculatus latipictus* Maynard (1393) p. 231, Pl. XXIII, figs. 391, 392; New York.

Sminthurinus radiculus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.

1951. *Sminthurinus radiculus* Maynard (1393) p. 224, Pl. XXIII, fig. 378, Pl. XXVI, figs. 468–488; New York.

1956. *Sminthurinus radiculus* Stach (1894) p. 98; U.S.A.

Sminthurinus radiculus pallens Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.

1951. *Sminthurinus radiculus pallens* Maynard (1393) p. 225, Pl. XXIII, fig. 380; New York.

Sminthurinus radiculus pictus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.

1951. *Sminthurinus radiculus pictus* Maynard (1393) p. 224, Pl. XXIII fig. 379; New York.

Sminthurinus remotus (Folsom) 1897

TYPES: Mus. Comp. Zool., Harvard.

1897. *Smynthurus remotus* Folsom (772) p. 448; U.S.A.

1934. *Sminthurinus remotus* Folsom (803) p. 461; Massachusetts; Redescription.

1942. *Sminthurinus remotus* Scott (1796) p. 184; West U.S.A.

1956. *Sminthurinus remotus* Stach (1894) p. 98; U.S.A.

Sminthurinus salti Delamare Deboutteville, 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1953. *Sminthurinus salti* Delamare Deboutteville (585) p. 828, figs. 7 a-h, 8 a-d; Kilimanjaro.

1954. *Sminthurinus salti* Salt (1723) p. 418; Kilimanjaro; Ecology.

1956. *Sminthurinus salti* Stach (1894) p. 106; Kilimanjaro.

Sminthurinus sayi Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.

1933. *Sminthurinus sayi* Denis (645) p. 276, figs. 72–85; Costa Rica.

1933. *Sminthurina sayi* Bonet (209) p. 185; Argentina.

1956. *Sminthurinus sayi* Stach (1894) p. 102; Costa Rica.

Sminthurinus similitortus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.

1951. *Sminthurinus similitortus* Maynard (1393) p. 232, Pl. XXIV, figs. 413–414; Pl. XXVII, figs, 509–514; Pl. XXIX, figs. 537–538; New York.

1956. *Sminthurinus similitortus* Stach (1894) p. 100; New York.

Sminthurinus stenognathus Börner, 1907

1907. *Sminthurinus stenognathus* Börner (244) p. 155, figs. 11–14; Fundu I., off E. Africa.

1953. *Sminthurinus stenognathus* Cassagnau (416) p. 226; Zanzibar.

1956. *Sminthurinus stenognathus* Stach (1894) p. 99; Fundu Island.

1959. *Sminthurinus stenognathus* Paclt (2316) p. 64; South Africa.

1960. *Sminthurinus stenognathus* Murphy (2385) p. 571, figs. 44–53, 119; Gambia.

Sminthurinus succineus Stach, 1923

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1923. *Sminthurinus succineus* Stach (1862) p. 55, Pl. 3, figs. 1–10; Bernstein.

Sminthurinus terrestris Womersley, 1931

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.

1931. *Sminthurinus terrestris* Womersley (2171) p. 138, Pl. IX, figs. 1–5; Sth. Africa.

1932. *Sminthurinus terrestris* Womersley (2172) p. 21, figs. 5 g-j; Australia.

1936. *Sminthurinus terrestris* Womersley (2183) p. 325; New Zealand.

1939. *Sminthurinus terrestris* Womersley (2190) p. 230, fig. 68, F-I; Australia.

1941. *Sminthurinus terrestris* Salmon (1753) p. 410, fig. 495; New Zealand.

1956. *Sminthurinus terrestris* Stach (1894) p. 99; Sth. Africa; Australia.

1959. *Sminthurinus terrestris* Paclt (2316) p. 65; South Africa.

Sminthurinus tricolor Schött, 1917

HOLOTYPE: Swed. Mus. Nat. Hist., Stockholm.
TYPE: Brit. Mus. Nat. Hist., London.
1917. *Sminthurinus tricolor* Schött (1774) p. 54, Pl. 4, fig. 5; Queensland.
1939. *Sminthurinus tricolor* Womersley (2190) p. 232; Queensland.
1956. *Sminthurinus tricolor* Stach (1894) p. 103; Australia.

Sminthurinus trinotatus (Axelson) 1905

TYPE: Univ. Mus., Div. Ent., Helsinki.
1905. *Sminthurinus igniceps trinotata* Axelson (80) p. 794; Finland.
1955. *Sminthurinus trinotatus* Stach (1893) p. 184, fig. 556; Europe.
1956. *Sminthurinus trinotatus* Stach (1894) p. 115, Pl. XV, figs. 3–11; Taxonomy; Poland.
1960. *Sminthurinus trinotatus* Gisin (2271) p. 280; Finland; England; Poland; Japan.
1960. *Sminthurinus trinotatus* Grindbergs (2373) p. 57; U.S.S.R.

Sminthurinus tunicatus Salmon, 1954

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.
1954. *Sminthurinus tunicatus* Salmon (1704) p. 216, figs. 10–16; New Zealand.
1956. *Sminthurinus tunicatus* Paviour-Smith (1570) p. 552; New Zealand.

Genus: KATIANNA Börner, 1906 (243) p. 182.
Type species fixed: *K. mnemosyne*, by Börner, 1906 (243) p. 182.

Katianna antennapartita Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Katianna antennapartita* Salmon (1676) p. 412, Pl. 71, figs. 503–506; New Zealand.

Katianna australis Womersley, 1932

SYNTYPES: Sth. Austr. Mus., Adelaide.
1932. *Katianna australis* Womersley (2172) p. 23, fig. 6 a-f; Description.
1932. *Katianna australis* Womersley (2173) p. 5, Pl. I, fig. 1, Text-fig. I, 1–5; Tasmania.
1933. *Katianna australis* Davidson & Swan (511) p. 351; Collecting Method.
1936. *Katianna australis* Womersley (2182) p. 483; Tasmania.
1936. *Katianna australis* Womersley (2183) p. 326; New Zealand.
1939. *Katianna australis* Womersley (2190) p. 233, Pl. I, fig. 5; fig. 69 A-E; Australia.
1941. *Katianna australis* Salmon (1676) p. 412; N.Z.

Katianna australis tillyardi Womersley, 1932

SYNTYPES: Sth. Austr. Mus., Adelaide.
1932. *Katianna australis tillyardi* Womersley (2172) p. 23; Australia.
1939. *Katianna australis tillyardi* Womersley (2190) p. 233; Australia.
1941. *Katiana australis tillyardi* Salmon (1676) p. 412; New Zealand.

Katianna australis viridula Womersley, 1932

1932. *Katianna australis viridula* Womersley (2172) p. 23; Australia.
1939. *Katianna australis viridula* Womersley (2190) p. 233; Australia.

Katianna cobold (Parona, 1895) Börner, 1907

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1895. *Sminthurus luteus* Parona (1565) p. 1; Argentina.
1895. *Sminthurus viridus* Parona (1565) p. 1; Argentina.
1907. *Katianna cobold* Börner (244) p. 173, figs. 43, 44, 46, 47, 49, 51; S. America.
1933. *Katianna cobold* Denis (645) p. 292; S. America; Synonymy.

Katianna cobold decora Börner, 1907

1907. *Katianna cobold decora* Börner (244) p. 174; Sth. America.

Katianna cobold guttulata Börner, 1907

1907. *Katianna cobold guttulata* Börner (244) p. 174; Sth. America.

Katianna coeruleocephala Handschin, 1920

1920. *Katianna coeruleocephala* Handschin (978) p. 145, figs. 19–21; Java.
1925. *Katianna coeruleocephala* Handschin (985) p. 267; Java.

Katianna gloriosa Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.
1946. *Katianna gloriosa* Salmon (1686) p. 38, figs. 19–20; New Zealand.

Katianna kerguelenensis Denis, 1947

1947. *Katianna kerguelenensis* Denis (673) p. 48, fig. V, 1–15; Kerguelen Islands.
1959. *Katianna kerguelenensis* Paclt (2316) p. 65, fig. 22; Sth. Africa.

***Katianna mnemosyne** Börner, 1907

1895. *Sminthurus multifasciatus* Parona (1565) p. 2; La Plata.
1907. *Katianna mnemosyne* Börner (244) p. 174, figs. 42, 45, 48, 50, 52; La Plata, Sth. America.
1933. *Katianna mnemosyne* Bonet (209) p. 187, fig. XX; Argentina.
1933. *Katianna mnemosyne* Denis (645) p. 292; Sth. America; Synonymy.

Katianna mucina Womersley, 1933

COTYPES: Sth. Austr. Mus., Adelaide.
1933. *Katianna mucina* Womersley (2174) p. 242, fig. 2; Australia.
1939. *Katianna mucina* Womersley (2190) p. 236, fig. 69 L-O; Australia.

Katianna oceanica Schött, 1917

LECTOTYPE, PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
LECTOTYPE: Brit. Mus. Nat. Hist., London.
1917. *Katianna oceanica* Schött (1774) p. 57, Pl. 4, figs. 6–10; Queensland.
1939. *Katianna oceanica* Womersley (2190) p. 235, fig. 69 I-K; Australia.

Katianna oceanica schoetti Womersley, 1933

COTYPE: Sth. Austr. Mus., Adelaide.
1933. *Katianna oceanica schötti* Womersley (2174) p. 242; Australia.

* Parona in 1895 (1565) described a collection of Collembola from Argentina and identified a species of *Sminthurus* as the species *multifasciatus* of Reuter, 1876. Börner in 1907 (244) pointed out that Parona's identification was incorrect and that he had in effect a new species: Börner described this species under the name of *mnemosyne*.

1935. *Katianna oceanica schötti* Womersley (2181) p. 218; Australia.
1939. *Katianna oceanica schötti* Womersley (2190) p. 235; Australia.

Katianna ornata Womersley, 1932
SYNTYPES: Sth. Austr. Mus., Adelaide.
1932. *Katianna ornata* Womersley (2172) p. 23, fig. 6 g-k; Australia.
1939. *Katianna ornata* Womersley (2190) p. 235, fig. 69 F-H; Australia.

Katianna perplexa Salmon, 1944
TYPE: Dominion Mus., Wellington, N.Z.
1944. *Katianna perplexa* Salmon (1683) p. 176, Pl. 63, figs. 182–183; New Zealand.

Katianna pescotti Womersley, 1935
SYNTYPES: Sth. Austr. Mus., Adelaide.
1935. *Katianna pescotti* Womersley (2181) p. 218, fig. 5 i-m; Australia.
1939. *Katianna pescotti* Womersley (2190) p. 236, fig. 69 P-S; Australia.

Katianna purpuravirida Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Katianna purpuravirida* Salmon (1676) p. 413, Pl. 71, figs. 500–502; New Zealand.

Katianna ruberoculata Salmon, 1944
TYPE: Dominion Mus., Wellington, N.Z.
1944. *Katianna ruberoculata* Salmon (1683) p. 175, Pl. 53, fig. 7; Pl. 63, figs. 179-181; New Zealand.

Katianna ruberoculata reducta Salmon, 1944
TYPE: Dominion Mus., Wellington, N.Z.
1944. *Katianna ruberoculata reducta* Salmon (1683) p. 176; New Zealand.

Katianna serrata (Schaeffer) 1897
1897. *Sminthurus serratus* Schaeffer (1736) p. 26, figs. 67–69; Navarin I.; S. of Sth. America.
1907. *Katianna serrata* Börner (244) p. 173; Systematics.
1912. *Sminthurus serratus* Enderlein (725) p. 128; Tierra del Fuego.
1956. *Sminthurus serratus* Stach (1894) p. 241; = Katianna.

Katianna uschuaiensis (Schaeffer) 1897
1897. *Sminthurus uschuaiensis* Schaeffer (1736) p. 27, figs. 70–72; Tierra del Fuego.
1907. *Katianna uschuaiensis* Börner (244) p. 173; Systematics.
1912. *Sminthurus uschuaiensis* Enderlein (725) p. 128; Tierra del Fuego.
1956. *Sminthurus uschuaiensis* Stach (1894) p. 241; = *Katianna.*

Genus: LONGKINGIA Salmon, 1946 (1686) p. 40.
Type species fixed: *L. prospina* by Salmon, 1946 (1686) p. 40.

Longkingia homerica Salmon, 1946
TYPE: Dominion Mus., Wellington, N.Z.
1946. *Longkingia homerica* Salmon (1686) p. 44, figs. 33–35; New Zealand.

Longkingia prospina Salmon, 1946
TYPE: Dominion Mus., Wellington, N.Z.
1946. *Longkingia prospina* Salmon (1686) p. 40, figs. 21–25; New Zealand.

Longkingia superba Salmon, 1946
TYPE: Dominion Mus., Wellington, N.Z.
1946. *Longkingia superba* Salmon (1686) p. 42, figs. 26–32; New Zealand.

Genus: PARAKATIANNA Womersley, 1932 (2172) p. 24.
Type species fixed: *P. spinata* by Womersley, 1932 (2172) p. 24.

Parakatianna albirubrafrons Salmon, 1943
TYPE: Dominion Mus., Wellington, N.Z.
1943. *Parakatianna albirubrafrons* Salmon (1681) p. 6, Pl. 2, figs. 17–20; New Zealand.

Parakatianna albirubrafrons niveanota Salmon, 1943
TYPE: Dominion Mus., Wellington, N.Z.
1943. *Parakatianna albirubrafrons niveanota* Salmon (1681) p. 7, Pl. I, fig. 5; New Zealand.

Parakatianna anomala Womersley, 1933
COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1933. *Parakatianna anomala* Womersley (2174) p. 244, fig. 5; Australia.
1939. *Parakatianna anomala* Womersley (2190) p. 239, fig. 70, G-L; Australia.

Parakatianna aurea Womersley, 1932
SYNTYPES: Sth. Austr. Mus., Adelaide.
1932. *Parakatianna aurea* Womersley (2172) p. 26, fig. 7, i-l; Australia.
1939. *Parakatianna aurea* Womersley (2190) p. 240, fig. 70 DD-GG; Australia.

Parakatianna cortica Salmon, 1943
TYPE: Dominion Mus., Wellington, N.Z.
1943. *Parakatianna cortica* Salmon (1681) p. 8, Pl. I, fig. 9; Pl. 2, figs. 24–27; New Zealand.

Parakatianna davidi (Tillyard) 1920
1920. *Arrhopalites davidi* Tillyard (1974) p. 14, figs. 6–8; Macquarie Island.
1925. *Arrhopalites davidi* Tillyard (1975) p. 302; Macquarie Island.
1937. *Parakatianna davidi* Womersley (2185) p. 6, fig. 2 a-d; Antarctic; Ad. descr.

Parakatianna diversitata Salmon, 1943
TYPE: Dominion Mus., Wellington, N.Z.
1943. *Parakatianna diversitata* Salmon (1681) p. 7, Pl. I, fig. 4; Pl. 2, figs. 21–23; New Zealand.

Parakatianna diversitata viridis Salmon, 1943
TYPE: Dominion Mus., Wellington, N.Z.
1943. *Parakatianna diversitata viridis* Salmon (1681) p. 8, Pl. I, fig. 11; New Zealand.

Parakatianna hexagona Salmon, 1941
TYPE: Dominion Mus., Wellington, N.Z.
1941. *Parakatianna hexagona* Salmon (1676) p. 414, Pl. 71, figs. 510–514; New Zealand.

Parakatianna montana Womersley, 1936
SYNTYPES: Sth. Austr. Mus., Adelaide.
1936. *Parakatianna montana* Womersley (2182) p. 483, fig. 6 a; Australia.
1939. *Parakatianna montana* Womersley (2190) p. 241, fig. 70 Z; Australia.

Parakatianna mountfordi Womersley, 1939
TYPE: Sth. Austr. Mus., Adelaide.
1939. *Parakatianna mountfordi* Womersley (2190) p. 242, fig. 71 A-F; Sth. Australia.

Parakatianna obscura Womersley, 1936
SYNTYPES: Sth. Austr. Mus., Adelaide.
1936. *Parakatianna obscura* Womersley (2182) p. 485, fig. 7 a-e; Australia.
1939. *Parakatianna obscura* Womersley (2190) p. 242, fig. 70 M-Q; Australia.

Parakatianna pulchella Womersley, 1933

COTYPES: Sth. Austr. Mus., Adelaide.

1933. *Parakatianna pulchella* Womersley (2174) p. 243, fig. 3; Australia.

1934. *Parakatianna pulchella* Womersley (2180) p. 244; Sth. Australia.

1939. *Parakatianna pulchella* Womersley (2190) p. 240, fig. 70 R-W; Australia.

Parakatianna serrata Womersley, 1936

SYNTYPES: Sth. Austr. Mus., Adelaide.

1936. *Parakatianna serrata* Womersley (2182) p. 484, fig. 6 b-d; Australia.

1939. *Parakatianna serrata* Womersley (2190) p. 241, fig. 70 AA-CC; Australia.

Parakatianna spinata Womersley, 1932

SYNTYPES: Sth. Austr. Mus., Adelaide.

1932. *Parakatianna spinata* Womersley (2172) p. 25, fig. 7 a-h; W. Australia.

1935. *Parakatianna spinata* Womersley (2181) p. 218; Australia.

1939. *Parakatianna spinata* Womersley (2190) p. 239, fig. 70 A-F; Australia.

Parakatianna splendida Womersley, 1933

COTYPE, PARATYPE: Sth. Austr. Mus., Adelaide.

1933. *Parakatianna splendida* Womersley (2174) p. 243, fig. 4; Australia.

1939. *Parakatianna splendida* Womersley (2190) p. 240, Pl. I, fig. 4; fig. 70 X-Y; Australia.

Parakatianna zebra Womersley, 1942

TYPE: Sth. Austr. Mus., Adelaide.

1942. *Parakatianna zebra* Womersley (2193) p. 30, fig. 7 A-E; Australia.

Genus: METAKATIANNA Denis, 1933 (645) p. 281.

Type species now designated: *M. puella* (Denis) by monotypy.

Metakatianna anglicana Salmon, 1955

TYPE: Brit. Mus. Nat. Hist., London.

1955. *Metakatianna anglicana* Salmon (1707) p. 242, figs. 9–15; Britain.

Metakatianna antennalis Rapoport, 1962

TYPE: Divn. Ent., Mus. de la Plata, Argentina.

1962. *Metakatianna antennalis* Rapoport (2533) p. 15, figs. 108–113; Argentina.

Metakatianna fasciata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Metakatianna fasciata* Salmon (1683) p. 178, Pl. 64, figs. 191–195; New Zealand.

Metakatianna nigraoculata Salmon, 1948

TYPE: Dominion Mus., Wellington, N.Z.

1948. *Metakatianna nigraoculata* Salmon (1687) p. 298, figs. 21–23; Three Kings Is., N.Z.

Metakatianna puella Denis, 1933

1933. *Metakatianna peulla* Denis (645) p. 281, figs. 86–97; Costa Rica.

Genus: PSEUDOKATIANNA Salmon, 1944 (1683) p. 179.

Type species fixed: *P. nigretalba* by Salmon, 1944 (1683) p. 179.

Pseudokatianna campbellensis Salmon, 1949

TYPE: Auth. Colln., Victoria Univ., Wellington, N.Z.

1949. *Pseudokatianna campbellensis* Salmon (1689) p. 52, figs. 161–163; Campbell Island.

Pseudokatianna fagophila Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Pseudokatianna fagophila* Salmon (1686) p. 50, figs. 47–50; N.Z.

Pseudokatianna livida (Salmon) 1943

TYPE: Dominion Mus., Wellington, N.Z.

1943. *Sminthurinus lividus* Salmon (1681) p. 2, Pl. 2, figs. 1–6; New Zealand.

1944. *Pseudokatianna livida* Salmon (1683) p. 181, *nov. comb.*, New Zealand.

Pseudokatianna lutea Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Pseudokatianna lutea* Salmon (1686) p. 51, figs. 45–46; N.Z.

Pseudokatianna minuta Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Pseudokatianna minuta* Salmon (1686) p. 53, figs. 55–57; N.Z.

Pseudokatianna nigretalba Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Pseudokatianna nigretalba* Salmon (1683) p. 179, Pl. 64, figs. 196–200; N.Z.

Pseudokatianna nigretalba aurea Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.

1944. *Pseudokatianna nigretalba aurea* Salmon (1683) p. 180; New Zealand.

Pseudokatianna niveovata Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Pseudokatianna niveovata* Salmon (1686) p. 48, figs. 40–44; N.Z.

Pseudokatianna niveovata nigra Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Pseudokatianna niveovata nigra* Salmon (1686) p. 50; New Zealand.

Pseudokatianna triclavata Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.

1949. *Pseudokatianna triclavata* Salmon (1689) p. 53, figs. 156–160; Campbell I.

Pseudokatianna triverrucata Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z

1944. *Pseudokatianna triverrucata* Salmon (1683) p. 181, Pl. 64, figs. 201–204; N.Z.

Pseudokatianna umbrosalata Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Pseudokatianna umbrosalata* Salmon (1686) p. 52, figs. 51–54; N.Z.

Pseudokatianna zebra Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Pseudokatianna zebra* Salmon (1686) p. 47, figs. 36–39; N.Z.

Genus: POLYKATIANNA Salmon, 1946 (1686) p. 54.

Type species fixed: *P. flammea* by Salmon, 1946 (1686) p. 54.

Polykatianna cremea Salmon, 1949

TYPE: Dominion Mus., Wellington, N.Z.

1949. *Polykatianna cremea* Salmon (1689) p. 55, figs. 164–167; Auckland Islands.

Polykatianna flammea Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.

1946. *Polykatianna flammea* Salmon (1686) p. 55, figs. 58–60; N.Z.

Polykatianna litorea (Salmon) 1943

TYPE: Dominion Mus., Wellington, N.Z.

1943. *Parakatianna litorea* Salmon (1681) p. 5, Pl. 2, figs. 14–16; N.Z.

1949. *Polykatianna litorea* Salmon (1689) p. 54; Auckland Islands.

Polykatianna litorea luteaterga (Salmon) 1943

TYPE: Dominion Mus., Wellington, N.Z.

1943. *Parakatianna litorea luteaterga* Salmon (1681) p. 6, Pl. I, fig. 6; N.Z.

***Polykatianna quinseta** (Salmon) 1954

TYPE: Brit. Mus. Nat. Hist., London.

PARATYPE: Auth. Colln., Victoria Univ., Wellington. N.Z.

1954. *Sphyrotheca quinseta* Salmon (1701) p. 163, figs. 9–15; Uganda.

1957. *Sphyrotheca quinseta* Jeannenot (1135) p. 415.

Genus: STENOGNATHELLUS Cassagnau, 1953 (416) p. 226.

Type species now designated: *S. denisi* Cassagnau, by monotypy.

Stenognathellus denisi Cassagnau, 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Toulouse, France.

1953. *Stenognathellus Denisi* Cassagnau (416) p. 227, fig. 1 A-I; France.

1960. *Sminthurinus denisi* Gisin (2271) p. 280; Europe.

Tribe: SMINTHURINI Börner, 1913 (249) p. 322.

Genus: SMINTHURUS Latreille, 1802 (1241) pp. 71–72. = *Rhopalothrix* Schött, 1926 (1779) p. 34.

Type species fixed: *S. viridis* Latreille, by Börner, 1906 (243) p. 183, by selection.

Sminthurus (emend. of *Smynthurus*); Proposed by Gisin, 1954 (1100) p. 104.

Smynthurus; spelling invalidated by Commission, 1958 (2376) p. 14.

Sminthurus Latreille, 1802. Placed on Official List of Generic Names, Int. Comm. Zool. Nomen., 1958 (2377) p. 94.

Sminthurus aculeatus Schött, 1901

1901. *Sminthurus aculeatus* Schött (1771) p. 327, figs. 47–51; Dutch New Guinea.

Sminthurus adirondackus Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.

1951. *Sminthurus adirondackus* Maynard (1393) p. 270, Pl. XXIV, figs. 415–417; Pl. XXXV, figs. 628–631; New York.

1956. *Sminthurus adirondackus* Stach (1894) p. 228; U.S.A.

Sminthurus albifrons Tullberg, 1871

TYPE ?: Swed. Mus. Nat. Hist., Stockholm.

1871. *Sminthurus albifrons* Tullberg (2002) p. 145; Sweden.

1872. *Sminthurus albifrons* Tullberg (2003) p. 32, Pl. IV, figs. 19, 20; Sweden.

1891. *Sminthurus albifrons* Reuter (1639) p. 232; Finland.

1893. *Sminthurus albifrons* Schött (1765) p. 30; Sweden.

1900. *Sminthurus albifrons* Börner (228) p. 615; Germany.

1924. *Sminthurus albifrons* Houlbert (1078) p. 158; France.

Sminthurus albipes Schött, 1896

1896. *Sminthurus albipes* Schött (1769) p. 170, Pl. I, figs. 3, 4; Nth. America.

Sminthurus albus Schaeffer, 1900

1900. *Sminthurus albus* Schaeffer (1739) p. 277, figs. 35–38; Germany.

Sminthurus amicus Folsom, 1896

TYPES: Mus. Comp. Zool., Harvard.

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.

1896. *Smynthurus amicus* Folsom (772) p. 447, figs. 7, 8; Massachusetts.

Sminthurus apicalis Reuter, 1880

1880. *Sminthurus apicalis* Reuter (1635) p. 20, Pl. I, figs. 1–12; Alandia Is.; Kokar Is.

1890. *Sminthurus apicalis* Uzel (2050) p. 37; Bohemia.

1891. *Sminthurus apicalis* Reuter (1639) p. 232; Finland.

1894. *Sminthurus apicalis* Levander (1279) pp. 1–10; Physiology.

1953. *Sminthurus apicalis* Lawrence (1251) p. 227–, fig. 96; Biology.

Sminthurus apicalis viridulus Reuter, 1891

1891. *Sminthurus apicalis viridulus* Reuter (1639) p. 231; Finland.

Sminthurus argenteornatus Banks, 1899

TYPES: Mus. Comp. Zool., Harvard.

1899. *Smynthurus argenteornatus* Banks (138) p. 196; Long Island, New York.

1951. *Sminthurus argenteornatus* Maynard (1393) p. 271, Pl. XXIV, fig. 421; Pl. XXXV, figs. 632–639; New York.

1956. *Sminthurus argenteornatus* Stach (1894) p. 237; U.S.A.

Sminthurus baulastinus Hardy, 1848

1848. *Smynthurus baulastinus* Hardy (1018) p. 764; Britain.

1956. *Smynthurus baulastinus* Paclt (1541) p. 125; Britain.

Sminthurus benitus Folsom, 1897

TYPE: Mus. Comp. Zool., Harvard.

1897. *Smynthurus benitus* Folsom (772) p. 446, fig. 5; Massachusetts.

Sminthurus bernardi Delamare Deboutteville, 1954

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.

1954. *Sminthurus bernardi* Delamare Deboutteville (584) p. 315; Algeria.

1960. *Sminthurus bernardi* Gisin (2271) p. 290; Algeria.

Sminthurus bicolor Parona, 1883

1883. *Sminthurus bicolor* Parona (1558) p. 460; Tunisia.

1884. *Sminthurus bicolor* Parona (1559) p. 429, Pl. II, fig. 1; Tunisia.

Sminthurus bimaculatus Tullberg, 1871

TYPE ?: Swed. Mus. Nat. Hist., Stockholm.

1871. *Sminthurus bimaculatus* Tullberg (2002) p. 145; Sweden.

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* This species is transferred to the genus *Polykatianna* following further examination as suggested by Stach, 1956 (1894) p. 206.

Sminthurus boneti Denis, 1948

1948. *Sminthurus boneti* Denis (676) p. 298, fig. 39; Indo-China.
1956. *Sminthurus boneti* Stach (1894) p. 234; Indo-China.

Sminthurus bourleti Gervais, 1844

1844. *Sminthurus Bourleti* Gervais (841) p. 403, Pl. 51, fig. 1; France.
1847. *Sminthurus bourletii* Nicolet (1496) p. 359; Paris.
1868. *Sminthurus Bourleti* Lubbock (1316) p. 297, Pl. XXI, figs. 8–10; England.
1937. *Smynthurus bourletii* Edinger (712) p. 9; California.

Sminthurus bremondi Delamare Deboutteville and Bassot, 1957

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1957. *Sminthurus bremondi* Delamare Deboutteville & Bassot (592) p. 80; Madeira.
1960. *Sminthurus bremondi* Gisin (2271) p. 295, fig. 546; Madeira.

Sminthurus brunneus (Harvey) 1900

1900. *Smynthurus brunneus* Harvey (1036) p. 550, Pl. XV, figs. 6–9; Maine.

Sminthurus buskii Lubbock, 1862

1862. *Sminthurus buskii* Lubbock (1314) p. 429–, Pl. XLV, figs. 1–14; Pl. XLVI, figs. 35, 37; Europe.

*** Sminthurus cameroonensis** *nom. nov.*

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Sminthurus* (*Rhopalothrix*) *maculatus* Schött (1764) p. 6, Pl. I, figs. 1–5; Cameroons.
1926. *Sminthurus* (*Rhopalithrix*) *maculatus* Schött (1779) p. 34, Pl. 4, figs. 6–9; Diagnosis; Cameroons.
1956. *Sminthurus maculatus* Stach (1894) pp. 207, 237; Taxonomy.

Sminthurus capucinus (Koch) 1840

1840. *Smynthurus capucinus* Koch (1187) p. 352; Europe.

Sminthurus cinctus Tullberg, 1871

TYPE ?: Swed. Mus. Nat. Hist., Stockholm.
1871. *Sminthurus cinctus* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus cinctus* Tullberg (2003) p. 31, Pl. III, figs. 15, 16; Sweden.
1881. *Sminthurus cinctus* Reuter (1632) p. 203; Finland.
1893. *Sminthurus cinctus* Schött (1765) p. 29; Sweden.
1890. *Sminthurus cinctus* Uzel (2050) p. 36; Bohemia.
1895. *Sminthurus cinctus* Reuter (1643) p. 12; Sweden; Finland; Germany; Bohemia; Siberia.
1896. *Sminthurus cinctus* Lie-Pettersen (1281) p. 9; Norway.
1899. *Sminthurus cinctus* Lie-Pettersen (1283) p. 4–; Norway.
1900. *Sminthurus cinctus* Schäffer (1739) p. 277; Germany.
1901. *Deuterosminthurus oblongus minor cincta* Börner (234) p. 112; Central Europe.
1901. *Sminthurus cinctus* Krausbauer (1204) p. 41; Germany.
1902. *Sminthurus cinctus* Becker (158) p. 21; Russia.
1906. *Sminthurus cinctus* Wahlgren (2080) p. 269; Sweden.
1908. *Sminthurus cinctus* Schille (1755) p. 15; Poland.
1908. *Sminthurus cinctus* Bagnall (100) p. 83; Britain.
1910. *Bourletiella cincta* Bagnall (102) p. 508; Britain.
1912. *Sminthurus cinctus* Schille (1756) p. 15; Galizien.

Sminthurus clavatus Banks, 1897

TYPE: Mus. Comp. Zool., Harvard, U.S.A.
1897. *Smynthurus clavatus* Banks (136) p. 33; New York.
1899. *Smynthurus clavatus* Banks (138) p. 197; Long Island, New York.
1909. *Smynthurus clavatus* Dow & Smith (692) p. 34; New Jersey.
1938. *Neosminthurus clavatus* Brimley (275) p. 17; Nth. Carolina.
1938. *Neosminthurus clavatus* Mills (1421) p. 17; Nth. Carolina.
1951. *Neosminthurus clavatus* Maynard (1393) p. 239, Pl. XXIX, figs. 546–551; New York.

Sminthurus coecus (Joseph) 1882

1882. *Smynthurus coecus* Joseph (1150) p. 28; Europe.

Sminthurus couloni Nicolet, 1842

1842. *Smynthurus Couloni* Nicolet (1493) p. 84, Pl. 9, fig. 12; Europe.
1844. *Smynthurus Couloni* Gervais (841) p. 402; Switzerland.
1844. *Smynthurus coulonii* Lucas (1327) p. 297; Reference.
1845. *Sminthurus coulonii* Bourlet (266) p. 68; Europe.
1847. *Smynthurus coulonii* Nicolet (1496) p. 359; Switzerland.
1902. *Dicyrtoma minuta couloni* Voights (2067) p. 524; Germany.
1926. *Dicyrtomina minuta couloni* Handschin (990) p. 126; Algeria.
1933. *Dicyrtoma minuta couloni* Schubert (1787) p. 181; Ecology.
1937. *Dicyrtomina minuta couloni* Drenowski (695) p. 4; Bulgaria.
1937. *Dicyrtomina minuta couloni* Frenzel (828) p. 305; Ecology.

Sminthurus cucumeris Beling, 1887

1887. *Sminthurus cucumeris* Beling (170) p. 61; = ? *Smynthurus solani* Curtis.
1956. *Sminthurus cucumeris* Paclt (1541) p. 125.

Sminthurus daisetsuzanus Uchida, 1957

1957. *Sminthurus daisetsuzanus* Uchida (2038) p. 25, fig. 2; Japan.

Sminthurus deformis (Nicolet) 1847

1847. *Smynthurus deformis* Nicolet (1496) p. 359; Chile.
1849. *Smynthurus deformis* Nicolet (1497) p. 86; Chile.

Sminthurus denisi (Womersley) 1932

SYNTYPES: Sth. Austr. Mus., Adelaide.
1932. †*Sminthurus longicornis* Womersley (2172) p. 38, fig. 17 a-g; Australia.
1934. *Sminthurus denisii* Womersley (2180) p. 244; Australia.

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* As both *maculatus* and Schött's personal name are pre-occupied trivial names under the genus *Sminthurus*, I have here renamed Schött's *maculatus* after the place where it was found.

† *S. longicornis* Womersley *nec* Joseph, *nec* Schött; cf. Stach (1894) p. 231.

1936. *Sminthurus denisi* Womersley (2183) p. 326; New Zealand.
1939. *Sminthurus denisi* Womersley (2190) p. 257, fig. 74 H-L; W. Australia.
1941. *Sminthurus denisi* Salmon (1676) p. 418, fig. 529-530; New Zealand.
1956. *Sminthurus denisi* Stach (1894) p. 231; Australia; New Zealand; Taxonomy.

Sminthurus doderii Parona, 1888

1888. *Smynthurus Doderii* Parona (1563) p. 136 and fig; Italy.
1888. *Smynthurus doderii* Parona (1562) p. 84; Italy.
1925. *Sminthurus doderoi* Denis (617) p. 212; Italy.

Sminthurus doriae Parona, 1883

1883. *Sminthurus Doriae* Parona (1558) p. 460; Tunisia.
1884. *Sminthurus doriae* Parona (1559) p. 430, Pl. II, fig. 2 a, b; Tunisia.

Sminthurus dorsalis Banks, 1899

TYPE: Mus. Comp. Zool., Harvard, U.S.A.
1899. *Smynthurus dorsalis* Banks (138) p. 196; Long Island, New York.
1951. *Sminthurus dorsalis* Maynard (1393) p. 265, Pl. XXIII, fig. 610, Pl. XXXIV, figs. 611–612; New York.
1956. *Sminthurus dorsalis* Stach (1894) p. 232; U.S.A.

Sminthurus echii (Koch) 1840

1840. *Smynthurus echii* Koch (1187) p. 353; Europe.

Sminthurus echinatus Stach, 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Sminthurus echinatus* Stach (1870) p. 72, Pl. XV, figs. 8–15; Spain.
1956. *Sminthurus echinatus* Stach (1894) p. 235; Spain.
1960. *Sminthurus echinatus* Gisin (2271) p. 295, fig. 547; Corsica; Italy; Spain.

Sminthurus eisenii Schött, 1891

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1891. *Sminthurus eisenii* Schött (1762) p. 7, Pl. I, figs. 5–6; California.
1933. *Sminthurus eisenii* Edinger (711) p. 7; California.
1937. *Sminthurus eisenii* Edinger (712) p. 9; California.
1956. *Sminthurus eisenii* Stach (1894) p. 236; California.

Sminthurus elegans Womersley, 1933

TYPE: Sth. Austr. Mus., Adelaide.
1933. *Sminthurus elegans* Womersley (2174) p. 246, fig. 7; Australia.
1939. *Sminthurus elegans* Womersley (2190) p. 258, fig. 74 M-P; Australia.
1956. *Sminthurus elegans* Stach (1894) p. 227; Australia.

Sminthurus elegantulus Reuter, 1880

1880. *Sminthurus elegantulus* Reuter (1635) p. 20, Pl. figs. 1–12; Alandia Is.; Kokar Is.
1881. *Sminthurus elegantulus* Reuter (1632) p. 204; Finland.
1890. *Sminthurus elegantulus* Uzel (2050) p. 37; Bohemia.
1891. *Sminthurus elegantulus* Reuter (1639) p. 232; Finland.
1900. *Sminthurides elegantulus* Börner (228) p. 616; Germany.

Sminthurus erinaceus Börner, 1903

TYPE: Deutsch. Entom. Inst., Berlin.
1903. *Sminthurus erinaceus* Börner (239) p. 165, fig. 19; Sicily.
1925. *Sminthurus erinaceus* Denis (617) p. 212; Italy.
1956. *Sminthurus erinaceus* Stach (1894) p. 235; Sicily.
1960. *Sminthurus erinaceus* Gisin (2271) p. 294; Sicily.

Sminthurus exiguus (Nicolet) 1847

1847. *Smynthurus exiguus* Nicolet (1496) p. 360; Chile.
1849. *Smynthurus exiguus* Nicolet (1497) p. 87; Chile.

Sminthurus facialis Banks, 1903

COTYPES: Mus. Comp. Zool., Harvard.
1903. *Smynthurus facialis* Banks (139) p. 154; Washington, D.C.
1951. *Smynthurus facialis* Maynard (1393) p. 264, Frontispiece, Pl. XXIV, fig. 426, Pl. XXXIII, figs. 606–609; New York.
1956. *Sminthurus facialis* Stach (1894) p. 227; U.S.A.

Sminthurus fitchi Folsom, 1897

TYPES: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1897. *Smynthurus fitchii* Folsom (772) p. 449; Massachusetts.
1934. *Sminthurus fitchi* Folsom (803) p. 470, Pl. XII, figs. 100–105; Massachusetts.
1942. *Sminthurus fitchi* Brimley (276) p. 4; N. Carolina.
1942. *Smynthurus fitchi* Mills (1423) p. 4; N. Carolina.
1951. *Sminthurus fitchi* Maynard (1393) p. 261, Pl. XXIV, fig. 431; New York.
1954. *Sminthurus fitchi* Bellinger (174) p. 27–; Connecticut.
1956. *Sminthurus fitchi* Stach (1894) p. 233; U.S.A.

Sminthurus flaviceps Tullberg, 1871

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1871. *Sminthurus flaviceps* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus flaviceps* Tullberg (2003) p. 30, Pl. III, figs. 6, 7; Sweden.
1876. *Sminthurus flaviceps fennica* Reuter (1628) pp. 79, 83; Finland.
1893. *Sminthurus flaviceps* Schött (1765) p. 24, Pl. I, figs. 7–10; Sweden; Finland.
1897. *Sminthurus flaviceps* Schäffer (1735) p. 210; Germany.
1900. *Sminthurus flaviceps* Börner (228) p. 612; = *Eusminthurus* ?
1900. *Smynthurus flaviceps* Vellay (2056) p. 20; Hungary.
1901. *Sminthurus flaviceps* Krausbauer (1204) p. 41; Germany.
1902. *Sminthurus flaviceps* Becker (158) p. 20, fig. 1; Russia.
1903. *Sminthurus flaviceps* Ågren (55) p. 168, fig. 26; Sweden.
1906. *Sminthurus flaviceps* Wahlgren (2080) p. 270; Sweden.
1912. *Sminthurus flaviceps* Schille (1756) p. 15; Galizien.
1915. *Sminthurus flaviceps* Ionesco (1105) p. 224; Rumania.
1918. *Smynthurus flaviceps* Vellay (2058) p. 20; Hungary.
1929. *Sminthurus flaviceps* Handschin (1008) p. 118, fig. 211; Sweden.
1930. *Sminthurus flaviceps* Buitendijk (334) p. 74; Holland.
1930. *Sminthurus flaviceps* Kel'shtein (1161) p. 78; Russia.
1934. *Sminthurus flaviceps* Agrell (37) p. 235; Ecology; Sweden.

1937. *Sminthurus flaviceps* Schubert (1792) p. 129; Germany.
1941. *Sminthurus flaviceps* Buitendijk (336) p. 91, fig. 23; Netherlands; Mid. Europe.
1943. *Sminthurus flaviceps* Agrell (47) p. 127; Sweden.
1951. *Sminthurus flaviceps* Praport (1610) p. 145; Poland.
1951. *Sminthurus flaviceps* Schaller (1746) p. 492; Ecology.
1955. *Sminthurus flaviceps* Stach (1893) p. 191, figs. 578–584; Europe.
1956. *Sminthurus flaviceps* Stach (1894) p. 256, Pl. XXX; Poland; Slovakia; Ukraine; Caucasus; Hungary.
1958. *Sminthurus flaviceps* Grindbergs (2276) p. 78; Latvia.
1959. *Sminthurus flaviceps* Grindbergs (2277) p. 205; Latvia.
1960. *Sminthurus flaviceps* Gisin (2271) p. 291; Europe.
1960. *Sminthurus* (*Sminthurus*) *flaviceps* Grindbergs (2373) p. 60; U.S.S.R.

Sminthurus flaviceps bifasciatus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Sminthurus flaviceps bifasciata* Stach (1894) p. 260, Pl. XXXII, fig. 2; Poland; Caucasus.
1960. *Sminthurus* (*Sminthurus*) *flaviceps bifasciata* Grindbergs (2373) p. 60; U.S.S.R.

Sminthurus flaviceps discolor Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Sminthurus flaviceps discolor* Stach (1894) p. 226; Poland.

Sminthurus flaviceps fennicus Reuter, 1876

1876. *Sminthurus flaviceps fennicus* Reuter (1628) pp. 79, 83; Finland.
1895. *Sminthurus flaviceps fennicus* Reuter (1643) p. 10; Finland; Sweden; Hungary.
1896. *Sminthurus flaviceps fennica* Schäffer (1735) p. 210; Germany.
1900. *Smynthurus flaviceps fennicus* Vellay (2056) p. 20; Hungary.
1900. *Sminthurus flaviceps fennica* Börner (228) p. 612; = *Eusminthurus* ?
1901. *Sminthurus flaviceps fennica* Krausbauer (1204) p. 41; Germany.
1903. *Sminthurus flaviceps fennica* Becker (159) p. 2.
1905. *Sminthurus flaviceps fennica* Axelson (81) p. 43; Finland.
1905. *Sminthurus flaviceps fennica* Becker (160) pp. 11, 95; Russia.
1906. *Sminthurus flaviceps fennica* Wahlgren (2080) p 270; Sweden.
1907. *Sminthurus flaviceps fennica* Axelson (83) p. 134; Finland.
1912. *Sminthurus flaviceps fennica* Axelson (1292) p. 317; Finland.
1912. *Sminthurus flaviceps fennica* Schille (1756) p. 15; Galizien.
1912. *Sminthurus flaviceps fennicus* Schille (2394) p. 129; Poland.
1918. *Smynthurus flaviceps fennicus* Vellay (2058) p. 20; Hungary.
1930. *Sminthurus flaviceps fennicus* Stach (1869) p. 311; Sweden; Finland; Russia.
1933. *Sminthurus flaviceps fennica* Schubert (1787) p. 187; Ecology.
1937. *Sminthurus flaviceps fennica* Schubert (1792) p. 130; Nth. and Central Europe.
1949. *Sminthurus flaviceps fennica* Strenzke (1922) p. 208; Germany; Ecology.

Sminthurus flaviceps ornatus (Tullberg) 1871

TYPE ?: Swed. Mus. Nat. Hist., Stockholm.
1871. *Sminthurus flaviceps ornata* Tullberg (2002) p. 145; Sweden.
1890. *Sminthurus fuscus ornata* Uzel (2050) p. 34, Pl. I, fig. 1; *partim*; Bohemia.
1915. *Sminthurus flaviceps ornata* Ionesco (1105) p. 224; Rumania.
1916. *Sminthurus flaviceps ornata* Ionesco (1106) p. 504, fig. 17; Rumania.
1920. *Sminthurus flaviceps ornata* Ionesco (1107) p. 32, fig. 15; Rumania.
1922. *Sminthurus flaviceps media* Stach (1860) p. 69; Hungary.
1930. *Sminthurus flaviceps media* Stach (1869) p. 311; Poland; Hungary; Rumania.
1956. *Sminthurus flaviceps ornata* Stach (1894) p. 259, Pl. XXX, fig. 2; Poland; Slovakia.

Sminthurus floridanus (MacGillivray) 1893

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1893. *Smynthurus floridanus* MacGillivray (1342) p. 127; N. America.
1894. *Smynthurus floridana* MacGillivray (1343) p. 109; Nth. America.
1934. *Sminthurus floridana* Folsom (803) p. 469, Pl. I, fig. 3; Pl. X, figs. 81–85; Florida.
1956. *Sminthurus floridanus* Stach (1894) p. 230; U.S.A.

Sminthurus fraternus Banks, 1899

1899. *Smynthurus fraternus* Banks (138) p. 197; Long Island, New York.

Sminthurus fulvipes (Nicolet) 1847

1847. *Smynthurus fulvipes* Nicolet (1496) p. 359; Chile.
1849. *Smynthurus fulvipes* Nicolet (1497) p. 87; Chile.

Sminthurus fulvus Lie-Pettersen, 1896

1896. *Sminthurus fulvus* Lie-Pettersen (1281) p. 9, Pl. I, figs. 1–4; Norway.
1898. *Sminthurus fulvus* Lie-Pettersen (1282) p. 7; Norway.

Sminthurus gallicus Carl, 1899

1899. *Sminthurus gallicus* Carl (351) p. 7, figs. 4–7; France.
1901. *Sminthurus gallicus* Carl (354) p. 274; Switzerland.
1924. *Sminthurus gallica* Denis (614) p. 294; France.
1933. *Sminthurus gallicus* Denis (645) p. 307; France; Ad. descr.
1948. *Sminthurus gallicus* Gisin (869) p. 511; Switzerland; France.
1956. *Sminthurus gallicus* Stach (1894) p. 233; France.
1960. *Sminthurus gallicus* Gisin (2271) p. 294, figs. 65, 543–545; France; Switzerland.

Sminthurus gracilis Joseph, 1881

1881. *Smynthurus gracilis* Joseph (1149) p. 268; South Austria, caves.
1882. *Smynthurus gracilis* Joseph (1150) p. 27; Europe.

Sminthurus granulosus Enderlein, 1909

1909. *Sminthurus granulosus* Enderlein (724) p. 409, figs. 215–219, 231; Crozet I.; Antarctic.

Sminthurus guthriei Stach, 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Sminthurus guthriei* Stach (1859) p. 211, Pl. 5, fig. 5; Poland.

1929. *Sminthurus guthriei* Handschin (1008) p. 119, fig. 212; Poland.
1930. *Sminthurus guthriei* Stach (1869) p. 310; Poland.
1955. *Sminthurus guthriei* Stach (1893) p. 192, figs. 585–587; Add. description.
1956. *Sminthurus guthriei* Stach (1894) p. 248, Pl. XXIX; Poland; Caucasus; Ukraine.
1960. *Sminthurus guthriei* Gisin (2271) p. 292; Poland; Caucasus; Ukraine.
1960. *Sminthurus* (*Sminthurus*) *guthriei* Grindbergs (2373) p. 60; U.S.S.R.

Sminthurus guthriei aurantiacus Stach, 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Sminthurus guthriei aurantiaca* Stach (1859) p. 214; Poland.
1930. *Sminthurus guthriei aurantiaca* Stach (1869) p. 310; Poland.

Sminthurus guttatus Say, 1821

1821. *Smynthurus guttatus* Say (1730) p. 11–; Georgia, U.S.A.
1840. *Smynthurus guttatus* Lucas (1326) p. 568; Georgia.
1841. *Sminthurus guttatus* Bourlet (261) p. 158; Georgia.
1843. *Sminthurus guttatus* Bourlet (265) p. 65; Georgia.
1844. *Smynthurus guttatus* Gervais (841) p. 406; Georgia.
1847. *Dicyrtoma guttata* Nicolet (1496) p. 361; Georgia.
1859. *Smynthurus guttatus* Le Conte (2381) p. 8; Nth. America.
1873. *Smynthurus guttatus* Packard (1521) p. 45; Georgia.
1881. *Sminthurus guttatus* Reuter (1632) p. 203; Finland.
1883. *Smynthurus guttatus* Say (1731) p. 7–; North America.
1891. *Papirius guttatus* MacGillivray (1341) p. 271; Georgia.
1895. *Papirius guttatus* Dalla Torre (498) p. 9; America.
1899. *Dicyrtoma guttata* Banks (138) p. 197; Long Island; New York.
1907. *Papirius guttatus* Jackson (1115) p. 166; U.S.A.

Sminthurus henshawi Folsom, 1896

SYNTYPES: Mus. Comp. Zool., Harvard.
1896. *Smynthurus henshawii* Folsom (772) p. 449; Massachusetts.

Sminthurus hessei Poppe, 1886

1886. *Smynthurus hessei* Poppe (1606) p. 320; S.W. Africa.

Sminthurus laterculus Koch, 1840

1840. *Smynthurus laterculus* Koch (1187) p. 353; Europe.

Sminthurus lesnei Denis, 1925

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1925. *Sminthurus lesnei* Denis (621) p. 279, figs. 124–131; Algeria.
1956. *Sminthurus lesnei* Stach (1894) p. 227; France, Algeria.
1960. *Sminthurus lesnei* Gisin (2271) p. 291; S. France; Algeria.

Sminthurus lesnei maculatus Denis, 1925

1925. *Sminthurus lesnei maculata* Denis (621) p. 283; Algeria.

Sminthurus lesnei obscurus Denis, 1925

1925. *Sminthurus lesnei obscura* Denis (621) p. 282; Algeria.

Sminthurus lesnei remaudierei Delamare Deboutteville, 1945

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1945. *Sminthurus lesnei remaudièrei* Delamare Deboutteville (537) p. 72; French Pyrenees.

Sminthurus liliputanus Nicolet, 1847

1847. *Smynthurus liliputanus* Nicolet (1496) p. 360; Chile.
1849. *Smynthurus liliputanus* Nicolet (1497) p. 87; Chile.

Sminthurus longicornis Joseph, 1882

1882. *Smynthurus longicornis* Joseph (1150) p. 27; Europe.
1956. *Sminthurus longicornis* Stach (1894) p. 239, *nec.* Schott, *nec.* Womersley = *Arrhopalites sp?*
1960. *Sminthurus longicornis* Grindbergs (2373) p. 64; U.S.S.R.

Sminthurus longipes Börner, 1906

1906. *Sminthurus longipes* Börner (243) p. 184; Paraguay.
1956. *Sminthurus longipes* Stach (1894) p. 234; Paraguay.

Sminthurus longisetus Guthrie, 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, U.S.A.
1903. *Sminthurus longisetus* Guthrie (951) p. 51, Pl. III, figs. 8–13 b; Minnesota.
1934. *Sminthurus longisetus* Mills (1417) p. 98; Iowa; Minnesota.
1938. *Sminthurus longisetus* Brimley (275) p. 16; Nth. Carolina.
1957. *Sphyrotheca longisetus* Jeannenot (1135) p. 412.

Sminthurus lupulinae Bourlet, 1841

1841. *Sminthurus lupulinae* Bourlet (261) p. 147; France.
1842. *Smynthurus viridis* Nicolet (1493) p. 82, Pl. 9; fig. 9; Europe.
1843. *Smynthurus lupulinae* Bourlet (265) p. 53; France.
1844. *Smynthurus lupulinae* Gervais (841) p. 404; France.
1844. *Smynthurus lupulinae* Lucas (1327) p. 297; Reference.
1847. *Smynthurus lupulinae* Nicolet (1496) p. 358; France; Switzerland.
1878. *Smynthurus lupulinae* Megnin (1395) pp. CXXXV, CXXXVI; France.
1883. *Sminthurus lupulinae* Parona (1558) p. 453; Italy.
1888. *Smynthurus lupulinae* Parona (1563) p. 136; Italy.
1956. *Smynthurus lupulinae* Paclt (1541) p. 127; Biology.

Sminthurus lusseri Nicolet, 1847

1847. *Smynthurus lusseri* Nicolet (1496) p. 360, Pl. 6, fig. 5; Switzerland.

Sminthurus macroceros Denis, 1933

1933. *Sminthurus macroceros* Denis (645) pp. 222, 302, figs. 137–145; Nomenclature; Costa Rica.
1956. *Sminthurus macroceros* Stach (1894) p. 234; Systematics.
1960. *Sminthurus macroceros* Murphy (2385) p. 589; Costa Rica.

Sminthurus maculatus Tomosvary, 1883

1883. *Smynthurus maculatus* Tomosvary (1984) p. 36 and fig; Hungary.
1900. *Smynthurus maculatus* Vellay (2056) p. 20; Hungary.

1900. *Sminthurus maculatus* Vellay (2057) p. 43; Hungary.
1918. *Smynthurus maculatus* Vellay (2058) p. 20; Hungary.
1956. *Smynthurus maculatus* Stach (1894) p. 273, Pl. XXXIII, figs. 6–8; Poland.
1956. *Sminthurus maculatus* Stevanovic (1903) p. 4–; Yugoslavia.
1960. *Sminthurus maculatus* Gisin (2271) p. 293; Europe.
1960. *Sminthurus* (*Sminthurus*) *maculatus* Grindbergs (2373) p. 60; U.S.S.R.

Sminthurus marginatus Schött, 1893

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1893. *Sminthurus marginatus* Schött (1765) p. 25, Pl. I, figs. 11–14; Sweden.
1900. *Sminthurus marginatus* Börner (228) p. 612; Systematics.
1901. *Sminthurus marginatus* Krausbauer (1204) p. 40; Germany.
1902. *Sminthurus marginatus* Schött (1772) p. 39; Russia; Sweden.
1903. *Sminthurus marginatus* Ågren (55) p. 167, fig. 25; Sweden.
1906. *Sminthurus marginatus* Wahlgren (2080) p. 270; Sweden.
1915. *Sminthurus marginatus* Ionesco (1105) p. 224; Rumania.
1916. *Sminthurus marginatus* Ionesco (1106) p. 507; Rumania.
1920. *Sminthurus marginatus* Ionesco (1107) p. 33; Rumania.
1920. *Sminthurus marginatus* Stach (1859) p. 210; Poland; Sweden; Russia; Germany.
1922. *Sminthurus marginatus* Latzel (1250) p. 76; Austria.
1924. *Sminthurus marginatus* Denis (614) p. 286, fig. 38; France.
1925. *Sminthurus marginatus* Denis (617) p. 209; Italy.
1930. *Sminthurus marginatus* Kel'shtein (1161) p. 78; Russia.
1930. *Sminthurus marginatus* Stach (1869) p. 310; Europe; Russia; Sweden.
1937. *Sminthurus marginatus* Kseneman (1217) p. 473; Carpathians.
1943. *Sminthurus marginatus* Agrell (47) p. 127; Sweden.
1943. *Sminthurus marginatus* Gisin (853) p. 182; Switzerland.
1948. *Sminthurus marginatus* Denis (677) p. 10, fig. 4 a-i; Corsica.
1951. *Sminthurus marginatus* Praport (1610) p. 145; Poland.
1955. *Sminthurus marginatus* Stach (1893) p. 190, figs. 576, 577; Europe.
1956. *Sminthurus marginatus* Paclt (1540) p. 355; fig. 3; Europe.
1956. *Sminthurus marginatus* Stach (1894) p. 252, Pl. XXI, figs. 1–4; Poland; Ukraine; Hungary.
1958. *Sminthurus marginatus* Nosek (1503) p. 357–; Czechoslovakia.
1958. *Sminthurus marginatus* von Torne (1993) p. 674; Austria.
1959. *Sminthurus marginatus* Paclt (2317) p. 343; Czechoslovakia.
1960. *Sminthurus marginatus* Gisin (2271) p. 295; Europe.

Sminthurus marginatus cinereus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Sminthurus marginatus cinereus* Stach (1894) p. 235; Poland.

Sminthurus marmorellus Latzel, 1917

1917. *Sminthurus marmorellus* Latzel (1249) p. 250; Austria.
1922. *Sminthurus marmorellus* Latzel (1250) p. 75; Austria.

Sminthurus medialis Mills, 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Sminthurus medialis* Mills (1417) p. 103, figs. 175–177; Iowa.
1946. *Sminthurus medialis* Pearse (1575) p. 139; Ecology.
1956. *Sminthurus medialis* Stach (1894) p. 232; U.S.A.
1959. *Sminthurus medialis* Wilkey (2350) p. 224; California.

Sminthurus melanotus Uchida, 1938

1938. *Sminthurus melanotus* Uchida (2016) p. 132, fig. 1; Hikosan, Japan.
1938. *Sminthurus melanonotus* Uchida (2015) p. 9; Japan.
1950. *Sminthurus melanonotus* Kinoshita and Uchida (1179) p. 16 and figs.; Japan.
1956. *Sminthurus melanotus* Stach (1894) p. 231; Japan.
1956. *Sminthurus melanonotus* Yosii (2235) p. 96, Pl. XLVIII, figs. 324–329; Japan.
1959. *Sminthurus melanonotus* Uchida (2403) p. 23; Japan.

Sminthurus minimus Schött, 1893

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1893. *Sminthurus minimus* Schött (1764) p. 7, Pl. I, figs. 6–8; Cameroons.
1898. *Sminthurus minimus* Scherbakow (1750) p. 60; Kiev, Russia.
1926. *Sphaeridia minimus* Schött (1779) p. 33, Pl. IV, figs. 1–5; Cameroons; Diagnosis.
1938. *Sminthurides* (*Sphaeridia*) *minimus* Folsom and Mills (807) p. 271; W. Africa; Russia.
1959. *Sphaeridia minima* Jeannenot (2287) p. 12–; Systematics.
1959. *Sminthurides* (*Sphaeridia*) *minimus* Paclt (2316) p. 63; South Africa.

Sminthurus multidentatus Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Sminthurus multidentata* Salmon (1681) p. 10, Pl. I, fig. 1, Pl. 2, figs. 31–32; New Zealand.
1956. *Sminthurus multidentatus* Stach (1894) p. 230; New Zealand.

Sminthurus multifasciatus Reuter, 1876

1876. *Sminthurus multifasciatus* Reuter (1628) p. 78–; Finland.
1881. *Sminthurus multifasciatus* Reuter (1632) p. 203; Finland.
1890. *Sminthurus multifasciatus* Reuter (1638) p. 21, Pl. I, fig. 1; Finland.
1891. *Sminthurus multifasciatus* Reuter (1639) p. 232; Finland.
1893. *Sminthurus multifasciatus* Schött (1765) p. 27, Pl. I, figs. 15–17; Sweden.
1895. *Sminthurus multifasciatus* Parona (1565) p. 697; Argentina.
1895. *Sminthurus multifasciatus* Reuter (1643) p. 11; Finland.
1900. *Sminthurus multifasciatus* Reuter (1648) p. 54; Finland.
1960. *Sminthurus multifasciatus* Gisin (2271) p. 291; Finland; Japan.

Sminthurus multipunctatus (Tullberg) 1876

1876. *Sminthurus variegatus* Tullberg (2004) p. 29, Pl. VIII, figs. 1–4; Boreal.
1896. *Sminthurus viridis multipunctatus* Schaeffer (1735) p. 210, Pl. I, fig. 6; Germany.
1901. *Sminthurus variegatus* Börner (234) p. 114, figs. 37, 52, 54; Central Europe.
1903. *Sminthurus ammophilus* Börner (239) p. 165; Europe.

COTYPE: Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.

1909. *Sminthurus multipunctatus* Börner (246) p. 126; Japan.
1922. *Sminthurus multipunctatus* Stach (1860) p. 66, Pl. II, fig. 10, Pl. IV, figs. 1, 2; Hungary; Synonymy.
1929. *Sminthurus multipunctatus* Handschin (1008) p. 119, fig. 213; Germany; Hungary.
1929. *Sminthurus multipunctatus* Stach (1869) p. 311; Hungary.
1930. *Sminthurus multipunctatus* Denis (636) p. 87; **Spain.**
1931. *Sminthurus multipunctatus* Denis (639) p. 235; Hungary.
1933. *Sminthurus multipunctatus* Denis (645) p. 309; Synonymy.
1933. *Sminthurus multipunctatus* Schubert (1787) p. 189; Ecology.
1935. *Sminthurus multipunctatus* Schubert (1791) p. 121–; Germany.
1937. *Sminthurus multipunctatus* Schubert (1792) p. 129; Central Europe.
1942. *Sminthurus multipunctatus* Marlier (1375) p. 11; Belgium.
1945. *Sminthurus multipunctatus* Delamare Deboutteville (537) p. 72; France.
1951. *Sminthurus multipunctatus* Schaller (1746) p. 492; Ecology.
1952. *Sminthurus multipunctatus* Mihelcic (1406) p. 96; Ecology.
1955. *Sminthurus multipunctatus* Stach (1893) p. 192, fig. 591; Poland.
1956. *Sminthurus multipunctatus* Stach (1894) p. 262, Pl. XXXII, fig. 1, Pl. XXXIII, figs. 1–5; Poland; Bulgaria; Slovakia; Hungary.
1960. *Sminthurus multipunctatus* Gisin (2271) p. 292; Europe.
1960. *Sminthurus* (*Sminthurus*) *multipunctatus* Grindbergs (2373) p. 60; U.S.S.R.

Sminthurus multipunctatus albopunctatus Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1922. *Sminthurus multipunctatus albopunctata* Stach (1860) p. 68, Pl. IV, fig. 2; Hungary.
1929. *Sminthurus multipunctatus albopunctata* Stach (1869) p. 311; Europe.
1935. *Sminthurus multipunctatus albopunctata* Schubert (1791) p. 120–, p. 374–; Germany.
1945. *Sminthurus multipunctatus albopunctata* Delamare Deboutteville (537) p. 72; France.

Sminthurus multipunctatus tristrigatus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1956. *Sminthurus multipunctatus tristrigata* Stach (1894) p. 265, Pl. XXXII, fig. 1; Caucasus.
1960. *Sminthurus* (*Sminthurus*) *multipunctatus tristrigata* Grindbergs (2373) p. 60; U.S.S.R.

Sminthurus multipunctatus viridipunctatus Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1922. *Sminthurus multipunctatus viridipunctata* Stach (1860) p. 68; Hungary.
1930. *Sminthurus multipunctatus viridipunctata* Stach (1869) p. 311; Europe.
1937. *Sminthurus multipunctatus viridipunctata* Drenowski (695) p. 4; Bulgaria.
1938. *Sminthurus multipunctatus viridipunctata* Drenowski (696) p. 113; Bulgaria.
1945. *Sminthurus multipunctatus viridipunctata* Delamare Deboutteville (537) p. 72; France.
1955. *Sminthurus multipunctatus viridipunctata* Stach (1893) p. 192; Europe.
1956. *Sminthurus multipunctatus viridipunctata* Stach (1894) p. 264; Europe.

Sminthurus nigripes Banks, 1899

TYPE: Mus. Comp. Zool., Harvard.

1899. *Smynthurus nigripes* Banks (138) p. 195; Long Island, New York.

Sminthurus nigromaculatus Tullberg, 1871

1871. *Sminthurus viridis nigro-maculata* Tullberg (2002) p. 145; Sweden.
1876. *Sminthurus nigromaculatus* Reuter (1628) p. 79; Finland.
1957. *Sminthurus nigromaculatus* Gisin (900) p. 494; Europe.
1960. *Sminthurus nigromaculata* Gisin (2271) p. 293, figs. 541–542; Europe.

Sminthurus nigromaculatus infuscatus Reuter, 1896

1896. *Sminthurus nigromaculatus infuscatus* Reuter (1639) p. 232; Scandinavia.

Sminthurus niveus Joseph, 1881

1881. *Smynthurus niveus* Joseph (1149) p. 263; Sth. Austria, caves.
1882. *Smynthurus niveus* Joseph (1150) p. 27; Europe.
1960. *Sminthurus niveus* Grindbergs (2373) p. 64; U.S.S.R.

Sminthurus novaeboracensis Fitch, 1862

1862. *Smynthurus novaeboracensis* Fitch (766) p. 674; New York.
1873. *Smynthurus novaeboracensis* Packard (1521) p. 45; New York.
1891. *Papirius novaeboracensis* MacGillivray (1341) p. 45; New York; Ohio.
1893. *Papirius novaeboreacensis* Harvey (1029) p. 65–; Pl. I; U.S.A.
1895. *Papirius novoboracensis* Dalla Torre (498) p. 9; U.S.A.
1907. *Papirius novoeboracensis* Jackson (1124) p. 166; U.S.A.
1909. *Papirius novae-boracencis* Dow & Smith (692) p. 35; New Jersey.

Sminthurus oblongus Nicolet, 1842

1842. *Smynthurus oblongus* Nicolet (1493) p. 81, Pl. 9, fig. 8; Europe.
1843. *Smynthurus bilineatus* Bourlet (265) p. 58; France.
1844. *Smynthurus oblongus* Gervais (841) p. 401; Switzerland.
1845. *Sminthurus oblongus* Bourlet (266) p. 68; Europe.
1844. *Sminthurus oblongus* Lucas (1327) p. 297; Reference.
1847. *Smynthurus oblongus* Nicolet (1496) p. 358; Switzerland.
1873. *Smynthurus oblongus* Lubbock (1318) p. 113; France.
1879. *Smynthurus sp.* Studer (1933) p. 113; Kerguelen Islands.
1883. *Smynthurus oblongus* Tomosvary (1984) p. 33; Hungary.

1900. *Smynthurus oblongus* Vellay (2056) p. 20; Hungary.
1901. *Deuterosminthurus oblongus* Börner (234) p. 107, figs. 48–51; Central Europe.
1909. *Smynthurus oblongus* Enderlein (724) p. 461; Kerguelen Island.
1918. *Smynthurus oblongus* Vellay (2058) p. 30; Hungary.

Sminthurus obscurus Mills, 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Sminthurus obscurus* Mills (1417) p. 104; Iowa.
1956. *Sminthurus obscurus* Stach (1894) p. 236; U.S.A.

Sminthurus ochraceus Koch, 1840

1840. *Smynthurus ochraceus* Koch (1187) p. 353; Europe.
1951. *Sminthurus aureus ochracea* Schaller (1746) p. 463; Germany; Ecology.

Sminthurus packardi Folsom, 1896

TYPES: Mus. Comp. Zool., Harvard.
METATYPES, COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1873. *Papyrius texensis* Packard (in part) (1521) p. 42; Texas.
1896. *Smynthurus packardii* Folsom (770) p. 385; Texas.
1934. *Sminthurus packardii* Folsom (803) p. 470, Pl. X, figs. 86–88; Pl. XI, figs. 88–89; Texas.
1956. *Sminthurus packardi* Stach (1894) p. 233; U.S.A.

Sminthurus parvulus Ritter, 1911

1911. *Sminthurus parvulus* Ritter (1661) p. 382, figs. 5–7; Ceylon.

Sminthurus penicillifer Schaeffer, 1897

1897. *Sminthurus penicillifer* Schaeffer (1735) pp. 153, 211, Pl. IV, figs. 117–119; Germany.
1897. *Sminthurus penicillifer* Poppe & Schaeffer (1607) p. 272; Germany.
1902. *Sminthurus penicillifer* Becker (158) p. 21, fig. 5; Russia.
1903. *Sminthurus penicillifer* Guthrie (951) p. 55, Pl. IV, figs. 9–12; Minnesota.

Sminthurus piluliferus Schött, 1893

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.
1893. *Sminthurus piluliferus* Schött (1764) p. 9, Pl. II, figs. 4–8; Cameroons.
1926. *Sminthurus pilulifer* Schött (1779) p. 36; Cameroons; Morphology.

Sminthurus pinetorum Koch, 1840

1840. *Smynthurus pinetorum* Koch (1187) p. 353; Europe.

Sminthurus plicatus Schött, 1891

1891. *Sminthurus plicatus* Schött (1762) p. 13, Pl. II, figs. 1–5; California.
1938. *Sminthurides plicatus* Folsom & Mills (807) p. 261, Pl. VIII, fig. 88; California.
1956. *Sminthurides plicatus* Stach (1894) p. 20; Classification.

Sminthurus poppei Tullberg, 1872

TYPE ?: Swed. Mus. Nat. Hist., Stockholm.
1872. *Sminthurus Lubbockii* Tullberg (2003) p. 38; Sweden.
1885. *Sminthurus Poppei* Reuter (1636) p. 214; Europe.

Sminthurus pseudofuscus Schött, 1901

1901. *Sminthurus pseudofuscus* Schött (1771) p. 326, figs. 43–46; New Guinea.
1956. *Sminthurus pseudofuscus* Stach (1894) p. 233; New Guinea.

Sminthurus pseudoviolaceus Ritter, 1911

1911. *Sminthurus pseudoviolaceus* Ritter (1661) p. 382, figs. 8–11; Ceylon.

Sminthurus pullus Denis, 1933

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1933. *Sminthurus pullus* Denis (645) p. 300, figs. 128–136; Costa Rica.
1956. *Sminthurus pullus* Stach (1894) p. 230; Costa Rica.

Sminthurus pumilis Krausbauer, 1898

1898. *Sminthurus pumilis* Krausbauer (1203) p. 495; Germany.
1901. *Sminthurus pumilis* Krausbauer (1204) p. 47, Pl. I, figs. 18–23; Germany.

Sminthurus punctatus Lucas, 1846

1846. *Smynthurus punctatus* Lucas (1328) p. 255; Nth. Africa.
1847. *Smynthurus punctatus* Nicolet (1496) p. 360; Africa.
1849. *Smynthurus punctatus* Lucas (1329) p. 381; Algeria.
1933. *Smynthurus punctatus* Denis (645) p. 306; North Africa.
1956. *Smynthurus punctatus* Stach (1894) p. 231; Africa.
1960. *Sminthurus punctatus* Gisin (2271) p. 293; Algeria.

Sminthurus purpurescens (MacGillivray) 1894

HOLOTYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1894. *Papirius purpurescens* MacGillivray (1343) p. 109; Nth. America.
1899. *Smynthurus nigripes* Banks (137) p. 193–; Long Island.
1899. *Smynthurus fraternus* Banks (137) p. 193–; Long Island.
1907. *Papirius purpurescens* Jackson (1115) p. 171; U.S.A.; Redescr.
1909. *Papirius purpurascens* Dow & Smith (692) p. 35; New Jersey.
1928. *Smynthurus nigripes* Folsom (800) p. 11–; New York.
1928. *Smynthurus fraternus* Folsom (800) p. 11–; New York.
1928. *Ptenothrix purpurescens* Folsom (800) p. 11–; New York.
1934. *Sminthurus purpurescens* Folsom (803) p. 469, Pl. X, figs. 77–80; New York.
1951. *Sminthurus purpurescens* Maynard (1393) p. 267, Pl. XXXIV, figs. 617–624; Pl. XXV, figs. 625–626; New York.
1956. *Sminthurus purpurescens* Stach (1894) p. 236; U.S.A.

Sminthurus quadrilineatus Tullberg, 1871

TYPE ?: Swed. Mus. Nat. Hist., Stockholm.
1871. *Sminthurus quadrilineatus* Tullberg (2002) p. 146; Sweden.
1872. *Sminthurus quadrilineatus* Tullberg (2003) p. 33, Pl. III, fig. 22; Sweden.
1862. *Smynthurus aurea* Lubbock (1315) p. 589, Pl. LIX; England.
1873. *Smynthurus Bourletii* Lubbock (1318) p. 4; Europe.
1881. *Sminthurus quadrilineatus* Reuter (1632) p. 204; Finland.

1891. *Sminthurus quadriolineatus* Uzel (2051) p. 919; Helgoland.
1893. *Sminthurus quadrilineatus* Schött (1765) p. 31, Pl. I, figs. 18–19; Sweden.
1895. *Sminthurus quadrilineatus* Reuter (1643) p. 12; Finland; Sweden; Heligoland.
1897. *Sminthurus quadrilineatus* Poppe & Schaeffer (1607) p. 272; Germany.
1897. *Sminthurus quadrilineatus* Schaffer (1735) p. 212; Germany.
1898. *Sminthurus quadrilineatus* Scherbakow (1750) p 60; Kiev, Russia.
1899. *Sminthurus quadrilineatus* Carpenter & Evans (402) p. 229, Pl. VI, figs. 16–19; Scotland.
1901. *Sminthurinus aureus quadrilineatus* Borner (234) p. 103; Europe.
1901. *Sminthurus quadrilineatus* Evans (739) p. 155; Scotland.
1901. *Sminthurus quadrilineatus* Krausbauer (1204) p. 47; Germany.
1924. *Sminthurus quadrilineatus* Houlbert (1078) p. 158; England; Central Europe.
1924. *Sminthurus aurea* Houlbert (1078) p. 158; England; Central Europe.
1928. *Sminthurinus quadrilineata* Womersley (2154) p. 379; S.W. England.
1933. *Sminthurinus quadrilineatus* Turk (2007) p. 95; Britain.

Sminthurinus quadrilineatus flavescens* *nom. nudum.*

Sminthurus quadrilineatus ochropus Reuter, 1891

1891. *Sminthurus 4-lineatus ochropus* Reuter (1639) p. 231; Finland.
1893. *Sminthurus quadrilineatus ochropus* Schött (1765) p. 32; Finland.
1895. *Sminthurus quadrilineatus ochropus* Reuter (1643) p. 12; Finland.
1901. *Sminthurus quadrilineatus ochropus* Evans (740) p. 152; Scotland.
1910. *Sminthurinus quadrilineatus ochropus* Bagnall (102) p. 508; Britain.
1933. *Sminthurinus quadrilineatus ochropus* Turk (2007) p. 95; Britain.

Sminthurus quadripunctatus Edinger, 1937

1937. *Sminthurus quadripunctatus* Edinger (712) p. 10, Pl. III, figs. 23–29; California.

Sminthurus regalis Womersley, 1939

SYNTYPES: Sth. Austr. Mus., Adelaide.
1939. *Sminthurus regalis* Womersley (2190) p. 258; fig. 74 Q-S; Sth. Australia.
1942. *Sminthurus regalis* Womersley (2193) p. 31; Australia.
1956. *Sminthurus regalis* Stach (1894) p. 231; Australia.

Sminthurus repandus Ågren, 1903

1903. *Sminthurus repandus* Ågren (55) p. 163, figs. 16, 17, 18; Sweden.
1904. *Sminthurus repandus* Axelson (79) p. 81; Norway.
1906. *Sminthurus repandus* Wahlgren (2080) p. 269; Sweden.
1924. *Deuterosminthurus repandus* Denis (614) p. 286; France.
1943. *Bourletiella* (*Deuterosminthurus*) *repanda* Gisin (853) p. 181; Switzerland.
1955. *Deuterosminthurus repandus* Chopard (434) p. 25; France.
1955. *Deuterosminthurus repandus* Stach (1893) p. 186, figs. 561–564; Europe; America; Siberia.

Sminthurus rex Uzel, 1890

1890. *Smynthurus rex* Uzel (2050) p. 37, Pl. I, fig. 2; Pl. II, figs. 1, 2; Bohemia.
1900. *Sminthurus rex* Börner (228) p. 615; Systematics.

Sminthurus rosai Arlé, 1939

1939. *Sminthurus rosai* Arlé (64) p. 130, figs. 14–20; Brazil.

Sminthurus roseus Packard, 1873

TYPE: Mus. Comp. Zool., Harvard.
1873. *Smynthurus roseus* Packard (1521) p. 43; Massachusetts.

†Sminthurus schoetti *nom. nov.*

1896. *Sminthurus longicornis* Schött (1769) p. 170, Pl. I, figs. 1, 2; Nth. America.
1956. *Sminthurus longicornis* Stach (1894) p. 231, *nec.* Joseph, *nec.* Womersley.

Sminthurus sensibilis Börner, 1909

PARATYPES: Brit. Mus. Nat. Hist., London.
1909. *Sminthurus sensibilis* Börner (246) p. 126; Japan.
1938. *Sminthurus sensibilis* Uchida (2015) p. 9; Japan.
1956. *Sminthurus sensibilis* Stach (1894) p. 226; Japan.
1959. *Sminthurus sensibilis* Uchida (2403) p. 22; Japan.

Sminthurus serratomucronatus Grindbergs, 1962

1962. *Sminthurus serratomucronatus* Grindbergs (2480) p. 65, Pl. IV; Tuvischen; U.S.S.R.

Sminthurus serratus Ritter, 1911

1911. *Sminthurus serratus* Ritter (1661) p. 383, fig. 12; Ceylon.

Sminthurus serrulatus Börner, 1909

1909. *Sminthurus serrulatus* Börner (246) p. 127; Japan.
1938. *Sminthurus serrulatus* Uchida (2015) p. 9; Japan.
1956. *Sminthurus serrulatus* Stach (1894) p. 236; Japan.
1959. *Sminthurus serrulatus* Uchida (2403) p. 22; Japan.

Sminthurus serrulatus trimaculatus Börner, 1909

1909. *Sminthurus serrulatus trimaculata* Börner (246) p. 128; Japan.
1938. *Sminthurus serrulatus trimaculata* Uchida (2015) p. 9; Japan.
1959. *Sminthurus serrulatus trimaculata* Uchida (2403) p. 22; Japan.

Sminthurus sexmaculatus Harvey, 1892

1892. *Smynthurus 6-maculata* Harvey (1027) p. 169 and fig.; U.S.A.
1933. *Smynthurus sexmaculatus* Denis (645) p. 293; = *Sminthurinus quadrimaculatus.*

* This subspecific name *flavescens* was used by Turk (2007) in his list of British Collembola published in 1933. I cannot trace any previous use of *flavescens* as a sub specific name for *Sminthurus quadrilineatus*, and it would therefore appear that the subspecific name *flavescens* in this context having been published without description must be regarded as a ***nomen nudum.***

† Joseph in 1882 (1150) used the name *longicornis* for a species of *Sminthurus* and I have, therefore, renamed Schött's species *schoetti* after its author.

Sminthurus sexpunctatus Becker, 1905

1905. *Sminthurus sexpunctatus* Becker (160) p. 93; Russia.
1960. *Sminthurus sexpunctatus* Grindbergs (2373) p. 64; U.S.S.R.

Sminthurus signifier Fitch, 1862

1862. *Smynthurus signifier* Fitch (766) (p. 193, Reprint 1865); North America.

Sminthurus socialis Folsom, 1897

TYPES: Mus. Comp. Zool., Harvard.
1897. *Smynthurus socialis* Folsom (772) p. 446, figs. 1–4; Massachusetts.

Sminthurus solani Curtis, 1883

1883. *Sminthurus solani* Curtis (490) p. 432; England.
1887. *Sminthurus solani* Beling (170) p. 61; Europe.
1910. *Sminthurus solani* Theobald (1964) p. 185–; Gen. Economics.
1956. *Sminthurus solani* Paclt (1541) p. 125; Biology.

Sminthurus speciosus Krausbauer, 1898

1898. *Sminthurus speciosus* Krausbauer (1203) p. 498; Germany.

Sminthurus stylifer Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Sminthurus stylifer* Murphy (2385) p. 584, figs. 97–106, 133; Gambia.

Sminthurus subterraneus (Motshulski) 1850

1850. *Smynthurus subterraneus* Motshulski (1461) p. 681; Adelsburg cave, Yugoslavia.

Sminthurus succineus Stach, 1923

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1907. *Sminthurus gracillimus* von Olfers (1506) p. 29, fig. 85; Bernstein.
1907. *Sminthurus crassicaudatus* von Olfers (1506) p. 29, fig. 86; Bernstein.
1907. *Sminthurus longidens* von Olfers (1506) p. 29, fig. 88; Bernstein.
1907. *Sminthurus longipes* von Olfers (1506) p. 29, fig. 84; Bernstein.
1907. *Sminthurus cristatus* von Olfers (1506) p. 29, fig. 87; Bernstein.
1907. *Papirius brevicaudatus* von Olfers (1506) p. 30, fig. 89; Bernstein.
1923. *Sminthurus succineus* Stach (1862) p. 55; Bernstein.

Sminthurus sylvestris Banks, 1899

TYPES: Mus. Comp. Zool., Harvard.
1899. *Smynthurus sylvestris* Banks (138) p. 195; Long Island, New York.
1928. *Sminthurus sylvestris* Folsom (800) p. 11–; New York.
1951. *Sminthurus sylvestris* Maynard (1393) p. 266, Pl. XXXIV, figs. 613–616; New York.
1956. *Sminthurus sylvestris* Stach (1894) p. 226; U.S.A.

Sminthurus trilineatus Banks, 1903

1903. *Smynthurus trilineatus* Banks (139) p. 155; Washington D.C.
1950. *Sminthurus trilineatus* Wray (2202) p. 7; Nth. Carolina.

Sminthurus tuberculatus Lie-Pettersen, 1898

1898. *Sminthurus tuberculatus* Lie-Pettersen (1282) p. 5, figs. 1–3; Scandinavia.

Sminthurus tullbergi (Tullberg, 1871) Reuter, 1876

1871. *Sminthurus pruinosus* Tullberg (2002) p. 145; Sweden.
1876. *Sminthurus Tullbergi* Reuter (1628) p. 85; Finland.
1893. *Sminthurus Tullbergi* Schött (1765) p. 31, Pl. II, figs. 5–7; Finland.
1895. *Sminthurus Tullbergi* Reuter (1643) p. 12; Finland.
1900. *Sminthurus tullbergi* Börner (228) p. 614; = *Eusminthurus*.
1907. *Bourletiella tullbergi* Axelson (83) p. 134; Finland.
1912. *Bourletiella tullbergi* Axelson (1292) p. 293; Finland; Diagnosis.

Sminthurus variegatus Tullberg, 1876

TYPE?: Swed. Mus. Nat. Hist., Stockholm.
1876. *Sminthurus variegatus* Tullberg (2004) p. 29, Pl. VIII, figs. 1–4; Boreal.
1883. *Sminthurus variegatus* Parona (1558) p. 454; Italy.
1888. *Smynthurus variegatus* Parona (1563) p. 136; Italy.
1891. *Sminthurus variegatus* Reuter (1641) p. 227; Siberia.
1893. *Sminthurus variegatus* Schött (1765) p. 24, Pl. I, fig. 6; Siberia.
1900. *Sminthurus variegatus* Börner (228) p. 613; = *Eusminthurus*.
1900. *Sminthurus variegatus* Schäffer (1738) p. 252; N.W. Siberia.
1901. *Sminthurus variegatus* Börner (234) p. 114, figs. 37, 52, 54; Central Europe.
1904. *Sminthurus variegatus* Axelson (78) p. 9, figs. 5–6; Siberia.
1916. *Sminthurus variegatus* Ionesco (1106) p. 503; Roumania.
1925. *Sminthurus variegatus* Denis (617) p. 212; Italy.

Sminthurus vexillarius Schaeffer, 1898

1898. *Sminthurus vexillarius* Schaeffer (1737) p. 422, figs. 53–56; Bismarck Archipelago.

Sminthurus violaceus Reuter, 1881

1881. *Sminthurus violaceus* Reuter (1632) p. 203; Finland.
1893. *Sminthurus violaceus* Schött (1765) p. 32, Pl. II, figs. 8–11; Finland.
1895. *Sminthurus violaceus* Reuter (1643) p. 12; Finland.
1899. *Sminthurus violaceus* Carpenter and Evans (402) p. 230, Pl. V, fig. 2, Pl. VII, figs. 1–4; Scotland.
1901. *Sminthurus violaceus* Boyd (268) p. 317; Scotland.
1908. *Sminthurus violaceus* Evans (741) p. 195; Scotland.
1956. *Stenacidia violacea* Stach (1894) p. 57, Pl. VIII, figs. 9, 10; Poland.

Sminthurus violaceus variabilis Krausbauer, 1898

1898. *Sminthurus violaceus variabilis* Krausbauer (1203) p. 496; Germany.
1901. *Sminthurus violaceus variabilis* Krausbauer (1204) p. 48, Pl. I, figs. 24–28; Germany.

Sminthurus virginidari Wray, 1948

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1948. *Sminthurus virginidari* Wray (2199) p. 45, figs. 5–9; North Carolina.
1950. *Sminthurus virginidari* Wray (2202) p. 7; Nth. Carolina.
1956. *Sminthurus virginidari* Stach (1894) p. 233; U.S.A.

Sminthurus virgulatus Skorikow, 1899

1899. *Sminthurus virgulatus* Skorikow (1830) p. 390, Tab. VI, fig. 3; Russia.

Sminthurus viridis Linné, 1758

PARATYPE: Swed. Mus. Nat. Hist., Stockholm.

1736. *Pulex viridis plantarum* Linné (2383) p. 133; Europe.
1746. *Podura viridis subglobosa* Linné (1299) p. 342; Europe.
1758. *Podura subglobosa viridis* Linné (1300) p. 608; Europe.
1758. *Podura viridis* Linné (1300) p. 608; Europe.
1762. *Podura viridis* Geoffroy (837) p. 607; Paris.
1775. *Podura viridis* Müller (1471) p. 1017; Europe.
1781. *Podura viridis* Schrank (1784) p. 495.
1793. *Podura viridis* Fabricius (749) p. 605; Europe.
1793. *Podura viridis* Gmelin (910) p. 2907; Europe.
1802. *Smynthurus viridis* Latreille (1241) p. 82; Europe.
1803. *Smynthurus viridis* Latreille (1243) p. 574; Europe.
1806. *Smynthurus viridis* Latreille (1244) p. 166; Europe.
1810. *Podura viridis* Latreille (1245) p. 423; Classification.
1815. *Smynthurus viridis* Leach (1254) p. 77; Europe.
1827. *Smynthurus viridis* Brébisson (272) p. 273; France.
1835. *Smynthurus viridis* Lacord. and Boisd. (196) p. 115; Paris.
1835. *Smynthurus viridis* Templeton (1957) p. 97, Pl. XII, fig. 7; Ireland.
1839. *Smynthurus viridis* Burmeister (339) p. 451; Europe.
1840. *Smynthurus viridis* Lucas (1326) p. 567; Cranmore, Ireland.
1841. *Sminthurus viridis* Bourlet (261) p. 145, fig. 14; Europe.
1842. *Smynthurus viridis* Bourlet (265) p. 51, fig. 14.
1842. *Smynthurus viridis* Bourlet (265) p. 77; France.
1842. *Sminthurus viridis* Erichson (730) p. 313; Europe.
1842. *Smynthurus viridis* Nicolet (1493) p. 82, Pl. 9, fig. 9; Europe.
1844. *Smynthurus viridis* Gervais (841) p. 401; Europe.
1844. *Sminthurus viridis* Lucas (1327) p. 297; Reference only.
1845. *Sminthurus viridis* Bourlet (266) p. 68; Europe.
1847. *Smynthurus viridis* Nicolet (1496) p. 358; Europe.
1868. *Smynthurus viridis* Lubbock (1316) p. 296, Pl. XXI, figs. 1–3; Ireland.
1871. *Sminthurus viridis* Tullberg (2002) p. 144; Sweden.
1872. *Sminthurus viridis* Tullberg (2003) p. 30, Pl. II, figs. 16–20, Pl. III, figs. 1–4; Sweden.
1873. *Smynthurus viridis* Lubbock (1318) p. 100, Pl. I; Sweden; France; England; Germany; Switzerland.
1876. *Sminthurus viridis* Reuter (1628) p. 79; Finland.
1876. *Sminthurus viridis* Tullberg (2004) p. 30 and p. 42; Novaya Zemlya and Sverige.
1880. *Sminthurus viridis* Reuter (1627) p. 205; Scotland.
1880. *Sminthurus viridis* Reuter (1629) p. 205; Scotland.
1883. *Sminthurus viridis* Parona (1558) p. 453; Italy.
1883. *Sminthurus viridis* Tomosvary (1984) p. 37; Description, Hungary.
1885. *Smynthurus viridis* Parona (1560) p. 35; Sardinia.
1887. *Sminthurus viridis* Oudemans (1510) p. 32; Anatomy.
1887. *Sminthurus viridis* Stuxberg (1936) p. 42; Novaya Zemlya.
1888. *Sminthurus viridis* Oudemans (1511) p. 172–; Anatomy.
1888. *Smynthurus viridis* Parona (1562) p. 86; Sardinia.
1888. *Smynthurus viridis* Parona (1563) p. 135; Italy.
1890. *Smynthurus viridis* Uzel (2050) p. 34; Bohemia.
1891. *Smynthurus viridis* Parfitt (1550) p. 326; England.
1891. *Sminthurus viridis* Reuter (1641) p. 227; Siberia.
1893. *Sminthurus viridis* Schött (1765) p. 22, Pl. I, fig. 1–5; Short note, Palaearctic form.
1895. *Smynthurus viridis* Parona (1565) p. 696; Argentina.
1895. *Sminthurus viridis* Reuter (1643) p. 9; Finland.
1896. *Sminthurus viridis* Lie-Pettersen (1281) p. 8; Norway.
1896. *Sminthurus viridis* Schäffer (1735) p. 209; Germany.
1897. *Sminthurus viridis* Poppe and Schaeffer (1607) p. 271; Germany.
1898. *Sminthurus viridis* Lie-Pettersen (1282) p. 5; Norway.
1898. *Sminthurus viridis* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Sminthurus viridis* Carl (351) p. 8; France.
1899. *Sminthurus viridis* Carl (352) p. 353; Switzerland.
1899. *Sminthurus viridis* Carpenter and Evans (402) p. 226; Scotland.
1899. *Sminthurus* (*Sminthurus*) *viridis* Skorikow (1830) p. 385; Russia.
1900. *Sminthurus viridis* Börner (228) p. 613; = *Eusminthurus*.
1900. *Sminthurus viridis* Schäffer (1738) p. 252; Novaya Zemlya.
1900. *Sminthurus viridis* Skorikow (1833) p. 198; Spitzbergen.
1900. *Smynthurus viridis* Summers (1940) p. 18; Sth. Australia.
1900. *Smynthurus viridis* Vellay (2056) p. 20; Hungary.
1900. *Sminthurus viridis* Wahlgren (2077) p. 374; Greenland and Novaya Zemlya.
1901. *Eusminthurus viridis* Börner (234) p. 117, fig. 53; Central Europe.
1901. *Sminthurus viridis* Boyd (268) p. 317; Scotland.
1901. *Sminthurus viridis* Carl (354) p. 274; Switzerland.
1901. *Sminthurus viridis* Evans (739) p. 155; Scotland.
1901. *Sminthurus viridis* Evans (740) p. 151; Scotland.
1901. *Sminthurus viridis* Krausbauer (1204) p. 40; Germany.
1902. *Sminthurus viridis* Becker (158) p. 20; Russia.
1902. *Sminthurus viridis* Skorikow (1835) p. 92; Spitzbergen.
1903. *Sminthurus viridis* Ågren (55) p. 168; Sweden.
1903. *Sminthurus viridis* Diem (688) p. 361; Ecology.
1904. *Sminthurus viridis* Axelson (79) p. 83; Norway.
1904. *Sminthurus viridis* Carpenter (373) p. 197; Ballysadare, Ireland.
1904. *Sminthurus viridis* Hoffman (1069) p. 95; Physiology.
1906. *Sminthurus viridis* Lie-Pettersen (1284) p. 73; Norway.
1906. *Sminthurus viridis* Navas (1483) p. 167; Spain.
1906. *Smynthurus viridis* Wahlgren (2080) p. 270, fig. 30; In key, Sweden.
1908. *Sminthurus viridis* Börner (245) Pl. VI, fig. 8; Systematics.
1908. *Smynthurus viridis* Foster (814) p. 23; England.
1908. *Sminthurus viridis* Schille (1755) p. 15; Poland.
1910. *Sminthurus viridis* Collinge (464) p. 13; England.
1910. *Sminthurus viridis* Collinge and Shoebotham (472) p. 124; England.
1910. *Sminthurus viridis* Theobald (1964) p. 191; Gen. Economics.
1911. *Sminthurus viridis* Axelson (1291) p. 27; Norway.

1912. *Sminthurus viridis* Axelson (1292) p. 312; Short note, Finland.
1912. *Sminthurus viridis* Dahl (496) p. 420; Ecology.
1912. *Sminthurus viridis* Schille (1756) p. 15; Galizien.
1912. *Sminthurus viridis* Schille (2394) p. 129; Poland.
1913. *Sminthurus viridis* Carpenter (388) p. 11; Clare Is., Ireland.
1915. *Sminthurus viridis* Ionesco (1105) p. 224; Roumania.
1916. *Sminthurus viridis* Bartholin (149) p. 203; Denmark.
1916. *Sminthurus viridis* Carr (407) p. 66; England.
1916. *Sminthurus viridis* Ionesco (1106) p. 501, fig. 16; Rumania.
1917. *Sminthurus viridis variegatus* Latzel (1249) p. 250; Austria, alpine.
1917. *Sminthurus viridis medicaginis* Schött (1774) p. 58, Pl. 4, figs. 11–12; Australia.
1918. *Sminthurus viridis* Brown (296) p. 817; England
1918. *Smynthurus viridis* Vellay (2058) p. 20; Hungary
1919. *Sminthurus viridis picta* Axelson (1293) p. 12 figs. 4–9; Arctic Ural.
1919. *Sminthurus viridis* Wahlgren (2089) p. 751· Sweden.
1920. *Sminthurus viridis* Morris (1454) p. 147; Ecology
1920. *Sminthurus viridis* Ionesco (1107) p. 30, fig. 14; Rumania.
1920. *Sminthurus viridis* Lea (1252) p. 1, and figs; Australia.
1920. *Sminthurus viridis* Stach (1859) p. 214, Pl. 5 fig. 3, Pl. 7, figs. 44–46; Poland; Discussion.
1921. *Sminthurus viridis* Brown (301) p. 143; Isle of Wight.
1921. *Sminthurus viridis* Denis (607) p. 133; France.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1921. *Sminthurus viridis* Spafford (1848) p. 893; Economic; Insecticides.
1922. *Sminthurus viridis* Latzel (1250) p. 75; Austria.
1922. *Sminthurus viridis* Lea (1253) p. 424, Agricultural Report on "Lucerne Flea".
1922. *Smynthurus viridis* Morris (1456) p. 288; Ecology.
1922. *Sminthurus viridis* Stach (1860) p. 65; Hungary.
1923. *Sminthurus viridis* Stach (1863) p. 15; Systematic note.
1923. *Smynthurus viridis* Womersley (2147) p. 36; S.W. England.
1924. *Sminthurus viridis* Denis (614) p. 294; France.
1924. *Sminthurus viridis* Handschin (981) p. 151; Switzerland.
1924. *Sminthurus viridis marmorata* Stach (1864) p. 121, Pl. II, fig. 8; Tunis.
1925. *Sminthurus viridis* Davies (514) p. 351; attacking marigolds.
1925. *Sminthurus viridis* Denis (617) p. 212; Italy.
1925. *Sminthurus viridis* Handlirsch (976) p. 615; List.
1925. *Sminthurus viridis* Handschin (986) p. 172; Morocco.
1925. *Sminthurus viridis* Handschin (987) p. 172; Morocco.
1926. *Sminthurus viridis* Brown (305) p. 216; Mesopotamia.
1926. *Sminthurus viridis* Handschin (990) p. 125; Algeria.
1927. *Smynthurus viridis* Davies (516) pp. 15–30; Morphology.
1927. *Sminthurus viridis* Handschin (999) p. 298; Westfalian peat bogs.
1927. *Sminthurus viridis* Holdaway (1075) pp. 1–23; Gen. Economics, Sth. Australia.
1927. *Sminthurus viridis* Newman (1487) p. 449 and p. 80; W. Australian pasture.
1928. *Sminthurus viridis* Davies (517) p. 291; Economics, Britain.
1928. *Sminthurus viridis* Handschin (1005) p. 8; Algeria.
1928. *Sminthurus viridis* Jackson (1121) p. 304; Britain.
1928. *Sminthurus viridis* Malenotti (1368) pp. 5–11; Systematic.
1929. *Sminthurus viridis* Davies (518) p. 83; Physiology.
1929. *Sminthurus viridis* Edwards (715) p. 311; Ecology.
1929. *Sminthurus viridis* Handschin (1008) p. 120, figs. 215, 216; Europe; Australia.
1930. *Sminthurus viridis* Buitendijk (334) p. 73; Holland.
1930. *Sminthurus viridis* Kel'shtein (1161) p. 78; Russia.
1930. *Smynthurus viridis* Mills (1414) p. 390; Agric. pest.
1930. *Smynthurus viridis* Newman (1488) p. 506; Economic.
1930. *Sminthurus viridis* Nicholls (1491) p. 115; Australia.
1930. *Sminthurus viridis* Stach (1869) p. 310; Europe.
1930. *Sminthurus viridis* Womersley (2168) p. 196; Ireland.
1931. *Sminthurus viridis* Davidson (501) p. 143–152; Temperature affect on eggs.
1931. *Sminthurus viridis* Denis (639) p. 234; Germany.
1931. *Sminthurus viridis* Lindroth (1286) p. 135; Iceland.
1931. *Sminthurus viridis* MacLagan (1357) p. 18; Ecology.
1931. *Sminthurus viridis* Matsumura & Uchida (1386) p. 1 and fig.
1932. *Sminthurus viridis* Davidson (502) p. 65–68; Viability of eggs.
1932. *Sminthurus viridis* Davidson (503) pp. 1–16; Ovi position.
1932. *Sminthurus viridis* Davidson (504) p. 867; Cytology.
1932. *Sminthurus viridis* Davies (520) p. 94; Habits.
1932. *Sminthurus viridis* MacLagan (1358) p. 101–; England; Ecology.
1932. *Smynthurus viridis* Newman & Womersley (1490) p. 289; Records predator of S.M.
1932. *Sminthurus viridis* Turk (2006) p. 831; Habits; England.
1932. *Sminthurus viridis* Womersley (2172) p. 37, fig 16 a-c; Australia.
1932. *Sminthurus viridis* Womersley (2173) p. 10, Pl. 1. fig. 7, T.E. vi, 1-3; Tasmania.
1933. *Smynthurus viridis* Currie (487) p. 9–; Collembola as food; West Australia.
1933. *Sminthurus viridis* Davidson (505) p. 837; Ecology
1933. *Sminthurus viridis* Davidson (506) pp. 9–23; Deposition of eggs.
1933. *Sminthurus viridis* Davidson (507) pp. 994–1006; Control of lucerne flea in South Australia.
1933. *Sminthurus viridis* Davidson (509) pp. 1–7; Distr. in South Australia.
1933. *Smynthurus viridis* Davidson & Swan (511) p. 351; Collecting apparatus.
1933. *Sminthurus viridis* Folsom (802) p. 935 (Economic pest).
1933. *Sminthurus viridis* Turk (2007) p. 95; Britain.
1933. *Sminthurus viridis* Womersley (2175) p. 83; Economic.

1934. *Sminthurus viridis* Agrell (37) p. 235; Ecology; Sweden.
1934. *Smynthurus viridis* Davidson (510) pp. 1–7; Australia.
1934. *Sminthurinus viridis* Lack (1229) p. 603; Greenland.
1934. *Smynthurus viridis* Newman (1489) p. 204; Control of; West Australia.
1934. *Sminthurus viridis* Perrier (1576) p. 39; France.
1935. *Sminthurus viridis* Ford (809) p. 198; Ecology; Britain.
1935. *Sminthurus viridis* Jenkins (1136) p. 346; Western Australia.
1935. *Sminthurus viridis* Schubert (1790) p. 94; Europe.
1935. *Sminthurus viridis* Schubert (1791) p. 105, p. 200, p. 366; Germany.
1935. *Sminthurus viridis* Schubert (1791) p. 230; Poland.
1937. *Sminthurus viridis* Evans (735) p. 93; Tasmania.
1937. *Sminthurus viridis* Frenzel (828) p. 317; Ecology.
1937. *Sminthurus viridis* Pescott (1579) p. 371, fig. 4; pasture in Victoria.
1937. *Sminthurus viridis* Schubert (1792) p. 129; Europe.
1938. *Sminthurus viridis* Dumbleton (702) p. 197; New Zealand.
1938. *Sminthurus viridis* Hammer (968) p. 30; East Greenland.
1938. *Smynthurus viridis* Norris (1501) p. 19, figs. 6–8; Ecology; Australia.
1938. *Sminthurus viridis* Strebel (1917) p. 117; Germany; Ecology.
1939. *Sminthurus viridis* Evans (736) p. 143; Tasmania.
1939. *Sminthurus viridis* Imms (1095) p. 291; fig. 14; Morphology.
1939. *Sminthurus viridis* Mills (1422) p. 160; North America.
1939. *Sminthurus viridis* Womersley (2190) p. 257, Pl. I, fig. 3, fig. 74 E-G; Brief note, Australia.
1940. *Sminthurus viridis* Swan (1941) pp. 462–471, 4 figs.; Australia.
1940. *Sminthurus viridis* Uchida (2018) p. 8; Colouring; Manchuria.
1941. *Sminthurus viridis* Buitendijk (336) p. 92, fig. 24; Descr.; Netherlands; Europe.
1941. *Sminthurus viridis* Kevan (1164) p. 249; Britain.
1941. *Sminthurus viridis* Salmon (1676) p. 418, figs. 527–528; Descr.; N.Z.
1942. *Smynthurus viridis* Essig (733) pp. 78–85; Agric. pest.
1942. *Sminthurus viridis* Handschin (1012) p. 443; Mesopotamia; Palestine; Griechenland; Malta; North Africa.
1942. *Smynthurus viridis* Marlier (1375) p. 11; Belgium.
1942. *Smynthurus viridis* Pescott (1580) p. 68; in pasture.
1942. *Sminthurus viridis* Tiegs (1971) p. 154; Embryology.
1942. *Sminthurus viridis* Toth (1997) p. 398, figs. 1, 2, 5, 6, 7, 10, 11, 14–18, 21, 22, 36, 37; anatomy.
1942. *Sminthurus viridis* Womersley (2193) p. 31; N.Z.
1943. *Sminthurus viridis* Agrell (47) p. 127; Sweden.
1943. *Sminthurus viridis* Gisin (853) p. 182; Switzerland.
1944. *Sminthurus viridis* Colas (456) p. 37, fig. 197.
1944. *Sminthurus viridis* Hammer (969) p. 61; North America; Greenland; Iceland; Europe; Lapland; Finland; Arctic Siberia.
1945. *Sminthurus viridis* Delamare Deboutteville (537) p. 72; France.
1945. *Smynthurus viridis* Evans (737) p. 179; Economic; Tasmania.
1946. *Sminthurus viridis* Pescott (1581) p. 104, fig.; damage to lucerne crops.
1946. *Sminthurus viridis* Phillips (1585) p. 218; Ecology.
1948. *Sminthurus viridis* Baeta Neves (96) p. 109; Portugal.
1948. *Sminthurus viridis* Franz & Beier (821) p. 463; Ecology.
1948. *Sminthurus viridis* Gisin (869) p. 496; Switzerland; Ecology.
1948. *Sminthurus viridis* Godino (911) p. 119; Gen. Economics.
1948. *Sminthurus viridis* Jenkins & Forte (1140) p. 116; Australia.
1948. *Sminthurus viridis* Salt etc. (1724) p. 144; Ecology.
1950. *Sminthurus viridis* Del. Deb. (570) p. 281; Cosmopolite.
1950. *Smynthurus viridis* Edwards (716) p. 197, 2 figs.; crop-pest; South Australia.
1950. *Sminthurus viridis* Mattioli (1387) p. 5; Systematics.
1951. *Sminthurus viridis* Anon. (2249) p. 64; Insecticides.
1951. *Podura viridis* Gisin (878) p. 57; Nomenclature.
1951. *Sminthurus viridis* Praport (1610) p. 145; Poland.
1951. *Sminthurus viridis* Schaller (1746) p. 490; Ecology.
1951. *Sminthurus viridis* Stach (1889) p. 117, fig. 71; Europe.
1951. *Sminthurus viridis* Swan & Lower (1942) p. 433; Australia.
1952. *Sminthurus viridis* Evans (738) p. 60; Australia; New Zealand.
1952. *Sminthurus viridis* Hassedeh (2423) p. 452; Agric pest; India.
1952. *Sminthurus viridis* Mihelcic (1406) p. 96; Ecology.
1952. *Smynthurus viridis* Uchida (2027) p. 2; Notes; Japan.
1953. *Sminthurus viridis* Hammer (972) p. 60; North Canada; Alaska.
1954. *Smynthurus viridis* Chevallier (433) p. 1–15; Morphology.
1954. *Podura* (*Smynthurus*) *viridis* Int. Com. (1100) p. 106; Proposed Official specific name.
1954. *Sminthurus viridis* Strenzke (1925) p. 58; Germany.
1954. *Sminthurus viridis* Uchida (2030) p. 10; Japan.
1954. *Sminthurus viridis* Walker (2092) p. 428; Australia; Insecticides; Economics.
1954. *Sminthurus viridis* Wallace (2093) p. 148; Australia; Insecticides.
1954. *Sminthurus viridis* Wallace (2094) p. 317; Australia; Insecticides.
1955. *Sminthurus viridis* Chopard (434) p. 26, Pl. 1, fig. 21; France.
1955. *Sminthurus viridis* Jenkins (1137) p. 327, 3 figs; Western Australia.
1955. *Sminthurus viridis* Pistor (1594) p. 512; Physiology.
1955. *Sminthurus viridis* Stach (1893) p. 194, figs. 592 and 593; Cosmopolite.
1955. *Sminthurus viridis* Strenzke (1926) p. 49; Holstein.
1955. *Sminthurus viridis* Uchida (2034) p. 198; Japan.
1956. *Sminthurus viridis* Bockemuhl (193) p. 150; Spitzbergen.
1956. *Sminthurus viridis* Commonwealth Inst. Ent. (473); Distribution Map.

1956. *Sminthurus viridis* Grindbergs (2274) p. 136; Latvia.
1956. *Sminthurus viridis* Jenkins (1138) p. 2; Australia.
1956. *Sminthurus viridis* Mayer (1389) p. 138; Reproduction.
1956. *Sminthurus viridis* Paclt (1541) p. 25, figs. 30, 33, 34, 91–93, 101, 106, 134, 135.
1956. *Sminthurus viridis* Stach (1894) p. 266, Pl. XXXII, figs. 3–7; Poland; East Europe.
1956. *Sminthurus viridis* Tuzet (2012) p. 15; Cytology.
1957. *Sminthurus viridis* Bödvarsson (2252) p. 41; Iceland.
1957. *Sminthurus viridis* Gisin (900) p. 494; Europe.
1957. *Sminthurus viridis* Jenkins (1139) p. 1; Australia.
1957. *Sminthurus viridis* Mayer (1390) p. 503, fig. 27; Biology.
1957. *Sminthurus viridis* Wallace (2095) p. 388; West Australia.
1958. *Sminthurus viridis* Grindbergs (2275) p. 12; Latvia.
1958. *Podura (Sminthurus) viridis* Int. Com. (2378) p. 25; Listed Official Specific Name.
1958. *Sminthurus viridis* Kholova (1169) p. 236; Bohemia.
1958. *Smynthurus viridis* Lower (2298) p. 342, figs. 5–7; Histology.
1958. *Sminthurus viridis* Miles (1412) p. 638; Wales.
1958. *Sminthurus viridis* Saure & Brummer-Korvenkontio (2393) p. 3; Cytology.
1959. *Sminthurus viridis* Jeannenot (2287) p. 17; Systematics.
1959. *Sminthurus viridis* Paclt (2316) p. 68; South Africa.
1959. *Sminthurus viridis* Paclt (2317) p. 343; Czechoslovakia.
1959. *Sminthurus viridis* Palissa (2319) p. 278; Ecology.
1959. *Sminthurus viridis* Poole (1604) p. 72; Food of Collembola.
1959. *Sminthurus viridis* Stach (1896) p. 55; Poland.
1959. *Sminthurus viridis* Uchida (2403) p. 22; Japan; Manchuria.
1959. *Sminthurus viridis* Wallace (2096) p. 160; West Australia.
1960. *Sminthurus viridis* Gisin (2271) p. 293; Cosmopolitan.
1960. *Sminthurus (Sminthurus) viridis* Grindbergs (2373) p. 60; U.S.S.R.
1960. *Sminthurus viridis* Palissa (2319) p. 397; Systematics and Ecology.

Sminthurus viridis annulatus (Linné) 1758

COTYPES: Mus. Comp. Zool., Harvard.

1758. *Podura viridis* Linné (1300) p. 608; Europe.
1762. *Podura viridis* Geoffroy (837) p. 607; France.
1781. *Podura viridis* Schrank (1784) p. 494–; Austria.
1793. *Podura viridis* Fabricius (749) p. 65; Europe.
1802. *Smynthurus viridis* Latreille (1241) p. 72.
1806. *Smynthurus viridis* Latreille (1244) p. 166.
1835. *Smynthurus viridis* Lacordaire and Boisduval (196) p. 115; France.
1835. *Smynthurus viridis* Templeton (1957) p. 97, Pl. 12, fig. 7; Ireland.
1839. *Smynthurus viridis* Burmeister (339) p. 451; Europe.
1840. *Smynthurus viridis* Lucas (1326) p. 567; France; Ireland.
1841. *Smynthurus viridis* Nicolet (1492) p. 82, Pl. 9, fig. 9; Europe.
1844. *Smynthurus viridis* Gervais (841) p. 377–; Europe.
1868. *Smynthurus viridis* Lubbock (1316) p. 295, Pl. 21, figs. 1–3; Britain.
1871. *Smynthurus viridis cinereoviridis* Tullberg (2002) p. 144; Sweden.
1871. *Smynthurus viridis nigromaculata* Tullberg (2002) p. 145; Sweden.
1872. *Smynthurus viridis* Tullberg (2003) p. 30, Pl. 2, figs. 16–20, Pl. 3, figs. 1–5; Sweden.
1873. *Smynthurus viridis* Lubbock (1318) pp. 100, 101, Pl. I, Pl. 55, figs. 1–4; England; Sweden; Switzerland; France; Germany.
1876. *Smynthruus viridis* Reuter (1628) p. 79; Finland.
1876. *Sminthurus viridis* Tullberg (2004) p. 30; Boreal.
1883. *Sminthurus viridis* Tomosvary (1984) p. 37; Hungary.
1888. *Sminthurus viridis* Dalla Torre (497) p. 149; European Alps.
1891. *Sminthurus viridis tripunctatus* Reuter (1641) p. 227; Siberia.
1891. *Sminthurus viridis* Uzel (2051) p. 919; Heligoland.
1893. *Sminthurus viridis speciosus* Schött (1765) pp. 22–24, Pl. I, figs. 1–5; Europe.
1893. *Sminthurus viridis dorsovittatus* Schött (1765) pp. 22–24, Pl. I, figs. 1–5; Europe.
1895. *Sminthurus viridis* Parona (1565) p. 696; Argentina.
1895. *Sminthurus viridis infuscatus* Reuter (1643) p. 9; Finland.
1896. *Sminthurus viridis* Lie-Pettersen (1281) p. 8; Norway.
1896. *Sminthurus viridis multipunctata* Schäffer (1735) p. 209, Pl. 4, figs. 122–123; Germany.
1897. *Sminthurus viridis* Poppe and Schäffer (1607) p. 271; Germany.
1898. *Sminthurus viridis lineata* Scherbakow (1750) p. 60; Kiev.
1899. *Sminthurus viridis annulatus* Folsom (775) p. 270, Pl. 3, figs. 41–43; Japan.
1909. *Sminthurus viridis annulata* Börner (246) p. 134; Japan.
1931. *Sminthurus viridis annulatus* Matsumura (1386) p. 1496; Japan.
1938. *Sminthurus viridis annulata* Uchida (2015) p. 9; Japan.
1950. *Sminthurus viridis annulatus* Kinoshita and Uchida (1129) p. 20 and fig.; Japan.

Sminthurus viridis caucasicus Karsch, 1893

1893. *Smynthurus viridis caucasicus* Karsch (1154) p. 303; Caucasus.

Sminthurus viridis cinereo-viridis Tullberg, 1871

TYPE?: Swed. Mus. Nat. Hist., Stockholm.

1871. *Sminthurus viridis cinereo-viridis* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus viridis cinereo-viridis* Tullberg (2003) p. 30; Sweden.
1842. *Smynthurus viridis* Nicolet (1493) p. 82; (in part), Europe.
1884. *Sminthurus viridis cinereo-viridis* Parona (1559) p. 428.
1888. *Sminthurus fuscus cinereo-viridis* Dalla Torre (497) p. 150; Austria.
1891. *Sminthurus viridis cinereo-viridis* Reuter (1641) p. 227; Siberia.
1893. *Sminthurus viridis cinereo-viridis* Schött (1765) p. 22; Sweden.
1895. *Sminthurus viridis cinereo-viridis* Reuter (1643) p. 9; Finland; Sweden; Hungary.
1897. *Sminthurus viridis cinereo-viridis* Schäffer (1735) p. 210; Germany.
1900. *Sminthurus viridis cinereo-viridis* Börner (228) p. 613; = *Eusminthurus.*
1900. *Sminthurus viridis cinereo-viridis* Schäffer (1738) p. 252; N.W. and N.E. Siberia.

1900. *Sminthurus viridis cinereo-viridis* Schäffer (1739) p. 277; Germany.
1900. *Smynthurus cinereoviridis* Vellay (2056) p. 20; Hungary.
1901. *Sminthurus viridis cinereo-viridis* Carl (354) p. 274; Switzerland.
1901. *Sminthurus viridis cinereo-viridis* Krausbauer (1204) p. 40; Germany.
1903. *Sminthurus viridis cinereo-viridis* Ågren (55) p. 167; Sweden.
1905. *Sminthurus viridis cinereo-viridis* Axelson (81) p. 43; Finland.
1906. *Sminthurus viridis cinereo-viridis* Axelson (82) p. 21; Russia.
1907. *Sminthurus viridis cinereo-viridis* Axelson (83) p. 134; Finland.
1912. *Sminthurus viridis cinereo-viridis* Axelson (1292) p. 313; Finland.
1912. *Sminthurus viridis cinereo-viridis* Schille (1756) p. 15; Galizien.
1915. *Sminthurus viridis cinero-viridis* Ionesco (1105) p. 224; Roumania.
1916. *Sminthurus viridis cinereo-viridis* Ionesco (1106) p. 502; Roumania.
1918. *Smynthurus viridis cinereoviridis* Vellay (2058) p. 20; Hungary.
1920. *Sminthurus viridis cinereo-viridis* Ionesco (1107) p. 30; Roumania.
1930. *Sminthurus viridis cinereoviridis* Harnisch (1020) p. 69; Ecology.
1930. *Sminthurus viridis cinereo-viridis* Stach (1869) p. —; Europe.
1933. *Sminthurus viridis cinereo-viridis* Schubert (1787) p. 252; Ecology.
1934. *Sminthurus viridis cinereo-viridis* Durkop (707) p. 510; Germany.
1938. *Sminthurus viridis cinereoviridis* Strebel (1917) p. 116; Germany, Ecology.
1941. *Sminthurus viridis cinereo-viridis* Buitendijk (336) p. 93; Netherlands.
1949. *Sminthurus viridis cinereo-viridis* Strenzke (1922) p. 208; Germany.
1956. *Smynthurus cinereo-viridis* Stach (1894) p. 269; Poland.
1957. *Sminthurus viridis cinereoviridis* Bodvarsson (2252) p. 41; **Iceland.**
1958. *Sminthurus viridis cinereo-viridis* Grindbergs (2276) p. 78; Latvia.
1958. *Sminthurus viridis cinereo-viridis* Grindbergs (2277) p. 205; Latvia.
1960. *Sminthurus* (*Sminthurus*) *viridis cinereoviridis* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis dorsovittatus Reuter, 1895

1895. *Sminthurus viridis dorsovittatus* Reuter (1643) p. 9; Finland.
1893. *Sminthurus viridis dorsovittatus* Schött (1765) p. 23; Finland.
1902. *Sminthurus viridis dorsovittatus* Becker (158) p. 20; Russia.
1903. *Sminthurus viridis dorsovittatus* Ågren (55) p. 168; Sweden.
1907. *Sminthurus viridis dorsovittata* Axelson (83) p. 134; Finland.
1908. *Sminthurus viridis dorsovittatus* Schille (1755) p. 15; Poland.
1912. *Sminthurus viridis dorsovittata* Axelson (1292) p. 315; Finland.
1912. *Sminthurus viridis dorsovittatus* Schille (1756) p. 15; Galizien.
1912. *Sminthurus viridis dorsovittatus* Schille (2394) p. 129; Poland.
1915. *Sminthurus viridis dorso-vittatus* Ionesco (1105) p. 224; **Roumania.**
1916. *Sminthurus viridis dosovittata* Ionesco (1106) p. 502; Roumania.
1920. *Sminthurus viridis dorsovittatus* Ionesco (1107) p. 30; Roumania.
1920. *Sminthurus viridis dosovittata* Stach (1859) p. 215; Poland.
1922. *Sminthurus viridis dorsovittata* Stach (1860) p. 65; Hungary.
1924. *Sminthurus viridis dorsovittata* Handschin (981) p. 151; Switzerland.
1930. *Sminthurus viridis dorsovittatus* Stach (1869) p. 310; Europe.
1937. *Sminthurus viridis dorsovittata* Kseneman (1217) p. 473; Carpathians.
1956. *Sminthurus viridis dorsovittata* Stach (1894) p. 269; Poland.
1960. *Sminthurus* (*Sminthurus*) *viridis dorsovitata* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis irroratus Reuter, 1900

1900. *Sminthurus viridis irroratus* Reuter (1648) p. 53; Finland.
1905. *Sminthurus viridis irroratus* Axelson (81) p. 43; Finland.
1907. *Sminthurus viridis irrorata* Axelson (83) p. 134; Finland.
1912. *Sminthurus viridis irrorata* Axelson (1292) p. 316; Finland.
1922. *Sminthurus viridis irrorrata* Stach (1860) p. 65; Hungary.
1924. *Sminthurus viridis irrorata* Handschin (981) p. 152; Switzerland.
1924. *Sminthurus viridis irrorata* Handschin (984) p. 174; Hochmoor, Estland.
1930. *Sminthurus viridis irroratus* Stach (1869) p. 310; Finland; Hungary; Switzerland.
1938. *Sminthurus viridis irroratus* Kseneman (1220) p 21; Europe.
1938. *Sminthurus viridis irrorata* Strebel (1917) p. 116; Germany, Ecology.
1952. *Sminthurus viridis irroratus* Uchida (2027) p. 31–; Japan.
1954. *Sminthurus viridis irrorata* Uchida (2031) p. 63; Japan.
1956. *Sminthurus viridis irrorata* Stach (1894) p. 269; Poland.
1957. *Sminthurus viridis irroratus* Uchida (2038) p. 25; Japan.
1960. *Sminthurus* (*Sminthurus*) *viridis irrorata* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis lineatus Scherbakow, 1898

1898. *Sminthurus viridis lineata* Scherbakow (1750) p. 65; Kiev.
1902. *Sminthurus virirs lineatus* Becker (158) p. 20; Russia.
1915. *Sminthurus viridis lineatus* Ionesco (1105) p. 224; Roumania.
1916. *Sminthurus viridis lineata* Ionesco (1106) p. 502; Roumania.
1920. *Sminthurus viridis lineatus* Ionesco (1107) p. 30; Roumania.
1960. *Sminthurus* (*Sminthurus*) *viridis lineatus* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis maculatus (Tomosvary) 1883

1883. *Smynthurus maculatus* Tomosvary (1984) p. 36; Hungary.
1920. *Sminthurus viridis maculata* Stach (1859) p. 215, Pl. 5, fig. 3; Poland.
1922. *Smynthurus viridis maculata* Stach (1860) p. 66; **Hungary.**
1930. *Smynthurus viridis maculatus* Stach (1869) p. 311; Poland; **Hungary.**

1941. *Smynthurus viridis maculata* Szent-Ivany (1947) p. 24; Hungary.
1951. *Sminthurus viridis maculata* Schaller (1746) p. 463; Ecology.
1955. *Sminthurus viridis maculata* Pistor (1594) p. 525; Physiology.
1956. *Sminthurus maculatus* Stach (1894) p. 273; Systematics.

Sminthurus viridis marmoratus Stach, 1924

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1924. *Sminthurus viridis marmoratus* Stach (1864) p. 121, Pl. II, fig. 8; Tunis.
1956. *Sminthurus viridis marmorata* Stach (1894) p. 269; Systematics.

Sminthurus viridis medicaginis Schött, 1917

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1917. *Sminthurus viridis medicaginis* Schött (1774) p. 58, Pl. 4, figs. 11–12; Adelaide, South Australia.
1932. *Sminthurus viridis medicaginis* Womersley (2172) p. 38; Australia.
1939. *Sminthurus viridis medicaginis* Womersley (2190) p. 257; Australia.

Sminthurus viridis multipunctatus Schaeffer, 1896

1896. *Sminthurus viridis multipunctatus* Schaeffer (1735) p. 210, Pl. I, fig. 6; Germany.
1900. *Sminthurus viridis multipunctata* Börner (228) p. 613; = *Eusminthus.*
1915. *Sminthurus viridis multipunctatus* Ionesco (1105) p. 224; Roumania.
1916. *Sminthurus viridis multipunctatus* Ionesco (1106) p. 502; Roumania.
1920. *Sminthurus viridis multipunctatus* Ionesco (1107) p. 30; Roumania.

Sminthurus viridis nigro-maculatus Tullberg, 1871

TYPE?: Swed. Mus. Nat. Hist., Stockholm.
1871. *Sminthurus viridis nigro-maculatus* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus viridis nigro-maculatus* Tullberg (2003) p. 30, Pl. III, fig. 5.
1884. *Sminthurus viridis nigro-maculatus* Parona (1559) p. 428; Tunisia.
1888. *Sminthurus fuscus nigromaculatus* Dalla Torre (497) p. 150.
1895. *Sminthurus viridis nigromaculatus* Reuter (1643) p. 9; Finland; Sweden.
1893. *Sminthurus viridis nigromaculatus* Schött (1765) p. 22; Sweden.
1897. *Sminthurus viridis nigromaculata* Schäffer (1735) p. 210; Germany.
1898. *Sminthurus viridis nigromaculata* Scherbakow (1750) p. 60; Kiev, Russia.
1900. *Sminthurus viridis nigro-maculatus* Börner (228) p. 613; = *Eusminthurus.*
1904. *Sminthurus viridis nigromaculata* Axelson (79) p 83; Norway.
1905. *Sminthurus viridis nigro-maculatus* Axelson (81) p 42; Finland.
1907. *Sminthurus viridis nigromaculatus* Axelson (83) p. 134; Finland.
1908. *Sminthurus viridis nigromaculata* Schille (1755) p. 15; Poland.
1912. *Sminthurus viridis nigromaculatus* Axelson (1292) p. 314; Finland.
1912. *Sminthurus viridis nigromaculata* Schille (1756) p. 15; Galizien.
1920. *Sminthurus viridis nigromaculata* Stach (1859) p. 215; Poland.
1930. *Sminthurus viridis nigromaculata* Buitendijk (334) p. 75; Holland.
1930. *Sminthurus viridis nigro-maculatus* Stach (1869) p. 310; Europe.
1933. *Sminthurus viridis nigromaculata* Schubert (1787) p. 187; Ecology.
1935. *Sminthurus viridis nigromaculatus* Schubert (1791) pp. 105–, 202–, 366–; Germany.
1938. *Sminthurus viridis nigromaculata* Strebel (1917) p. 116; Germany, Ecology.
1941. *Sminthurus viridis nigromaculata* Buitendijk (336) p. 1–; Netherlands.
1956. *Sminthurus viridis nigromaculata* Stach (1894) p. 268; Europe.
1956. *Sminthurus viridis nigromaculata* Stevanovic (1903) p. 1–; Yugoslavia.
1958. *Sminthurus viridis nigromaculata* Grindbergs (2276) p. 78; Latvia.
1958. *Sminthurus viridis nigromaculata* Grindbergs (2277) p. 205; Latvia.
1960. *Sminthurus (Sminthurus) viridis nigromaculata* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis pictus Axelson, 1919

TYPE: Univ. Mus., Div. Ent., Helsinki.
1919. *Sminthurus viridis picta* Axelson (1293) p. 12, figs. 4–9; Siberia.
1960. *Sminthurus (Sminthurus) viridis picta* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis sabulosus Skorikow, 1899

1899. *Sminthurus viridis sabulosa* Skorikow (1830) p. 385; Russia.
1960. *Sminthurus viridis sabulosa* Grindbergs (2373) p. 64; U.S.S.R.

Sminthurus viridis stscherbakowi Skorikow, 1899

1899. *Sminthurus viridis stscherbakowi* Skorikow (1830) p. 385; Russia.
1960. *Sminthurus viridis stscherbakowi* Grindbergs (2373) p. 64; U.S.S.R.

Sminthurus viridis speciosus Schött, 1893

1893. *Sminthurus viridis speciosus* Schött (1765) p. 23; Palaearctic
1896. *Sminthurus viridis speciosa* Lie-Pettersen (1281) p. 8; Norway.
1898. *Sminthurus viridis speciosa* Scherbakow (1750) p. 60; Kiev, Russia.
1901. *Sminthurus viridis speciosa* Krausbauer (1204) p. 40; Germany.
1903. *Sminthurus viridis speciosa* Ågren (55) p. 167; Sweden.
1905. *Sminthurus viridis speciosa* Axelson (81) p. 43; Finland.
1906. *Sminthurus viridis speciosa* Wahlgren (2080) p. 270; Sweden.
1907. *Sminthurus viridis speciosa* Axelson (83) p. 134; Finland.
1912. *Sminthurus viridis speciosa* Axelson (1292) p. 314; Finland.
1912. *Sminthurus viridis speciosa* Schille (1756) p. 15; Galizien.
1912. *Sminthurus viridis speciosus* Schille (2394) p. 129; Poland.
1938. *Sminthurus viridis speciosa* Kseneman (1220) p. 21; Europe.
1956. *Sminthurus viridis speciosa* Stach (1894) p. 269; Poland.
1958. *Sminthurus viridis speciosa* Grindbergs (2276) p. 78; Latvia.
1958. *Sminthurus viridis speciosa* Grindbergs (2277) p. 205; Latvia.
1960. *Sminthurus (Sminthurus) viridis speciosa* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis tripunctatus Reuter, 1891

1891. *Sminthurus viridis tripunctatus* Reuter (1641) p. 227; Siberia.
1893. *Sminthurus viridis tripunctatus* Schött (1765) p. 23, Pl. I, fig. 5; Palaearctic.
1900. *Sminthurus viridis tripunctata* Schäffer (1738) p. 232; N.W. Siberia.
1930. *Sminthurus viridis tripunctatus* Kel'shtein (1161) p. 78; Russia.
1960. *Sminthurus (Sminthurus) viridis tripunctata* Grindbergs (2373) p. 61; U.S.S.R.

Sminthurus viridis variegatus Latzel, 1917

1917. *Sminthurus viridis variegatus* Latzel (1249) p. 250; Austria.

Sminthurus viridis xerophilus Skorikow, 1899

1899. *Sminthurus viridis xerophila* Skorikow (1830) p. 388, Tab. VI, fig. 2; Russia.

Sminthurus wahlgreni Stach, 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Sminthurus wahlgreni* Stach (1859) p. 207, Pl. 5, fig. 4; Poland.
1929. *Sminthurus wahlgreni* Handschin (1008) p. 120, fig. 214; Poland.
1930. *Sminthurus wahlgreni* Stach (1869) p. 310; Distribution.
1955. *Sminthurus wahlgreni* Stach (1893) p. 192, figs. 588–590; Add. Description.
1956. *Sminthurus wahlgreni* Stach (1894) p. 246, Pl. XXVIII, figs. 3–7; Poland.
1956. *Sminthurus wahlgreni* Stevanovic (1903) p. 4–; Yugoslavia.
1960. *Sminthurus wahlgreni* Gisin (2271) p. 292; Poland.

Sminthurus womersleyi Denis, 1948

1948. *Sminthurus womersleyi* Denis (676) p. 295, fig. 38; Indo-China.
1956. *Sminthurus womersleyi* Stach (1894) p. 235; Indo-China.

Sminthurus wutaii Uchida, 1948

1948. *Sminthurus (Sminthurus) wutaii* Uchida (2022) p. 4, Pl. II, G-R; China.
1956. *Sminthurus wutaii* Stach (1894) p. 229; Systematics.

Sminthurus yonahlossee Wray, 1948

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1948. *Sminthurus yonahlossee* Wray (2199) p. 47, figs. 10–13; Nth. Carolina.
1950. *Sminthurus yonahlossee* Wray (2202) p. 7; Nth. Carolina.
1956. *Sminthurus yonahlossee* Stach (1894) p. 233; U.S.A.

Genus: ALLACMA Börner, 1906 (243) p. 183.
= *Smynthurus* Latreille, 1802 (1241) p. 79; *ad partem.*
= *Sminthurus* Tullberg, 1872 (2003) p. 29; *ad partem.*
= *Eusminthurus* Börner, 1900 (228) p. 611; *ad partem.*
Type species fixed: *A. fusca* (Linné) 1758, by Börner. 1906 (243) p. 183.

Allacma fusca (Linné) 1758

COTYPE: Swed. Mus. Nat. Hist., Stockholm.
HYPOTYPE: Lab. Zool. Fac. Sci., Dijon, France.
1743. *Podura fusca* De Geer (531) p. 296 and figs; Description; Europe.
1758. *Podura fusca* Linné (1300) p. 608; Europe.
1761. *Podura fusca* Poda (1600) p. 120; Greece.
1762. *Podura fusco-nigra* Geoffroy (837) p. 607; Paris.
1762. *Podura fusca* Geoffroy (837) p. 608; Paris.
1762. *Podura fusco-nigra* Geoffroy (841) p. 607; Europe
1767. *Podura atra* Linné (1302) p. 1019; Europe.
1775. *Podura atra* Muller (1471) p. 1018; Europe.
1776. *Podura atra* Muller (1470) p. 183; Denmark.
1778. *Podura globosa fusca* De Geer (532) p. 35, Pl. 3, figs. 7–14.
1778. *Podura atra* De Geer (532) p. 35, Pl. 3, figs. 7, 8; Europe.
1778. *Podura atra* J. C. Fabricus (747) p. 381; Germany.
1781. *Podura atra* Schrank (1784) p. 495; Austria.
1793. *Podura atra* Fabricius (749) p. 65; Europe.
1793. *Podura signata* Fabricius (749) p. 65; Europe.
1793. *Podura atra* Gmelin (910) p. 2098; Europe.
1802. *Smynthurus fuscus* Latreille (1241) p. 82, Pl. LXXVIII, figs. 5, 6; Europe.
1803. *Smynthurus fuscus* Latreille (1243) p. 574; Europe.
1806. *Smynthurus fuscus* Latreille (1244) p. 166; Europe.
1815. *Smynthurus fuscus* Leach (1254) p. 77; Europe.
1827. *Smynthurus fuscus* Brébisson (272) p. 273; France.
1835. *Smynthurus fuscus* Lacordaire & Boisduval (196) p. 116; Paris.
1835. *Sminthurus ater* Lacordaire & Boisduval (196) p 116; Paris.
1835. *Smynthurus ater* Templeton (1957) p. 97; Ireland; Britain.
1838. *Smynthurus fuscus* Burmeister (339) p. 451; Europe.
1840. *Sminthurus fuscus* Lucas (1326) p. 567; Europe.
1841. *Sminthurus fuscus* Bourlet (261) p. 145; Europe.
1842. *Smynthurus fuscus* Bourlet (265) p. 57; Europe.
1842. *Sminthurus fuscus* Erichson (730) p. 313; Europe.
1842. *Smynthurus fuscus* Nicolet (1493) p. 82, Pl. 9, fig. 10; Europe.
1842. *Smynthurus signatus* Nicolet (1493) p. 81; Europe.
1844. *Smynthurus ater* Gervais (841) p. 403, Pl. 51, fig 5; Description.
1844. *Smynthurus fuscus* Gervais (841) p. 402; Europe.
1844. *Smynthurus signatus* Gervais (841) p. 400; Europe.
1844. *Sminthurus fuscus* Lucas (1327) p. 297; Reference.
1845. *Sminthurus fuscus* Bourlet (266) p. 68; Europe.
1847. *Smynthurus fuscus* Nicolet (1496) p. 358; Europe.
1849. *Smynthurus signatus* Lucas (1329) Syn. *S. fuscus* and *S. ater*; Algeria.
1862. *Smynthurus Buskii* Lubbock (1314) p. 431; Europe.
1862. *Sminthurus fuscus* Lubbock (1315) p. 590; England.
1869. *Smynthurus signatus* Porath (1608) p. 652; Europe.
1871. *Sminthurus fuscus* Tullberg (2002) p. 144; Sweden.
1872. *Sminthurus fuscus* Tullberg (2003) p. 29, Pl. I, figs. 1–27, Pl. II, figs. 1–15; Sweedn.
1872. *Podura fusca* Tullberg (2003) p. 29, Pl. I, figs. figs, 1–27, Pl. II, figs. 1–15; Sweden.
1873. *Smynthurus fuscus* Lubbock (1318) p. 101, Pl. II; Sweden; Switzerland; France; England; Germany.
1876. *Sminthurus fuscus* Reuter (1628) p. 79; Finland.
1878. *Smynthurus fuscus* Parona (1557) p. 17; Italy.
1878. *Smynthurus fuscus* Parona (1557) p. 575; Italy.
1880. *Sminthurus fuscus* Reuter (1627) p. 205; Scotland.
1880. *Sminthurus fuscus* Reuter (1629) p. 205; Scotland.

1883. *Sminthurus fuscus* Lemoine (1271) p. 481–; Life History.
1883. *Sminthurus fuscus* Parona (1558) p. 461; Italy.
1883. *Smynthurus fuscus* Tomosvary (1984) p. 34; Hungary.
1884. *Smynthurus fuscus* Parona (1559) p. 428; Tunisia.
1885. *Smynthurus fuscus* Parona (1560) p. 36; Sardinia.
1887. *Sminthurus fuscus* Oudemans (1510) p. 54; Anatomy.
1888. *Smynthurus fuscus* Parona (1562) p. 86; Sardinia.
1888. *Smynthurus fuscus* Parona (1563) p. 135; Italy.
1888. *Sminthurus fuscus* Oudemans (1511) pp. 188, 218; Biology.
1889. *Smynthurus fuscus* Moniez (1441) p. 26; France; Europe; Africa.
1890. *Sminthurus fuscus* Uzel (2050) p. 34; Bohemia.
1893. *Sminthurus fuscus* Schött (1764) p. 6, Pl. II, figs. 1–3; Cameroons.
1893. *Sminthurus fuscus* Schött (1765) p. 21; Distribution.
1895. *Smynthurus fuscus* Parona (1565) p. 697; Argentina.
1895. *Sminthurus fuscus* Reuter (1643) p. 9; Finland; Europe; Nth. Africa.
1895. *Sminthurus fuscus purpurascens* Reuter (1643) p. 9; Finland.
1896. *Sminthurus fuscus* Lie-Pettersen (1281) p. 8; Norway.
1896. *Sminthurus fuscus* Schäffer (1735) p. 209; Germany.
1897. *Sminthurus fuscus* Poppe & Schäffer (1607) p. 271; Germany.
1897. *Sminthurus fuscus* Willem & Sabbe (2138) p. 131; Physiology.
1897. *Sminthurus fuscus* Willem (2122) p. 226; Physiology.
1899. *Sminthurus fuscus* Carl (351) p. 4; France; Switzerland.
1899. *Sminthurus fuscus* Carl (352) p. 352; Switzerland.
1899. *Sminthurus fuscus* Carpenter & Evans (402) p. 225; Scotland.
1899. *Sminthurus fuscus* Lie-Pettersen (1283) p. 4; Norway.
1899. *Sminthurus fuscus* Plateau (1597) p. 762–; Systematics.
1900. *Eusminthurus fuscus* Börner (228) p. 612; Europe.
1900. *Eusminthurus fuscus albiceps* Börner (228) p. 612; Europe.
1900. *Smynthurus fuscus* Prowazek (1614) p. 336–; Morphology.
1900. *Smynthurus fuscus* Vellay (2056) p. 20; Hungary.
1900. *Sminthurus fuscus* Willem (2123) p. 56, Pls. XII, XIII, XIV, figs. 1–5, 8, 10, 11.
1900. *Sminthurus fuscus* Schäffer (1739) p. 277; Germany.
1901. *Smynthurus fuscus* Absolon (11) p. 39; Czechoslovakia.
1901. *Sminthurus fuscus* Absolon (12) p. 113; Systematics.
1901. *Eusminthurus fuscus* Börner (234) p. 117, figs. 38, 55, 56; Central Europe.
1901. *Sminthurus fuscus albiceps* Börner (234) p. 119, Pl. I, fig. 6; Central Europe.
1901. *Eusminthurus fuscus purpurascens* Börner (234) p. 119; Germany.
1901. *Sminthurus fuscus* Boyd (268) p. 317; Scotland.
1901. *Sminthurus fuscus* Carl (354) p. 273; Switzerland.
1901. *Sminthurus fuscus* Evans (740) p. 151; Scotland.
1901. *Sminthurus fuscus* Krausbauer (1204) p. 40; Germany.
1902. *Sminthurus fuscus* Becker (158) p. 20; Russia.
1902. *Sminthurus fuscus* Börner (235) p. 105, fig. 16; Systematics.
1903. *Sminthurus fuscus* Ågren (55) p. 168; Sweden.
1903. *Sminthurus fuscus* Diem (688) p. 360; Ecology.
1903. *Sminthurus fuscus* Guthrie (951) p. 53, Pl. II, figs. 1–9; Minnesota.
1904. *Sminthurus fuscus* Ågren (56) p. 25; Lapland.
1905. *Sminthurus fuscus* Axelson (81) p. 43; Finland.
1906. *Allacma fusca* Börner (243) p. 183; Systematics.
1906. *Sminthurus fuscus* Lie-Pettersen (1284) p. 74; Norway.
1906. *Sminthurus fuscus* Wahlgren (2080) p. 270; Sweden.
1907. *Allacma fusca* Axelson (83) p. 134; Finland.
1907. *Allacma fusca* Axelson (84) p. 5; Finland.
1908. *Sminthurus fuscus* Börner (245) Pl. VI, fig. 9; = *Allacma fusca.*
1908. *Sminthurus fuscus* Schille (1755) p. 15; Poland.
1910. *Allacma fusca* Collinge (464) p. 13; England.
1910. *Allacma fusca* Collinge & Shoebotham (472) p. 124; England.
1910. *Sminthurus fuscus* Theobald (1964) p. 184–; Gen. Economics.
1912. *Allacma fusca* Axelson (1292) p. 318; Finland.
1912. *Sminthurus fuscus* Dahl (496) p. 420; Ecology.
1912. *Sminthurus fuscus* Schille (1756) p. 15; Galizien.
1912. *Sminthurus fuscus* Schille (2394) p. 129; Poland.
1913. *Sminthurus fuscus* Carpenter (388) p. 11; Clare Is., Ireland.
1915. *Allacma fusca* Ionesco (1105) p. 224; Rumania.
1916. *Allacma fusca* Bartholin (149) p. 204; Denmark.
1916. *Allacma fusca* Carr (407) p. 66; England.
1916. *Allacma fusca* Ionesco (1106) p. 507; Rumania.
1917. *Sminthurus fusca pardalina* Latzel (1249) p. 251; Austria.
1918. *Smynthurus fuscus* Vellay (2058) p. 20; Hungary.
1919. *Allacma fusca* Wahlgren (2089) p. 751; Sweden.
1920. *Allacma fusca* Ionesco (1107) p. 34; Rumania.
1920. *Allacma fusca* Stach (1859) p. 219; Poland.
1921. *Allacma fusca* Brown (301) p. 143; Isle of Wight.
1921. *Allacma fusca* Denis (615) p. 133; France.
1922. *Allacma fusca* Latzel (1250) p. 76; Ostalpen & Karstes; Austria.
1923. *Allacma fusca* Brown (302) p. 263; England.
1923. *Allacma fusca* Stach (1863) p. 15; Systematics; Germany.
1923. *Allacma fusca* Womersley (2147) p. 36; S.W England.
1924. *Allacma fusca* Denis (614) p. 294; France.
1925. *Allacma fusca* Denis (617) p. 212; Italy.
1925. *Allacma fusca* Handschin (986) p. 234; Germany; Europe; America; Nth. Africa; Tunis; Azores.
1926. *Allacma fusca* Brown (307) p. 335; England.
1926. *Allacma fusca* Womersley (2153) p. 221; S.W. England.
1927. *Allacma fusca* Denis (629) p. 206; Italy.
1927. *Allacma fusca* Handschin (999) p. 298; Westfalian peat bogs.
1928. *Allacma fusca* Handschin (1003) p. 133; East Prussia.
1928. *Allacma fusca* Handschin (1005) p. 9; Algeria.
1928. *Allacma fusca* Womersley (2154) p. 379; S.W. England.
1928. *Allacma fusca* Womersley (2159) p. 62; Lundy Island; Devonshire.

1929. *Allacma fusca* Handschin (1008) p. 121; Europe; Nth. Africa; Nth. America.
1930. *Allacma fusca* Buitendijk (334) p. 74; Holland.
1930. *Smynthurus fuscus* Mills (1414) p. 390–.
1930. *Allacma fusca* Stach (1869) p. 311; Cosmopolitan.
1930. *Allacma fusca* Stach (1871) p. 275; Germany.
1930. *Allacma fusca* Womersley (2168) p. 197; Ireland.
1931. *Allacma fusca* Denis (639) p. 235; Germany.
1933. *Allacma fusca* Folsom (802) p. 937; Economics.
1933. *Allacma fusca* Schubert (1787) p. 181; Ecology.
1933. *Allacma fusca* Schubert (1789) p. 3; Germany.
1933. *Allacma fusca* Turk (2007) p. 95; Britain.
1934. *Allacma fusca* Agrell (37) p. 236; Ecology; Sweden.
1934. *Sminthurus fuscus* Perrier (1576) p. 39; Europe.
1935. *Allacma fusca* Schubert (1790) p. 94; Europe.
1935. *Allacma fusca* Schubert (1791) pp. 108–, 202–, 367–; Germany; Poland.
1937. *Sminthurus fuscus* Edinger (712) p. 4; California.
1937. *Allacma fusca* Frenzel (828) p. 296; Ecology.
1937. *Allacma fusca* Schubert (1792) p. 129; Cosmopolitan.
1941. *Allacma fusca* Buitendijk (336) p. 93; Netherlands; Europe; Nth. America; Nth. Africa.
1941. *Sminthurus fuscus* Kevan (1164) p. 249; Britain.
1941. *Allacma fusca* Szent-Ivany (1947) p. 24; Hungary.
1942. *Allacma fusca* Marlier (1375) p. 11; Belgium.
1942. *Sminthurus fuscus* Scott (1796) p. 184; West U.S.A.
1943. *Allacma fusca* Agrell (47) p. 127; Sweden
1943. *Sminthurus* (*Allacma*) *fusca* Gisin (853) p. 182; Switzerland.
1945. *Allacma fusca* Agrell (50) p. 10; Sweden; Talpa, and Arvicola nests.
1948. *Sminthurus fuscus* Gisin (869) p. 512; Switzerland; France; Ecology.
1949. *Allacma fusca* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Allacma fuscum* Paclt (1536) p. 163; Czechoslovakia.
1951. *Allacma fusca* Stach (1889) p. 13, fig. 6 D; Poland.
1955. *Allacma fusca* Chopard (434) p. 26, Pl. I, fig. 22; France.
1955. *Allacma fusca* Stach (1893) p. 195, figs. 594–597; Europe; America; Africa.
1956. *Allacma fusca* Mayer (1389) p. 138; Reproduction.
1956. *Allacma fusca* Paclt (1541) p. 110; = *Sminthurus fuscus*, p. 134.
1956. *Allacma fusca* Stach (1894) p. 217, Pl. XXVII; Poland.
1957. *Allacma fusca* Haarlov (2281) p. 9; Habitat; Denmark.
1957. *Allacma fusca* Mayer (1390) p. 503, figs. 5, 12–14, 18, 20, 32; Biology.
1957. *Allacma fusca* Kuhnelt (1224) p. 91; Ecology.
1958. *Allacma fusca* Grindbergs (2276) p. 78; Latvia.
1958. *Allacma fusca* Grindbergs (2277) p. 205; Latvia.
1958. *Allacma fusca* Kholova (1169) p. 235; Bohemia.
1958. *Allacma fusca* Nosek (1503) p. 358–; Czechoslovakia.
1959. *Sminthurus fuscus* Franz & Gunhold, etc. (2369) p. 59; Communities.
1959. *Sminthurus fuscus* Haybach (2375) Tab. VIII; Ecology.
1960. *Sminthurus fuscus* Gisin (2271) p. 294; Europe
1960. *Sminthurus* (*Sminthurus*) *fuscus* Grindbergs (2373) p. 62; U.S.S.R.

Allacma fusca albiceps (Börner) 1901

1901. *Sminthurus fuscus albiceps* Börner (234) p. 119, Pl. I, fig. 6; Europe.
1907. *Allacma fusca albiceps* Axelson (83) p. 134; Finland.
1912. *Allacma fusca albiceps* Axelson (1292) p. 320; Finland.
1920. *Allacma fusca albiceps* Ionesco (1107) p. 34; Rumania.
1930. *Allacma fusca albiceps* Stach (1869) p. 311; Cosmopolitan.
1956. *Allacma fusca albiceps* Stach (1894) p. 222; Europe.
1958. *Allacma fusca albiceps* Grindbergs (2276) p. 78; Latvia.
1958. *Allacma fusca albiceps* Grindbergs (2277) p. 205; Latvia.

Allacma fusca atra (Scherbakow) 1898

1898. *Sminthurus fuscus atra* Scherbakow (1750) p. 65; Kiev.
1960. *Sminthurus fuscus atra* Grindbergs (2373) p. 64; U.S.S.R.

Allacma fusca cavernicola (Schaeffer) 1900

1900. *Papirius fuscus cavernicola* Schaeffer (1739) p. 277; Germany.

Allacma fusca maculata (Krausbauer) 1898

1898. *Sminthurus fuscus maculata* Krausbauer (1203) p. 495; Germany.
1900. *Eusminthurus fuscus maculata* Börner (228) p. 612; Systematics.
1903. *Sminthurus fuscus maculata* Ågren (55) p. 168; Sweden.

Allacma fusca pardalina Latzel, 1917

1917. *Allacma fusca pardalina* Latzel (1249) p. 251; Austria.
1956. *Sminthurus fuscus pardalina* Bockemuhl (193) p. 150; Spitzbergen.
1956. *Allacma fusca pardalina* Stach (1894) p. 222; Austria.

Allacma fusca pardalis (Carl) 1899

1899. *Sminthurus fuscus pardalis* Carl (351) p. 4; France.

Allacma fusca picea Latzel, 1917

1917. *Allacma fusca picea* Latzel (1249) p. 251; Austria.
1956. *Sminthurus fuscus picea* Bockemuhl (193) p. 150; Spitzbergen.
1951. *Allacma fusca piceum* Paclt (1536) p. 163; Bohemia.

Allacma fusca purpurascens (Reuter) 1893 in litt.

1893. *Sminthurus fuscus purpurascens* Schött (1765) p. 21; Kola Peninsula; Finland.
1895. *Sminthurus fusca purpurascens* Reuter (1643) p. 9; Finland.
1898. *Sminthurus fuscus purpurascens* Lie-Pettersen (1282) p. 5; Norway.
1898. *Sminthurus fuscus purpurascens* Scherbakow (1750) p. 60; Kiev.
1898. *Sminthurus fuscus purpurascens* Scherbakow (1751) p. 21; Kiev.
1900. *Sminthurus purpurascens* Schaeffer (1738) p. 252; Kola Peninsula; Arctic Finland.
1900. *Smynthurus fuscus purpurascens* Vellay (2056) p. 20; Hungary.
1901. *Sminthurus fuscus purpurascens* Börner (234) p. 119; Central Europe.

1901. *Sminthurus fuscus purpurascens* Krausbauer (1204) p. 40; Germany.
1905. *Sminthurus fuscus purpurascens* Axelson (81) p. 43; Finland.
1907. *Allacma fusca purpurascens* Axelson (83) p. 134; Finland.
1908. *Sminthurus fuscus purpurascens* Schille (1755) p. 15; Poland.
1912. *Sminthurus fusca purpurascens* Axelson (1292) p. 319; Finland.
1918. *Smynthurus fuscus purpurascens* Vellay (2058) p. 20.
1920. *Sminthurus fusca purpurascens* Stach (1859) p. 220; Poland; Europe; Nth. America.
1930. *Allacma fusca purpurascens* Stach (1869) p. 311; Cosmopolitan.
1937. *Allacma fusca purpurascens* Kseneman (1217) p. 474; Carpathians.
1949. *Sminthurus fusca purpurascens* Strenzke (1922) p. 209; Germany; Ecology.

Allacma fusca pustulata (Krausbauer) 1901

1901. *Sminthurus fuscus pustulata* Krausbauer (1204) p. 40; Germany.
1912. *Sminthurus fuscus pustulatea* Schille (1756) p. 15; Poland.

Genus: SPHYROTHECA Börner, 1906 (243) p. 183.
= *Lipothrix* Börner, 1906 (243) p. 183.
Type species fixed: *S. multifasciata* (Reuter) by Börner, 1906 (243) p. 183.

Sphyrotheca aleta Wray, 1953

TYPE: Insect Surv. Mus., N.C. Dept. of Agric., Raleigh, North Carolina.
1953. *Sphyrotheca aleta* Wray (2210) p. 149, fig. 2 W-GG; Puerto Rico.
1956. *Sphyrotheca aleta* Stach (1894) p. 209; Puerto Rico.
1957. *Sphyrotheca aleta* Jeannenot (1135) p. 412; Systematics.

Sphyrotheca curvisetis (Guthrie) 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, U.S.A.
1903. *Sminthurus curvisetis* Guthrie (951) p. 50, Pl. III, figs. 1–7; Minnesota.
1934. *Neosminthurus curvisetis* Mills (1417) p. 99, figs. 14, 169; Iowa.
1946. *Neosmynthurus curvisetis* Pearse (1575) p. 139; Ecology.
1957. *Sphyrotheca curvisetis* Jeannenot (1135) p. 412.

Sphyrotheca hispida Yosii, 1959

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1959. *Sphyrotheca hispida* Yosii (2355) p. 60, figs. 35, 36; Singapore.

Sphyrotheca longisetis (Guthrie) 1903

TYPE: Dept. Anim. Biol., Univ. Minnesota, U.S.A.
1903. *Sminthurus longisetis* Guthrie (951) p. 51, Pl. III, figs. 8–13 b; Minnesota.
1957. *Sphyrotheca longisetis* Jeannenot (1135) p. 412.

Genus: PARASPHYROTHECA Salmon, 1951 (1694) p. 138.
Type species fixed: *P. magnificata* by Salmon, 1951 (1694) p. 140.

***Parasphyrotheca dawydoffi** (Denis) 1948

1948. ***Sminthurus dawydoffi* Denis (676) p. 303, fig. 40; Indo-China.
1956. *Sminthurus dawydoffi* Stach (1894) p. 230; Indo-China.

Parasphyrotheca magnificata Salmon, 1951

TYPE: Auth. Colln., Vict. Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.
1951. *Parasphyrotheca magnificata* Salmon (1694) p. 140, figs. 41–44; Malaya.
1957. *Sphyrotheca magnificata* Jeannenot (1135) p. 413.

Parasphyrotheca subfusca Salmon, 1951

TYPE: Auth. Colln., Vict. Univ., Wellington, N.Z.
PARATYPES: Raffles Mus., Singapore.
1951. *Parasphyrotheca subfusca* Salmon (1694) p. 138, figs. 37–40; Malaya.
1957. *Sphyrotheca subfusca* Jeannenot (1135) p. 414.

Genus: ASPHYROTHECA Stach, 1956 (1894) p. 205.
Type species fixed: *S. sphaera* (Salmon) by Stach, 1956 (1894) p. 205.

Asphyrotheca sphaera (Salmon) 1946

TYPE: Dominion Mus., Wellington, N.Z.
1946. *Sphyrotheca sphaera* Salmon (1686) p. 58, figs. 63–66; New Zealand.
1956. *Asphyrotheca sphaera* Stach (1894) p. 205; Taxonomy.
1957. *Sphyrotheca sphaera* Jeannenot (1135) p. 414.

Genus: DELATHECA *gen. nov.*
Type species here designated: *D. bernardi* (Delamare Deboutteville) 1953.

Delatheca bernardi (Delamare Deboutteville) 1953

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1953. *Sphyrotheca bernardi* Delamare Deboutteville (584) p. 315, figs. 11, 12; Algeria.
1953. *Sphyrotheca Bernardi* Delamare Deboutteville (587) p. 486–; Algeria; Ecology.
1956. *Sphyrotheca bernardi* Stach (1894) p. 208; Algeria.

Genus: INDOTHECA Stach, 1956 (1894) p. 206.
Type species fixed: *I. biniserrata* (Salmon), by Stach, 1956 (1894) p. 206.

Indotheca biniserrata (Salmon) 1951

TYPE: Auth. Colln., Vict. Univ., Wellington, N.Z.
PARATYPE: Raffles Mus., Singapore.
1951. *Sphyrotheca biniserrata* Salmon (1694) p. 138, figs. 33–36; Malaya.
1956. *Indotheca biniserrata* Stach (1894) p. 206; Taxonomy.
1957. *Sphyrotheca biniserrata* Jeannenot (1135) p. 414.

Genus: NEOSPHYROTHECA *gen. nov.*
Type species here designated: *N. fasciata* (Salmon) 1951.

Neosphyrotheca fasciata (Salmon) 1951

TYPE: Auth. Colln., Vict. Univ., Wellington, N.Z.
PARATYPE: Raffles Mus., Singapore.
1951. *Parasphyrotheca fasciata* Salmon (1694) p. 140, figs. 45–57; Malaya.
1957. *Sphyrotheca fasciata* Jeannenot (1135) p. 413.

* This species would appear to be more correctly placed now in the genus *Parasphyrotheca.*

Tribe: BOURLETIELLINI Börner, 1913 (249) p. 322.

Genus: ANDIELLA Stach, 1955 (1892) p. 51.
Type species fixed: *A. paryskii* by Stach, 1955 (1892) p. 54.

Andiella domeykoi Stach, 1955

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1955. *Andiella domeykoi* Stach (1892) p. 57, figs. 5–7; Argentina.

Andiella paryskii Stach, 1955

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1955. *Andiella paryskii* Stach (1892) p. 55, figs. 1–4; Argentina.

Genus: RASTRIOPES Börner, 1906 (243) p. 182.
Type species fixed: *R. aculeatus* (Schött) by Börner, 1906 (243) p. 182; type given by Stach, 1955 (1892) p. 54, as *R. amphigya* Börner, 1907 (244) p. 158.

Rastriopes aculeata (Schött) 1901

1901. *Sminthurus aculeatus* Schött (1771) p. 327; Dutch New Guinea.
1906. *Rastriopes aculeatus* Börner (243) p. 182; Taxonomy.
1907. *Bourletiella* (*Rastriopes*) *aculeatus* Börner (244) p. 159, figs. 21, 24; Madagascar.

Rastriopes amphigya Börner, 1907

TYPE: Brit. Mus. Nat. Hist., London.
1907. *Bourletiella* (*Rastriopes*) *amphigya* Börner (244) p. 158, figs. 19, 20, 22; Madagascar.
1955. *Rastriopes amphigya* Stach (1892) p. 54; Southern Hemisphere.

Rastriopes dromedarius Womersley, 1932

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1932. *Deuterosminthurus* (*Rastriopes*) *dromedarius* Womersley (2172) p. 28, figs. 9 a-f; Australia.
1939. *Deuterosminthurus* (*Rastriopes*) *dromedarius* Womersley (2190) p. 246, fig. 72 A-G; Australia.

Rastriopes gisiniana Murphy, 1960

1960. *Bourletiella* (*Rastriopes*) *gisiniana* Murphy (2385) p. 579, figs. 76–86; Gambia.

Rastriopes handschini Womersley, 1932

SYNTYPES: Sth. Austr. Mus., Adelaide.
1932. *Deuterosminthurus* (*Rastriopes*) *handschini* Womersley (2172) p. 28, fig. 9 g-m; Australia.
1939. *Deuterosminthurus* (*Rastriopes*) *handschini* Womersley (2190) p. 247, fig. 72 H; Australia.

Rastriopes lineata Womersley, 1931

SYNTYPES?: Sth. Austr. Mus., Adelaide.
1931. *Rastriopes lineata* Womersley (2171) p. 144, Pl. XI, figs. 1–7; South Africa.

Rastriopes pampeanus Rapoport and Bianco, 1962

1962. *Rastriopes pampeanus* Rapoport and Bianco (2578) p. 245, figs. 1–12; Argentina.

Rastriopes rastrifer Denis, 1948

1948. *Rastriopes rastrifer* Denis (676) p. 292, fig. 37; Indo-China.

Rastriopes tricuspidatus (Parona, 1895) Börner, 1907

1895. *Sminthurus pallipes* Parona (1565) p. 2; Argentina.
1907. *Bourletiella* (*Rastriopes*) *tricuspidata* Börner (244) p. 174, fig. 23; South America.

Genus: BOVICORNIA Delamare Deboutteville, 1947 (544) p. 103.
Type species fixed: *B. coronata* by Delamare Deboutteville, 1947 (544) p. 104.

Bovicornia coronata Delamare Deboutteville, 1947

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1947. *Bovicornia coronata* Delamare Deboutteville (544) p. 104, fig. 1; Senegal, French West Africa.
1951. *Bovicornia coronata* Delamare Deboutteville (572) pp. 239–244, 2 figs.; Senegal, Morphology.
1960. *Bovicornia coronata* Murphy (2385) p. 582, figs. 90, 96; Gambia.

Bovicornia uniformis Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Bovicornia uniformis* Murphy (2385) p. 583, figs. 87–89, 91–95; Gambia.

Genus: PRORASTRIOPES Delamare Deboutteville, 1947 (544) p. 105.
Type species fixed: *P. pulchra,* by Delamare Deboutteville, 1947 (544) p. 104.

Prorastriopes fuscus (Yosii) 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1960. *Rastriopes* (*Prorastriopes*) *fuscus* Yosii (2408) p. 34, fig. 20; New Caledonia.

Prorastriopes pulchrus Delamare Deboutteville, 1947

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1947. *Prorastriopes pulchra* Delamare Deboutteville (544) p. 105, fig. 2; Senegal, French West Africa.

Prorastriopes pulchrus punctatus Delamare Deboutteville, 1947

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1947. *Prorastriopes pulchra punctata* Delamare Deboutteville (544) p. 106, fig. 2a; Senegal, French West Africa.

Prorastriopes risbeci Delamare Deboutteville, 1947

TYPE: Auth. Colln., Fac. Sci., Univ. Nancy, France.
1947. *Prorastriopes risbeci* Delamare Deboutteville (544) p. 106; Senegal, French West Africa.

Genus: KATIANNINA Maynard, 1951 (1393) p. 242.
= *Polyclavella* Stach, 1955 (1892) p. 53.
Type species fixed: *K. macgillivrayi* (Banks) by Maynard, 1951 (1393) p. 242.

Katiannina batrachos (Wray) 1948

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1948. *Deuterosminthurus batrachos* Wray (2199) p. 48, figs. 14–18; North Carolina.
1950. *Deuterosminthurus batrachos* Wray (2202) p. 7; North Carolina.
1955. *Polyclavella batrachos* Stach (1892) p. 53; Nth. Carolina.

Katiannina macgillivrayi (Banks) 1897

TYPE: Mus. Comp. Zool., Harvard.
1897. *Smynthurus macgillivrayii* Banks (136) p. 34; New York.
1899. *Smynthurus macgillivrayii* Banks (138) p. 197; Long Island, New York.
1909. *Smynthurus macgillivrayi* Dow and Smith (692) p. 34; New Jersey.
1928. *Smynthurus macgillivrayii* Folsom (800) p. 11–; New York.
1951. *Katianna macgillivrayi* Maynard (1393) p. 242, Pl. XXII, fig. 377-a; Pl. XXIX, figs. 552–559, Pl. XXX, figs. 560–563; New York.

Katiannina macgillivrayi altamonta (Wray) 1948

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1948. *Deuterosminthurus macgillivrayi altamontus* Wray (2199) p. 49, figs. 19–23; North Carolina.
1950. *Deuterosminthurus macgillivrayi altamontus* Wray (2202) p. 7; North Carolina.

Genus: BOURLETIELLA Banks, 1899 (137) p. 194.

Type species fixed: *B. hortensis* (Fitch), by Gisin, 1951 (878) p. 56.

Bourletiella Banks, 1899, placed on Official List of Generic Names, Int. Comm., 1958 (2377) p. 93 as Proposed by Gisin, Opinion 291, 1954 (1100) p. 103.

Bourletiella agreni Stach, 1956

1903. *Sminthurus pruinosus* Ågren (55) p. 164, fig. 20; Sweden.
1956. *Bourletiella agreni* Stach (1894) p. 140; *nom. nov.*

Bourletiella arvalis (Fitch) 1865

COTYPE: Swed. Mus. Nat. Hist., Stockholm.

1841. *Smynthurus viridis* Nicolet (1493) p. 82, Pl. 9, fig. 9; Europe.
1865. *Smynthurus arvalis* Fitch (766) (p. 191 reprint); North America.
1868. *Smynthurus luteus* Lubbock (1316) p. 296, Pl. XXI, figs. 4–7; Britain.
1870. *Sminthurus luteus* Lubbock (1317) p. 281; Switzerland.
1871. *Sminthurus arvalis* Packard (1518) p. 102; U.S.A.
1871. *Sminthurus luteus* Tullberg (2002) p. 146; Sweden.
1872. *Sminthurus luteus* Tullberg (2003) p. 32, Pl. III, fig. 17; Sweden.
1873. *Smynthurus luteus* Lubbock (1318) p. 108, Pl. III; Europe.
1873. *Sminthurus luteus* Lubbock (1318) p. 108, Pl. III; Europe.
1873. *Smynthurus arvalis* Packard (1521) p. 45; Massachusetts.
1876. *Sminthurus luteus* Reuter (1628) p. 80; Finland.
1880. *Sminthurus luteus* Reuter (1627) p. 205; Scotland.
1880. *Sminthurus luteus* Reuter (1629) p. 205; Scotland.
1883. *Smynthurus vitis* Lichtenstein (1280) p. 254; Gen. Economics.
1883. *Sminthurus luteus* Tomosvary (1984) p. 36; Hungary.
1885. *Smynthurus luteus* Parona (1560) p. 37; Sardinia.
1887. *Sminthurus luteus* Oudemans (1510) p. 97; Holland.
1888. *Smynthurus luteus* Parona (1563) p. 136; Italy.
1890. *Sminthurus luteus* Uzel (2050) p. 36; Bohemia.
1891. *Smynthurus arvalis* MacGillivray (1341) p. 271; Massachusetts; New York; Ohio.
1891. *Sminthurus luteus* Moniez (1447) p. 68; France.
1891. *Sminthurus luteus* Schött (1762) p. 11, Pl. II, figs. 6–8; California.
1891. *Sminthurus luteus* Uzel (2051) p. 919; Heligoland.
1893. *Sminthurus luteus* Schött (1765) p. 30; Sweden.
1894. *Smynthurus arvalis* MacGillivray (1343) p. 108; North America.
1895. *Sminthurus luteus* Reuter (1643) p. 12; Finland; Europe; California.
1895. *Smynthurus luteus* Reuter (1643) p. 12; *ad partem.*
1895. *Sminthurus luteus* Parona (1565) p. 696; Argentina.
1896. *Sminthurus luteus* Lie-Pettersen (1281) p. 9; Norway.
1896. *Smynthurus fulvus* Lie-Pettersen (1281) p. 9, Pl. I, figs. 1–4; Norway.
1896. *Sminthurus fulvus* Lie-Pettersen (1281) p. 1–; Norway.
1896. *Sminthurus luteus* Schäffer (1735) p. 212; Germany.
1897. *Sminthurus luteus* Poppe and Schaeffer (1607) p. 272; Germany.
1898. *Sminthurus luteus* Lie-Pettersen (1282) p. 7; Norway.
1898. *Sminthurus luteus* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Smynthurus arvalis* Banks (138) p. 197; Long Island, New York.
1899. *Sminthurus luteus* Carpenter and Evans (402) p. 228, Pl. VI, figs. 13–15; Edinburgh.
1899. *Sminthurus luteus* Lie-Pettersen (1283) p. 4–; Norway.
1900. *Sminthurus luteus* Börner (228) p. 614; Systematics.
1900. *Sminthurus luteus* Schäffer (1738) p. 253; N.W. Siberia; Kola Penin. (Siberia); Europe; California.
1900. *Sminthurus luteus* Schäffer (1739) p. 277; Germany.
1900. *Smynthurus luteus* Vellay (2056) p. 20; Hungary.
1901. *Deuterosminthurus luteus* Börner (234) p. 105, fig. 47; Central Europe.
1901. *Sminthurus luteus* Boyd (268) p. 317; Scotland.
1901. *Sminthurus luteus* Carl (354) p. 276; Switzerland.
1901. *Sminthurus luteus* Evans (739) p. 155; Scotland.
1901. *Sminthurus luteus* Evans (740) p. 152; Scotland.
1901. *Sminthurus luteus* Krausbauer (1204) p. 42; Germany.
1902. *Sminthurus luteus* Krausbauer (1205) p. 1; Systematics.
1903. *Sminthurus luteus* Ågren (55) p. 163; Sweden, Synonyms.
1903. *Smynthurus luteus* Ågren (55) p. 163; Synonymy, Sweden.
1904. *Sminthurus luteus* Carpenter (373) p. 197; Strandhill.
1903. *Sminthurus luteus* Diem (688) p. 361; Ecology.
1906. *Sminthurus luteus* Wahlgren (2080) p. 269; Sweden.
1906. *Smynthurus luteus* Wahlgren (2080) p. 269; Sweden.
1907. *Bourletiella lutea* Axelson (83) p. 133; Finland.
1908. *Sminthurus luteus* Evans (741) p. 195; Scotland.
1908. *Sminthurus luteus* Schille (1755) p. 15; Poland.
1909. *Smynthurus arvalis* Dow and Smith (692) p. 34; New Jersey.
1910. *Bourletiella lutea* Collinge and Shoebotham (472) p. 123; England.
1910. *Sminthurus luteus* Theobald (1964) p. 184–; Gen. Economics.
1912. *Bourletiella lutea* Axelson (1292) p. 297; Finland.
1912. *Sminthurus luteus* Schille (1756) p. 15; Galizien.
1915. *Bourletiella lutea* Ionesco (1105) p. 224; Roumania.
1916. *Bourletiella lutea* Ionesco (1106) p. 498; Russia.
1916. *Bourletiella lutea* Bartholin (149) p. 200; Denmark.
1917. *Sminthurus luteus* Walton (2098) p. 12; Wales, on mushrooms.
1918. *Bourletiella lutea* Brown (296) p. 187; England.
1918. *Smynthurus luteus* Vellay (2058) p. 20; Hungary.
1919. *Bourletiella lutea* Handschin (977) p. 85; Europe.
1919. *Bourletiella lutea* Wahlgren (2089) p. 751; Sweden.
1920. *Bourletiella lutea* Ionesco (1107) p. 27; Roumania.
1921. *Sminthurus luteus* Miles (1407) p. 173–; Economics.
1922. *Bourletiella lutea* Latzel (1250) p. 75; Austria.
1922. *Bourletiella lutea* Stach (1860) p. 60, Pl. III, fig. 9; Hungary.
1924. *Bourletiella lutea* Handschin (981) p. 150; Switzerland.
1924. *Bourletiella lutea* Houlbert (1078) p. 157, Pl. IV, fig. 40; Synonymy.

1924. *Sminthurus luteus* Thompson (1970) p. 361; Ecology.
1925. *Bourletiella lutea* Davies (514) p. 351–; Edinburgh.
1925. *Bourletiella lutea* Harnisch (1020) p. 68; Ecology.
1927. *Bourletiella lutea* Handschin (999) p. 298; Westfalian peatbogs.
1928. *Bourletiella lutea* Folsom (800) p. 11; New York.
1928. *Bourletiella lutea* Handschin (1003) p. 133; East Prussia.
1929. *Bourletiella lutea* Edwards (715) p. 312; Ecology.
1929. *Bourletiella lutea* Handschin (1008) p. 116, fig. 210; Europe.
1929. *Bourletiella lutea* Stach (1869) p. 308; Hungary.
1930. *Bourletiella lutea* Buitendijk (334) p. 73; Holland.
1930. *Smynthurus luteus* Mills (1414) p. 390–; Economics, Canada.
1930. *Bourletiella lutea* Womersley (2168) p. 195; Ireland.
1931. *Bourletiella lutea* Denis (638) p. 232; Germany.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1932. *Bourletiella lutea* Davies (520) p. 94; Behaviour.
1932. *Bourletiella lutea* Kseneman (1211) p. 23; Czechoslovakia.
1932. *Bourletiella arvalis* Womersley (2172) p. 26, fig. 8-a; Habitat, Australia.
1932. *Bourletiella arvalis* Womersley (2173) p. 9, Pl. I, fig. 5, T.-fig. IV, figs. 1–5; Tasmania.
1933. *Bourletiella arvalis* Folsom (802) p. 937; Agric. pest.
1933. *Bourletiella lutea* Folsom (802) p. 937; Agric. pest.
1933. *Bourletiella arvalis* James (1124) p. 111; Canada.
1933. *Bourletiella lutea* Schubert (1787) p. 181; Ecology.
1933. *Bourletiella lutea* Turk (2007) p. 95; Britain.
1934. *Bourletiella arvalis* Folsom (803) p. 466, Pl. VII, figs. 52–56, Pl. VIII, figs. 57–58; North America.
1934. *Sminthurus luteus* Perrier (1576) p. 39; France.
1935. *Bourletiella lutea* Berland (175) p. 87–; Collembola in atmosphere.
1936. *Bourletiella arvalis* Denis (661) p. 278, figs. 49–59; North India.
1936. *Bourletiella arvalis* Womersley (2183) p. 326; New Zealand.
1939. *Bourletiella lutea* Agrell (41) p. 6; Madeira Is.; Europe; North America.
1939. *Sminthurus luteus* Thomas (1969) p. 20; Ecology.
1939. *Bourletiella arvalis* Womersley (2190) p. 243, fig. 71 G-H; Australia.
1941. *Bourletiella lutea* Buitendijk (336) p. 87, fig. 22; Netherlands.
1941. *Smynthurus luteus* Kevan (1164) p. 249; Britain.
1941. *Bourletiella arvalis* Salmon (1676) p. 415, figs. 517–518; New Zealand.
1942. *Bourletiella* (*Sminthurus*) *luteus* Caspers (408) p. 50; Helgoland I.
1942. *Sminthurus luteus* Marlier (1375) p. 10; Belgium.
1942. *Bourletiella arvalis* Womersley (2193) p. 30; New Zealand.
1943. *Bourletiella lutea* Agrell (47) p. 127; Sweden.
1943. *Bourletiella arvalis* Salmon (1681) p. 9; New Zealand.
1943. *Bourletiella lutea dorsobscura* Salmon (1681) p. 9, Pl. 71, figs. 515–6; New Zealand.
1946. *Bourletiella* (*Bourletiella*) *lutea* Gisin (859) p. 258, figs. 1-L, 5-L; Switzerland.
1948. *Bourletiella lutea* Denis (677) p. 9; Corsica.
1949. *Bourletiella hortensis lutea* Janetschek (1127) pp. 42, 135–143; Ecology.
1951. *Bourletiella arvalis* Maynard (1393) p. 247, Pl. XXIII, fig. 407, Pl. XXX, figs. 564–567; New York.
1954. *Bourletiella lutea* Jeannenot (1131) p. 1, figs. 1–16; Description, Europe.
1954. *Bourletiella* (*Bourletiella*) *lutea* Strenzke (1925) p. 58; Germany.
1955. *Bourletiella arvalis* Cleland (453) p. 13; New Zealand.
1955. *Bourletiella arvalis* Mani, Singh, Gupta and Baijal (1369) p. 512; N.W. Himalayas.
1955. *Bourletiella lutea* Stach (1893) p. 186, figs. 559–560; Europe; America.
1956. *Bourletiella lutea* Grindbergs (2274) p. 136; Latvia.
1956. *Bourletiella arvalis* Paclt (1540) p. 355; Europe.
1956. *Bourletiella arvalis* Paclt (1541) pp. 93, 114–127.
1956. *Smynthurus vitis* Paclt (1541) p. 126; Biology.
1956. *Bourletiella lutea* Paclt (1541) p. 126; Biology.
1956. *Bourletiella arvalis* Stach (1894) p. 143; Poland; East Europe.
1957. *Bourletiella lutea* Mayer (1390) p. 506–; Biology.
1958. *Bourletiella arvalis* Grindbergs (2275) p. 12; Latvia.
1958. *Bourletiella lutea* Grindbergs (2276) p. 77; Latvia.
1958. *Bourletiella lutea* Grindbergs (2277) p. 204; Latvia.
1958. *Bourletiella lutea* Holler-Land (2283) p. 110; Ecology.
1959. *Bourletiella arvalis* Jeannenot (2287) p. 18–; Systematics.
1959. *Bourletiella* (*Bourletiella*) *arvalis* Paclt (2316) p. 68; South Africa.
1959. *Bourletiella arvalis* Paclt (2317) p. 343; Cosmopolitan.
1959. *Bourletiella arvalis* Stach (1896) p. 52; Poland.
1959. *Bourletiella arvalis* Wilkey (2350) p. 224; California.
1960. *Bourletiella lutea* Gisin (2271) p. 287; Europe
1960. *Bourletiella* (*Bourletiella*) *lutea* Grindbergs (2373) p. 59; U.S.S.R.

Bourletiella arvalis dorsobscura Salmon, 1941

TYPE: Dominion Mus., Wellington, N.Z.
1941. *Bourletiella arvalis dorsobscura* Salmon (1676) p 415, Pl. 71, figs. 515–516; New Zealand.
1943. *Bourletiella arvalis dorsobscura* Salmon (1681) p 9; New Zealand.
1955. *Bourletiella arvalis dorsobscura* Cleland (453) p. 13; New Zealand.

Bourletiella arvalis fusca Womersley, 1932

1932. *Bourletiella arvalis fusca* Womersley (2172) p. 27; Australia.

Bourletiella arvalis principalis (Börner) 1901

1901. *Deuterosminthurus luteus principalis* Börner (234) p. 106; Central Europe.

Bourletiella diffusa Gisin, 1962

HOLOTYPE: Mus. Hist. Natur., Geneva.
1962. *Bourletiella* (*Heterosminthurus*) *diffusa* Gisin (2472) p. 23, fig. 27; Tyrol.

Bourletiella friedlaenderi (Börner) 1903

1903. *Sminthurus friedlaenderi* Börner (239) p. 164; Fiji.
1956. *Bourletiella friedlaenderi* Stach (1894) p. 141; Fiji.

Bourletiella hortensis (Fitch) 1863

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1762. *Podura fusco-nigra* Geoffroy (837) p. 607; Paris.

1793. *Podura signata* Fabricius (749) p. 63–; Europe.
1793. *Podura signata* Gmelin (910) p. 2907; Europe.
1796. *Smynthurus signatus* Latreille (1240) p. 567, Pl. I, figs. 5, 5-A; France.
1827. *Smynthurus signatus* Brébisson (272) p. 273; France.
1835. *Smynthurus signata* Templeton (1957) p. 97, Pl. XII, fig. 8; Ireland.
1835. *Smynthurus signatus* Lacordaire and Boisduval (196) p. 1–; France.
1838. *Smynthurus signatus* Guerin-Meneville (949) p. 667, Pl. 2, fig. 4; France.
1839. *Smynthurus signatus* Burmeister (339) p. 452; Europe.
1842. *Sminthurus signatus* Erichson (730) p. 313; Europe.
1842. *Smynthurus signatus* Nicolet (1493) p. 81, Pl. 9, fig. 7; Europe.
1842. *Sminthurus signatus* Nicolet (1493) p. 81, Pl. IX, fig. 7, *ad partem;* Europe.
1844. *Smynthurus signatus* Gervais (841) p. 400; Ireland; France; Switzerland.
1844. *Sminthurus signatus* Lucas (1327) p. 297; Reference.
1845. *Sminthurus signatus* Bourlet (266) p. 68; Europe.
1847. *Smynthurus signatus* Nicolet (1496) p. 358; Europe.
1847. *Smynthurus fuliginosus* Nicolet (1496) p. 360; Switzerland.
1862. *Smynthurus frontalis* Fitch (766) p. 668–; New York.
1862. *Smynthurus hortensis* Fitch (766) p. 186–; New York.
1862. *Smynthurus hortensis* Fitch (766) p. 668, with figs.; North America.
1869. *Sminthurus signatus* Porath (1608) p. 652; Scandinavia.
1871. *Sminthurus hortensis* Packard (1518) p. 102; U.S.A.
1871. *Sminthurus pruinosus* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus pruinosus* Tullberg (2003) p. 31, *ad partem;* Sweden.
1872. *Sminthurus pruinosus* Tullberg (2003) p. 31, Pl. III, figs. 13, 14; Sweden.
1873. *Sminthurus quadrisignatus* Packard (1521) p. 44; U.S.A.
1873. *Sminthurus hortensis* Packard (1521) p. 45; New York.
1876. *Sminthurus lineatus* Reuter (1628) p. 84, *ad partem;* Finland.
1880. *Sminthurus lineatus* Reuter (1627) p. 205; Scotland.
1880. *Sminthurus lineatus* Reuter (1629) p. 205; Scotland.
1881. *Sminthurus lineatus* Reuter (1632) p. 204; Finland.
1890. *Smynthurus frontalis* Uzel (2050) p. 37, Pl. I, fig. 3, Pl. II, figs. 3, 5; Bohemia.
1891. *Sminthurus hortensis* MacGillivray (1341) p. 271; New York; Ohio.
1891. *Smynthurus quadrisignatus* MacGillivray (1341) p. 271; Maine.
TYPE: Mus. Comp. Zool., Harvard.
1891. *Sminthurus pruinosus* Reuter (1639) p. 232; Finland.
1891. *Sminthurus frontalis* Uzel (2050) p. 37, Pl. I, fig. 3, Pl. 2, figs. 3–5; Bohemia.
1891. *Sminthurus frontalis* Uzel (2051) p. 919; Helgoland.
1893. *Sminthurus pruinosus* Schött (1765) p. 28, Pl. 2, figs. 13–16; North Europe; Scandinavia; Germany; Bohemia.
1895. *Bourletiella hortensis* Ormerod (1508) p. 111; Economics, England.
1895. *Sminthurus pruinosus* Reuter (1643) p. 10; Finland.
1895. *Sminthurus pruinosus lineatus* Reuter (1643) p. 11; Finland.
1896. *Sminthurus atratus* Schäffer (1735) p. 209; Germany.
1897. *Smynthurus albamaculata* Harvey (1034) p. 124, figs. 1–5; Maine.
1897. *Sminthurus albamaculatus* Harvey (1034) p. 124, figs. 1–5; Maine.
1897. *Sminthurus albamaculata* Harvey (1034) p. 124, figs. 1–5; Maine.
1897. *Sminthurus atratus* Schaeffer (1735) p. 212, fig. 120; Germany.
1897. *Sminthurus pruinosus* Schäffer (1736) p. 26; Europe.
1898. *Sminthurus signatus* Krausbauer (1203) p. 496; Germany.
1898. *Sminthurus pruinosus* Lie-Pettersen (1282) p. 7; Norway.
1898. *Sminthurus pruinosus* Scherbakow (1750) p. 60; Kiev.
1899. *Smynthurus hortensis* Banks (138) p. 197; Long Island, New York.
1899. *Sminthurus pruinosis* Carl (352) p. 354; Switzerland.
1899. *Sminthurus hortensis* Carpenter and Evans (402) p. 227, Pl. V, fig. 1, Pl. VI, figs. 9–12; Scotland.
1899. *Sminthurus hortensis* Folsom (775) p. 269, Pl. 3, figs. 37–40; Japan.
1899. *Sminthurus pruinosus viridula* Skorikow (1830) p. 391; Russia.
1899. *Sminthurus pruinosus stscherbakowi* Skorikow (1830) p. 393, Tab. VI, fig. 4; Russia.
1899. *Sminthurus pruinosus sabulosa* Skorikow (1830) p. 392; Russia.
1900. *Sminthurus pruinosus* Börner (228) p. 614; Systematics.
1900. *Sminthurus signatus* Börner (228) p. 617; Central Europe.
1900. *Sminthurus pruinosus* Reuter (1648) p. 53–; Finland.
1901. *Deuterosminthurus luteus pruinosa* Börner (234) p. 106; Central Europe.
1901. *Sminthurus hortensis* Boyd (268) p. 317; Scotland.
1901. *Sminthurus hortensis* Carl (354) p. 276; Switzerland.
1901. *Sminthurus hortensis* Evans (740) p. 151; Scotland.
1901. *Smynthurus hortensis* Felt (756) pp. 753, 824, fig. 26; New York.
1901. *Sminthurus pruinosus* Krausbauer (1204) p. 42; Germany.
1901. *Sminthurus signatus* Krausbauer (1204) p. 52, Pl. 1, figs. 34–39; Germany.
1902. *Sminthurus hortensis* Schött (1772) p. 38; Boreal.
1902. *Sminthurus (Deuterosminthurus) luteus pruinosa* Voights (2067) p. 524; Germany.
1903. *Sminthurus pruinosus* Ågren (55) p. 164, fig. 20; Sweden.
1903. *Sminthurus signatus* Ågren (55) p. 161, fig. 21; Sweden.
1903. *Sminthurus pruinosus* Guthrie (951) p. 48, Pl. III, figs. 14, 15; Minnesota.
1903. *Sminthurus luteus pruinosus* Diem (688) p. 361; Ecology.
1904. *Sminthurus pruinosus* Axelson (79) p. 81; Norway.
1905. *Sminthurus pruinosus* Axelson (81) p. 42; Finland.

1905. *Sminthurus signatus* Axelson (81) p. 42; Finland.
1905. *Smynthurus albamaculata* Patch (1566) p. 220; Maine.
1906. *Sminthurus hortensis* Lie-Pettersen (1284) p. 73; Norway.
1906. *Sminthurus pruinosus* Lie-Pettersen (1284) p. 73; Norway.
1906. *Smynthurus albamaculata* Patch (1567) p. 225; Maine.
1906. *Sminthurus pruinosus* Wahlgren (2080) p. 269; Sweden.
1906. *Sminthurus signatus* Wahlgren (2080) p. 269; Sweden.
1906. *Sminthurus hortensis* Wahlgren (2081) p. 37; Egypt.
1907. *Bourletiella pruinosus* Axelson (83) p. 134; Finland.
1907. *Bourletiella signata* Axelson (83) p. 134; Finland.
1907. *Sminthurus signatus* Wahlgren (2082) p. 227; Torne lappmark, Norway.
1908. *Sminthurus hortensis* Evans (741) p. 195; Scotland.
1909. *Smynthurus hortensis* Dow and Smith (692) p. 34; New Jersey.
1910. *Bourletiella hortensis* Bagnall (102) p. 508; Britain.
1910. *Bourletiella hortensis* Collinge and Shoebotham (472) p. 122; England.
1910. *Sminthurus pruinosus* Theobald (1964) p. 184–; Gen. Economics.
1911. *Smynthurus albamaculata* Patch (1568) p. 24; Maine.
1912. *Bourletiella pruinosa* Axelson (1292) p. 296, Pl. XVI, figs. 23–25; Finland.
1912. *Bourletiella signata* Axelson (1292) p. 295; Finland.
1912. *Sminthurus pruinosus* Enderlein (725) p. 128; Feuerland.
1912. *Sminthurus luteus pruinosa* Schille (2394) p. 129; Poland.
1913. *Bourletiella hortensis* Corbett (479) p. 128; Gen. Economics.
1914. *Bourletiella hortensis* Shoebotham (1820) p. 64; Ireland.
1914. *Bourletiella signata* Shoebotham (1820) p. 64; Ireland.
1916. *Bourletiella hortensis* Carr (407) p. 66; England.
1918. *Bourletiella hortensis* Brown (296) p. 187; England.
1919. *Bourletiella pruinosa* Handschin (977) p. 85; Europe; Switzerland; North and Middle Europe; Fennoskandia.
1919. *Sminthurus hortensis* McNamara (1360) p. 241.
1919. *Bourletiella signata* Wahlgren (2089) p. 748; Sweden.
1919. *Bourletiella pruinosa* Wahlgren (2089) p. 751; Sweden.
1920. *Bourletiella signata* Stach (1859) p. 199; Poland.
1921. *Bourletiella signata* Denis (607) p. 133; France.
1921. *Bourletiella pruinosa* Kreis (1207) p. 277; Systematics; Biology.
1921. *Bourletiella signata* Stach (1859) p. 199; Poland.
1922. *Bourletiella pruinosa* Denis (609) p. 112; Ile de Yeu, France.
1923. *Bourletiella hortensis* Brown (302) p. 263; England.
1924. *Sminthurus hortensis* Brittain (285) p. 37–; Crop pest.
1924. *Bourletiella signata* Denis (614) p. 294; France.
1924. *Bourletiella pruinosa* Denis (614) p. 294; France.
1924. *Sminthurus hortensis* Folsom (798) pp. 37–47; Agric. pest.
1924. *Bourletiella pruinosa* Handschin (981) p. 130; Switzerland.
1924. *Bourletiella pruinosa* Handschin (981) p. 150; Switzerland.
1924. *Bourletiella pruinosa* Houlbert (1078) p. 156; Europe.
1924. *Bourletiella hortensis* Thompson (1970) p. 361; Ecology.
1925. *Bourletiella hortensis* Carpenter (395) p. 14; New Zealand.
1925. *Bourletiella hortensis* Davies (514) p. 350; Agric. pest.
1925. *Bourletiella hortensis* Womersley (2148) p. 171; S.W. England.
1926. *Bourletiella hortensis* Brown (307) p. 334; England.
1926. *Bourletiella hortensis pruinosis* Davies (515) p. 159, Pl. XIV, figs. 1, 2; England.
1926. *Bourletiella hortensis* Davies (515) p. 159; Agric. pest.
1926. *Bourletiella pruinosa* Handschin (988) p. 34, fig. 24; Biology.
1926. *Bourletiella pruinosa* Stirnimann (1907) p. 252; Ecology.
1927. *Sminthurus hortensis* Britton and Zappe (288) p. 169; Connecticut.
1927. *Bourletiella pruinosa* Handschin (999) p. 298; Westfalian peatbogs.
1927. *Bourletiella hortensis* Morris (1457) p. 450; Ecology.
1928. *Bourletiella hortensis* Anon. (2244) p. 96; Economics, Australia.
1928. *Bourletiella hortensis* Folsom (800) p. 11–; New York.
1928. *Bourletiella hortensis* Imms (1091) p. 940; Pest, Britain.
1928. *Bourletiella signata* Jackson (1121) p. 303; Britain.
1929. *Bourletiella signata* Handschin (1008) p. 115; Europe; North America.
1929. *Bourletiella signata* Stach (1869) p. 309; Scandinavia; Finland; Poland.
1929. *Bourletiella hortensis* Stach (1869) p. 309; Hungary.
1929. *Bourletiella pruinosa* Handschin (1008) p. 116; Scandinavia; Mid. Europe; North America.
1930. *Bourletiella pruinosa* Buitendijk (334) p. 72; Holland.
1930. *Bourletiella signata* Buitendijk (334) p. 72; Holland.
1930. *Bourletiella signata folsomi* Denis (636) p. 87; Taxonomy.
1930. *Bourletiella pruinosa hispanica* Denis (636) p. 87; Taxonomy.
1930. *Bourletiella Linnaniemii* Denis (636) p. 87; Taxonomy.
1930. *Bourletiella hortensis* Mills (1413) p. 200–; Iowa.
1930. *Bourletiella hortensis* Mills (1414) p. 390–; Agric. pest.
1931. *Bourletiella pruinosa* Lindroth (1286) p. 134; Iceland.
1931. *Sminthurus pruinosus* Matsumura and Uchida (1386) p. 1 and figs.; Japan.
1931. *Sminthurus signatus* Schött (1780) p. 72; Scandinavia.
1932. *Bourletiella hortensis* Davies (520) p. 94; habits.
1932. *Bourletiella pruinosa* Kinoshita (1178) p. 2125 and fig.; Japan.
1932. *Bourletiella signata* Stammer (1897) p. 611–; Ecology.
1932. *Bourletiella hortensis* Womersley (2172) p. 27, fig. 8 B; Australia.

1932. *Bourletiella hortensis* Womersley (2173) p. 10, Pl. I, fig. 6, Text figs. 1–3; Tasmania.
1933. *Bourletiella hortensis* Folsom (802) p. 934–; U.S.A.
1933. *Bourletiella pruinosa* James (1124) p. 112; Toronto region.
1933. *Bourletiella pruinosa* Schubert (1787) p. 252; Ecology.
1933. *Bourletiella pruinosa* Schubert (1787) p. 177–; Ecology.
1933. *Bourletiella hortensis* Turk (2007) p. 95; Britain.
1933. *Bourletiella signata* Turk (2007) p. 95; Britain.
1933. *Bourletiella signata* Schubert (1787) p. 252; Ecology.
1934. *Bourletiella hortensis* Folsom (803) p. 466, Pl. VIII, figs. 59–65; North America.
1934. *Bourletiella hortensis* Mills (1417) p. 101, fig. 170; Cosmopolitan; Iowa; Canada.
1935. *Bourletiella signata* Schubert (1790) p. 94; Europe.
1936. *Bourlietella hortensis* Womersley (2183) p. 326; New Zealand.
1937. *Bourletiella signata* Weidner (2107) p. 19; Central Europe.
1938. *Bourletiella pruinosa* Kseneman (1220) p. 21; Europe, Ecology.
1938. *Bourletiella signata* Strebel (1917) p. 116; Germany, Ecology.
1938. *Bourletiella pruinosa* Uchida (2015) p. 9; Japan.
1939. *Bourletiella hortensis* Womersley (2190) p. 245, fig. 71 I-K; Australia.
1940. *Bourletiella pruinosa* Uchida (2018) p. 8; Manchuria.
1941. *Bourletiella pruinosa* Agrell (46) p. 20; Swedish Lapland.
1941. *Bourletiella pruinosa* Buitendijk (336) p. 87, fig. 21; Netherlands; Scandinavia; Mid. Europe; Nth. America.
1941. *Bourletiella signata* Buitendijk (336) p. 86; Netherlands; Europe; North America.
1941. *Bourletiella pruinosa* Salmon (1676) p. 415, fig. 519; New Zealand.
1942. *Sminthurus frontalis* Caspers (408) p. 150; Helgoland.
1942. *Bourletiella hortensis* Essig (733) p. 84; Agric. pest, Europe; America.
1942. *Bourletiella hortensis* Scott (1796) p. 184; West U.S.A.
1943. *Bourletiella pruinosa* Agrell (47) p. 126; Sweden.
1943. *Bourletiella signata* Agrell (47) p. 126; Sweden.
1943. *Bourletiella hortensis* Gisin (853) p. 180; Switzerland.
1943. *Bourletiella hortensis* Salmon (1681) p. 9; New Zealand.
1946. *Bourletiella* (*Bourletiella*) *hortensis* Gisin (859) p. 259, figs. 5-H, 1-L; Switzerland.
1946. *Bourletiella hortensis* Pescott (1581) p. 103 and fig.; Pest.
1948. *Bourletiella* (*Bourletiella*) *hortensis* Gisin (869) p. 503; Switzerland; France; Ecology.
1949. *Bourletiella hortensis pruinosa* Janetschek (1127) pp. 42, 135–143; Ecology.
1949. *Sminthurus hortensis* Palmer (1548) p. 382; America.
1950. *Bourletiella hortensis* Delamare Deboutteville (570) p. 281; Cosmopolite.
1950. *Bourletiella pruinosa* Kinoshita and Uchida (1179) p. 21 and fig.; Japan.
1951. *Sminthurus hortensis* Gisin (878) p. 56; Nomenclature.
1951. *Bourletiella hortensis* Granovsky (932) p. 115; General Economics.
1951. *Bourletiella hortensis* Maynard (1393) p. 254, Pl. XXIV, fig. 425, Pl. XXXII, figs. 589–591; New York, Description.
1951. *Bourletiella pruinosa* Schaller (1746) p. 492; Ecology.
1951. *Bourletiella signata* Schaller (1746) p. 492; Ecology.
1951. *Bourletiella hortensis* Wilkey (2120) p. 79; Colorado.
1952. *Bourletiella hortensis* Evans (738) p. 60; Victoria, Australia.
1952. *Bourletiella signata* Miles (1411) p. 181; Wales.
1952. *Bou(r)letiella pruinosa* Uchida (2027) p. 2; Japan.
1953. *Bourletiella signata* Blunk (192) p. 9–.
1953. *Bourletiella signata* Weidner (2108) p. 35; Central Europe.
1954. *Bourletiella hortensis* Jeannenot (1131) p. 8, figs. 1–15; Description.
1954. *Bourletiella hortensis* Bellinger (174) p. 27; Connecticut.
1954. *Bourletiella hortensis* Yosii (2230) p. 140; Japan.
1954. *Sminthurus* (*Bourletiella*) *hortensis* Int. Comm. (1100) p. 105; Proposed Official Specific Name.
1954. *Sminthurus hortensis Fitch* Int. Comm. (1100) p. 103; Type species.
1955. *Bourletiella hortensis* Cleland (453) p. 13; New Zealand.
1955. *Bourletiella hortensis* Gould (931) p. 170; Indiana.
1955. *Sminthurus hortensis* Phillips (1584) p. 242; England.
1955. *Smynthurus hortensis* Stach (1892) p. 54; Taxonomy.
1955. *Bourletiella pruinosa* Stach (1893) p. 186; Europe; America.
1955. *Bourletiella hortensis* Stach (1893) p. 185, figs. 557, 558; Europe; America.
1955. *Bourletiella hortensis* Uchida (2034) p. 198; Japan.
1956. *Bourletiella signata* Paclt (1541) pp. 56, 80, 102–; Biology.
1956. *Smynthurus hortensis* Paclt (1541) p. 125; Biology.
1956. *Smynthurus pruinosus* Paclt (1541) p. 125; Biology.
1956. *Smynthurus albamaculata* Paclt (1541) p. 125; Biology.
1956. *Bourletiella hortensis* Stach (1894) p. 149; Poland; Russia; Hungary; Austria; Sweden; Asia Minor.
1956. *Sminthurus pruinosus lineatus* Stach (1894) p. 149; Europe.
1956. *Sminthurus pruinosus viridula* Stach (1894) p. 149; Europe.
1956. *Sminthurus stscherbakowi* Stach (1894) p. 149; Europe.
1956. *Sminthurus pruinosus sabulosa* Stach (1894) p. 149; Europe.
1957. *Bourletiella pruinosa* Bodvarsson (2252) p. 40; Iceland.
1957. *Sminthurus pruinosus* Plavil'shchikov (1599) p. 26–; Moscow.
1957. *Bourletiella hortensis* Strebel (1920) p. 470; Ecology, Europe.
1958. *Bourletiella pruinosa* Kholova (1169) p. 236; Bohemia
1958. *Bourletiella signata* Miles (1412) p. 638, two figs., p. 637; Wales.
1958. *Bourletiella hortensis* Uchida (2044) p. 34; Japan.
1958. *Bourletiella hortensis* von Torne (1993) p. 673; Austria.

1958. *Sminthurus hortensis* Fitch, Int. Comm. (2377) p. 93; Type species.
1958. *Sminthurus* (*Bourletiella*) *hortensis* Int. Comm. (2378) p. 25; Listed Official Specific Name.
1959. *Bourletiella hortensis* Jeannenot (2287) p. 18; Systematics.
1959. *Bourletiella hortensis* Stach (1896) p. 52; Poland.
1960. *Bourletiella hortensis* Gisin (2271) p. 286, fig. 530; Cosmopolite.
1960. *Bourletiella* (*Bourletiella*) *hortensis* Grindbergs (2373) p. 59; U.S.S.R.

Bourletiella hortensis apicalis (Fitch) 1863

1863. *Smynthurus hortensis apicalis* Fitch (766) p. 189; North America.

Bourletiella hortensis basalis (Fitch) 1863

1863. *Smynthurus hortensis basalis* Fitch (766) p. 189; North America.

Bourletiella hortensis dorsalis (Fitch) 1863

1863. *Smynthurus hortensis dorsalis* Fitch (766) p. 189; North America.

Bourletiella hortensis hispanica Denis

——. *Bourletiella hortensis hispanica* Denis (636) p. 85, figs. 10–13; Spain.
1956. *Bourletiella hortensis hispanica* Stach (1894) p. 155; Spain.

Bourletiella hortensis juvenilis (Fitch) 1863

1863. *Smynthurus hortensis juvenilis* Fitch (766) p. 189; North America.
1933. *Bourletiella signata juvenilis* Turk (2007) p. 95; Britain.

Bourletiella hortensis lineata (Reuter) 1895

1895. *Sminthurus pruinosus lineatus* Reuter (1643) p. 11; Finland; Sweden; Shetlands; Germany; Heligoland; Bohemia.

Bourletiella hortensis maturus (Fitch) 1863

1863. *Smynthurus hortensis maturus* Fitch (766) p. 189; North America.

Bourletiella hortensis ornata (Carl) 1901

1901. *Sminthurus hortensis ornata* Carl (354) p. 277; Switzerland.

Bourletiella hortensis viridescens (Stach) 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Bourletiella signata viridescens* Stach (1859) p. 199; Poland.
1930. *Bourletiella signata viridescens* Stach (1869) p. 309; Scandinavia; Finland; Poland.
1948. *Bourletiella viridescens* Gisin (869) p. 502; Jura mountains.
1955. *Bourletiella viridescens* Gisin (890) p. 147; Switzerland.

Bourletiella insula Folsom, 1932

TYPE: Bishop Mus., Honolulu.
1932. *Bourletiella insula* Folsom (801) p. 73, Pl. 12, figs. 127–132; Honolulu.
1948. *Bourletiella insula* Zimmerman (2237) p. 68, fig. 34 a-g; Hawaii.

Bourletiella juanitae Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Bourletiella juanitae* Maynard (1393) p. 249, Pl. XXIII, figs. 385–388, Pl. XXXI, figs. 581–583; New York.
1956. *Bourletiella juanitae* Stach (1894) p. 141; New York.

Bourletiella nigriceps Latzel, 1917

1917. *Bourletiella nigriceps* Latzel (1249) p. 250; Austria.
1922. *Bourletiella nigriceps* Latzel (1250) p. 75; Austria.

Bourletiella nonlineata Gisin, 1946

TYPE: Mus. Hist. Natur., Geneva.
1946. *Bourletiella nonlineata* Gisin (859) p. 257; Switzerland.
1956. *Heterosminthurus cornutus caucasius* Stach (1894) p. 192; Caucasus.
1957. *Bourletiella nonlineata* Gisin (900) p. 494; Europe.
1960. *Bourletiella nonlineata* Gisin (2271) p. 283, fig. 520; Switzerland.

Bourletiella pistillum Gisin, 1946

TYPE: Mus. Hist. Natur., Geneva.
1946. *Bourletiella* (*Bourletiella*) *pistillum* Gisin (859) p. 261, fig. 7; Switzerland.
1948. *Bourletiella* (*Bourletiella*) *pistillum* Gisin (869) p. 505; France; Switzerland; Ecology.
1956. *Bourletiella pistillum* Stach (1894) p. 140; Switzerland.
1960. *Bourletiella pistillum* Gisin (2271) p. 286, fig. 529; Alps, Tyrol, Switzerland.

Bourletiella radula (Gisin) 1946

TYPE: Mus. Hist. Natur., Geneva.
1946. *Bourletiella* (*Bourletiella*) *radula* Gisin (859) p. 260, figs. 1-R, 6; Switzerland.
1948. *Bourletiella* (*Bourletiella*) *radula* Gisin (869) p. 505; France; Ecology.
1956. *Bourletiella radula* Stach (1894) p. 140; Switzerland.
1960. *Bourletiella radula* Gisin (2271) p. 286, figs. 526, 528; Switzerland.

Bourletiella rustica Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Bourletiella rustica* Maynard (1393) p. 248, Pl. XXII, fig. 373, Pl. XXX, figs. 568–572, Pl. XXXI, figs. 573–574; New York.
1956. *Bourletiella rustica* Stach (1894) p. 140; New York.

Bourletiella savona Maynard, 1951

TYPE: U.S. Nat. Hist. Mus., Washington, D.C.
1951. *Bourletiella savona* Maynard (1393) p. 249, Pl. XXIII, figs. 383–384, Pl. XXXI, figs. 575–580; New York.
1956. *Bourletiella savona* Stach (1894) p. 141; New York.

Bourletiella schultzei Börner, 1908

1908. *Bourletiella schultzei* Börner (245) p. 61, figs. 14–15; South Africa.
1956. *Bourletiella schultzei* Stach (1894) p. 141; Remarks.
1959. *Rastriopes schultzei* Paclt (2316) p. 66; South Africa.

Bourletiella setigera Gisin, 1961

HOLOTYPE, PARATYPE: Deutsch. Ent. Inst., Berlin.
PARATYPE: Mus. Hist. Natur., Geneva.
1961. *Bourletiella* (*Heterosminthurus*) *setigera* Gisin (2468) p. 351, fig. 21; Austria.

Bourletiella spectabilis Handschin, 1930

1930. *Bourletiella spectabilis* Handschin (1009) p. 422, Pl. 4, figs. 38–43; Philippines.
1956. *Bourletiella spectabilis* Stach (1894) p. 141; Remarks.

Bourletiella sulphurea (Koch) 1840

1840. *Sminthurus sulphureus* Koch (1187) p. 353; Europe.
1908. *Bourletiella sulphurea* Börner (245) p. 54; Europe.
1912. *Bourletiella sulphurea* Schille (2394) p. 129; Poland.

1918. *Bourletiella sulphurea* Brown (296) p. 187; England.
1956. *Bourletiella sulphurea* Paclt (1541) p. 127; Gen. Economics.
1956. *Deuterosminthurus gisini* Stach (1894) p. 159; Switzerland.
1957. *Bourletiella (Deuterosminthurus) sulphurea* Gisin (900) p. 491; Switzerland.
1960. *Bourletiella sulphurea* Gisin (2271) p. 287, figs. 532–534; Switzerland; Germany.
1960. *Bourletiella (Deuterosminthurus) sulphurea* Murphy (2387) p. 63; Britain.

Bourletiella sulphurea pallipes (Bourlet) 1841

1841. *Sminthurus pallipes* Bourlet (261) p. 147; France.
1910. *Bourletiella sulphurea pallipes* Collinge and Shoebotham (472) p. 123; England.
1918. *Bourletiella sulphurea pallipes* Brown (296) p. 187; England.

Bourletiella viridescens (Stach) 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Bourletiella signata viridescens* Stach (1859) p. 199; Poland.
1946. *Bourletiella lutea* Gisin (859) p. 258, figs. 1-L, 5-L; Switzerland.
1956. *Bourletiella hortensis* Stach (1894) p. 149; Poland; Russia; Hungary; Sweden; Austria; Asia Minor.
1957. *Bourletiella viridescens* Gisin (900) p. 490; Europe.
1959. *Bourletiella viridescens* Steiner (2343) p. 468; Spain.
1960. *Bourletiella viridescens* Gisin (2271) p. 287, figs. 64, 517, 527, 531; Sweden; Synonymy.
1960. *Bourletiella viridescens* Murphy (2386) p. 61, figs. 71–74; Britain.

Genus: HETEROSMINTHURUS Stach, 1955 (1892) p. 53.
= *Deuterosminthurus* Börner, 1901 (234) p. 104, *ad partem.*

Type species fixed: *H. insignis* (Reuter) by Stach, 1955 (1892) p. 53.

Heterosminthurus bilineatus (Bourlet) 1842

1842. *Sminthurus bilineatus* Bourlet (265) p. 58; France.
1900. *Sminthurus novemlineatus bilineata* Börner (228) p. 614; Europe.
1901. *Sminthurus oblongus major* Börner (234) p. 1–; Central Europe.
1907. *Bourletiella bilineata* Axelson (83) p. 1–; Finland.
1912. *Deuterosminthurus bilineatus* Linnaniemi (1292) p. 299; Finland.
1946. *Bourletiella (Deuterosminthurus) bilineata* Gisin (859) p. 256, figs.; Switzerland.
1956. *Heterosminthurus bilineatus* Stach (1894) p. 182, Pl. XXII, figs. 1–6; Poland; Sweden.
1957. *Bourletiella (Heterosminthurus) bilineata* Gisin (900) p. 493, fig. 12; Europe.
1960. *Bourletiella (Heterosminthurus) bilineata* Grindbergs (2373) p. 58; U.S.S.R.

Heterosminthurus clavigera Gisin, 1958

TYPE: Mus. Hist. Natur., Geneva.
1958. *Bourletiella (Heterosminthurus) clavigera* Gisin (903) p. 777, fig. 7; Bavaria.
1960. *Bourletiella clavigera* Gisin (2271) p. 283, figs. 521–522; European Alps.
1960. *Bourletiella (Heterosminthurus) craggi* Murphy (2387) p. 62, figs. 75–78; "new species."

Heterosminthurus cornutus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Heterosminthurus cornutus* Stach (1894) p. 190, Pl. XXII, figs. 7–10; Poland.
1960. *Bourletiella (Heterosminthurus) cornuta* Murphy (2387) p. 63; Britain.

Heterosminthurus cornutus caucasicus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Heterosminthurus cornutus caucasicus* Stach (1894) p. 192; Caucasus.

Heterosminthurus insignis (Reuter) 1876

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1876. *Sminthurus insignis* Reuter (1628) p. 83; Finland.
1891. *Sminthurus insignis* Reuter (1639) p. 232; Finland.
1893. *Sminthurus novemlineatus insignis* Schött (1765) p. 26; Sweden; Palaearctic.
1895. *Sminthurus novemlineatus insignis* Reuter (1643) p. 10; Finland.
1896. *Sminthurus novemlineatus insignis* Lie-Pettersen (1281) p. 8; Norway.
1898. *Sminthurus novemlineatus insignis* Lie-Pettersen (1282) p. 7; Norway.
1898. *Sminthurus novemlineatis insignis* Scherbakow (1750) p. 60; Kiev.
1898. *Sminthurus novemlineatus insignis* Scherbakow (1751) p. 23; Kiev.
1899. *Sminthurus novemlineatus insignis* Carpenter & Evans (402) p. 226, Pl. VI, figs. 1–4; Edinburgh.
1900. *Sminthurus novemlineatus insignis* Börner (228) p. 614; Systematics; = *Eusminthurus.*
1901. *Sminthurus oblongus major insignis* Börner (234) p. 113; Central Europe.
1901. *Sminthurus novemlineatus insignis* Krausbauer (1204) p. 41; Germany.
1902. *Sminthurus novemlineatus palustris* Becker (158) p. 21; Russia.
1902. *Sminthurus novemlineatus insignis* Schött (1772) p. 39; Boreal.
1903. *Sminthurus insignis* Ågren (55) p. 167, fig. 24; Scandinavia.
1904. *Sminthurus insignis* Axelson (79) p. 82; Norway.
1905. *Sminthurus insignis* Axelson (81) p. 42; Finland.
1905. *Sminthurus oblongus insignis* Becker (160) p. 93; Russia.
1905. *Sminthurus novemlineatus insignis* Philiptschenko (1586) p. 8; Bologoi, Russia.
1906. *Sminthurus insignis* Wahlgren (2080) p. 269; Sweden.
1906. *Sminthurus insignis* Wahlgren (2082) p. 228; Lapland.
1907. *Sminthurus insignis* Wahlgren (2082) p. 228; Torne lappmark, Norway.
1908. *Bourletiella novemlineata insignis* Börner (245) p. 51–; footnote.
1909. *Bourletiella insignis* Axelson (84) p. 4; Kanin Peninsula.
1910. *Bourletiella novemlineata insignis* Bagnall (102) p. 509; Britain.
1911. *Bourletiella insignis* Axelson (1291) p. 27; Norway.
1912. *Deuterosminthurus insignis* Axelson (1292) p. 305; Finland.
1912. *Sminthurus insignis* Dahl (496) p. 421; Ecology.
1918. *Bourletiella insignis* Brown (296) p. 187; England.
1919. *Bourletiella insignis* Brown (297) p. 65; England.
1919. *Deuterosminthurus insignis* Wahlgren (2089) p. 748; Sweden.
1921. *Deuterosminthurus insignis* Denis (607) p. 133; France.

1923. *Deuterosminthurus insignis* Stach (1863) p. 15; Germany.
1923. *Bourletiella insignis* Womersley (2147) p. 35; S.W. England.
1924. *Deuterosminthurus insignis* Denis (614) p. 294; France.
1924. *Deuterosminthurus insignis* Handschin (981) p. 151; Switzerland.
1926. *Bourletiella insignis* Womersley (2153) p. 221; S.W. England.
1928. *Deuterosminthurus insignis* Jackson (1121) p. 303; Britain.
1929. *Deuterosminthurus insignis* Handschin (1008) p. 117; England; Nth. and Mid. Europe.
1931. *Sminthurus insignis* Schött (1780) p. 72; Scandinavia.
1932. *Bourletiella insignis* Krogerus (1210) p. 93; Finland.
1933. *Deuterosminthurus insignis* Buitendijk (335) p. 66; Holland.
1933. *Deuterosminthurus insignis* Schubert (1787) p. 201; Ecology.
1933. *Bourletiella novemlineatus insignis* Turk (2007) p. 95; Britain.
1934. *Deuterosminthurus insignis* Agrell (37) p. 234; Ecology; Sweden.
1934. *Deuterosminthurus insignis* Schubert (1788) p. 528; Germany, marsh; Ecology.
1935. *Deuterosminthurus insignis* Schubert (1791) pp. 231–, 376–; **Poland.**
1937. *Deuterosminthurus insignis* Frenzel (828) p. 305; Ecology.
1937. *Deuterosminthurus insignis* Schubert (1792) p. 129; Europe.
1938. *Deuterosminthurus insignis* Strebel (1917) p. 116; Germany; Ecology.
1939. *Deuterosminthurus insignis* Mills (1422) p. 159; Nth. America.
1941. *Deuterosminthurus insignis* Agrell (46) p. 20; Swedish Lapland.
1941. *Deuterosminthurus insignis* Buitendijk (336) p. 89, Netherlands; England; Nth. and Middle Europe
1942. *Deuterosminthurus insignis* Marlier (1375) p. 10; Belgium.
1943. *Deuterosminthurus insignis* Agrell (47) p. 127; Sweden.
1943. *Bourletiella* (*Deuterosminthurus*) *insignis* Gisin (853) p. 181; Switzerland.
1946. *Bourletiella* (*Deuterosminthurus*) *insignis* Gisin (859) pp. 249, 257, figs. 1-i, 4; Switzerland.
1948. *Bourletiella* (*Deuterosminthurus*) *insignis* Gisin (869) p. 508; France; Ecology.
1949. *Deuterosminthurus insignis* Strenzke (1922) p. 208; Germany; Ecology.
1949. *Deuterosminthurus insignis* Yosii (2228) p. 33; Mongolia.
1951. *Bourletiella* (*Deuterosminthurus*) *aquatica* Maynard (1393) p. 1–; New York.
1951. *Deuterosminthurus insignis* Praport (1610) p. 145; Poland.
1951. *Deuterosminthurus insignis* Schaller (1746) p. 492; Ecology.
1951. *Deuterosminthurus insignis* Stach (1889) p. 113; Europe.
1952. *Deuterosminthurus insignis* Baudissin (152) p. 54; Ecology.
1953. *Deuterosminthurus insignis* Hammer (972) p. 59; Nth. Canada.
1954. *Deuterosminthurus insignis* Chevalier (433) p. 13; Morphology.
1954. *Deuterosminthurus insignis* Yosii (2231) p. 819; Japan.
1955. *Heterosminthurus insignis* Stach (1892) p. 53; Classification.
1955. *Deuterosminthurus insignis* Stach (1893) p. 188, figs. 567–569; Europe.
1956. *Heterosminthurus insignis* Stach (1894) p. 198, Pl. XXV; Poland; U.S.S.R.; Yugoslavia.
1955. *Deuterosminthurus insignis* Uchida (2034) p. 200; Manchuria.
1958. *Deuterosminthurus insignis* Grindbergs (2276) p. 78; Latvia.
1958. *Bourletiella* (*Deuterosminthurus*) *insignis* Grindbergs (2277) p. 204; Latvia.
1958. *Deuterosminthurus insignis* Uchida (2044) p. 35; Nth. China.
1958. *Bourletiella* (*Deuterosminthurus*) *insignis* von Torne (1993) p. 674; Austria.
1959. *Heterosminthurus insignis* Stach (1896) p. 54; Poland.
1960. *Bourletiella insignis* Gisin (2271) p. 282, fig. 518; Europe.
1960. *Bourletiella* (*Heterosminthurus*) *insignis* Grindbergs (2373) p. 58; U.S.S.R.

Heterosminthurus linnaniemii (Stach) 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Deuterosminthurus linnaniemii* Stach (1859) p. 202, Pl. 7, figs. 34–38; Poland.
1929. *Deuterosminthurus linnaniemii* Handschin (1008) p. 118; South Poland.
1930. *Deuterosminthurus linnaniemii* Stach (1869) p. 309; Poland.
1955. *Deuterosminthurus linnaniemii* Stach (1893) p. 189, figs. 570–572; Poland.
1956. *Bourletiella linnaniemii* Paclt (1541) pp. 14, 51.
1956. *Heterosminthurus linnaniemii* Stach (1894) p. 186, Pl. XXIII; Poland; Russia.
1959. *Heterosminthurus linnaniemii* Stach (1896) p. 53; Poland.
1960. *Bourletiella* (*Heterosminthurus*) *linnaniemi* Grindbergs (2373) p. 59; U.S.S.R.

Heterosminthurus linnaniemii decoloratus (Stach) 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1920. *Deuterosminthurus linnaniemii decolorata* Stach (1859) p. 205; Poland.
1929. *Deuterosminthurus linnaniemii decolorata* Stach (1869) p. 309; Poland.
1955. *Deuterosminthurus linnaniemii decolorata* Stach (1893) p. 189, fig. 572; Add. description.
1956. *Heterosminthurus linnaniemii decolorata* Stach (1894) p. 188; Poland.

Heterosminthurus novemlineatus (Tullberg) 1871

TYPE?: Swed. Mus. Nat. Hist., Stockholm.
1871. *Sminthurus novem-lineatus* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus novem-lineatus* Tullberg (2003) p. 30, Pl. III, figs. 8–11; Sweden.
1876. *Sminthurus novem-lineatus* Reuter (1628) p. 79; Finland.
1890. *Sminthurus novemlineatus* Uzel (2050) p. 35; Bohemia.
1893. *Sminthurus novemlineatus* Schött (1765) p. 26; Sweden; Finland; Germany; Bohemia.
1895. *Sminthurus novemlineatus* Reuter (1643) p. 10; Finland; Sweden; Bohemia.
1896. *Sminthurus novemlineatus* Lie-Pettersen (1281) p. 8; Norway.

1897. *Sminthurus novemlineatus* Schäffer (1735) p. 211; Germany.
1898. *Sminthurus novemlineatus* Scherbakow (1750) p. 60; Kiev, Russia.
1898. *Sminthurus novemlineatus* Scherbakow (1751) p. 23; Kiev.
1899. *Sminthurus novemlineatus* Lie-Pettersen (1283) p. 4–; Norway.
1898. *Sminthurus speciosus* Krausbauer (1203) p. 498; Germany.
1900. *Sminthurus novemlineatus* Börner (228) p. 613; = *Eusminthurus.*
1900. *Sminthurus speciosus* Börner (228) p. 614; = *Eusminthurus.*
1901. *Deuterosminthurus oblongus major novem-lineata* Börner (234) p. 113; North Europe.
1901. *Sminthurus novemlineatus* Krausbauer (1204) p. 41; Germany.
1902. *Sminthurus novemlineatus* Becker (158) p. 21; Russia.
1902. *Sminthurus novemlineatus* Schött (1772) p. 39; Sweden.
1903. *Sminthurus novemlineatus* Ågren (55) p. 166, fig. 23; Sweden.
1905. *Sminthurus novem-lineatus* Axelson (81) p. 42; Finland.
1906. *Sminthurus novemlineatus* Lie-Pettersen (1284) p. 73; Norway.
1906. *Sminthurus novemlineatus* Wahlgren (2080) p. 270; Sweden.
1907. *Bourletiella novemlineatus* Axelson (83) p. 134; Finland.
1907. *Sminthurus novemlineatus* Wahlgren (2082) p. 228; Torne Lappmark.
1908. *Bourletiella novemlineata* Börner (245) p. 55; Note.
1912. *Deuterosminthurus novemlineatus* Axelson (1292) p. 306; Finland.
1919. *Deuterosminthurus novemlineatus* Wahlgren (2089) p. 751; Sweden.
1922. *Deuterosminthurus novemlineatus* Latzel (1250) p. 76; Austria.
1927. *Deuterosminthurus novemlineatus* Handschin (999) p. 298; Westfalian peatbogs.
1929. *Deuterosminthurus novemlineatus* Handschin (1008) p. 117; Mid. and North Europe.
1930. *Deuterosminthurus novemlineatus* Stach (1869) p. 309; Europe.
1932. *Deuterosminthurus novemlineatus* Krogerns (1210) p. 93; Finland.
1932. *Deuterosminthurus novemlineatus* Stammer (1897) p. 610–; Ecology.
1933. *Deuterosminthurus novemlineatus* Buitendijk (335) p. 66; Holland.
1934. *Deuterosminthurus novemlineatus* Schubert (1788) p. 528; Marsh.
1935. *Deuterosminthurus novemlineatus* Schubert (1791) pp. 111–, 231–, 374–; Germany; Poland.
1937. *Deuterosminthurus novemlineatus* Schubert (1792) p. 129; Europe.
1941. *Deuterosminthurus novem-lineatus* Agrell (46) p. 20; Swedish Lapland.
1941. *Deuterosminthurus novemlineatus* Buitendijk (336) p. 90; Netherlands; North and Mid. Europe.
1943. *Deuterosminthurus novem-lineatus* Agrell (47) p. 127; Sweden.
1951. *Deuterosminthurus novemlineatus* Praport (1610) p. 145; Poland.
1951. *Deuterosminthurus novemlineatus* Stach (1889) p. 114, fig. 68; Europe.
1953. *Deuterosminthurus novemlineatus* Schaller (1748) p. 185; Reproduction.
1953. *Deuterosminthurus novemlineatus* Schaller (1749) p. 276; Reproduction.
1955. *Deuterosminthurus novemlineatus* Stach (1893) p. 189, fig. 575; Poland.
1955. *Bourletiella (Deuterosminthurus) novemlineata* Strenzke (1926) p. 49; Denmark.
1956. *Bourletiella novemlineata* Paclt (1541) p. 93–; Biology.
1956. *Heterosminthurus novemlineatus* Stach (1894) p. 193, Pl. XXIV; Poland; Russia; Slovakia; Hungary; Yugoslavia.
1958. *Deuterosminthurus novemlineatus* Grindbergs (2276) p. 78; Latvia.
1958. *Bourletiella (Deuterosminthurus) novemlineatus* Grindbergs (2277) p. 205; Latvia.
1960. *Bourletiella novemlineata* Gisin (2271) p. 282, fig. 519; Europe.
1960. *Bourletiella (Heterosminthurus) novemlineata* Grindbergs (2373) p. 58; U.S.S.R.

Heterosminthurus novemlineatus bifasciatus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Heterosminthurus novemlineatus bifasciata* Stach (1894) p. 196; Poland; Russia; Slovakia; Hungary; Yugoslavia.

Heterosminthurus novemlineatus cinctus (Börner) 1900

1900. *Sminthurus novem-lineatus cincta* Börner (228) p. 614; Europe; = *Eusminthurus.*

Heterosminthurus novemlineatus insignis (Reuter) 1895

1895. *Sminthurus novemlineatus insignis* Reuter (1643) p. 10; Finland; Sweden.
1893. *Sminthurus novemlineatus insignis* Schött (1765) p. 26; Sweden.
1898. *Sminthurus novemlineatus insignis* Lie-Pettersen (1282) p. 7; Norway.
1898. *Sminthurus novemlineatus insignis* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Sminthurus novemlineatus insignis* Carpenter and Evans (402) p. 226, Pl. VI, figs. 1–4; Scotland.
1901. *Sminthurus novemlineatus insignis* Evans (739) p. 155; Scotland.
1901. *Sminthurus novemlineatus insignis* Evans (740) p. 151; Scotland.
1910. *Bourletiella novemlineatus insignis* Bagnall (102) p. 509; Britain.

Heterosminthurus novemlineatus malopigmentatus Stach, 1956

TYPE: Int. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Heterosminthurus novemlineatus malopigmentata* Stach (1894) p. 196; Poland.
1960. *Bourletiella (Heterosminthurus) novemlineata malopigmentata* Grindbergs (2373) p. 58; U.S.S.R.

Heterosminthurus novemlineatus pallipes (Börner) 1900

1900. *Sminthurus novem-lineatus pallipes* Börner (228) p. 614; Europe; = *Eusminthurus.*

Heterosminthurus novemlineatus palustris (Becker) 1902

1902. *Sminthurus novemlineatus palustris* Becker (158) p. 21; Russia.

Heterosminthurus novemlineatus pilosicaudus (Reuter) 1876

1876. *Sminthurus pilosicauda* Reuter (1628) pp. 79, 84; Finland; Sweden.
1891. *Sminthurus pilosicauda* Reuter (1639) p. 232; Finland.

1893. *Sminthurus novemlineatus pilosicauda* Schött (1765) p. 27, Pl. II, figs. 1–4; Scandinavia.
1895. *Sminthurus novem-lineatus pilosicauda* Reuter (1643) p. 10; Finland.
1898. *Sminthurus novem-lineatus pilosicauda* Lie-Pettersen (1282) p. 7; Norway.
1900. *Sminthurus novemlineatus pilosicauda* Börner (228) p. 614; = *Eusminthurus*.
1902. *Sminthurus novemlineatus cyaneofuscus* Becker (158) p. 21, fig. 2; Russia.
1903. *Sminthurus novemlineatus cyaneofuscus* Becker (159) p. 3, figs. 2, 3; Morphology.
1905. *Sminthurus novem-lineatus pilosicauda* Axelson (81) p. 42; Finland.
1906. *Sminthurus pilosicauda* Wahlgren (2080) p. 269; Sweden.
1907. *Bourletiella novemlineatus pilosicauda* Axelson (83) p. 134; Finland.
1907. *Sminthurus novemlineatus pilosicauda* Lie-Pettersen (1284) p. 73; Norway.
1908. *Bourletiella novemlineatus pilosicauda* Börner (245) p. 55; Europe.
1912. *Deuterosminthurus novemlineatus pilosicauda* Axelson (1292) p. 307; Finland.
1933. *Deuterosminthurus novemlineatus pilosicauda* Schubert (1787) p. 210; Ecology.
1933. *Deuterosminthurus insignis pilosicauda* Schubert (1787) p. 208; Ecology.
1934. *Deuterosminthurus novemlineatus pilosicauda* Durkop (707) p. 510; Scandinavia.
1949. *Deuterosminthurus novemlineatus pilosicauda* Bagnall (130) p. 16; England.
1955. *Bourletiella (Deuterosminthurus) novemlineata pilosicauda* Strenzke (1926) p. 49; Denmark.
1956. *Heterosminthurus novemlineatus pilosicauda* Stach (1894) p. 195; Poland; Yugoslavia.
1960. *Bourletiella (Heterosminthurus) novemlineata pilosicauda* Grindbergs (2373) p. 58; U.S.S.R.

Heterosminthurus novemlineatus principalis (Börner) 1900

1900. *Sminthurus novem-lineatus principalis* Börner (228) p. 613; Europe.
1902. *Sminthurus novemlineatus principalis* Becker (158) p. 19–; **Moscow.**
1956. *Heterosminthurus novemlineatus principalis* Stach (1894) p. 195; Poland; **Ukraine.**

Heterosminthurus novemlineatus puncteolus (Börner) 1900

1900. *Sminthurus novemlineatus puncteola* Börner (228) p. 614; Europe; = *Eusminthurus*.

Heterosminthurus novemlineatus unilineatus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Heterosminthurus novemlineatus unilineata* Stach (1894) p. 195; Poland.

Heterosminthurus undulatus (Hammer) 1953

TYPE: Auth. Colln., Roland, Freidensborg, Denmark.
1953. *Deuterosminthurus undulatus* Hammer (972) **p. 59,** fig. 25; Nth. Canada.
1956. *Heterosminthurus undulatus* Stach (1894) p. 180; Nth. Canada.

Genus: DEUTEROSMINTHURUS Börner, 1901 (234) p. 104.
= *Deuterosminturus* Börner, 1901 (234) p. 104.
Type species fixed: *D. bicinctus* (Koch) 1840, by Stach, 1955 (1892) p. 53.

Deuterosminthurus alatipes Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Bourletiella (Deuterosminthurus) alatipes* Murphy (2385) p. 574, figs. 54–63, 121; Gambia.

Deuterosminthurus albanicus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Deuterosminthurus albanicus* Stach (1894) p. 164, Pl. XXI, figs. 6, 7; Albania.
1960. *Bourletiella albanica* Gisin (2271) p. 284; Albania.

Deuterosminthurus analis Womersley, 1939

SYNTYPES: Sth. Austr. Mus., Adelaide.
1939. *Deuterosminthurus analis* Womersley (2190) p. 251, fig. 73 T-W; Sth. Australia.

Deuterosminthurus aquaticus Maynard, 1951

1951. *Bourletiella (Deuterosminthurus) aquatica* Maynard (1393) p. 259, Pl. XXIII, fig. 409; Pl. XXXII, figs. 600–603; Pl. XXXIII, figs. 604–605; New York.

Deuterosminthurus beckeri Coineau and Delamare Deboutteville, 1961

TYPE: Del. Deb's Pers. Colln., Fac. Sci., Univ. Nancy, France.
1961. *Deuterosminthurus beckeri* Coineau & Delamare Deboutteville (2450) p. 161, 3 figs.; Pyrenees.

Deuterosminthurus bicinctus (Koch) 1840

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1840. *Smynthurus bicinctus* Koch (1187) p. 353; Europe.
1871. *Smynthurus cinctus* Tullberg (2002) p. 145; Sweden.
1871. *Smynthurus pallipes* Tullberg (2002) p. 145; Sweden.
1872. *Smynthurus luteus* Tullberg (2003) p. 30; Sweden.
1872. *Sminthurus cinctus* Tullberg (2003) p. 31, Pl. III, figs. 15, 16; Sweden.
1873. *Smynthurus lupulinae* Lubbock (1318) p. 114; France.
1873. *Sminthurus luteus* Lubbock (1318) p. 108, Pls. III, LXIII, fig. 7; Europe.
1876. *Sminthurus luteus* Reuter (1628) p. 80; Finland.
1880. *Sminthurus luteus* Reuter (1629) p. 205; Scotland.
1881. *Sminthurus cinctus* Reuter (1632) p. 203; Finland.
1890. *Sminthurus cinctus* Uzel (2050) p. 36; Bohemia.
1893. *Sminthurus luteus* Schött (1765) p. 29; Sweden.
1893. *Sminthurus luteus* Schött (1765) p. 30; Palaearctic.
1893. *Sminthurus pallipes* Schött (1765) p. 30; Palaearctic.
1895. *Sminthurus cinctus* Reuter (1643) p. 12; Sweden; Finland; Germany; Siberia; Bohemia.
1895. *Sminthurus luteus* Reuter (1643) p. 12; Finland.
1896. *Sminthurus cinctus* Lie-Pettersen (1281) p. 9; Norway.
1896. *Sminthurus luteus* Lie-Pettersen (1281) p. 9; Norway.
1896. *Sminthurus luteus* Schäffer (1735) p. 212, *ad partem;* Germany.
1896. *Sminthurus pallipes* Schäffer (1735)p. 213; Germany.
1897. *Sminthurus luteus* Poppe & Schäffer (1607) p. 272; Germany.
1897. *Sminthurus pallipes* Poppe & Schäffer (1607) p. 272; Germany.
1898. *Sminthurus speciosus* Krausbauer (1203) p. 498; Germany.
1898. *Sminthurus luteus* Lie-Pettersen (1282) p. 7; Norway.

1898. *Sminthurus luteus* Scherbakow (1750) p. 60; Kiev.
1898. *Sminthurus luteus* Scherbakow (1751) p. 24; Kiev.
1899. *Sminthurus luteus* Carl (352) p. 354; Switzerland.
1899. *Sminthurus luteus* Carpenter and Evans (402) p. 228; Edinburgh district.
1900. *Sminthurus novemlineatus* Börner (228) p. 613; Europe.
1900. *Sminthurus luteus* Börner (228) p. 614.
1900. *Sminthurus luteus* Schäffer (1739) p. 277; Germany.
1901. *Sminthurus luteus* Börner (234) p. 105, fig. 47; Central Europe.
1901. *Sminthurus oblongus minor* Börner (234) p. 112; Europe.
1901. *Sminthurus luteus* Carl (354) p. 276; Switzerland.
1901. *Sminthurus cinctus* Krausbauer (1204) p. 41; Germany.
1901. *Sminthurus luteus* Krausbauer (1204) p. 42; Germany.
1901. *Sminthurus pallipes* Krausbauer (1204) p. 41, figs. 1–5; Germany.
1902. *Sminthurus cinctus* Becker (158) p. 21; Russia.
1903. *Sminthurus repanda* Ågren (55) p. 163, figs. 16–18; Sweden.
1903. *Sminthurus repandus* Axelson (77) p. 11, Pl. I, fig. 8; Finland.
1904. *Sminthurus repandus* Axelson (79) p. 81; Norway.
1905. *Sminthurus bicinctus* Ludwig (1332) p. 135; Ecology.
1906. *Sminthurus cinctus* Wahlgren (2080) p. 269; Sweden.
1906. *Sminthurus pallipes* Wahlgren (2080) p. 269; Sweden.
1906. *Sminthurus repandus* Wahlgren (2080) p. 269; Sweden.
1907. *Bourletiella bicinctus* Axelson (83) p. 134; Finland.
1908. *Bourletiella sulphurea* Börner (245) p. 54; Europe.
1912. *Deuterosminthurus bicinctus* Axelson (1292) p. 299, Pl. XVI, figs. 21, 22; Finland.
1916. *Deuterosminthurus bicinctus* Bartholin (149) p. 201; Denmark.
1919. *Bourletiella bicinctus* Brown (297) p. 65; England.
1919. *Deuterosminthurus bicinctus* Wahlgren (2089) p. 751; Sweden.
1920. *Deuterosminthurus bicinctus* Stach (1859) p. 201; Poland.
1922. *Deuterosminthurus bicinctus* Latzel (1250) p. 76; Austria.
1922. *Deuterosminthurus bicinctus* Stach (1860) p. 62; Hungary.
1923. *Bourletiella bicinctus* Womersley (2147) p. 35; S.W. England.
1924. *Deuterosminthurus bicinctus* Denis (614) p. 286; France.
1924. *Deuterosminthurus bicinctus* Handschin (981) p. 150; Switzerland.
1925. *Bourletiella bicinctus* Womersley (2148) p. 171; S.W. England.
1926. *Bourletiella bicinctus* Womersley (2153) p. 221; S.W. England.
1929. *Deuterosminthurus bicinctus* Handschin (1008) p. 116; North and Mid. Europe; N.W. Siberia.
1929. *Deuterosminthurus bicinctus* Stach (1869) p. 309; Scandinavia; Finland; Poland.
1930. *Deuterosminthurus bicinctus* Buitendijk (334) p. 73; Holland.
1931. *Deuterosminthurus bicinctus* Denis (639) p. 233; Germany.
1933. *Bourletiella bicinctus* Turk (2007) p. 95; Britain.
1934. *Deuterosminthurus bicinctus* Agrell (37) p. 234; Ecology, Sweden.
1935. *Deuterosminthurus bicinctus* Schubert (1790) p. 97; Europe.
1935. *Deuterosminthurus bicinctus* Schubert (1791) pp. 199–, 371–; Germany.
1937. *Deuterosminthurus bicinctus* Frenzel (828) p. 312, fig. 127; Ecology.
1937. *Deuterosminthurus bicinctus* Henriksen (1043) p. 6; Faroes.
1937. *Deuterosminthurus bicinctus* Schubert (1792) p. 129; Germany.
1939. *Deuterosminthurus bicinctus* Agrell (41) p. 6; Madeira Is.; Palaearctic.
1941. *Deuterosminthurus bicinctus* Buitendijk (336) p. 88; Netherlands.
1941. *Deuterosminthurus bicinctus* Marlier (1375) p. 10; Belgium.
1943. *Deuterosminthurus bicinctus* Agrell (47) p. 127; Sweden.
1943. *Deuterosminthurus bicinctus* Gisin (853) p. 181; Switzerland.
1944. *Bourletiella* (*Deuterosminthurus*) *bicincta* Gisin (859) p. 255, fig. 1-F; Switzerland.
1948. *Deuterosminthurus bisinctus* Weis-Fogh (2109) p. 200, Tab. 8; Denmark.
1951. *Deuterosminthurus bicinctus* Praport (1610) p. 145; Poland.
1951. *Deuterosminthurus bicincta* Schaller (1746) p. 465; Ecology.
1954. *Bourletiella* (*Deuterosminthurus*) *bicinctus* Strenzke (1925) p. 58; Germany.
1955. *Deuterosminthurus bicinctus* Stach (1893) p. 186, figs. 565, 566; Europe; Siberia.
1956. *Deuterosminthurus bicinctus* Grindbergs (2274) p. 136; Latvia.
1956. *Bourletiella bicincta* Paclt (1541) p. 127; Biology.
1956. *Deuterosminthurus bicinctus* Stach (1894) p. 171, Pl. XX, figs. 1–7; Poland; Russia; Slovakia; Austria; Sweden.
1957. *Deuterosminthurus bicinctus* Mayer (1390) p. 565; Biology.
1958. *Deuterosminthurus bicinctus* Grindbergs (2275) p. 12; Latvia.
1958. *Deuterosminthurus bicinctus* Grindbergs (2276) p. 78; Latvia.
1958. *Bourletiella* (*Deuterosminthurus*) *bicinctus* Grindbergs (2277) p. 204; Latvia.
1958. *Bourletiella* (*Deuterosminthurus*) *bicincta* von Torne (1993) p. 673; Austria.
1959. *Deuterosminthurus bicinctus* Stach (1896) p. 53; Poland.
1960. *Deuterosminthurus bicinctus* Bodvarsson (2412) p. 174; Faroes.
1960. *Bourletiella bicincta* Gisin (2271) p. 289, fig. 538; Europe.

Deuterosminthurus bicinctus pallipes (Bourlet) 1842

1842. *Sminthurus pallipes* Bourlet (265) p. 59; France.
1867. *Smynthurus pallipes* Lubbock (1316) p. 297, Pl. XXI, figs. 13–15; England.
1872. *Sminthurus pallipes* Tullberg (2003) p. 32, Pl. III, fig. 18; Sweden.
1894. *Sminthurus pallipes* Schött (1765) p. 30; Scandinavia.
1896. *Sminthurus pallipes* Schäffer (1735) p. 213; Germany.
1897. *Sminthurus pallipes* Poppe and Schäffer (1607) p. 272; Germany.
1898. *Sminthurus speciosus* Krausbauer (1203) p. 498; Germany.

1900. *Sminthurus novemlineatus pallipes* Börner (228) p. 614; Europe.
1901. *Sminthurus oblongus minor pallipes* Börner (234) p. 112; Germany.
1901. *Sminthurus pallipes* Krausbauer (1204) p. 41, figs. 1–5; Germany.
1906. *Sminthurus pallipes* Wahlgren (2080) p. 269; Sweden.
1907. *Bourletiella bicinctus pallipes* Axelson (83) p. 134; Finland.
1908. *Bourletiella sulphurea bicincta pallipes* Börner (245) p. 55; Central Europe.
1910. *Bourletiella pallipes* Bagnall (102) p. 508; England.
1910. *Bourletiella sulphurea pallipes* Collinge and Shoebotham (472) p. 123; England.
1912. *Deuterosminthurus bicinctus pallipes* Axelson (1292) p. 303; Finland.
1919. *Bourletiella bicinctus pallipes* Brown (297) p. 65; England.
1924. *Deuterosminthurus bicinctus pallipes* Handschin (981) p. 151; Switzerland; Finland.
1925. *Bourletiella bicinctus pallipes* Womersley (2148) p. 171; S.W. England.
1933. *Bourletiella bicinctus pallipes* Turk (2007) p. 95; Britain.
1942. *Deuterosminthurus bicinctus pallipes* Womersley (2193) p. 31; New Zealand.
1951. *Deuterosminthurus bicinctus pallipes* Praport (1610) p. 145; Poland.

Deuterosminthurus bicinctus puncteolus (Börner) 1900

1900. *Deuterosminthurus novemlineatus puncteola* Börner (228) p. 614; Europe.
1922. *Deuterosminthurus bicinctus puncteola* Stach (1860) p. 63; Hungary.
1930. *Deuterosminthurus bicinctus puncteola* Stach (1869) p. 309; Europe; Siberia.

Deuterosminthurus bicinctus repandus (Ågren) 1903

1871. *Sminthurus luteus* Tullberg (2002) p. 146; Sweden.
1876. *Sminthurus luteus* Reuter (1628) p. 80; Finland.
1891. *Sminthurus luteus* Lie-Pettersen (1281) p. 9; Norway.
1903. *Sminthurus repandus* Ågren (55) p. 163, figs. 16–18; South Sweden.
1907. *Bourletiella bicinctus repanda* Axelson (83) p. 134; Finland.
1908. *Bourletiella sulphurea* Börner (245) p. 54; Central Europe.
1911. *Bourletiella bicincta repanda* Axelson (1291) p. 26; Norway.
1912. *Deuterosminthurus bicinctus repanda* Axelson (1292) p. 301, Pl. XVI, fig. 22; Finland.
1915. *Deuterosminthurus bicinctus repanda* Ionesco (1105) p. 224; Roumania.
1916. *Deuterosminthurus bicinctus repanda* Bartholin (149) p. 201; Denmark.
1916. *Deuterosminthurus bicinctus repanda* Ionesco (1106) p. 498; Roumania.
1919. *Deuterosminthurus bicinctus repanda* Axelson (1293) p. 12; Arctic Urals.
1919. *Bourletiella bicinctus repanda* Brown (297) p. 65; England.
1920. *Deuterosminthurus bicinctus repanda* Ionesco (1107) p. 27; Roumania.
1921. *Bourletiella bicincta repanda* Brown (301) p. 143; Isle of Wight.
1921. *Deuterosminthurus repandus* Stach (1859) p. 201; Poland.
1922. *Deuterosminthurus repandus* Stach (1860) p. 63; Hungary.
1923. *Bourletiella bicinctus repanda* Brown (302) p. 263; England.
1924. *Deuterosminthurus repandus* Denis (614) p. 286; France.
1924. *Deuterosminthurus bicinctus repandus* Handschin (981) p. 150; Switzerland.
1925. *Deuterosminthurus bicinctus repandus* Handschin (987) p. 172; Morocco.
1925. *Bourletiella bicinctus repanda* Womersley (2148) p. 171; S.W. England.
1926. *Bourletiella bicinctus repanda* Womersley (2153) p. 221; S.W. England.
1927. *Deuterosminthurus bicinctus repanda* Handschin (999) p. 298; Westfalian peatbogs.
1928. *Deuterosminthurus bicinctus repandus* Jackson (1121) p. 303; Britain.
1928. *Bourletiella bicinctus repanda* Womersley (2154) p. 379; S.W. England.
1929. *Deuterosminthurus repandus* Stach (1869) p. 309; Hungary.
1930. *Deuterosminthurus repandus* Stach (1871) p. 275; Germany.
1931. *Deuterosminthurus repandus* Denis (639) p. 234; Germany.
1932. *Deuterosminthurus bicinctus repanda* Womersley (2173) p. 6, Pl. I, fig. 2; Tasmania.
1933. *Deuterosminthurus bicinctus repanda* Schubert (1787) p. 205; Ecology.
1933. *Deuterosminthurus bicinctus repanda* Schubert (1789) p. 1; Germany.
1933. *Bourletiella bicinctus repanda* Turk (2007) p. 95; Britain.
1934. *Deuterosminthurus repandus* Mills (1417) p. 102, fig. 172; Iowa.
1935. *Deuterosminthurus bicinctus repanda* Schubert (1791) p. 199–; Palaearctic.
1936. *Deuterosminthurus repandus* Womersley (2183) p. 326; Germany.
1937. *Deuterosminthurus bicinctus repanda* Frenzel (828) p. 305; Ecology.
1938. *Deuterosminthurus bicinctus repanda* Kseneman (1220) p. 21; Europe.
1938. *Deuterosminthurus bicinctus repanda* Strebel (1917) p. 116; Ecology, Germany.
1941. *Deuterosminthurus bicinctus repanda* Agrell (46) p. 20; Swedish Lapland.
1941. *Deuterosminthurus bicinctus repanda* Buitendijk (336) p. 89; Netherlands.
1941. *Deuterosminthurus bicinctus repandus* Salmon (1676) p. 416, Pl. 72, fig. 520; New Zealand.
1942. *Deuterosminthurus bicinctus repandus* Womersley (2193) p. 31; New Zealand.
1950. *Deuterosminthurus repandus* Wray (2216) p. 64; Utah.
1958. *Deuterosminthurus bicinctus repanda* Grindbergs (2276) p. 78; Latvia.
1958. *Bourletiella* (*Deuterosminthurus*) *bicinctus repanda* Grindbergs (2277) p. 204; Latvia.

Deuterosminthurus bilineatus (Bourlet) 1842

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1841. *Smynthurus bilineatus* Bourlet (261) p. 146; France.
1842. *Sminthurus bilineatus* Bourlet (262) p. 146; France.
1842. *Smynthurus bilineatus* Bourlet (265) p. 52; Europe.
1844. *Smynthurus bilineatus* Gervais (841) p. 403; France.
1844. *Sminthurus bilineatus* Lucas (1327) p. 297; Reference.

1847. *Smynthurus bilineatus* Nicolet (1496) p. 359; France.
1868. *Smynthurus Bourletii* Lubbock (1316) p. 297; Europe.
1871. *Sminthurus bilineatus* Tullberg (2002) p. 146; Sweden.
1872. *Sminthurus bilineatus* Tullberg (2003) p. 31, Pl. III, fig. 12; Sweden.
1873. *Smynthurus Bourletii* Lubbock (1318) p. 110, Pl. V; England.
1881. *Smynthurus bilineatus* Reuter (1635) p. 204; Finland.
1885. *Smynthurus bilineatus* Parona (1560) p. 37; Sardinia.
1893. *Smynthurus bilineatus* Schött (1765) p. 28; Sweden.
1895. *Smynthurus bilineatus* Reuter (1643) p. 11; Finland; Sweden; England; France; Sardinia.
1896. *Sminthurus bilineatus* Lie-Pettersen (1281) p. 8; Norway.
1897. *Sminthurus bilineatus* Poppe and Schaeffer (1607) p. 272; Germany.
1897. *Smynthurus bilineatus* Schäffer (1735) p. 212; Germany.
1898. *Sminthurus bilineatus* Lie-Pettersen (1282) p. 7; Norway.
1898. *Smynthurus bilineatus* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Sminthurus bilineatus* Carl (352) p. 354; Switzerland.
1899. *Sminthurus bilineatus* Carpenter and Evans (402) p. 227, Pl. VI, figs. 5–8; Scotland.
1900. *Sminthurus novemlineatus bilineatus* Börner (228) p. 614; = *Eusminthurus*.
1901. *Sminthurus bilineatus* Evans (739) p. 155; Scotland.
1901. *Sminthurus bilineatus* Evans (740) p. 151; Scotland.
1901. *Sminthurus bilineatus* Krausbauer (1204) p. 47; Germany.
1903. *Sminthurus bilineatus* Ågren (55) p. 165, fig. 22; Sweden.
1904. *Sminthurus bilineatus* Axelson (79) p. 82; Norway.
1905. *Sminthurus bilineatus* Axelson (81) p. 42; Finland.
1906. *Sminthurus bilineatus* Lie-Pettersen (1284) p. 73; Norway.
1906. *Smynthurus bilineatus* Wahlgren (2080) p. 269; Sweden.
1907. *Deuterosminthurus bilineatus* Axelson (83) p. 134; Finland.
1907. *Smynthurus bilineatus* Wahlgren (2082) p. 227; Torne lappmark, Norway.
1910. *Bourlietiella bilineata* Bagnall (102) p. 1–; Britain.
1910. *Bourletiella bilineata* Collinge and Shoebotham (472) p. 123; England.
1912. *Deuterosminthurus bilineatus* Axelson (1292) p. 303; Finland.
1916. *Deuterosminthurus insignis* Bartholin (149) p. 202; Denmark.
1916. *Deuterosminthurus bilineatus* Bartholin (149) p. 201; Denmark.
1916. *Deuterosminthurus novemlineatus* Bartholin (149) p. 202; Denmark.
1919. *Bourletiella bilineata* Brown (297) p. 65; England.
1919. *Deuterosminthurus bilineatus* Wahlgren (2089) p. 751; Sweden.
1921. *Deuterosminthurus insignis* Denis (607) p. 133; France.
1921. *Deuterosminthurus novemlineatus* Latzel (1250) p. 76; Austria.
1922. *Deuterosminthurus bilineatus pluslineatus* Stach (1860) p. 63; Hungary.
1923. *Deuterosminthurus insignis* Stach (1863) p. 15; Hungary.
1924. *Deuterosminthurus bilineatus* Handschin (981) p. 151; Switzerland.
1924. *Deuterosminthurus bilineatus* Handschin (984) p. 174; Hochmoor Estland.
1925. *Smynthurus bilineatus* Womersley (2148) p. 171; S.W. England.
1927. *Deuterosminthurus bilineatus* Handschin (999) p 298; Westfalian peat-bogs.
1928. *Deuterosminthurus bilineatus* Handschin (1003) p. 133; East Prussia.
1929. *Deuterosminthurus bilineatus* Handschin (1008) p. 117; Europe.
1929. *Sminthurus bilineatus* Kel'schtein (1160) p. 247; Russia.
1930. *Sminthurus bilineatus* Kel'schtein (1161) p. 78; Russia.
1930. *Deuterosminthurus bilineatus* Stach (1869) p. 309; Europe.
1931. *Deuterosminthurus bilineatus* Denis (639) p. 234; Germany; Synonymy.
1931. *Deuterosminthurus bilineatus* Lindroth (1286) p. 135; Iceland.
1931. *Sminthurus bilineatus* Schött (1780) p. 72; Scandinavia.
1933. *Deuterosminthurus bilineatus* Schubert (1787) p. 213; Ecology.
1933. *Bourletiella bilineata* Turk (2007) p. 95; Britain.
1934. *Deuterosminthurus bilineatus* Agrell (37) p. 235; Ecology; Sweden.
1934. *Sminthurus bilineatus* Perrier (1576) p. 40; France.
1937. *Deuterosminthurus bilineatus* Frenzel (828) p. 305; Ecology.
1938. *Deuterosminthurus bilineatus* Kseneman (1220) p. 21; Europe.
1938. *Deuterosminthurus bilineatus* Strebel (1917) p. 116; Germany; Ecology.
1941. *Deuterosminthurus bilineatus* Agrell (46) p. 20; Swedish Lapland.
1943. *Deuterosminthurus bilineatus* Agrell (47) p. 127; Sweden.
1943. *Deuterosminthurus bilineatus* Gisin (853) p. 181; Switzerland.
1944. *Deuterosminthurus bilineatus* Tuxen (2010) p. 143; Iceland.
1946. *Bourletiella* (*Deuterosminthurus*) *bilineata* Gisin (859) p. 256, fig. 1 F; Switzerland.
1948. *Bourletiella* (*Deuterosminthurus*) *bilineata* Gisin (869) p. 507; Switzerland; France; Ecology.
1949. *Deuterosminthurus bilineatus* Strenzke (1922) p. 208; Germany; Ecology.
1951. *Deuterosminthurus bilineatus* Schaller (1746) p. 492; Ecology.
1951. *Deuterosminthurus bilineatus* Stach (1889) p. 114, fig. 69; Europe.
1952. *Deuterosminthurus bilineatus* Baudissin (152) p. 54; Ecology.
1952. *Bourletiella bilineata* MacFadyen (1337) p. 110; England, fen.
1953. *Deuterosminthurus bilineatus* Hammer (972) p. 59; Nth. Canada.
1955. *Bourletiella bilineatus* Goto (921) p. 268; Britain.
1955. *Deuterosminthurus bilineatus* Stach (1893) p. 189, figs. 573, 574; Europe.

1956. *Heterosminthurus bilineatus* Stach (1894) p. 238; Systematics.
1957. *Deuterosminthurus bilineatus* Bodvarsson (2252) p. 40; Iceland.
1959. *Bourletiella* (*Deuterosminthurus*) *bilineata* Paclt (2317) p. 343; Czechoslovakia.
1960. *Bourletiella bilineata* Gisin (2271) p. 288. figs. 516, 523; Europe.

Deuterosminthurus bilineatus nigriceps (Schille) 1908

1908. *Sminthurus bilineatus bilineatus nigriceps* Schille (1755) p. 15; Galiziens.
1912. *Sminthurus bilineatus bilineatus nigriceps* Schille (1756) p. 15; Poland.

Deuterosminthurus bilineatus prodromatus Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad Sci., Cracow.
1922. *Deuterosminthurus bilineatus prodromata* Stach (1860) p. 64; Hungary.
1930. *Deuterosminthurus bilineatus prodromata* Stach (1869) p. 309; Hungary.

Deuterosminthurus bilineatus pluslineatus Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad Sci., Cracow.
1922. *Deuterosminthurus bilineatus pluslineata* Stach (1860) p. 63, Pl. IV, fig. 4; Hungary.
1929. *Deuterosminthurus bilineatus pluslineata* Stach (1869) p. 309; Hungary.

Deuterosminthurus carrerensis Rapoport and Bianco, 1962

1962. *Deuterosminthurus carrerensis* Rapoport & Bianco (2578) p. 247, figs. 13–18; Argentina.

Deuterosminthurus cingulus Bonet, 1933

1933. *Deuterosminthurus cingula* Bonet (209) p. 188, figs. XXII, XXIII; Argentina.
1956. *Deuterosminthurus cingula* Stach (1894) p. 163; Argentina.

Deuterosminthurus circumfasciatus Stach, 1956

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1956. *Deuterosminthurus circumfasciatus* Stach (1894) p. 176, Pl. XXI, figs. 1-5; Poland; Russia.
1960. *Bourletiella circumfasciata* Gisin (2271) p. 285, fig. 525; Poland; Russia.
1960. *Bourletiella* (*Fasciosminthurus*) *circumfasciata* Grindbergs (2373) p. 59; U.S.S.R.

Deuterosminthurus coronatus Bagnall, 1921

COTYPE: (Head only on slide.) Brit. Mus. Nat. Hist., London.
1921. *Deuterosminthurus coronatus* Bagnall (107) p. 16, fig. 2; Britain.
1956. *Deuterosminthurus coronatus* Stach (1894) p. 163; Britain.

Deuterosminthurus fallonae Maynard, 1951

1951. *Bourletiella* (*Deuterosminthurus*) *fallonae* Maynard (1393) p. 255, Pl. XXIII, figs. 404, 405; Pl. XXXII, figs. 592-594; New York.
1956. *Deuterosminthurus fallonae* Stach (1894) p. 160; U.S.A.

Deuterosminthurus fenyesi Stach, 1926

1926. *Deuterosminthurus fényesi* Stach (1867) p. 82, Pl. II, figs. 8–12; Hungary.
1929. *Deuterosminthurus fényesi* Stach (1869) p. 310; Hungary.
1956. *Deuterosminthurus fényesi* Stach (1894) p. 161; Hungary.
1960. *Bourletiella fényesi* Gisin (2271) p. 289; Hungary.

Deuterosminthurus flavus Gisin 1946

TYPE: Mus. Hist. Natur., Geneva.
1946. *Bourletiella* (*Deuterosminthurus*) *flava* Gisin (859) p. 254, fig. 1-f, 2-f, 3-f; Switzerland.
1948. *Bourletiella* (*Deuterosminthurus*) *flava* Gisin (869) p. 512; France, Ecology.
1955. *Bourletiella flava* Goto (921) p. 268; Britain.
1956. *Bourletiella flava* Bockemuhl (193) p. 149; Spitzbergen.
1956. *Deuterosminthurus flavus* Stach (1894) p. 159; Switzerland.
1958. *Bourletiella* (*Deuterosminthurus*) *flava* von Torne (1993) p. 674; Austria.
1960. *Bourletiella* (*Deuterosminthurus*) *flava* Gisin (2271) p. 289, fig. 537; Europe.
1960. *Bourletiella* (*Deuterosminthurus*) *flava* Murphy (2387) p. 63; Britain.

Deuterosminthurus gisini (Koch, 1840) Stach, 1956

1840. *Sminthurus sulphureus* Koch (1187) p. 353; Europe.
1908. *Bourletiella sulphurea* Börner (245) p. 54; Sth. Africa.
1910. *Bourletiella sulphurea* Collinge and Shoebotham (472) p. 123; England.
1946. *Bourletiella* (*Deuterosminthurus*) *sulphurea* Gisin (859) p. 253, figs. 1-s, 2-s, 3-s; Switzerland.
1948. *Bourletiella* (*Deuterosminthurus*) *sulphurea* Gisin (869) p. 497; Switzerland.
1956. *Deuterosminthurus gisini* Stach (1894) p. 159, *nom. nov.*

Deuterosminthurus lacazei Denis, 1924

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1924. *Deuterosminthurus lacazei* Denis (615) p. 199; France.
1925. *Deuterosminthurus lacazei* Denis (618) p. 581, fig. XI; France.
1956. *Deuterosminthurus lacazei* Stach (1894) p. 162; France.
1960. *Bourletiella lacazei* Gisin (2271) p. 285; France.

Deuterosminthurus linnaniemii Stach, 1951

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1951. *Deuterosminthurus linnaniemi* Stach (1889) p. 115, figs. 22-D, 70; Poland.
1956. *Bourletiella linnaniemi* Paclt (1541) pp. 14, 51, figs. 9, 70; Biology.
1960. *Bourletiella linnaniemi* Gisin (2271) p. 284; Poland; West Russia.

Deuterosminthurus marmoratus Womersley, 1931

COTYPES, PARATYPE: Sth. Austr. Mus., Adelaide.
1931. *Deuterosminthurus marmoratus* Womersley (2171) p. 149, Pl. XII, figs. 1–7; South Africa.

Deuterosminthurus marmoratus barnardi Womersley, 1931

COTYPES: Sth. Austr. Mus., Adelaide.
1931. *Deuterosminthurus marmoratus barnardi* Womersley (2171) p. 150; South Africa.

Deuterosminthurus mixtus Gisin, 1946

TYPE: Mus. Hist. Natur., Geneva.
1946. *Bourletiella* (*Deuterosminthurus*) *mixta* Gisin (859) p. 254, fig. 1-f, 2-m, 3-m; Switzerland.
1948. *Bourletiella* (*Deuterosminthurus*) *mixta* Gisin (869) p. 497; Switzerland.
1956. *Bourletiella mixta* Bockemuhl (193) p. 149; Spitzbergen.

1956. *Deuterosminthurus mixtus* Stach (1894) p. 159; Switzerland.
1958. *Bourletiella* (*Deuterosminthurus*) *mixta* von Torne (1993) p. 674; Austria.
1958. *Bourletiella mixta* Mrohs (1463) p. 331; Ecology.

Deuterosminthurus neopandus Wray, 1950

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1950. *Deuterosminthurus neopandus* Wray (2203) p. 95, figs. 23–30; Utah.
1956. *Deuterosminthurus neopandus* Stach (1894) p. 162; U.S.A.

Deuterosminthurus nigridorsalis Womersley, 1932

TYPE?: Sth. Austr. Mus., Adelaide.
1932. *Deuterosminthurus nigridorsalis* Womersley (2172) p. 30, fig. 10 a-c; Australia.
1939. *Deuterosminthurus* (*Deuterosminthurus*) *nigridorsalis* Womersley (2190) p. 247, fig. 72 I-L; Australia.
1956. *Deuterosminthurus nigridorsalis* Stach (1894) p. 162; Australia.

Deuterosminthurus nonlineatus Gisin, 1946

TYPE: Mus. Hist. Natur., Geneva.
1946. *Bourletiella* (*Deuterosminthurus*) *nonlineata* Gisin (859) p. 257; Switzerland.
1957. *Bourletiella nonlineata* Gisin (900) p. 494, fig. 13; Switzerland.

Deuterosminthurus oblongus (Nicolet) 1842

1842. *Smynthurus oblongus* Nicolet (1493) p. 81, Pl. 9, fig. 8; Europe.
1844. *Smynthurus oblongus* Gervais (841) p. 401; Europe.
1901. *Deuterosminthurus oblongus* Börner (234) p. 107, figs. 48–51; Central Europe.
1903. *Deuterosminthurus oblongus* Enderlein (722) p 240; Kerguelen Island.

Deuterosminthurus oblongus major (Börner) 1901

1901. *Sminthurus oblongus major* Börner (234) p. 113; Central Europe.

Deuterosminthurus oblongus major insignis (Reuter) 1876

1876. *Sminthurus insignis* Reuter (1628) p. 83; Finland
1893. *Sminthurus novem-lineatus insignis* Schött (1765) p. 26; Palaearctic.
1901. *Sminthurus oblongus major insignis* Börner (234) p. 113; Central Europe.
1901. *Deuterosminthurus oblongus major insignis* Börner (234) pp. 104, 113; Central Europe.

Deuterosminthurus oblongus major novem-lineatus (Börner) 1901

1901. *Sminthurus oblongus major novemlineata* Börner (234) p. 113; Europe.

Deuterosminthurus oblongus minor (Börner) 1901

1901. *Sminthurus oblongus minor* Börner (234) p. 112; Europe.

Deuterosminthurus oblongus minor cinctus (Tullberg) 1871

1871. *Sminthurus cinctus* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus cinctus* Tullberg (2003) Pl. III, figs 15, 16; Sweden.
1901. *Sminthurus oblongus minor cincta* Börner (234) p. 112; Europe.

Deuterosminthurus oblongus minor pallipes (Bourlet) 1842

1842. *Smynthurus pallipes* Bourlet (265) p. 59; France.
1844. *Smynthurus pallipes* Gervais (841) p. 404; Europe.
1868. *Sminthurus pallipes* Lubbock (1316) p. 297, Pl. XXI, figs. 13–15; England.
1872. *Sminthurus pallipes* Tullberg (2003) Pl. III, fig. 18; Sweden.
1901. *Sminthurus oblongus minor pallipes* Börner (234) p. 112; Europe.

Deuterosminthurus oblongus minor puncteolus (Börner) 1901

1901. *Sminthurus oblongus minor puncteola* Börner (234) p. 112, Pl. I, fig. 5; Central Europe.

Deuterosminthurus obscurus Womersley, 1932

1932. *Deuterosminthurus obscurus* Womersley (2173) p. 7, Pl. I, fig. 4, Text fig. III, 1–7; Tasmania.
1939. *Deuterosminthurus obscurus* Womersley (2190) p. 250, fig. 72 V-W; Tasmania.

Deuterosminthurus obscurus maculatus Womersley, 1939

1939. *Deuterosminthurus obscurus maculatus* Womersley (2190) p. 322; South Australia.

Deuterosminthurus **pallipes** Bourlet, 1841

1841. *Sminthurus pallipes* Bourlet (261) p. 147; France.
1842. *Smynthurus pallipes* Bourlet (265) p. 53; France.
1844. *Smynthurus pallipes* Gervais (841) p. 404; France.
1844. *Sminthurus pallipes* Lucas (1327) p. 297; Reference.
1847. *Sminthurus pallipes* Nicolet (1496) p. 359; France.
1868. *Smynthurus pallipes* Lubbock (1316) p. 297, Pl. XXI, figs. 13–15; England.
1871. *Sminthyrus pallipes* Tullberg (2002) p. 145; Sweden.
1872. *Sminthurus pallipes* Tullberg (2003) p. 32, Pl. III, fig. 18; Sweden.
1893. *Sminthurus pallipes* Schött (1765) p. 30; Sweden.
1895. *Sminthurus pallipes* Parona (1565) p. 697; Argentina.
1897. *Sminthurus pallipes* Poppe and Schaeffer (1607) p. 272; Germany.
1897. *Sminthurus pallipes* Schäffer (1735) p. 213; Germany.
1901. *Deuterosminthurus oblongus minor pallipes* Börner (234) p. 112; Central Europe.
1901. *Sminthurus pallipes* Krausbauer (1204) p. 41, figs. 1–5; Germany.
1906. *Sminthurus pallipes* Wahlgren (2080) p. 269; Sweden.
1910. *Bourletiella pallipes* Bagnall (102) p. 508; Britain.
1934. *Sminthurus pallipes* Perrier (1576) p. 39; France
1946. *Bourletiella* (*Deuterosminthurus*) *pallipes* Gisin (859) p. 255; Switzerland.
1952. *Bourletiella* (*Deuterosminthurus*) *pallipes* Baudissin (152) p. 54; Ecology.
1955. *Deuterosminthurus pallipes* Stach (1893) p. 188; Poland.
1958. *Bourletiella pallipes* Miles (1412) p. 638; Wales.
1960. *Bourletiella pallipes* Gisin (2271) p. 289; Europe.

Deuterosminthurus quinquefasciatus (Krausbauer) 1898

1898. *Sminthurus quinquefasciatus* Krausbauer (1203) p. 498; Germany.
1900. *Sminthurus zebrinus* Krausbauer, Börner (228) p 614; Germany, Systematics.
1901. *Sminthurus quinquefasciatus* Börner (234) p. 112; Germany.
1901. *Sminthurus quinquefasciatus* Carl (354) p. 275; Switzerland.
1902. *Sminthurus quinquefasciatus* Krausbauer (1204) p. 42, text figs. 6–10, Pl. I, figs. 6–7; Germany.

1922. *Bourletiella zebrina* Denis (609) p. 112; France.
1926. *Deuterosminthurus quinquefasciatus* Stach (1867) p. 84; Hungary.
1931. *Deuterosminthurus quinquefasciatus* Denis (639) p. 233; Germany.
1932. *Deuterosminthurus cinquefasciatus* Womersley (2173) p. 7, Pl. 1, fig. 3, t.-fig. II, 1-3; Tasmania.
1939. *Deuterosminthurus cinquefasciatus* Womersley (2190) p. 250, fig. 72, X-Z; Tasmania.
1946. *Deuterosminthurus quinquefasciatus* Gisin (859) p. 255; Switzerland.
1948. *Bourletiella (Deuterosminthurus) quinquefasciatus* Gisin (869) p. 500; Switzerland; France.
1956. *Deuterosminthurus quinquefasciatus* Jeannenot (1133) p. 1–; France.
1956. *Deuterosminthurus quinquefasciatus* Stach (1894) p. 164; Germany.
1960. *Bourletiella quinquefasciata* Gisin (2271) p. 284, fig. 524; Europe.

Deuterosminthurus repandus (Koch, 1840) (Ågren) 1903

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
France.
1840. *Smynthurus sulphureus* Koch (1187) p. 353–; Europe.
1842. *Smynthurus lupulinae* Bourlet (262) p. XL–; Europe.
1871. *Sminthurus luteus* Tullberg (2002) p. 143; Sweden.
1903. *Sminthurus repandus* Ågren (55) p. 163, figs. 16–18; Sweden.
1905. *Sminthurus bicinctus repanda* Axelson (80) p. 788–; Finland.
1907. *Bourletiella bicincta repanda* Axelson (83) p. 1–; Finland.
1908. *Bourletiella sulphurea sulphurea* Börner (245) p. 51–; South Africa.
1912. *Duterosminthurus bicinctus repanda* Linnaniemi (1292) p. 301; Finland.
1919. *Deuterosminthurus repandus* Stach (1859) p. 133–; Poland.
1923. *Deuterosminthurus repandus* Stach (1863) p. 15; Germany.
1930. *Deuterosminthurus repandus* Stach (1869) p. 309; Europe.
1939. *Deuterosminthurus repandus* Mills (1422) p. 161; North America.
1949. *Bourletiella (Deuterosminthurus) repanda* Janetschek (1127) pp. 42, 135–143; Ecology.
1951. *Deuterosminthurus repandus* Knowlton (1185) p. 96; Agric. pest, Utah.
1951. *Deuterosminthurus repanda* Schaller (1746) p. 463; Ecology, Germany.
1956. *Bourletiella repanda* Paclt (1541) p. 127; Biology.
1956. *Deuterosminthurus repandus* Stach (1894) p. 166, Pl. XX, figs. 8–10; Poland; Russia.
1957. *Bourletiella (Deuterosminthurus) repanda* Gisin (900) p. 492; Europe.
1958. *Deuterosminthurus repandus* Kholova (1169) p. 236; Bohemia.
1959. *Bourletiella (Deuterosminthurus) repanda* Paclt (2317) p. 343; Czechoslovakia.
1959. *Deuterosminthurus repandus* Stach (1896) p. 53; Poland.
1960. *Bourletiella repanda* Gisin (2271) p. 288, figs. 535-536; Europe.
1960. *Bourletiella (Deuterosminthurus) repanda* Grindbergs (2373) p. 59; U.S.S.R.

Deuterosminthurus russatus Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Bourletiella (Deuterosminthurus) russata* Maynard (1393) p. 258, Pl. XXIII, fig. 406, Pl. XXXII, figs. 595–599; New York.
1956. *Deuterosminthurus russatus* Stach (1894) p. 160; U.S.A.

Deuterosminthurus savannus Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Bourletiella (Deuterosminthurus) savanna* Murphy (2385) p. 576, figs. 63–68, 120; Gambia.

Deuterosminthurus separatus Arlé, 1943

TYPE: Mus. Nacional, Rio de Janeiro, Brazil.
1943. *Deuterosminthurus separatus* Arlé (67) p. 112, figs. 4–12; Brazil.

Deuterosminthurus sigmoides Womersley, 1933

TYPE: Sth. Austr. Mus., Adelaide.
1933. *Deuterosminthurus sigmoides* Womersley (2174) p. 245, fig. 6; Australia.
1939. *Deuterosminthurus (Deuterosminthurus) sigmoides* Womersley (2190) p. 250, fig. 72, BB, CC; W. Australia.

Deuterosminthurus spathaceus (Börner) 1907

1907. *Bourletiella spathacea* Börner (244) p. 157, figs. 15–18; Fundu Is. (off E. Africa).
1926. *Bourletiella spathacea* Philiptschenko (1592) p. 194; Brit. E. Africa.
1929. *Bourletiella spathacea* Handschin (1007) p. 27; East Africa.
1956. *Deuterosminthurus spathacea* Stach (1894) pp. 141, 164; Zanzibar.

Deuterosminthurus spinatus (MacGillivray) 1893

TYPE: Mus. Comp. Zool., Harvard.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1893. *Smynthurus spinatus* MacGillivray (1342) p. 127; North America.
1894. *Smynthurus spinatus* MacGillivray (1343) p. 109; North America.
1899. *Smynthurus spinatus* Banks (138) p. 195; Long Island, New York.
1903. *Sminthurus spinatus* Guthrie (951) p. 1–; Minnesota.
1928. *Bourletiella spinata* Folsom (800) p. 11–; New York.
1930. *Sminthurus spinatus* Bird (187) p. 356; Canada, forests.
1930. *Smynthurus spinatus* Mills (1413) p. 200–; Iowa
1933. *Bourletiella spinata* James (1124) p. 112; Canada.
1934. *Bourletiella spinata* Folsom (803) p. 467, Pl. VIII, figs. 66, 67, Pl. IX, figs. 68–76; North America.
1934. *Bourletiella spinata* Mills (1417) p. 102, figs 173–174; Iowa, U.S.A.; Canada.
1938. *Bourletiella spinata* Brimley (275) p. 17; North Carolina.
1949. *Bourletiella spinata* Judd (1152) p. 1–; Ontario.
1948. *Bourletiella spinata* Spencer (1851) p. 22; Canada.
1951. *Bourletiella spinata* Maynard (1393) p. 250, Pl. XXII, figs. 374–376, Pl. XXIII, fig. 382, Pl. XXIV, fig. 418, Pl. XXXI, figs. 584–586, Pl. XXXII, figs. 587, 588; New York.
1951. *Bourletiella spinata* Wilkey (2120) p. 79; Colorado.

Deuterosminthurus strigatus Stach, 1922

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1922. *Deuterosminthurus strigatus* Stach (1860) p. 61, Pl. II, figs. 8, 9, Pl. IV, fig. 5; Hungary.

1930. *Deuterosminthurus strigatus* Stach (1869) p. 309; Hungary.
1956. *Deuterosminthurus strigatus* Stach (1894) p. 162; Slovakia.
1960. *Bourletiella strigata* Gisin (2271) p. 284; Slovakia.

Deuterosminthurus tristani Denis, 1933

1933. *Deuterosminthurus tristani* Denis (645) p. 297, figs. 113–127; Costa Rica.
1956. *Deuterosminthurus tristani* Stach (1894) p. 161; Costa Rica.

Deuterosminthurus violaceus Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Bourletiella* (*Deuterosminthurus*) *violacea* Murphy (2385) p. 577, figs. 69–77; Gambia.

Deuterosminthurus virgulatus (Skorikow) 1899

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1899. *Sminthurus virgulatus* Skorikow (1830) p. 385–; and figs.; Russia.
1932. *Deuterosminthurus virgulatus* Denis (641) p. 380; France.
1956. *Deuterosminthurus virvulatus* Stach (1894) p. 163; Europe.
1960. *Bourletiella virgulata* Gisin (2271) p. 285; Russia; France.
1960. *Bourletiella* (*Fasciosminthurus*) *virgulata* Grindbergs (2373) p. 59; U.S.S.R.

Genus: NASOSMINTHURUS Stach 1955 (1892) p. 53.

Type species fixed: *N. dimorphus* (Womersley) by Stach, 1955 (1892) p. 53.

Nasosminthurus dimorphus (Womersley) 1932

SYNTYPES: Sth. Austr. Mus., Adelaide.
1932. *Deuterosminthurus dimorphus* Womersley (2172) p. 31, fig. 11 A-F; Australia.
1939. *Deuterosminthurus dimorphus* Womersley (2190) p. 249, fig. 72 R-U; Australia.
1955. *Nasosminthurus dimorphus* Stach (1892) p. 53; Australia.

Genus: DISPARRHOPALITES Stach, 1956 (1894) p. 63.

Type species fixed: *P. patrizii* (Cassagnau & Delamare Deboutteville) by Stach, 1956 (1894) p. 63.

Disparrhopalites patrizii (Cassagnau and Delamare Deboutteville) 1953

TYPES: Auths'. Collns., Fac. Sci., Univ. Toulouse and Nancy, France.
1953. *Pararrhopalites patrizii* Cassagnau & Delamare Deboutteville (426) p. 144, figs. 7 A-E, 8 A-H; France; Italy; Crete.
1955. *Pararrhopalites patrizii* Cassagnau (420) p. 36; France.
1956. *Disparrhopalites patrizii* Stach (1894) p. 63; Europe.
1957. *Disparrhopalites patrizii* Delamare Deboutteville & Bassot (592) p. 82; Madeira.
1960. *Sminthurus patrizii* Gisin (2271) p. 290; Italy; France; Madeira.

Genus: NOVOKATIANNA Salmon, 1944 (1683) p. 173.

Type species fixed: *N. cummyxa* by Salmon, 1944 (1683) p. 173.

Novokatianna cummyxa Salmon, 1944

TYPE: Dominion Mus., Wellington, N.Z.
1944. *Novokatianna cummyxa* Salmon (1683) p. 174, Pl. 63, figs. 172–178; New Zealand.

Novokatianna radiata Salmon, 1946

TYPE: Dominion Mus., Wellington, N.Z.
1946. *Novokatianna radiata* Salmon (1686) p. 36, figs. 17–18; New Zealand.

Novokatianna venusta Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Katianna venusta* Salmon (1681) p. 4, Pl. I, figs. 2–3; Pl. 2, figs. 28–30; New Zealand.
1944. *Novokatianna venusta* Salmon (1683) p. 175; New Zealand.

Genus: EUSMINTHURUS Börner, 1900 (228) p. 611.
= *Neosminthurus* Mills, 1934 (1417) p. 98.

Type species now designated: *E. lubbocki* (Tullberg), by monotype.

Eusminthurus lubbocki (Tullberg) 1872

TYPE ?: Swed. Mus. Nat. Hist., Stockholm.
1872. *Sminthurus Lubbockii* Tullberg (2003) p. 33; Sweden.
1876. *Sminthurus lubbocki* Reuter (1628) p. 80; Finland
1885. *Sminthurus poppei* Reuter (1636) p. 214; Europe.
1893. *Sminthurus lubbocki* Schött (1765) p. 33, Pl. III, figs. 1–4; Palaearctic; Finland; Germany.
1895. *Sminthurus lubbocki* Reuter (1643) p. 13; Finland; Sweden; Bremen.
1897. *Sminthurus lubbocki* Poppe & Schaeffer (1607) p. 272; Germany.
1897. *Sminthurus lubbocki* Schäffer (1735) p. 212; Germany.
1898. *Sminthurus tuberculatus* Lie-Pettersen (1282) p. 1–; Norway.
1898. *Sminthurus fuscus atra* Scherbakow (1750) p. 60; Kiev.
1900. *Sminthurus Lubbockii* Axelson (75) p. 123; Finland.
1900. *Eusminthurus Lubbockii* Börner (228) p. 612; Europe.
1901. *Eusminthurus Lubbockii* Börner (234) p. 119, figs. 57–59; Central Europe.
1901. *Eusminthurus lubbocki* Krausbauer (1204) p. 40; Germany.
1902. *Eusminthurus lubbocki* Schött (1772) p. 38; Sweden.
1903. *Eusminthurus lubbocki* Ågren (55) p. 168; Sweden.
1903. *Sminthurus lubbocki* Ågren (55) p. 168; Sweden.
1905. *Sminthurus Lubbockii* Axelson (81) p. 43; Finland.
1906. *Sphyrotheca lubbocki* Börner (243) p. 183.
1906. *Eusminthurus lubbocki* Wahlgren (2080) p. 270; Sweden.
1907. *Sphyrotheca lubbocki* Axelson (83) p. 134; Finland.
1908. *Eusminthurus lubbocki* Schille (1755) p. 15; Poland.
1910. *Sphyrotheca lubbocki* Bagnall (102) p. 509; Britain.
1911. *Sphyrotheca lubbocki* Shoebotham (1819) p. 37; England.
1912. *Sphyrotheca lubbocki* Axelson (1292) p. 310; Finland.
1912. *Eusminthurus lubbocki* Schille (1756) p. 15; Galizien.
1915. *Sphyrotheca lubbocki* Ionesco (1105) p. 224; Rumania.
1915. *Sphyrotheca lubbocki* Ionesco (1106) p. 498, fig. 13; Rumania.
1916. *Sphyrotheca lubbocki* Bartholin (149) p. 202; Denmark.

1920. *Sphyrotheca lubbocki* Ionesco (1107) p. 27; Rumania.
1921. *Sphyrotheca lubbocki* Bagnall (107) p. 16; England.
1921. *Sphyrotheca lubbocki* Denis (607) p. 133; France.
1922. *Sphyrotheca lubbocki* Latzel (1250) p. 76; Ostalpen & Karstes.
1924. *Sphyrotheca lubbocki* Denis (614) p. 287; France.
1924. *Sphyrotheca lubbocki* Denis (614) p. 295; France.
1924. *Sphyrotheca lubbocki* Handschin (981) p. 152; Switzerland.
1926. *Sphyrotheca lubbocki* Handschin (988) p. 8, figs. 2, 4; Biology.
1926. *Sphyrotheca lubbocki* Handschin (990) p. 125, figs. 21–26; Algeria.
1928. *Sphyrotheca lubbocki* Jackson (1121) p. 304; Britain.
1929. *Sphyrotheca lubbocki* Handschin (1008) p. 122, fig. 217; Europe; North Africa.
1930. *Sphyrotheca lubbocki* Stach (1869) p. 310; Nth. and Middle Europe.
1930. *Sphyrotheca lubbocki* Womersley (2165) p. 39; England.
1931. *Sphyrotheco lubbocki* Denis (639) p. 235; Germany.
1933. *Sphyrotheca lubbocki* Schubert (1787) p. 181; Ecology.
1933. *Sphyrotheca lubbocki* Turk (2007) p. 95; Britain.
1934. *Sphyrotheca lubbocki* Volz (2069) p. 174; Ecology.
1933. *Sphyrotheca lubbocki* Schubert (1789) p. 3; Germany.
1935. *Sphyrotheca lubbocki* Schubert (1791) pp. 108–, 206–, 367–; Germany.
1937. *Sphyrotheca lubbocki* Drenowski (695) p. 4; Bulgaria.
1937. *Sphyrotheca lubbocki* Frenzel (828) p. 296; Ecology.
1937. *Sphyrotheca lubbocki* Kseneman (1217) p. 474; Carpathians.
1937. *Sphyrotheca lubbocki* Schubert (1792) p. 129; Europe.
1938. *Sphyrotheca lubbocki* Drenowski (696) p. 113; Bulgaria.
1943. *Sphyrotheca lubbocki* Agrell (47) p. 127; Sweden.
1943. *Sminthurus* (*Sphyrotheca*) *lubbocki* Gisin (853) p. 182; Switzerland.
1947. *Sphyrotheca lubbocki* Buitendijk (337) p. 338, fig. 2; Netherlands; Europe; North America.
1949. *Sphyrotheca lubbocki* Strenzke (1922) p. 209; Germany.
1951. *Sphyrotheca lubbocki* Cassagnau and Delamare Deboutteville (593) p. 3; Mid. France.
1954. *Sphyrotheca lubbocki* Travé (2000) p. 213; France.
1955. *Sphyrotheca lubbocki* Stach (1893) p. 196, figs. 598–601; Europe; Africa.
1956. *Eusminthurus lubbocki* Bockemuhl (193) p. 150; Spitzbergen.
1956. *Sphyrotheca lubbocki* Paclt (1541) p. 15, fig. 12.
1956. *Sphyrotheca lubbocki* Stach (1894) p. 210, Pl. XXVI; Poland; Russia; Slovakia; Hungary; Bulgaria.
1957. *Sphyrotheca lubbocki* Jeannenot (1135) p. 412.
1958. *Sphyrotheca lubbocki* Grindbergs (2276) p. 78; Latvia.
1958. *Sphyrotheca lubbocki* Grindbergs (2277) p. 205; Latvia.
1958. *Sphyrotheca lubbocki* Kholova (1169) p. 235; Bohemia.
1958. *Eusminthurus lubbockii* von Torne (1993) p. 674; Austria.
1959. *Sphyrotheca lubbocki* Da Gama (494) p. 38; Madeira.
1959. *Sphyrotheca lubbocki* Da Gama (2266) p. 28; Portugal.
1959. *Eusminthurus lubbocki* Haybach (2375) Tab. VIII; Ecology.
1959. *Sphyrotheca lubbocki* Stach (1896) p. 54; Poland.
1960. *Eusminthurus lubbocki* Gisin (2271) p. 290, fig. 540; Europe.
1960. *Sminthurus lubbocki* Gisin (2271) p. 290; Systematics.
1960. *Sminthurus* (*Sphyrotheca*) *lubbocki* Grindbergs (2373) p. 60; U.S.S.R.

Eusminthurus lubbocki maculatus (Axelson) 1900

TYPE: Univ. Mus., Div. Ent., Helsinki.
1900. *Sminthurus Lubbockii maculata* Axelson (75) p. 123; Finland.
1902. *Sminthurus Lubbockii maculata* Schött (1772) p. 40; Sweden.
1905. *Sminthurus Lubbockii maculata* Axelson (81) p. 43; Finland.
1906. *Sminthurus lubbocki maculata* Wahlgren (2080) p. 270; Sweden.
1907. *Sphyrotheca lubbocki maculata* Axelson (83) p. 134; Finland.
1912. *Sphyrotheca lubbocki maculata* Axelson (1292) p. 311; Finland.
1930. *Sphyrotheca lubbocki maculata* Stach (1869) p. 310; Europe.
1935. *Sphyrotheca lubbocki maculata* Schubert (1791) pp. 224–, 367; Ecology, Germany.
1949. *Sminthurus Lubbockii maculata* Strenzke (1922) p. 209; Germany, Ecology.

Eusminthurus lubbocki pallidus (Ionesco) 1915

1915. *Sphyrotheca Lubbockii pallida* Ionesco (1105) p. 224; Roumania.

Eusminthurus occidentalis (Mills) 1935

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1935. *Neosminthurus occidentalis* Mills (1418) p. 138, figs. 10, 12; Washington.

Eusminthurus sminthurinus (Mills) 1934

COTYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Neosminthurus sminthurinus* Mills (1417) p. 99, fig. 171; Iowa.

Eusminthurus variegatus (Tullberg) 1876

1876. *Sminthurus variegatus* Tullberg (2004) p. 29, Pl. VIII, figs. 1–4; Boreal.
1901. *Eusminthurus variegatus* Börner (234) p. 114, figs. 37, 52, 54; Central Europe.

Genus: PAPIRINUS Yosii, 1954 (2231) p. 828.

Type species fixed: *P. prodigiosus* by Yosii, 1954 (2231) p. 828.

Papirinus prodigiosus Yosii, 1954

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1954. *Papirinus prodigiosum* Yosii (2231) p. 828, fig. 39; Japan.
1959. *Sphyrotheca prodigiosa* Paclt (2316) p. 69, figs. 23, 24; South Africa.

Genus: CORYNEPHORIA Absolon, 1907 (23) p. 338.

Type species fixed: *C. jacobsoni* Absolon, by Stach, 1955 (1892) p. 54, by monotypy.

Corynephoria albidorsalis Womersley, 1932

TYPE: Sth. Austr. Mus., Adelaide.
1932. *Corynephoria albidorsalis* Womersley (2172) p. 36, fig. 14 A-F; Australia.

1939. *Corynephoria albidorsalis* Womersley (2190) p. 254, fig. 73 N-S; W. Australia.

***Corynephoria boerneri** *nom. nov.*

1893. *Sminthurus fuscus* Schött (1764) p. 2–; Cameroons.
1907. *Allacma dubia* Börner (244) p. 177; Cameroons.

Corynephoria cassida Womersley, 1932

TYPE: Sth. Austr. Mus., Adelaide.
1932. *Corynephoria cassida* Womersley (2172) p. 34, fig. 12 A-F; Australia.
1939. *Corynephoria cassida* Womersley (2190) p. 253, fig. 73 A-F; W. Australia.

Corynephoria dubia Womersley, 1932

TYPES?: Sth. Austr. Mus., Adelaide.
1932. *Corynephoria dubia* Womersley (2172) p. 35, fig. 13, A-G; Australia.
1939. *Corynephoria dubia* Womersley (2190) p. 253, fig. 73 G-M; W. Australia.

Corynephoria gibbera Salmon, 1941

TYPE: Dom. Mus., Wellington, N.Z.
1941. *Corynephoria gibbera* Salmon (1676) p. 416, Pl 72, figs. 521–523; New Zealand.

Corynephoria jacobsoni Absolon, 1907

1907. *Corynephoria jacobsoni* Absolon (23) p. 338, fig 3; East Indies.
1911. *Corynephoria jacobsoni* Hoffman (1072) p. 382–; Physiology.
1913. *Corynephoria jacobsoni* Börner (251) p. 58, fig 14; Java.
1925. *Corynephoria jacobsoni* Handschin (985) p. 267; Java.
1957. *Corynephoria jacobsoni* Uchida (2037) p. 457.

Corynephoria quadrimaculata Womersley, 1942

TYPES: Sth. Austr. Mus., Adelaide.
1942. *Corynephoria quadrimaculata* Womersley (2193) p. 31, fig. 8 A-D; Australia.

Corynephoria plumosa (Handschin) 1926

1907. *Sminthurus crassicaudatus* von Olfers (1506) p. 29, fig. 86; Baltic Bernstein.
1907. *Sminthurus cristatus* von Olfers (1506) p. 29, fig. 87; Baltic Bernstein.
1907. *Sminthurus longipes* von Olfers (1506) p. 29, fig. 84; Baltic Bernstein.
1907. *Sminthurus fuscus* von Olfers (1506) p. 29, fig. 83; Baltic Bernstein.
1907. *Papirius brevicaudatus* von Olfers (1506) p. 30, fig. 89; Baltic Bernstein.
1907. *Papirius verrucosus* von Olfers (1506) p. 30, fig. 90; Baltic Bernstein.
1926. *Allacma plumosa* Handschin (994) p. 333, fig. 9 B, D, H; Baltic Bernstein.
1956. *Allacma plumosa* Stach (1894) p. 217; Systematics.

Corynephoria plumosetosa (Handschin) 1926

1907. *Sminthurus crassicaudatus* von Olfers (1506) p. 29, fig. 86; Baltic Bernstein.
1907. *Sminthurus cristatus* von Olfers (1506) p. 29, fig. 87; Baltic Bernstein.
1907. *Sminthurus longipes* von Olfers (1506) p. 29, fig. 84; Baltic Bernstein.
1907. *Sminthurus fuscus* von Olfers (1506) p. 29, fig. 83; Baltic Bernstein.
1907. *Papirius brevicaudatus* von Olfers (1506) p. 30, fig. 89; Baltic Bernstein.
1907. *Papirius verrucosus* von Olfers (1506) p. 30, fig. 90; Baltic Bernstein.
1926. *Allacma plumosetosa* Handschin (994) p. 382, fig. 9 C, F, G, I, K, L, M; Baltic Bernstein.
1956. *Allacma plumosetosa* Stach (1894) p. 217.

Corynephoria setosa (Handschin) 1926

1907. *Sminthurus setosus* von Olfers (1506) p. 29; Baltic Bernstein.
1907. *Sminthurus longipes* von Olfers (1506) p. 29, fig. 84; Baltic Bernstein.
1926. *Allacma setosa* Handschin (994) p. 334, fig. 9 A-E; Baltic Bernstein.
1956. *Allacma setosa* Stach (1894) p. 217.

Genus: ANEUEMPODIALIS Stach, 1955 (1892) p. 54.

Type species fixed: *A. cinereus* (Womersley) by Stach, 1955 (1892) p. 54.

Aneuempodialis cinereus (Womersley) 1932

1932. *Deuterosminthurus cinereus* Womersley (2172) p. 31, fig. 10 D-H; Australia.
1949. *Deuterosminthurus cinereus* Womersley (2190) p. 249, fig. 72 M-Q; Australia.
1955. *Aneuempodialis cinereus* Stach (1892) p. 54; Australia.

Aneuempodialis cinereus quadripunctatus (Womersley) 1939

1939. *Deuterosminthurus cinereus quadripunctatus* Womersley (2190) p. 249; W. Australia.

Subfamily: DICYRTOMINAE Börner, 1906 (243) p. 163.

Genus: PSEUDODICYRTOMINA Stach, 1957 (1895) p. 41.

Type species fixed: *P. trukana* (Uchida) by Stach, 1957 (1895) p. 41.

Pseudodicyrtomina trukana (Uchida) 1944

1944. *Dicyrtomina trukana* Uchida (2021) p. 14, Pl. XIV; Micronesia.
1957. *Pseudodicyrtomina trukana* Stach (1895) p. 41.
1957. *Dicyrtomina trukana* Uchida (2037) p. 457.
1959. *Dicyrtomina trukana* Uchida (2403) p. 24; Micronesia.

Pseudodicyrtomina verrucosa (Handschin) 1930

1930. *Dicyrtomina verrucosa* Handschin (1009) p. 423, Pl. 4, figs. 44–48; Philippines.
1957. *Pseudodicyrtomina verrucosa* Stach (1895) p. 41; Systematics.

Genus: GIBBERATHRIX Uchida, 1952 (2026) p. 1.

Type species fixed: *G. tsugarensis* by Uchida, 1952 (2026) p. 2.

Gibberathrix tsugarensis Uchida, 1952

1952. *Gibberathrix tsugarensis* Uchida (2026) p. 2, figs. A-D; Japan.
1959. *Gibberathrix tsugarensis* Uchida (2403) p. 24; Japan.

Genus: DICYRTOMINA Börner, 1903 (239) p. 167.

Type species fixed: *D. minuta* (Fabricius) by Börner, 1906 (243) p. 183.

Dicyrtomina andrewarthae Womersley, 1932

1932. *Dicyrtomina andrewarthae* Womersley (2172) p. 39, fig. 18 A-C; Australia.

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* As Börner's species *A. dubia* is really a species of *Corynephoria* and as the name *dubia* is already in use in this genus I have renamed Börner's species after him.

1939. *Dicyrtomina andrewarthae* Womersley (2190) p. 259, fig. 75 A-C; Victoria.
1957. *Dicyrtomina andrewarthai* Stach (1895) p. 37; Australia.

Dicyrtomina bougainvilleae Yosii, 1960

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1960. *Dicyrtomina bougainvilleae* Yosii (2408) p. 36, fig. 21; Solomon Islands.

Dicyrtomina calva (Denis) 1948

1948. *Dicyrtoma calva* Denis (676) p. 306, fig. 41; Indo-China.
1957. *Dicyrtomina calva* Stach (1895) p. 38; Indo-China.
1959. *Dicyrtomina calva* Yosii (2355) p. 63, fig. 37; Singapore.

Dicyrtomina catenata Schött, 1921

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1921. *Dicyrtomina catenata* Schött (1775) p. 38, Pl. I, figs. 8–10; Masatierra Is.
1957. *Dicyrtomina catenata* Stach (1895) p. 40; Masatierra Is.

Dicyrtomina dorsolineata Latzel, 1917

1917. *Dicyrtomina dorsolineata* Latzel (1249) p. 252; Austria.
1922. *Dicyrtomina dorsolineata* Latzel (1250) p. 77; Ostalpen & Karstes.
1957. *Dicyrtomina dorsolineata* Stach (1895) p. 36; Carinthia.

Dicyrtomina ealana Marlier, 1945

1945. *Dicyrtomina ealana* Marlier (1377) p. 261, fig. VII; Belgian Congo.

***Dicyrtomina insularis** (Carpenter) 1935

LECTOTYPE: Manchester Mus., England.
1935. **Dicyrtoma insularis* Carpenter (400) p. 376, fig. 7; Marquesas Is.
1939. *Dicyrtoma insularis* Adamson (30) p. 38; Marquesas Is.
1940. *Dicyrtoma insularis* Mumford (1472) p. 266; Marquesas Is.
1957. *Dicyrtoma insularis* Stach (1895) p. 66; Identification.

Dicyrtomina labellei Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Dicyrtomina labellei* Maynard (1393) p. 279, Pl XXIV, fig. 420; Pl. XXXVI, figs. 642–646; New York.
1957. *Dicyrtomina labellei* Stach (1895) p. 38; U.S.A.

Dicyrtomina leptothrix Börner, 1909

1909. *Dicyrtomina leptothrix* Börner (246) p. 128; Japan.
1938. *Dicyrtomina leptothrix* Uchida (2015) p. 9; Japan.
1954. *Dicyrtomina leptothrix* Yosii (2231) p. 820, fig. 34; Japan.
1957. *Dicyrtomina leptothrix* Stach (1895) p. 40; Japan.
1959. *Dicyrtomina leptothrix* Uchida (2403) p. 24; Japan.

Dicyrtomina minuta (Linné) 1767

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1767. *Podura minuta* Linné (1302) p. 1013; Europe.
1775. *Podura minuta* Muller (1471) p. 1019; Europe.
1783. *Podura minuta* Fabricius (752) p. 307, fig. 7; Europe.
1793. *Podura minuta* Gmelin (910) p. 2908; Europe.
1835. *Smynthurus signata* Templeton (1957) p. 97, Pl. XII, fig. 8; Ireland.
1842. *Smynthurus Culonii* Nicolet (1493) p. 84; Europe.
1862. *Papirius nigro-maculatus* Lubbock (1315) p. 589; Europe.
1871. *Papirius nigro-maculatus* Tullberg (2002) p. 146; Sweden.
1871. *Papirius flavosignatus* Tullberg (2002) p. 146; Sweden.
1872. *Papirius minutus* Tullberg (2003) p. 35; Sweden.
1873. *Papirius nigromaculatus* Lubbock (1318) p. 127, Pl. X; Kent.
1873. *Papirius ornatus* Lubbock (1318) p. 123, Pl. IX; England.
1873. *Dicyrtoma dorsimaculata* Lubbock (1318) p. 117; Europe.
1876. *Papirius minutus* Reuter (1628) p. 80; Finland.
1885. *Papirius minutus* Parona (1560) p. 39; Sardinia.
1887. *Papirius minutus* Oudemans (1510) p. 97; Holland.
1890. *Papirius minuta* Reuter (1638) p. 19; Finland, greenhouses.
1890. *Papirius minutus* Uzel (2050) p. 39; Bohemia.
1891. *Papirius ornatus nigromaculatus* Parfitt (1550) p. 327; Devon.
1893. *Papirius minutus* Schött (1765) p. 40; Sweden; Norway; Finland; England; Switzerland; Germany; Hungary; Ireland; Italy; Sardinia; Tyrol; Oestreich.
1895. *Papirius minuta* Reuter (1643) p. 15; Finland; Europe.
1896. *Papirius minutus* Lie-Pettersen (1281) p. 11; Norway.
1897. *Papirius minutus* Poppe & Schaeffer (1607) p. 271; Germany.
1897. *Papirius minuta* Schäffer (1735) p. 206; Germany.
1898. *Papirius minutus* Lie-Pettersen (1282) p. 8; Norway.
1899. *Papirius minuta* Carl (351) p. 4; France.
1899. *Papirius minuta* Carl (352) p. 348; Switzerland.
1899. *Papirius minuta* Carpenter & Evans (402) p. 235; Scotland.
1900. *Dicyrtoma minuta* Willem (2123) p. 63, Pl. XI, figs. 4, 7, 8; Systematics.
1900. *Papirius minutus* Willem (2123) p. 63, Pl. XI, figs. 7, 8; Morphology.
1901. *Papirius minutus* Börner (234) p. 124, figs. 60, 63; Central Europe.
1901. *Papirius minutus* Boyd (268) p. 317; Scotland.
1901. *Papirius minuta* Carl (354) p. 273; Switzerland.
1901. *Papirius minutus* Evans (740) p. 152; Scotland.
1901. *Papirius minutus* Krausbauer (1204) p. 57, figs. 48, 49-C, Pl. II, figs. 48 A-C; Germany.
1901. *Papirius minutus* Lécaillon (1263) p. 258; Embryology.
1902. *Papirius minutus* Lécaillon (1264) p. 134; Morphology.
1902. *Papirius minutus* Schött (1772) p. 41, Pl. VI, fig. 3; Boreal.
1903. *Dicyrtoma minuta* Ågren (55) p. 169; Sweden.
1904. *Dicyrtoma minuta* Ågren (56) p. 26; Lapland.
1904. *Dicyrtoma minuta* Axelson (79) p. 83; Norway.
1905. *Dicyrtoma minuta* Axelson (81) p. 43; Finland.

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* I am satisfied after having examined the type specimen of *D. insularis* Carpenter in the Manchester Museum that this species is, in fact, a *Dicyrtomina.*

1906. *Dicyrtomina minuta* Börner (243) p. 183; Systematics.
1906. *Dicyrtoma minuta* Lie-Pettersen (1284) p. 74; Norway.
1906. *Dicyrtoma minuta* Wahlgren (2080) p. 265; Sweden.
1907. *Dicyrtoma minuta* Axelson (83) p. 134; Finland.
1907. *Dicyrtoma minuta* Wahlgren (2082) p. 228; Torne lappmark.
1910. *Dicyrtoma minuta* Collinge & Shoebotham (472) p. 125; England.
1912. *Dicyrtomina minuta* Axelson (1292) p. 321, Pl. XVI, fig. 27; Finland.
1912. *Papirius minutus* Dahl (496) p. 420; Ecology.
1913. *Dicyrtomina minuta* Carpenter (388) p. 9; Ireland.
1915. *Dicyrtomina minuta* Ionesco (1105) p. 224; Rumania.
1916. *Dicyrtomina minuta* Bartholin (149) p. 205; Denmark.
1916. *Dicyrtomina minuta* Carr (407) p. 66; England.
1916. *Dicyrtomina minuta* Ionesco (1106) p. 508, fig. 18; Rumania.
1918. *Dicyrtoma minuta* Brown (296) p. 187; England.
1919. *Dicyrtomina minuta* Wahlgren (2089) p. 751; Sweden.
1920. *Dicyrtomina minuta* Ionesco (1107) p. 35; Rumania.
1921. *Dicyrtomina minuta* Brown (300) p. 130; Swarming.
1921. *Dicyrtomina minuta* Brown (301) p. 143; Isle of Wight.
1921. *Dicyrtomina minuta* Denis (607) p. 133; France.
1921. *Dicyrtomina minuta* Latzel (1250) p. 77; Austria.
1921. *Dicyrtomina minuta* Stach (1859) p. 221; Poland.
1922. *Dicyrtomina minuta* Denis (609) p. 112; France.
1922. *Dicyrtomina minuta* Latzel (1250) p. 77; Ostalpen & Karstes; Austria.
1922. *Dicyrtomina minuta* Stach (1860) p. 69; Hungary.
1922. *Dicyrtomina saundersi* Stach (1861) p. 134, Pl. X, figs. 11, 12; Albania.
1923. *Dicyrtomina minuta* Stach (1863) p. 16; Systematics.
1924. *Dicyrtomina minuta* Denis (614) p. 295; France.
1924. *Dicyrtomina minuta* Handschin (981) p. 152; Switzerland.
1925. *Dicyrtomina minuta* Davies (514) p. 351; Agric. pests.
1925. *Dicyrtomina minuta* Denis (617) p. 212; Italy.
1925. *Dicyrtoma minuta* Handlirsch (975) p. 412; fig. 313; Taxonomy.
1925. *Dicyrtomina minuta* Womersley (2148) p. 171; S.W. England.
1926. *Dicyrtomina minuta* Handschin (990) p. 126; Algeria.
1927. *Dicyrtomina minuta* Denis (629) p. 206; Italy.
1927. *Dicyrtomina minuta* Womersley (2155) p. 140; Savernake Forest.
1928. *Dicyrtomina minuta* Handschin (1005) p. 9; Algeria.
1928. *Dicyrtomina minuta* Jackson (1121) p. 304; Britain.
1929. *Dicyrtomina minuta* Handschin (1008) p. 123; Europe.
1929. *Dicyrtoma minuta* Stach (1869) p. 312; Hungary.
1930. *Dicyrtomina minuta* Buitendijk (334) p. 75; Holland.
1930. *Dicyrtomina minuta* Stach (1870) p. 76, Pl. XV, figs. 15–18; Spain.
1930. *Dicyrtomina minuta* Womersley (2168) p. 197; Ireland.
1931. *Dicyrtoma minuta* Bonet (205) p. 391; Czechoslovakia, in caves.
1931. *Dicyrtomina minuta* Denis (639) p. 236; Germany.
1931. *Dicyrtomina minuta* Lindroth (1286) p. 136; Iceland.
1931. *Dicyrtoma minuta* Schött (1780) p. 72; Scandinavia.
1933. *Dicyrtoma minuta* Bonet (209) p. 192; Argentina.
1933. *Dicyrtoma minuta* Schubert (1787) p. 194; Ecology.
1933. *Dicyrtomina minuta* Turk (2007) p. 95; Britain.
1934. *Dicrytoma minuta* Agrell (37) p. 236; Ecology, Sweden.
1934. *Dicyrtomina minuta* Durkop (707) p. 510; Germany.
1934. *Dicyrtoma minuta* Perrier (1576) p. 40; France.
1935. *Dicyrtoma minuta* Denis (652) p. 331; Albania.
1935. *Dicyrtomina minuta* Schubert (1790) p. 97; Europe.
1935. *Dicyrtomina minuta* Schubert (1791) pp. 106–, 200–, 366–; Germany.
1936. *Dicyrtomina minuta* Womersley (2183) p. 326; New Zealand.
1937. *Dicyrtomina minuta* Henriksen (1043) p. 7; Faroes.
1937. *Dicyrtomina minuta* Kseneman (1217) p. 474; Carpathians.
1937. *Dicyrtomina minuta* Schubert (1792) p. 129; Europe.
1939. *Dicyrtomina minuta* Agrell (41) p. 7; Madeira Is.; Europe.
1941. *Dicyrtomina minuta* Agrell (46) p. 20; Swedish Lapland.
1941. *Dicyrtomina minuta* Buitendijk (336) p. 95; Netherlands; Europe.
1941. *Dicyrtomina minuta* Salmon (1676) p. 419, fig. 534; New Zealand.
1942. *Dicyrtoma minuta* Marlier (1375) p. 11; Belgium.
1943. *Dicyrtomina minuta* Agrell (47) p. 127; Sweden.
1943. *Dicyrtomina minuta* Gisin (853) p. 183; Switzerland.
1947. *Podura minuta* Hemming (1040) p. 584; Proposed type species.
1949. *Dicyrtomina minuta* Caspers (409) p. 43; Ecology.
1949. *Dicyrtomina minuta* Strenzke (1922) p. 209; Germany, Ecology.
1951. *Dicyrtomina minuta* Cassagnau and Delamare Deboutteville (593) p. 3; Mid. France.
1951. *Dicyrtoma minuta* Delamare Deboutteville (570) p. 44–; France.
1951. *Dicyrtomina minuta* Praport (1610) p. 146; Poland.
1951. *Dicyrtomina minuta* Schaller (1746) p. 464; Ecology.
1951. *Dicyrtoma minuta* Stach (1889) p. 117, fig. 12-D; Europe; Africa; Australia.
1953. *Dicyrtomina minuta* Ruppel (1670) p. 434; Physiology.
1954. *Dicyrtomina minuta* Delamare Deboutteville (2000) p. 213; France.
1955. *Dicyrtomina minuta* Chopard (434) p. 26, fig. 7; France.
1955. *Dicyrtomina minuta* Goto (921) p. 267–; Britain.
1955. *Dicyrtimina minuta* Stach (1893) p. 196, figs. 602–604; Europe; Africa; Australia.
1955. *Dicyrtomina minuta* Strenzke (1926) p. 49; Europe.

1956. *Dicyrtomina minuta* Husmann (1084) p. 1–; Germany.
1956. *Dicyrtoma minuta* Mayer (1389) p. 138; Reproduction.
1956. *Dicyrtoma minuta* Paclt (1541) p. 134.
1956. *Dicyrtomina minuta* Stevanovic (1903) p. 4–; Yugoslavia.
1957. *Dicyrtomina minuta* Bodvarsson (2252) p. 42; Iceland.
1957. *Dicyrtomina minuta* Jeannenot (1135) p. 405; Europe.
1957. *Dicyrtomina minuta* Mayer (1390) p. 503–, figs. 21, 33–38, 45; Biology.
1957. *Dicyrtomina minuta* Stach (1895) p. 43, Pl. 11, fig. 1; Poland; Ukraine.
1958. *Dicyrtomina minuta* Grindbergs (2276) p. 78; Latvia.
1958. *Dicyrtomina minuta* Grindbergs (2277) p. 205; Latvia.
1958. *Dicyrtomina minuta* Kholova (1169) p. 235; Bohemia.
1958. *Dicyrtoma minuta* Miles (1412) p. 638; Wales.
1958. *Dicyrtomina minuta* Nosek (1503) p. 357; Czechoslovakia.
1958. *Dicyrtomina minuta* Schaller (2330) p. 202; Physiology.
1958. *Dicyrtoma minuta* von Torne (1993) p. 674; Austria.
1959. *Dicyrtomina minuta* Da Gama (494) p. 34; Madeira.
1959. *Dicyrtoma minuta* Haybach (2375) Tab. VIII; Ecology.
1959. *Dicyrtoma minuta* Paclt (2316) p. 69; South Africa.
1959. *Dicyrtoma minuta* Paclt (2317) p. 344; Czechoslovakia.
1959. *Dicyrtomina minuta* Poole (1604) p. 76–; Food of Collembola.
1959. *Dicyrtomina minuta* Stach (1896) p. 55; Poland.
1959. *Dicyrtomina minuta* Uchida (2403) p. 24; Japan.
1960. *Dicyrtomina minuta* Bodvarsson (2412) p. 174; Faroes.
1960. *Dicyrtoma minuta* Gisin (2271) p. 296, figs. 66, 551; Europe.
1960. *Dicyrtoma minuta* Grindbergs (2373) p. 62; U.S.S.R.

Dicyrtomina minuta africana Womersley 1931

COTYPE: Sth. Austr. Mus., Adelaide.

1931. *Dicyrtomina minuta africana* Womersley (2171) p. 150, Pl. XIII, figs. 1–4; South Africa.

Dicyrtomina minuta flavosignata (Tullberg) 1871

TYPE?: Swed. Mus. Nat. Hist., Stockholm.

1871. *Papirius flavosignatus* Tullberg (2002) p. 146; Sweden.
1872. *Papirius flavosignatus* Tullberg (2003) p. 35, Pl. III, figs. 37, 38; Sweden.
1876. *Papirius flavosignatus* Reuter (1628) p. 80; Finland.
1885. *Papirius flavosignatus* Parona (1560) p. 32–; Sardinia.
1890. *Papirius flavosignatus* Uzel (2050) p. 39; Czechoslovakia.
1891. *Papirius flavosignatus* Parfitt (1550) p. 322–; Devon.
1891. *Papirius flavosignatus cinerascens* Reuter (1639) p. 231; Finland.
1893. *Papirius flavosignatus* Schött (1765) p. 40; Europe.
1895. *Papirius flavosignatus* Dalla Torre (498) p. 9.
1895. *Papirius flavosignatus* Reuter (1643) p. 14; Finland.
1901. *Papirius flavosignatus* Krausbauer (1204) p. 51; Germany.
1902. *Papirius minutus flavosignatus* Schött (1772) p. 41; Scandinavia.
1903. *Papirius minutus pallida* Ågren (55) p. 169; Sth. Sweden.
1903. *Papirius flavosignatus* Becker (159) p. 6; Morphology.
1905. *Papirius ater ocellatus* Becker (160) p. 85; Russia.
1905. *Papirius flavosignata* Philiptschenko (1586) p. 7; Russia.
1906. *Dicyrtoma linuta flavosignata* Wahlgren (2080) p. 265; Sweden.
1907. *Dicyrtomina minuta flavosignata* Axelson (83) p. 134; Finland.
1912. *Dicyrtomina minuta flavosignata* Axelson (1292) p. 323; Finland.
1915. *Dicyrtomina minuta flavosignata* Ionesco (1105) p. 224; Rumania.
1920. *Dicyrtomina minuta flavosignata* Ionesco (1107) p.1–; Rumania.
1920. *Dicyrtomina minuta flavosignata* Stach (1859) p. 221; Poland.
1922. *Dicyrtomina minuta flavosignata* Denis (609) p. 112; France.
1922. *Dicyrtomina minuta flavosignata* Stach (1860) p. 70; Hungary.
1923. *Dicyrtomina minuta flavosignata* Stach (1863) p. 16; Germany.
1923. *Dicyrtoma minuta flavosignatus* Womersley (2147) p. 36; S.W. England.
1930. *Dicyrtoma minuta flavosignata* Stach (1869) p. 312; Europe.
1933. *Dicyrtomina minuta flavosignatus* Turk (2007) p. 95; Britain.
1958. *Dicyrtomina minuta flavosignata* Grindbergs (2277) p. 206; Latvia.
1960. *Dicytoma minuta flavosignata* Grindbergs (2373) p. 62; U.S.S.R.

Dicyrtomina minuta fusca (Krausbauer) 1901

1901. *Papirius minutus fusca* Krausbauer (1204) p. 60; Germany.
1935. *Dicyrtomina minuta fusca* Schubert (1791) pp. 223–, 377–; Germany.

Dicyrtomina minuta meridionalis (Stach) 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1930. *Dicyrtomina minuta meridionalis* Stach (1870) p. 76; Spain.

Dicyrtomina minuta orcina (Absolon) 1901

1901. *Papirius flavosignatus orcina* Absolon (12) p. 113; Czechoslovakia.
1931. *Dicyrtoma minuta orcina* Bonet (205) p. 391; Czechoslovakia, in caves.

Dicyrtomina minuta pallida (Ågren) 1903

1903. *Dicyrtoma minuta pallida* Ågren (55) p. 169; Sweden.

Dicyrtomina minuta pulchella (Krausbauer) 1898

COTYPE: Brit. Mus. Nat. Hist., London.

1898. *Papirius minutus pulchella* Krausbauer (1203) p. 498; Germany.
1901. *Papirius minutus pulchella* Krausbauer (1204) p. 59, Pl. II, fig. 49-A; Germany.
1915. *Dicyrtomina minuta pulchella* Ionesco (1105) p. 225; Rumania.
1916. *Dicyrtomina minuta pulchella* Ionesco (1106) p. 509; Rumania.
1920. *Dicyrtomina minuta pulchella* Ionesco (1107) p. 36; Rumania.
1937. *Dicyrtomina minuta pulchella* Kseneman (1217) p. 474; Carpathians.

Dicyrtomina minuta quadrimaculata (Krausbauer) 1898

1898. *Papirius minutus quadrimaculata* Krausbauer (1203) p. 499; Germany.
1901. *Papirius minutus quadrimaculata* Krausbauer (1204) p. 59, Pl. II, fig. 49-B; Germany.
1912. *Papirius minutus quadrimaculata* Schille (1756) p. 8; Galicia.
1915. *Dicyrtomina minuta quadrimaculata* Ionesco (1105) p. 225; Rumania.
1916. *Dicyrtomina minuta quadrimaculata* Ionesco (1106) p. 509; Rumania.
1920. *Dicyrtomina minuta quadrimaculata* Ionesco (1107) p. 36; Rumania.

Dicyrtomina nova-zealandica Salmon, 1941

TYPES: Dominion Mus., Wellington, N.Z.
1941. *Dicyrtomina nova-zealandica* Salmon (1676) p. 419, Pl. 72, figs. 531–533; New Zealand.
1943. *Dicyrtomina spiculata* Salmon (1681) p. 11, Pl. I, fig. 10; Pl. 2, figs. 33–34; N.Z.
1944. *Dicyrtomina spiculata spadica* Salmon (1683) p. 182; New Zealand.
1946. *Dicyrtomina nova-zealandica* Salmon (1686) p. 59, figs. 67-69; Homer, N.Z.; Ad. descr.
1957. *Dicyrtomina nova-zealandica* Stach (1895) p. 37; New Zealand.

Dicyrtomina ochrea Womersley, 1939

TYPE: Sth. Austr. Mus., Adelaide.
1939. *Dicyrtomina ochrea* Womersley (2190) p. 261, fig. 75 O-S; Sth. Australia.
1957. *Dicyrtomina ochrea* Stach (1895) p. 40; South Australia.

Dicyrtomina opalina (Folsom) 1896

COTYPES: Mus. Comp. Zool., Harvard.
1896. *Papirius opalinus* Folsom (771) p. 120; Massachusetts.
1907. *Papirius opalinus* Jackson (1115) p. 177; U.S.A.
1934. *Dicyrtomina opalina* Folsom (803) p. 471, Pl. XII, figs. 106–110; Massachusetts.
1957. *Dicyrtomina opalina* Stach (1895) p. 38; U.S.A.

Dicyrtomina oryzae Murphy, 1960

TYPE: Brit. Mus. Nat. Hist., London.
1960. *Dicyrtomina oryzae* Murphy (2385) p. 586, figs. 107–116, 124; Gambia.

Dicyrtomina rossi Wray, 1952

TYPE: Insect. Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1952. *Dicyrtomina rossi* Wray (2204) p. 97, figs. 13, 14; U.S.A.

Dicyrtomina rufescens (Reuter) 1890

PARATYPES, COTYPES: Swed. Mus. Nat. Hist., Stockholm.
1890. *Papirius rufescens* Reuter (1638) p. 19, Pl. I, fig. 3; Scandinavia.
1895. *Papirius rufescens* Reuter (1643) p. 14; Finland.
1902. *Papirius rufescens discolor* Schött (1772) p. 41, Pl. V, figs. 1–5; Scandinavia.
1907. *Dicyrtomina rufescens* Axelson (83) p. 134; Finland.
1912. *Dicyrtomina rufescens* Axelson (1292) p. 324; Finland.
1926. *Dicyrtomina rufescens* Schött (1779) p. 36, Pl. IV, figs. 10–14; Cameroons.
1927. *Dicyrtomina rufescens* Handschin (1008) p. 123; Sweden; Finland.
1943. *Dicyrtomina rufescens* Agrell (47) p. 127; Sweden.
1952. *Dicyrtomina rufescens* Uchida (2027) p. 3; Japan.
1955. *Dicyrtomina rufescens* Uchida (2034) p. 200; Japan.
1957. *Dicyrtomina rufescens* Stach (1895) p. 38.
1959. *Dicyrtomina fufescens* Uchida (2403) p. 24; Japan.

Dicyrtomina rufescens nivalis Uchida, 1953

1953. *Dicyrtomina rufescens nivalis* Uchida (2028) p. 3, fig. 4; Japan.

Dicyrtomina rufescens nivosus Uchida, 1959

1959. *Dicyrtomina rufescens nivosus* Uchida (2403) p. 24; Japan.

Dicyrtomina superba Salmon, 1943

TYPE: Dominion Mus., Wellington, N.Z.
1943. *Dicyrtomina superba* Salmon (1681) p. 11, Pl. I, fig. 7; Pl. 2, figs. 35–38; N.Z.
1957. *Dicyrtomina superba* Stach (1895) p. 38; N.Z.

Dicyrtomina tuberculata Womersley, 1933

COTYPES, PARATYPES: Sth. Austr. Mus., Adelaide.
1933. *Dicyrtomina tuberculata* Womersley (2174) p. 246, fig. 8; Australia.
1939. *Dicyrtomina tuberculata* Womersley (2190) p. 259, fig. 75 D-H; Australia.
1957. *Dicyrtomina tuberculata* Stach (1895) p. 41; Australia.

Dicyrtomina turbotti Salmon, 1948

TYPE: Dominion Mus., Wellington, N.Z.
1948. *Dicyrtomina turbotti* Salmon (1687) p. 299, figs. 24–27; Three Kings Is., N.Z.
1957. *Dicyrtomina turbotti* Stach (1895) p. 41; Systematics.

Dicyrtomina variabilis Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Dicyrtomina variabilis* Maynard (1393) p. 278, Pl. XXIV, figs. 432–433, Pl. XXXVI, figs. 647–752; New York.
1957. *Dicyrtomina variabilis* Stach (1895) p. 39; U.S.A.

Dicyrtomina venusta Latzel, 1917

1917. *Dicyrtomina venusta* Latzel (1249) p. 251; Austrian Alps.
1922. *Dicyrtomina venusta* Latzel (1250) p. 77; Austria.
1957. *Dicyrtomina venusta* Stach (1895) p. 36; Carinthia.

Genus: DICYRTOMA Bourlet, 1841 (260) p. XLII.
= *Papirius* Lubbock, 1862 (1314) p. 431.
Type species fixed: *D. fusca* (Lucas) by Börner, 1906 (243) p. 184.

***Dicyrtoma absoloni** *nom. nov.*

1900. *Dicyrtoma violacea* Absolon (3) p. 61; Moravia.

Dicyrtoma albella Wahlgren, 1906

1906. *Dicyrtoma albella* Wahlgren (2080) p. 265; Sweden.
1907. *Dicyrtoma albella* Wahlgren (2082) p. 229; Scandinavia.

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* As the specific name *violacea* in the genus *Dicyrtoma* is pre-occupied by *D. violacea* (Krausbauer) I have here renamed this species after its author.

1931. *Dicyrtima albella* Schött (1780) p. 72; Scandinavia.
1957. *Dicyrtoma albella* Stach (1895) p. 65; Identification.

Dicyrtoma alveolus Lucas, 1846

1846. *Dicyrtoma alveolus* Lucas (1328) p. 255; North Africa.
1847. *Dicyrtoma alveolus* Nicolet (1496) p. 362, Pl. 5, fig. 32; Algeria.
1849. *Dicyrtoma alveolus* Lucas (1329) p. 379; Algeria.
1957. *Dicyrtoma alveolus* Stach (1895) p. 65; Classification.

Dicyrtoma annulata (Becker) 1902

1902. *Papirius annulatus* Becker (158) p. 23 (varieties α, β, γ, δ, ϵ; Russia.

Dicyrtoma annulata ocellata (Becker) 1902

1902. *Papirius annulatus ocellata* Becker (158) p. 23, fig. 6; Russia.

Dicyrtoma atropurpurea Bourlet, 1841

1841. *Dicyrtoma atropurpurea* Bourlet (261) p. 148; France.
1842. *Dicyrtoma atropurpurea* Bourlet (265) p. 55; France.
1844. *Dicyrtoma atropurpurea* Gervais (841) p. 405; France.
1844. *Dicyrtoma atropurpurea* Lucas (1327) p. 298.
1845. *Dicyrtoma atropurpurea* Bourlet (266) p. 68; Europe.
1847. *Dicyrtoma atropurpurea* Nicolet (1496) p. 361; France.
1891. *Dicyrtoma atropurpurea* Parfitt (1550) p. 329; England.
1956. *Dicyrtoma atropupurea* Paclt (1541) p. 134; Biology.
1957. *Dicyrtoma atropurpurea* Stach (1895) p. 65; Identification.

Dicyrtoma carpenteri (Collinge and Shoebotham) 1909

1909. *Papirius carpenteri* Collinge and Shoebotham (470) p. 11, Pl. III, figs. 8–12; England.
1910. *Papirius carpenteri* Collinge (464) p. 13; England.
1933. *Dicyrtoma carpenteri* Turk (2007) p. 95; Britain
1957. *Papirius carpenteri* Stach (1895) p. 83; Systematics.

Dicyrtoma chloropus (Tullberg) 1876

TYPE?: Swed. Mus. Nat. Hist., Stockholm.
1876. *Papirius chloropus* Tullberg (2004) p. 31, Pl. XVIII, fig. 8; Boreal.
1893. *Papirius chloropus* Schött (1765) p. 39; Siberia.
1900. *Papirius chloropus* Schäffer (1738) p. 254; N.W. Siberia.
1938. *Dicyrtoma chloropus* Uchida (2015) p. 9; Japan.
1957. *Dicyrtoma chloropus* Stach (1895) p. 65; Identification.
1960. *Papirius* (*Dicyrtoma*) *chloropus* Grindbergs (2373) p. 64; U.S.S.R.

Dicyrtoma chloropus pallens Börner, 1909

1909. *Dicyrtoma chloropus pallens* Börner (246) p. 129; Japan.
1938. *Dicyrtoma chloropus pallens* Uchida (2015) p. 9; Japan.
1959. *Dicyrtoma chloropus pallens* Uchida (2403) p. 24; Japan.

Dicyrtoma cirtana Lucas, 1846

1846. *Dicyrtoma cirtanus* Lucas (1328) p. 255; North Africa.
1849. *Dicyrtoma cirtana* Lucas (1329) p. 380–; Algeria.
1957. *Dicyrtoma cirtana* Stach (1895) p. 65; Identification.

Dicyrtoma cursor (Lubbock) 1862

1862. *Papirius cursor* Lubbock (1314) p. 436, Pl. XLV, figs. 15–23; England.
1870. *Papirius cursor* Lubbock (1317) p. 281; Switzerland.
1871. *Papirius cursor* Tullberg (2002) p. 146; Sweden.
1872. *Papirius cursor* Tullberg (2003) p. 34; Sweden.
1873. *Papirius fuscus* Lubbock (1318) p. 120, Pl. VIII; France; England.
1876. *Papirius cursor* Reuter (1628) p. 80; Finland.
1890. *Papirius cursor* Reuter (1638) p. 24; Scandinavia.
1890. *Papirius cursor* Uzel (2050) p. 38; Bohemia.
1895. *Papirius cursor* Reuter (1643) p. 14; Finland; Europe; Tunisia.
1899. *Papirius cursor* Carpenter and Evans (402) p. 233; Scotland.
1901. *Papirius cursor* Evans (739) p. 155; Scotland.
1901. *Papirius cursor* Evans (740) p. 152; Scotland.
1908. *Papirius cursor* Evans (741) p. 196; Scotland.
1956. *Papirius cursor* Paclt (1540) p. 355; Europe.
1956. *Papirius cursor* Paclt (1541) pp. 48, 134; Biology.
1959. *Papirius cursor* Paclt (2317) p. 344; Czechoslovakia.

Dicyrtoma curvilineata Wray, 1949

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1949. *Dicyrtoma curvilineata* Wray (2200) p. 64, figs. 19–24; U.S.A.
1950. *Dicyrtoma curvilineata* Wray (2202) p. 8; Nth. Carolina.
1957. *Dicyrtoma curvilineata* Stach (1895) p. 63; Nth. Carolina.

Dicyrtoma denticulata (Folsom) 1899

TYPES: Mus. Comp. Zool., Harvard.
1899. *Papirius denticulatus* Folsom (775) p. 268, Pl. 3, figs. 33–36; Japan.
1931. *Ptenothrix* (*Papirius*) *denticulata* Matsumura and Uchida (1386) p. 1 and fig.; Japan.

*** Dicyrtoma dorsimaculata** Bourlet, 1841

1834. *Sminthurus viridis* Templeton (1957) p. 97; Ireland.
1841. *Dicyrtoma dorsimaculata* Bourlet (260) p. xlii; Europe.
1841. *Dicyrtoma dorsimaculata* Bourlet (261) p. 149, figs. 15, 16; France.
1842. *Dicyrtoma dorsimaculata* Bourlet (262) p. lviii; Europe.
1842. *Dicyrtoma dorsimaculata* Bourlet (265) p. 61; France.

* The species *Dicyrtoma dorsimaculata* described by Bourlet, 1841 (260) p. xli, and again 1842 (263) p. 149, I consider is co-specific with *Sminthurus ornatus* Nicolet, 1842 (1493) p. 83, which is further described and figured by Lubbock, 1873 (1318) pp. 123–127, Pl. 9. The name *dorsimaculata* Bourlet takes priority over the name *ornatus* of Nicolet although the latter name has been more generally used. Both species are described as yellowish with a posterior dorsal black spot on the abdomen. Having in mind the standard of descriptions of these early days, which were based on colours only, we must now regard these two insects as the same under the name *dorsimaculata* Bourlet.

1842. *Dicyrtoma dorsimaculata* Bourlet (263) p. 149; Europe.
1842. *Smynthurus ornatus* Nicolet (1493) p. 83; Pl. 9, figs. 11, 12; Switzerland; Europe.
1842. *Sminthurus coulonii* Nicolet (1493) p. 82; Switzerland.
1842. *Sminthurus ornatus* Nicolet (1493) p. 83; Switzerland.
1844. *Smynthurus ornatus* Gervais (841) p. 402; Europe.
1844. *Sminthurus coulonii* Gervais (841) p. 402; Switzerland.
1844. *Dicyrtoma dorsi-maculata* Gervais (841) p. 405; France.
1844. *Sminthurus ornatus* Lucas (1327) p. 297; Reference.
1844. *Dicyrtoma dorsi-maculata* Lucas (1327) p. 298; Reference.
1845. *Sminthurus ornatus* Bourlet (266) p. 68; Europe.
1845. *Dicyrtoma dorsimaculata* Bourlet (266) p. 68; Europe.
1847. *Sminthurus ornatus* Nicolet (1496) p. 359; Switzerland.
1847. *Dicyrtoma dorsi-maculata* Nicolet (1496) p. 361; France.
1862. *Papirius saundersii* Lubbock (1314) p. 429–; Pl. XLVI, figs. 26–34, 38–43; Europe.
1869. *Smynthurus ornatus* Porath (1608) p. 651; Europe.
1873. *Papirius ornatus* Lubbock (1318) p. 123, Pl. IX; Europe.
1873. *Dicyrtoma dorsimaculata* Lubbock (1318) p. 117; Europe.
1878. *Papirius ornatus* Parona (1557) p. 578; Italy.
1883. *Papirius ornatus* Parona (1558) p. 461; Italy.
1885. *Papirius ornatus* Parona (1560) p. 38; Sardinia.
1887. *Papirius ornatus* Oudemans (1510) p. 97; Holland.
1888. *Papirius ornatus* Parona (1563) p. 136; Italy.
1890. *Papirius ornatus* Uzel (2050) p. 39; Bohemia.
1891. *Papirius ornatus* Parfitt (1550) p. 327; England.
1895. *Papirius minutus couloni* Reuter (1643) p. 15; Finland; Sth. Europe.
1897. *Papirius ornatus* Poppe & Schaeffer (1607) p. 271; Germany.
1897. *Papirius ornatus* Schäffer (1735) p. 206; Germany.
1899. *Papirius minutus coulonii* Carl (351) p. 4; France.
1899. *Sminthurus ornatus* Carpenter & Evans (402) p. 234, Pl. VII, figs. 14, 15; Scotland.
1900. *Papirius minutus Couloni* Lécaillon (1258) p. 73; France.
1900. *Smynthurus ornatus* Vellay (2056) p. 20; Hungary.
1901. *Papirius minutus couloni* Börner (234) p. 125; Germany.
1901. *Papirius minutus ornatus* Börner (234) p. 125; Germany.
1901. *Papirius ornatus* Boyd (268) p. 317; Scotland.
1901. *Papirius minutus coulonii* Carl (354) p. 273; Switzerland.
1901. *Papirius ornatus* Evans (739) p. 155; Scotland.
1901. *Papirius ornatus* Evans (740) p. 152; Scotland.
1901. *Smynthurus ornatus* Krausbauer (1204) p. 60; Germany.
1901. *Papirius minutus couloni* Krausbauer (1204) p. 59; Germany.
1901. *Papirius minutus ornatus* Krausbauer (1204) p. 60, Pl. II, fig. 49 C; Germany.
1902. *Papirius minutus ornatus* Schött (1772) p. 43, Pl. V, figs. 6–9.
1903. *Dicyrtoma minuta ornata* Ågren (55) p. 169; Sweden.
1907. *Dicyrtomina minuta couloni* Axelson (83) p. 134; Finland.
1910. *Papirius ornatus* Collinge (464) p. 13; England.
1910. *Dicyrtomina minuta ornata* Collinge & Shoebotham (472) p. 125; England.
1912. *Dicyrtoma minuta ornata* Brown (296) p. 187; England.
1915. *Dicyrtomina minuta ornata* Ionesco (1105) p. 225; Rumania.
1916. *Dicyrtomina ornata* Carr (407) p. 66; England.
1916. *Dicyrtomina minuta ornata* Ionesco (1106) p. 510; Rumania.
1917. *Dicyrtomina ornata* Cameron (345) p. 50; Cheshire soils.
1920. *Dicyrtomina minuta ornata* Ionesco (1107) p. 36; Rumania.
1920. *Dicyrtomina minuta couloni* Stach (1859) p. 221; Poland.
1921. *Dicyrtomina minuta ornata* Brown (301) p. 143; Isle of Wight.
1923. *Dicyrtoma minuta ornata* Womersley (2147) p. 36; S.W. England.
1927. *Dicyrtomina minuta ornata* Womersley (2153) p. 40; Savernake Forest.
1928. *Dicyrtomina minuta ornata* Womersley (2154) p. 379; S.W. England.
1928. *Dicyrtomina minuta ornata* Jackson (1121) p. 304; Britain.
1929. *Dicyrtoma minuta couloni* Stach (1869) p. 312; Europe.
1930. *Dicyrtoma minuta couloni* Stach (1871) p. 275; Germany.
1930. *Dicyrtomina minuta couloni* Womersley (2165) p. 40; England.
1933. *Dicyrtomina minuta ornatus* Turk (2007) p. 95; Britain.
1935. *Dicyrtomina minuta couloni* Schubert (1791) pp. 110–, 205–, 367–; Germany.
1935. *Dicyrtomina minuta ornata* Schubert (1791) pp. 206–, 376–; Germany.
1937. *Dicyrtoma minuta couloni* Drenowski (695) p. 4; Bulgaria.
1942. *Dicyrtomina minuta ornata* Handschin (1012) p. 443; Palestine, Malta; Nth. Africa; Greece.
1956. *Dicyrtoma dorsimaculata* Paclt (1541) p. 134; Biology.
1957. *Dicyrtomina ornata* Stach (1895) p. 51, Pl. 11, fig. 2; Poland; Ukraine; Slovakia; Bulgaria.
1958. *Dicyrtoma minuta ornata* Miles (1412) p. 638; Wales.
1959. *Dicyrtomina ornata* Stach (1896) p. 56; Poland.
1960. *Dicyrtoma ornata* Grindbergs (2373) p. 62; U.S.S.R.

***Dicyrtoma dorsimaculata nigromaculata** (Lubbock) 1873

1873. *Papirius nigromaculatus* Lubbock (1318) p. 127, Pl. X; Kent.
1891. *Papirius ornatus nigromaculatus* Parfitt (1550) p. 327; Devon.
1956. *Papirius nigromaculatus* Stach (1894) p. 20; Systematics.

* See *D. nigromaculata.*

Dicyrtoma dorsimaculata signata (Stach) 1920

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.

1920. *Dicyrtomina minuta signata* Stach (1859) p. 221; Poland.
1930. *Dicyrtoma minuta signata* Stach (1869) p. 312; Europe.
1957. *Dicyrtomina ornata signata* Stach (1895) p. 57, Pl. 11, figs. 3, 5, 6; Poland; Ukraine; Slovakia.
1959. *Dicyrtomina ornata signata* Stach (1896) p. 56; Poland.
1960. *Dicyrtomina ornata signata* Grindbergs (2373) p. 62; U.S.S.R.

Dicyrtoma flammea Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.

1951. *Dicyrtoma flammea* Maynard (1393) p. 281, Pl. XXIII, fig. 399, Pl. XXXVII, figs. 656–658; New York.
1957. *Dicyrtoma flammea* Stach (1895) p. 62; U.S.A.

Dicyrtoma flavosignata (Tullberg) 1871

TYPE?: Swed. Mus. Nat. Hist., Stockholm.

1871. *Papirius flavo-signatus* Tullberg (2002) p. 146; Sweden.
1872. *Papirius flavo-signatus* Tullberg (2003) p. 35, Pl. III, figs. 37, 38; Sweden.
1876. *Papirius flavo-signatus* Reuter (1628) p. 80; Finland.
1885. *Papirius flavo-signatus* Parona (1560) p. 40; Sardinia.
1888. *Papirius flavosignatus* Parona (1563) p. 137; Italy.
1890. *Papirius flavosignatus* Uzel (2050) p. 39; Bohemia; Italy; Sweden; Finland.
1891. *Papirius flavosignatus* Parfitt (1550) p. 328; England.
1893. *Papirius flavosignatus* Schött (1765) p. 40; Sweden; Finland; Germany; Bohemia; Sardinia.
1895. *Papirius flavosignatus* Reuter (1643) p. 14; Finland; Sweden; Germany; Bohemia; Sardinia.
1901. *Papirius flavosignatus* Krausbauer (1204) p. 57; Germany.
1901. *Papirius flavosignatus* Absolon (11) p. 39; Czechoslovakia.
1901. *Papirius flavosignatus* Absolon (12) p. 113; Systematics.
1902. *Papirius flavosignatus* Becker (158) p. 24; Russia.
1912. *Papirius flavosignatus* Schille (1756) p. 18; Galicia.
1915. *Dicyrtomina minuta flavosignata* Ionesco (1105) p. 224; Roumania.
1916. *Dicyrtomina minuta flavosignata* Ionesco (1106) p. 509; Roumania.
1951. *Dicyrtomina minuta flavosignata* Praport (1610) p. 146; Poland.
1957. *Dicyrtomina minuta flavosignata* Stach (1895) p. 47, Pl. II, III, figs. 7–9.
1959. *Dicyrtomina minuta flavosignata* Stach (1896) p. 55; Poland.
1958. *Dicyrtomina minuta flavosignata* Grindbergs (2276) p. 78; Latvia.

Dicyrtoma flavosignata cinerascens (Reuter) 1891

1891. *Papirius flavosignatus cinerascens* Reuter (1639) p. 231; Finland.

Dicyrtoma flavosignata orcina (Absolon) 1901

1901. *Papirius flavosignatus orcina* Absolon (11) p. 39; Czechoslovakia.
1901. *Papirius flavosignatus orcina* Absolon (12) p. 113; Czechoslovakia.

Dicyrtoma frontalis Banks, 1903

TYPE: Mus. Comp. Zool., Harvard.

1903. *Dicyrtoma frontalis* Banks (139) p. 154; Washington, D.C.
1949. *Dicyrtoma frontalis* Wray (2200) p. 66; North Carolina.
1950. *Dicyrtoma frontalis* Wray (2202) p. 8; North Carolina.
1951. *Ptenothrix frontalis* Maynard (1393) p. 287, Pl. XXXVII, figs. 665–669; New York.
1957. *Dicyrtoma frontalis* Stach (1895) p. 65; Identification.
1957. *Ptenothrix frontalis* Stach (1895) p. 77; U.S.A.

Dicyrtoma fusca (Lucas) 1849

1849. *Smynthurus fuscus* Lucas (1329) p. 376; Algeria.
1862. *Papirius cursor* Lubbock (1314) p. 436; England.
1872. *Papirius sylvaticus* Tullberg (2003) p. 34; Sweden.
1872. *Papirius cursor* Tullberg (2003) p. 34; Sweden.
1873. *Papirius fuscus* Lubbock (1318) p. 120; Europe.
1878. *Papirius fuscus* Parona (1557) p. 577; Italy.
1883. *Papirius fuscus* Parona (1558) p. 461; Italy.
1885. *Papirius fuscus* Parona (1560) p. 39; Sardinia.
1888. *Papirius fuscus* Parona (1563) p. 136; Italy.
1891. *Papirius fuscus* Parfitt (1550) p. 326; England.
1893. *Papirius fuscus* Schött (1765) p. 38; Sweden; Europe; Tunisia.
1895. *Papirius longicornis* Dalla Torre (498) p. 9; Systematics.
1896. *Papirius fuscus* Lie-Pettersen (1281) p. 10; Norway.
1897. *Papirius fuscus* Poppe and Schaeffer (1607) p. 265; Germany.
1897. *Papirius fuscus* Schäffer (1735) p. 206; Germany.
1898. *Papirius fuscus* Lie-Pettersen (1282) p. 8; Norway.
1899. *Papirius fuscus* Carl (351) p. 4; France.
1899. *Papirius fuscus* Carl (352) p. 347; Switzerland.
1899. *Papirius fuscus* Lie-Pettersen (1283) p. 11–; Norway.
1900. *Papirius fuscus* Schäffer (1738) p. 253; N.W. Siberia; Europe; North Africa.
1900. *Papirius fuscus* Schäffer (1739) p. 276; Germany.
1900. *Dicyrtoma fusca* Willem (2123) p. 1–, Pl. XI, figs. 5, 6, 9, Pl. XIV, figs. 6, 7.
1901. *Papirius fuscus* Absolon (11) p. 39; Czechoslovakia.
1901. *Papirius fuscus* Absolon (12) p. 112; Systematics.
1901. *Papirius fuscus* Carl (354) p. 273; Switzerland.
1901. *Papirius fuscus* Börner (234) p. 122, figs. 61, 62; Central Europe.
1901. *Papirius fuscus* Krausbauer (1204) p. 62, fig. 52; Germany.
1902. *Papirius fuscus* Becker (158) p. 22; Russia.
1902. *Papirius fuscus* Schött (1772) p. 41, Pl. VI, fig. 7; Boreal.
1903. *Dicyrtoma fusca* Ågren (55) p. 168; Sweden.
1903. *Dicyrtoma fusca* Axelson (77) p. 1–; Finland.
1904. *Dicyrtoma fusca* Ågren (56) p. 26; Lapland.
1904. *Dicyrtoma fusca* Axelson (79) p. 84; Norway.
1905. *Dicyrtoma fusca* Axelson (81) p. 44; Finland.
1906. *Dicyrtoma fusca* Lie-Pettersen (1284) p. 74; Norway.
1906. *Dicyrtoma albella* Wahlgren (2080) p. 265; Sweden.
1906. *Dicyrtoma fusca* Wahlgren (2080) p. 265; Sweden.
1907. *Dicyrtoma fuscus* Axelson (83) p. 134; Finland.
1907. *Dicyrtoma fusca* Wahlgren (2082) p. 228; Torne lappmark.
1910. *Dicyrtoma fusca* Collinge and Shoebotham (472) p. 124; England.
1911. *Dicyrtoma fusca* Axelson (1291) p. 28; Norway.
1912. *Dicyrtoma fusca* Axelson (1292) p. 324; Finland.
1912. *Papirius fuscus* Dahl (496) p. 420; Ecology.
1915. *Dicyrtoma fusca* Ionesco (1105) p. 225; Roumania.

1916. *Dicyrtoma fuscus* Bartholin (149) p. 205; Denmark.
1916. *Dicyrtoma fuscus* Ionesco (1106) p. 514; Roumania.
1918. *Dicyrtoma fusca* Brown (296) p. 186; England.
1919. *Dicyrtoma fusca* Axelson (1293) p. 15, fig. 11; Arctic Ural.
1919. *Dicyrtoma fusca* Wahlgren (2089) p. 751; Sweden.
1920. *Dicyrtoma fusca* Ionesco (1107) p. 38; Roumania.
1920. *Dicyrtoma fusca* Stach (1859) p. 223; Poland.
1921. *Dicyrtoma fusca* Brown (301) p. 143; Isle of Wight.
1921. *Dicyrtoma fuscus* Denis (607) p. 133; France.
1922. *Dicyrtoma fusca* Latzel (1250) p. 77; Austria.
1922. *Dicyrtoma fusca* Stach (1860) p. 70; Hungary.
1923. *Dicyrtoma fusca* Womersley (2147) p. 36; S.W. England.
1924. *Dicyrtoma fusca* Denis (614) p. 295; France.
1924. *Dicyrtoma fusca* Stach (1864) p. 123, Pl. 2, figs. 1–5; Malta.
1925. *Dicyrtoma fuscus* Denis (617) p. 212; Italy.
1929. *Dicyrtoma fusca* Handschin (1008) p. 124; Europe; Siberia.
1929. *Papirius fuscus* Stach (1869) p. 312; Europe; North Africa.
1930. *Dicyrtoma fusca* Buitendijk (334) p. 75; Holland.
1930. *Papirius fuscus medialis* Stach (1870) p. 82, fig. XV, 19; Spain.
1930. *Dicyrtoma fusca* Womersley (2168) p. 197; Ireland.
1931. *Papirius fuscus* Bonet (205) p. 391; Germany: Czechoslovakia, in caves.
1931. *Dicyrtoma fusca* Denis (639) p. 236; Sardinia; Italy; Germany.
1931. *Dicyrtoma fusca* Lindroth (1286) p. 136; Iceland.
1933. *Dicyrtoma fusca* Schubert (1787) p. 181; Ecology.
1933. *Dicyrtoma fusca* Schubert (1789) p. 2; Germany.
1933. *Dicyrtoma fusca* Turk (2007) p. 95; Britain.
1934. *Dicyrtoma fusca* Agrell (37) p. 236; Ecology, Sweden.
1934. *Dicyrtoma fusca* Perrier (1576) p. 40; France.
1935. *Dicyrtoma fusca* Schubert (1790) p. 97; Europe.
1935. *Dicyrtoma fusca* Schubert (1791) pp. 207–, 369–; Germany.
1936. *Dicyrtoma fusca* Nordberg (1500) p. 34–; Ecology.
1937. *Dicyrtoma fusca* Frenzel (828) p. 305; Ecology.
1937. *Dicyrtoma fusca* Schubert (1792) p. 129; Palaearctic; Germany.
1938. *Dicyrtoma fusca* Kseneman (1220) p. 21; Europe.
1940. *Dicyrtoma fusca* Yosii (2226) p. 189, fig. 4; Japan.
1941. *Dicyrtoma fusca* Agrell (46) p. 20; Swedish Lapland.
1941. *Papirius fuscus* Buitendijk (336) p. 96; Europe; Siberia; Netherlands.
1942. *Papirius fuscus* Marlier (1375) p. 11; Belgium.
1943. *Dicyrtoma fusca* Agrell (47) p. 127; Sweden.
1943. *Dicyrtoma fusca* Gisin (853) p. 183; Switzerland.
1945. *Dicyrtoma fusca* Agrell (50) p. 11; Norway, mouse nests.
1945. *Dicyrtoma fusca* Agrell (50) p. 11; Finland, birds' nests.
1947. *Sminthurus fuscus* Hemming (1040) p. 584; Proposed type species.
1948 *Dicyrtoma fusca* Gisin (869) p. 512; Switzerland; France, Ecology.
1949. *Dicyrtoma fusca* Strenzke (1922) p. 209; Germany, Ecology.
1951. *Dicyrtoma fusca* Praport (1610) p. 146; Poland.
1951. *Dicyrtomina fusca* Schaller (1746) p. 492; Ecology.
1951. *Papirius fuscus* Stach (1889) p. 7–, fig. 1; Poland.
1953. *Dicyrtoma fusca* Weidner (2108) p. 36; Central Europe.
1955. *Dicyrtoma fusca* Chopard (434) p. 27, Pl. I, fig. 23; France.
1955. *Dicyrtoma fusca* Goto (921) p. 268; Britain.
1955. *Dicyrtoma fusca* Uchida (2034) p. 200; Japan.
1955. *Dicyrtoma fusca* Stach (1893) p. 198, figs. 605, 606; Poland; Holarctic.
1956. *Dicyrtoma fusca* Bockemuhl (193) p. 150; Spitzbergen.
1956. *Dicyrtoma fusca* Mayer (1389) p. 138; Reproduction.
1956. *Dicyrtoma fusca* Stevanovic (1903) p. 4–; Yugoslavia.
1957. *Dicyrtoma fusca* Bodvarsson (2252) p. 42; Iceland.
1957. *Dicyrtoma fusca* Mayer (1390) p. 503–; Biology.
1957. *Dicyrtoma fusca* Stach (1895) p. 67, Pl. IV, figs. 1–7; Poland; Russia; Germany; Slovakia.
1958. *Dicyrtoma fusca* Grindbergs (2276) p. 78; Latvia
1958. *Dicyrtoma fusca* Grindbergs (2277) p. 206; Latvia.
1958. *Dicyrtoma fusca* Kholova (1169) p. 235; Bohemia.
1958. *Dicyrtoma fusca* von Torne (1993) p. 674; Austria.
1959. *Dicyrtoma fusca* Stach (1896) p. 57; Poland.
1959. *Dicyrtoma fusca* Uchida (2403) p. 24; Siberia; North Africa; Japan; Europe.
1960. *Dicyrtoma fusca* Gisin (2271) p. 297, fig. 552; Siberia; Lapland; Spain.
1960. *Dicyrtoma fusca* Grindbergs (2373) p. 62; U.S.S.R.

Dicyrtoma fusca cavernicola (Schaeffer) 1900

1900. *Papirius fusca cavernicola* Schaeffer (1739) p. 277; Germany.
1901. *Papirius fuscus cavernicola* Absolon (11) p. 39; Czechoslovakia.
1901. *Papirius fuscus cavernicola* Absolon (12) p. 113; Systematics.
1924. *Dicyrtoma fusca cavernicola* Stach (1864) p. 126; Malta.
1931. *Papirius fusca cavernicola* Bonet (205) p. 392; Germany; Czechoslovakia, in caves.
1957. *Dicyrtoma fusca cavernicola* Stach (1895) p. 71; Systematics.

Dicyrtoma fusca dorsosignata Stach, 1924

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1924. *Dicyrtoma fusca dorsosignata* Stach (1864) p. 125, Pl. II, figs. 1–3; Malta.
1942. *Dicyrtoma fusca dorsosignata* Handschin (1012) p. 443; Palestine; Malta; Greece.

Dicyrtoma fusca flavescens (Axelson) 1902

TYPE: Univ. Mus., Div. Ent., Helsinki.
1902. *Papirius fuscus flavescens* Axelson (76) p. 111; Karelia, N.W. Russia.
1904. *Dicyrtoma fusca flavescens* Axelson (78) p. 12; Siberia.
1907. *Dicyrtoma fusca flavescens* Axelson (83) p. 134; Finland.
1912. *Dicyrtoma fusca flavescens* Axelson (1292) p. 326; Finland.
1915. *Dicyrtoma fusca flavescens* Ionesco (1105) p. 225; Roumania.
1916. *Dicyrtoma fusca flavescens* Ionesco (1106) p. 512; Roumania.
1920. *Dicyrtoma fusca flavescens* Ionesco (1107) p. 38; Roumania.
1955. *Dicyrtoma fusca flavescens* Stach (1893) p. 198, fig. 605; Europe.

1957. *Dicyrtoma fusca flavescens* Stach (1895) p. 71; Poland.
1960. *Dicyrtoma fusca flavescens* Grindbergs (2373) p. 63; U.S.S.R.

Dicyrtoma fusca maculifera Stach, 1957

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1957. *Dicyrtoma fusca maculifera* Stach (1895) p. 70, Pl. IV, fig. 1; Poland.

Dicyrtoma fusca medialis (Stach) 1930

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1930. *Papirius fuscus medialis* Stach (1870) p. 82, Pl XV, fig. 19; Spain.
1957. *Dicyrtoma fuscus medialis* Stach (1895) p. 70; Poland; Ukraine; Roumania.
1960. *Dicyrtoma fusca medialis* Grindbergs (2373) p. 63; U.S.S.R.

Dicyrtoma fusca pallida Stach, 1924

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1924. *Dicyrtoma fusca pallida* Stach (1864) p. 125, Pl. II, fig. 4; Malta.
1942. *Dicyrtoma fusca pallida* Handschin (1012) p. 443; Palestine; Malta; Greece.
1956. *Dicyrtoma fusca pallida* Bockemuhl (193) p. 150; Spitzbergen.

Dicyrtoma fusca sylvatica (Tullberg) 1871

1871. *Papirius sylvaticus* Tullberg (2002) p. 146; Sweden.
1872. *Papirius sylvaticus* Tullberg (2003) p. 1–; Sweden.
1903. *Dicyrtoma fusca sylvatica* Ågren (55) p. 168; Sweden.
1907. *Dicyrtoma fusca sylvatica* Axelson (83) p. 134; Finland.
1912. *Dicyrtoma fusca sylvatica* Axelson (1292) p. 325; Finland.
1915. *Dicyrtoma silvatica* Ionesco (1105) p. 225; Rumania.
1916. *Dicyrtoma fusca sylvatica* Ionesco (1106) p. 512; Rumania.
1920. *Dicyrtoma fusca silvatica* Ionesco (1107) p. 38; Rumania.
1920. *Dicyrtoma fusca sylvatica* Stach (1859) p. 224; Poland.
1921. *Dicyrtoma fusca sylvatica* Denis (607) p. 133; France.
1924. *Dicyrtoma fusca sylvatica* Stach (1864) p. 126; Malta; Poland; Tunisia.
1929. *Papirius fuscus sylvaticus* Stach (1869) p. 312; Europe; Nth. America.
1930. *Dicyrtoma fusca sylvatica* Stach (1871) p. 276; Germany.
1933. *Dicyrtoma fusca silvatica* Schubert (1787) p. 203; Ecology.
1935. *Dicyrtoma fusca sylvatica* Schubert (1791) pp. 223–, 369–; Germany.
1943. *Dicyrtoma fusca sylvatica* Gisin (853) p. 183; Switzerland.
1951. *Dicyrtoma fusca sylvatica* Praport (1610) p. 146; Poland.
1955. *Dicyrtoma fusca silvatica* Stach (1893) p. 198; Europe; Holarctic.
1956. *Dicyrtoma fusca silvatica* Bockemuhl (193) p. 150; Spitzbergen.
1957. *Dicyrtoma fusca silvatica* Stach (1895) p. 71; Europe.
1960. *Dicyrtoma fusca silvatica* Grindbergs (2373) p. 63; U.S.S.R.

Dicyrtoma hageni (Folsom) 1896

TYPE: Mus. Comp. Zool., Harvard.
1896. *Papirius hagenii* Folsom (769) p. 344; Massochusetts.
1907. *Papirius hagenii* Jackson (1115) p. 171; Redescription; U.S.A.
1934. *Dicyrtoma hageni* Folsom (803) p. 472, Pl. I, fig. 4; Pl. XIII, figs. 111-117; Massachusetts.
1949. *Dicyrtoma hageni* Wray (2200) p. 66; N. Carolina.
1957. *Dicyrtoma hageni* Stach (1895) p. 63; U.S.A.

Dicyrtoma hageni vinalis Wray, 1949

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1949. *Dicyrtoma hageni vinalis* Wray (2200) p. 65, figs. 29–33; U.S.A.
1950. *Dicyrtoma hageni vinalis* Wray (2202) p. 8; Nth. Carolina.

Dicyrtoma longicornis (Fourcroy) 1785

1785. *Papirius longicornis* Fourcroy (815) p. 522; Paris.
1895. *Papirius longicornis* Dalla Torre (498) p. 9; Systematics.
1918. *Papirius longicornis* Vellay (2058) p. 20; Hungary.
1929. *Papirius longicornis* Handschin (1008) p. 124; = *Dicyrtoma fusca.*

Dicyrtoma lucasi Nicolet, 1847

1847. *Dicyrtoma lucasii* Nicolet (1496) p. 361, Pl. 5, fig. 31; Pl. 6, fig. 6; Europe.
1957. *Dicyrtoma lucasii* Stach (1895) p. 65; Identification.

Dicyrtoma maculosa (Schött) 1891

1891. *Papirius maculosus* Schött (1762) p. 13, Pl. II, figs. 2–5; California.
1903. *Papirius maculosus* Guthrie (951) p. 58, Pl. I, figs. 1–7; Minnesota.
1907. *Papirius maculosus* Jackson (1115) p. 168; U.S.A.
1930. *Dicyrtoma maculosa* Ionesco (2286) p. 1–; Spain.
1931. *Ptenothrix (Papirius) maculosa* Matsumura & Uchida (1386) p. 1 and fig.
1933. *Dicyrtoma maculosus* James (1124) p. 113; Canada.
1933. *Ptenothrix maculosus* Mills & Rolfs (1431) p. 83; Washington.
1937. *Papirius maculosus* Edinger (712) p. 11; California.
1938. *Ptenothrix maculosa* Uchida (2015) p. 9, Japan.
1942. *Ptenothrix maculosus* Scott (1796) p. 184; West U.S.A.
1957. *Dicyrtoma maculosa* Stach (1895) p. 65; Taxonomy.
1957. *Ptenothrix maculosa* Stach (1895) p. 77; U.S.A.

Dicyrtoma melitensis Stach, 1957

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1957. *Dicyrtoma melitensis* Stach (1895) p. 73, Pl. V, figs. 1-4; Malta.
1960. *Dicyrtoma melitensis* Gisin (2271) p. 297; Malta.

Dicyrtoma mithra Wray, 1949

TYPE: Insect. Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1949. *Dicyrtoma mithra* Wray (2200) p. 63, figs. 8–18; U.S.A.
1950. *Dicyrtoma mithra* Wray (2202) p. 8; Nth. Carolina.
1957. *Dicyrtoma mithra* Stach (1895) p. 64; N. Carolina.

Dicyrtoma nigromaculata (Lubbock) 1862

1862. *Papirius nigromaculatus* Lubbock (1315) p. 589, Pl. LIX, fig. 4; Kent.
1870. *Papirius nigromaculatus* Lubbock (1317) p. 281; Switzerland.
1871. *Papirius nigromaculatus* Tullberg (2002) p. 146; Sweden.
1888. *Papirius nigromaculatus* Parona (1563) p. 137; Italy.
1956. *Papirius nigromaculatus* Stach (1894) p. 20; Systematics.

Dicyrtoma ochreoa Wray, 1949

TYPE: Insect. Surv. Mus., N.C. Dept. Agric., Raleigh, Nth. Carolina.
1949. *Dicyrtoma ochreous* Wray (2200) p. 62, figs. 1–7; U.S.A.
1950. *Dicyrtoma ochreous* Wray (2202) p. 8; N. Carolina.
1957. *Dicyrtoma ochreoa* Stach (1895) p. 63; Nth. Carolina.

Dicyrtoma olympia (MacGillivray) 1894

1894. *Papirius olympius* MacGillivray (1343) p. 110; Washington.
1895. *Papirius olympius* Dalla Torre (498) p. 9; Washington.
1907. *Papirius olympius* Jackson (1115) p. 170; Redescription, U.S.A.

Dicyrtoma oraniensis Lucas, 1846

1846. *Dicyrtoma oraniensis* (Linné) Lucas (1328) p. 255; Algeria.
1849. *Dicyrtoma oraniensis* Lucas (1329) p. 380; Algeria.
1873. *Dicyrtoma oraniensis* Lubbock (1318) p. 119; Algeria.
1957. *Dicyrtoma oraniensis* Stach (1895) p. 65; Identification.

Dicyrtoma palmata (Folsom) 1902

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1902. *Papirius palmatus* Folsom (781) p. 102, Pl. VIII, figs. 54–56; Alaska.
1901. *Papirius setosus* Krausbauer (1204) p. 63; Germany.
1904. *Dicyrtoma palmata* Axelson (78) p. 12, fig. 7; Siberia.
1932. *Ptenothrix palmatus* Brown (312) p. 339; Distribution.
1957. *Ptenothrix palmata* Stach (1895) p. 77; Alaska.
1960. *Dicyrtoma palmata* Grindbergs (2373) p. 64; U.S.S.R.

Dicyrtoma pini (Folsom) 1896

COTYPES: Mus. Comp. Zool., Harvard.
1896. *Papirius pini* Folsom (769) p. 344; Massachusetts.
1907. *Papirius pini* Jackson (1115) p. 172; Redescription, U.S.A.

Dicyrtoma polypoda (Linné) 1767

1767. *Podura polypoda* Linné (1302) p. 1013; Europe.
1775. *Podura polypoda* Müller (1471) p. 1018; Europe.
1793. *Podura polypoda* Fabricius (749) p. 65; Europe.
1835. *Podura polypoda* Lacordaire and Boisduval (196) p. 116; Europe.
1839. *Smynthurus polypodus* Burmeister (339) p. 452; Europe.
1840. *Smynthurus polypodus* Lucas (1326) p. 567; Europe.
1841. *Podura polypoda* Bourlet (261) p. 154; Europe.
1873. *Papirius polypodus* Lubbock (1318) p. 128, Pl. II; England.
1891. *Papirius polypodus* Parfitt (1550) p. 329; England.

Dicyrtoma purpurata Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Dicyrtoma purpurata* Maynard (1393) p. 280, Pl. XXII, fig. 377-B, Pl. LXXXVII, figs. 653–655; New York.
1957. *Dicyrtoma purpurata* Stach (1895) p. 65; U.S.A.

Dicyrtoma pygmaea Wankel, 1860

1860. *Dicyrtoma pygmaea* Wankel (2100) p. 203; Czechoslovakia.
1861. *Dicyrtoma pygmaea* Wankel (2101) p. 256; Austria.
1882. *Dicyrtoma pygmaea* Joseph (1150) p. 28; Germany.
1899. *Dicyrtoma pygmaea* Absolon (2) p. 493; Czechoslovakia.
1900. *Dicyrtoma pygmaea* Absolon (3) p. 61; Czechoslovakia.
1901. *Dicyrtoma pygmaea* Absolon (11) p| 39; Czechoslovakia.
1901. *Dicyrtoma pygmaea* Absolon (12) p. 112; Systematics.

Dicyrtoma pygmaea purpurea Absolon, 1900

1900. *Dicyrtoma pygmaea purpurea* Absolon (3) p. 61; Czechoslovakia.
1901. *Dicyrtoma pygmaea purpurea* Absolon (11) p. 39; Czechoslovakia.
1901. *Dicyrtoma pygmaea purpurea* Absolon (12) p. 112; Czechoslovakia, Systematics.

Dicyrtoma quadrangularis Mills, 1934

TYPE: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Dicyrtoma quadrangularis* Mills (1417) p. 106, figs. 187–189; Iowa.
1957. *Dicyrtoma quadrangularis* Stach (1895) p. 63; Iowa.

Dicyrtoma rufescens (Reuter) 1890

1890. *Papirius rufescens* Reuter (1638) p. 22, Pl. I, fig. 3; Finland.
1893. *Papirius rufescens* Schött (1765) p. 40, Pl. III, figs. 5–7; Finland.
1895. *Papirius rufescens* Reuter (1643) p. 14; Finland.
1902. *Papirius rufescens* Schött (1772) p. 44; Scandinavia.

Dicyrtoma rufescens discolor (Schött) 1902

PARATYPES: Swed. Mus. Nat. Hist., Stockholm.
1902. *Papirius rufescens discolor* Schött (1772) p. 41, Pl. V, figs. 1–5; Scandinavia.

Dicyrtoma saundersi (Lubbock) 1862

1862. *Papirius saundersii* Lubbock (1314) p. 438, Pl. XLVI, figs. 26–34, 38–43; Europe.
1870. *Papirius saundersii* Lubbock (1317) p. 281; Switzerland.
1901. *Papirius saundersii* Krausbauer (1204) p. 61, figs. 50 A-B-C; Germany.
1922. *Dicyrtomina saundersii* Stach (1861) p. 134, Pl. X, figs. 11, 12; Albania.
1957. *Dicyrtomina saundersi* Stach (1895) p. 37; England; Scandinavia.
1960. *Dicyrtoma saundersi* Gisin (2271) p. 549; Europe.

Dicyrtoma silvatica (Tullberg) 1871

1871. *Papirius silvatica* Tullberg (2002) p. 146; Sweden.
1872. *Papirius silvaticus* Tullberg (2003) p. 34; Sweden.
1876. *Papirius silvaticus* Tullberg (2004) p. 31, p. 42; Siberia; Sweden.
1885. *Papirius silvaticus* Parona (1560) p. 39; Sardinia.
1891. *Papirius silvaticus* Reuter (1639) p. 231; Finland.
1893. *Papirius silvaticus* Schött (1765) p. 39; Finland; Sweden; Sardinia.
1895. *Papirius silvaticus* Reuter (1643) p. 14; Finland; Sweden; Sardinia.

1898. *Papirius silvaticus* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Papirius silvaticus* Carl (352) p. 347; Switzerland.
1900. *Papirius silvaticus* Schäffer (1738) p. 254; N.W. Siberia.

Dicyrtoma spelaea Joseph, 1881

1881. *Dicyrtoma spelaea* Joseph (1149) p. 263; South Austria, caves.

Dicyrtoma testudineata (Folsom) 1896

TYPES: Mus. Comp. Zool., Harvard.
1896. *Papirius testudineatus* Folsom (769) p. 345; Massachusetts.
1907. *Papirius testudineatus* Jackson (1115) p. 173; U.S.A.
1928. *Ptenothrix testudineatus* Handschin (1002) p. 547, figs. 34, 35; Add. descr., Mexico.
1933. *Dicyrtoma testudineatus* James (1124) p. 113; Canada.

Dicyrtoma violacea (Krausbauer) 1898

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1898. *Papirius violaceous* Krausbauer (1203) p. 499; Germany.
1901. *Papirius violaceous* Krausbauer (1204) p. 61, fig. 51; Germany.
1912. *Papirius violaceous* Schille (1756) p. 18; Galicia.
1915. *Dicyrtomina minuta violacea* Ionesco (1105) p. 225; Roumania.
1915. *Dicyrtomina violacea* Ionesco (1106) p. 510, fig. 19; Roumania.
1920. *Dicyrtomina minuta violacea* Ionesco (1107) p. 36, fig. 17; Roumania.
1921. *Dicyrtomina signata* Stach (1859) p. 221; Poland.
1925. *Dicyrtomina violacea* Denis (618) p. 583; France.
1935. *Dicyrtomina minuta violacea* Schubert (1791) p. 203; Germany.
1931. *Dicyrtoma violacea* Denis (639) p. 236; Germany; Sardinia.
1957. *Dicyrtomina violacea* Stach (1895) p. 39; Germany; Roumania; France.
1958. *Dicyrtomina minuta violacea* Nosek (1503) p. 358; Czechoslovakia.

Genus: PAPIRIOIDES Folsom, 1924 (796) p. 514.

Type species now designated: *P. jacobsoni* (Folsom) 1924, (796) p. 515, by monotypy.

Papirioides jacobsoni Folsom, 1924

SYNTYPES: Mus. Comp. Zool., Harvard.
1924. *Papirioides jacobsoni* Folsom (796) p. 515, Pl. 5, figs. 42–46; East Indies.
1928. *Papirioides jacobsoni* Handschin (1001) p. 267; Sumatra.

Papirioides uenoi Uchida, 1957

1957. *Papirioides uenoi* Uchida (2037) p. 458, with figs.; Japan.

Genus: PTENOTHRIX Börner, 1906 (243) p. 185.

Type species fixed: *P. atra* (Linné) by Börner, 1906 (243) p. 184.

Ptenothrix atra (Linné) 1758

HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1758. *Podura atra* Linné (1300) p. 608; Europe.
1767. *Podura polypoda* Linné (1302) p. 1013; Europe.
1764. *Podura atra* Müller (1469) p. 89; Europe.
1775. *Podura atra* Müller (1471) p. 1018; Europe.
1776. *Podura atra* Müller (1470) p. 183; Denmark.
1778. *Sminthurus ater* De Geer (532) p. 35, Pl. 3, figs. 7, 8; Europe.
1781. *Podura polypoda* Fabricius (747) p. 381; Germany.
1788. *Podura polypus* Gmelin (910) p. 2908; Europe.
1789. *Podura polypoda* de Villers (2059) p. 4; Europe.
1793. *Sminthurus ater* Fabricius (749) p. 65; Europe.
1803. *Podura atra* Latreille (1243) p. 574; Europe.
1815. *Podura atra* Leach (1254) p. 77; Europe.
1835. *Sminthurus ater* Boisduval and Lacordaire (196) p. 116; Spitzbergen.
1835. *Sminthurus ater* Templeton (1957) p. 97; Ireland
1840. *Smynthurus ater* Kolbing (1189) p. —; Europe.
1840. *Sminthurus ater* Lucas (1326) p. 567; Europe.
1841. *Podura atra* Bourlet (261) p. 152; Europe.
1841. *Podura polypus* Bourlet (261) p. 152; Europe.
1842. *Podura atra* Bourlet (265) p. 58; Europe.
1842. *Podura polypus* Bourlet (265) p. 58; Europe.
1844. *Smynthurus polypodus* Gervais (841) p. 404; Sweden.
1844. *Smynthurus ater* Gervais (841) p. 403, Pl. 51, fig. 5; Sweden.
1847. *Sminthurus ater* Nicolet (1496) p. 359; Europe.
1871. *Papirius ater* Tullberg (2002) p. 146; Sweden.
1872. *Papirius ater* Tullberg (2003) p. 34, Pl. III, figs. 26–36; Sweden.
1876. *Papirius ater* Reuter (1628) p. 80; Finland.
1888. *Papirius ater* Parona (1563) p. 137; Italy.
1890. *Papirius ater* Uzel (2050) p. 38; Bohemia.
1893. *Papirius ater* Schött (1765) p. 38; Sweden; Finland; Denmark; Germany; Austria.
1896. *Papirius ater* Lie-Pettersen (1281) p. 10; Norway.
1895. *Papirius ater* Reuter (1643) p. 14; Finland; North and Mid. Europe; Hungary.
1897. *Papirius ater* Schäffer (1735) p. 206; Germany.
1898. *Sminthurus ater* Scherbakow (1750) p. 60; Kiev, Russia.
1899. *Papirius ater* Carl (351) p. 4; France.
1900. *Papirius ater* Axelson (75) p. 122; Finland.
1900. *Papirius ater* Vellay (2056) p. 20; Hungary.
1902. *Papirius ater* Becker (158) p. 22; Russia.
1902. *Papirius ater* Schött (1772) p. 40, Pl. VI, figs. 4–6; Boreal.
1903. *Dicyrtoma atra* Ågren (55) p. 169; Sweden.
1905. *Dicyrtoma atra* Axelson (81) p. 44; Finland.
1906. *Dicyrtoma atra* Wahlgren (2080) p. 265, fig. 26; Sweden.
1908. *Ptenothrix ater* Schille (1755) p. 15; Poland.
1907. *Ptenothrix atra* Axelson (83) p. 134; Finland.
1912. *Ptenothrix atra* Axelson (1292) p. 327; Finland.
1912. *Papirius ater* Schille (1756) p. 18; Galicia.
1915. *Ptenothrix atra* Ionesco (1105) p. 225; Roumania.
1916. *Ptenothrix atra* Bartholin (149) p. 206; Denmark.
1916. *Ptenothrix atra* Ionesco (1106) p. 512; Roumania.
1918. *Papirius ater* Vellay (2058) p. 20; Hungary.
1920. *Ptenothrix atra* Ionesco (1107) p. 38; Roumania.
1922. *Ptenothrix atra* Latzel (1250) p. 78; Ostalpen and Karstes.
1923. *Ptenothrix atra* Stach (1863) p. 16; Germany.
1923. *Ptenothrix atra* Womersley (2147) p. 36; S.W. England.
1924. *Ptenothrix atra* Denis (614) p. 295; France.
1924. *Ptenothrix atra* Houlbert (1078) p. 145; Europe.
1925. *Ptenothrix atra* Denis (617) p. 212; Italy.
1925. *Ptenothrix atra* Handschin (986) p. 234; Germany; Europe.
1928. *Ptenothrix atra* Handschin (1003) p. 133; Germany.
1929. *Ptenothrix atra* Handschin (1008) p. 125; Europe.
1929. *Ptenothrix atra* Stach (1869) p. 312; Hungary.
1930. *Dicyrtoma atra* Kel'shtein (1161) p. 78; Russia.
1930. *Ptenothrix atra* Womersley (2165) p. 40; England.
1931. *Ptenothrix ater* Denis (639) p. 237; Germany.
1932. *Ptenothrix ater* Denis (641) p. 380; France.
1933. *Ptenothrix atra* Schubert (1787) p. 187; Ecology.
1933. *Ptenothrix atra* Turk (2007) p. 95; Britain.

1934. *Dicyrtoma atra* Perrier (1576) p. 40; France.
1941. *Ptenothrix atra* Szent-Ivany (1947) p. 25; Hungary.
1944. *Ptenothrix atra* Bakker (133) p. 66.
1944. *Dicyrtoma atra* Colas (456) p. 37, Pl. XII, fig. 198.
1948. *Ptenothrix ater* Denis (677) p. 12; Corsica.
1949. *Ptenothrix atra* Strenzke (1922) p. 209; Germany.
1949. *Ptenothrix atra* Yosii (2228) p. 34; Outer Mongolia.
1951. *Ptenothrix atra* Praport (1610) p. 146; Poland.
1955. *Ptenothrix atra* Chopard (434) p. 27, Pl. I, fig. 24; France.
1955. *Ptenothrix atra* Stach (1893) p. 198, figs. 607, 608; Europe.
1955. *Ptenothrix atra* Uchida (2034) p. 200; Japan.
1957. *Smynthurus ater* Mayer (1390) p. 543; Biology.
1957. *Ptenothrix atra* Stach (1895) p. 86, Pl. VI; Poland; Slovakia; Russia.
1958. *Ptenothrix atra* Grindbergs (2276) p. 78; Latvia.
1958. *Ptenothrix atra* Grindbergs (2277) p. 206; Latvia.
1958. *Ptenothrix atra* Kholova (1169) p. 235; Bohemia.
1959. *Ptenothrix atra* Stach (1896) p. 57; Poland.
1959. *Ptenothrix atra* Uchida (2403) p. 25; Japan.
1960. *Dicyrtoma atra* Gisin (2271) p. 298, fig. 553; Europe.
1960. *Dicyrtoma atra* Grindbergs (2373) p. 63; U.S.S.R.

Ptenothrix atra dorsalis (Reuter) 1876

1876. *Papirius dorsalis* Reuter (1628) p. 85; Finland.
1888. *Papirius ater albosignata* Parona (1563) p. 133–; Liguria.
1895. *Papirius dorsalis* Reuter (1643) p. 14; Finland.
1900. *Papirius ater dorsalis* Axelson (75) p. 122.
1903. *Papirius ater dorsalis* Ågren (55) p. 169; Sweden.
1903. *Papirius annulatus* Becker (159) p. 5; Morphology.
1903. *Dicyrtoma setosa ceratoleucaspis* Börner (239) p. 167.
1907. *Ptenothrix atra* Axelson (83) p. 134; Finland.
1912. *Ptenthrix atra dorsalis* Axelson (1292) p. 328; Finland.
1915. *Ptenothrix atra dorsalis* Ionesco (1105) p. 225; Roumania.
1916. *Ptenothrix atra nigricornis* Ionesco (1106) p. 512; Roumania.
1920. *Ptenothrix atra dorsalis* Ionesco (1107) p. 38; Roumania.
1922. *Ptenothrix atra dorsalis* Latzel (1250) p. 78; Austrian Alps.
1928. *Ptenothrix atra dorsalis* Handschin (1003) p. 133; East Prussia.
1930. *Ptenothrix atra dorsalis* Stach (1869) p. 312; Sweden; Finland.
1957. *Ptenothrix atra dorsalis* Stach (1895) p. 90; Systematics.
1958. *Ptenothrix atra dorsalis* Grindbergs (2276) p. 78; Latvia.
1958. *Ptenothrix atra dorsalis* Grindbergs (2277) p. 206; Latvia.

Ptenothrix atra flavescens (Axelson) 1905

TYPE: Univ. Mus., Div. Ent., Helsinki.
1905. *Dicyrtoma atra flavescens* Axelson (80) p. 794; Finland.
1907. *Ptenothrix atra flavescens* Axelson (83) p. 134; Finland.
1912. *Ptenothrix atra flavescens* Axelson (1292) p. 329; Finland.
1957. *Ptenothrix atra flavescens* Stach (1895) p. 91.

Ptenothrix atra nigricornis Ionesco, 1916

1916. *Ptenothrix atra dorsalis* Ionesco (1106) p. 512; Roumania.
1957. *Ptenothrix atra nigricornis* Stach (1895) p. 91.

Ptenothrix atra ocellata (Becker) 1902

1902. *Papirius annulatus ocellata* Becker (158) p. 19; Russia.
1905. *Papirius flavosignatus* Becker (160) p. 95; Russia.
1960. *Dicyrtoma atra ocellata* Grindbergs (2373) p. 63; U.S.S.R.

Ptenothrix atra picta (Börner) 1909

1909. *Ptenothrix setosa picta* Börner (246) p. 131; Japan.
1938. *Ptenothrix setosa picta* Uchida (2015) p. 9; Japan.
1952. *Ptenothrix atra picta* Uchida (2027) p. 4; Japan.
1959. *Ptenothrix atra picta* Uchida (2403) p. 25; Japan.

Ptenothrix atra setosa (Harvey) 1893

1893. *Papirius unicolor* Harvey (1029) p. 65; U.S.A.
1909. *Ptenothrix setosa janthina* Börner (246) p. 132; Japan.
1929. *Ptenothrix atra setosa* Handschin (1008) p. 125; Europe.
1952. *Ptenothrix atra setosa* Uchida (2027) p. 3; Japan.
1958. *Ptenothrix atra setosa* Grindbergs (2276) p. 78; Latvia.
1958. *Ptenothrix atra setosa* Grindbergs (2277) p. 206; Latvia.

Ptenothrix aurata Mills, 1934

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1934. *Ptenothrix aurata* Mills (1417) p. 107, figs. 178–183; Iowa.
1942. *Ptenothrix aurata* Brimley (276) p. 4; N. Carolina.
1942. *Ptenothrix aurata* Mills (1423) p. 4; N. Carolina.
1957. *Ptenothrix aurata* Stach (1895) p. 76; U.S.A.

Ptenothrix ciliata Stach, 1957

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1957. *Ptenothrix ciliata* Stach (1895) p. 102, Pl. VIII, figs. 1–5; Poland; Ukraine.
1960. *Dicyrtoma ciliata* Gisin (2271) p. 299; Poland; Ukraine.
1960. *Dicyrtoma ciliata* Grindbergs (2373) p. 63; U.S.S.R.

Ptenothrix cavicola Cassagnau and Delamare Deboutteville, 1955

TYPES: Auth. Collns., Fac. Sci., Univ. Toulouse and Univ. Nancy, France.
1955. *Ptenothrix cavicola* Cassagnau & Delamare Deboutteville (428) p. 365, fig. 17; Lebanon.
1957. *Ptenothrix cavicola* Stach (1895) p. 80; Lebanon.
1960. *Dicyrtoma cavicola* Gisin (2271) p. 299; Lebanon.

Ptenothrix corynophora Börner, 1909

TYPE: Brit. Mus. Nat. Hist., London.
1909. *Ptenothrix corynophora* Börner (246) p. 130; Japan.
1932. *Ptenothrix corynophora* Kinoshita (1178) p. 2126, and fig; Japan.
1938. *Ptenothrix corynophora* Uchida (2015) p. 9; Japan.
1950. *Ptenothrix corynophora* Kinoshita & Uchida (1179) p. 21 and fig; Japan.
1954. *Ptenothrix corynophora* Yosii (2231) p. 822, fig. 35; Japan.
1957. *Ptenothrix corynephora* Stach (1895) p. 78; Japan.
1957. *Ptenothrix corynophora* Uchida (2038) p. 28, fig. 4; Japan.
1959. *Ptenothrix corynophora* Uchida (2403) p. 25; Japan.

Ptenothrix corynophora cincta Börner, 1909

1909. *Ptenothrix corynophora cincta* Börner (246) p. 130; Japan.
1938. *Ptenothrix corynophora cincta* Uchida (2015) p. 9; Japan.
1959. *Ptenothrix corynophora cincta* Uchida (2403) p. 26; Japan.

Ptenothrix corynophora sellata Börner, 1909

1909. *Ptenothrix corynophora sellata* Börner (246) p. 130; Japan.
1938. *Ptenothrix corynophora sellata* Uchida (2015) p. 9; Japan.
1959. *Ptenothrix corynophora sellata* Uchida (2403) p. 26; Japan.

Ptenothrix corynophora shibanaii Yosii, 1955

TYPE: Osaka Mun. Mus., Osaka, Japan.
1955. *Ptenothrix corynophora shibanaii* Yosii (2233) p. 400, fig. 10; Tokara Islands.

Ptenothrix denticulata (Folsom) 1899

PARATYPES: U.S. Nat. Mus., Washington; Mus. Comp. Zool., Harvard, U.S.A.
1899. *Papirius denticulatus* Folsom (775) p. 268, Pl. 3, figs. 33–36; Japan.
1909. *Ptenothrix denticulata* Börner (246) p. 131; Japan.
1932. *Ptenothrix denticulata* Kinoshita (1178) p. 2125, and fig.; Japan.
1938. *Ptenothrix* (*Papirius*) *denticulata* Uchida (2015) p. 9; Japan.
1950. *Ptenothrix denticulata* Kinoshita & Uchida (1179) p. 21 and fig.; Japan.
1954. *Ptenothrix denticulata* Uchida (2030) p. 10; Japan.
1954. *Ptenothrix denticulata* Yosii (2231) p. 824, fig. 36; Japan.
1957. *Ptenothrix denticulata* Stach (1895) p. 78; Japan.
1959. *Ptenothrix denticulata* Uchida (2403) p. 26; Japan.

Ptenothrix denticulata catenata Börner, 1909

1909. *Ptenothrix denticulata catenata* Börner (246) p. 131; Japan.
1938. *Ptenothrix* (*Papirius*) *denticulata catenata* Uchida (2015) p. 9; Japan.

Ptenothrix dubia Folsom, 1932

TYPE ?: Hawaii Ent. Soc., Honolulu.
1932. *Ptenothrix dubia* Folsom (801) p. 74, Pl. 12, figs. 133–136; Honolulu.
1940. *Ptenothrix dubia* Mumford (1472) p. 266; Hawaii.
1948. *Ptenothrix dubia* Zimmerman (2237) p. 68, fig. 35 A-D; Hawaii.
1957. *Ptenothrix dubia* Stach (1895) p. 79; Hawaii.

Ptenothrix fasciata Womersley, 1932

COTYPE: Sth. Austr. Mus., Adelaide.
1932. *Ptenothrix fasciatus* Womersley (2172) p. 40, fig. 19 A-F; Australia.
1939. *Ptenothrix fasciatus* Womersley (2190) p. 261, fig. 75 I-N; W. Australia.
1957. *Ptenothrix fasciata* Stach (1895) p. 82; W. Australia.

Ptenothrix fiscellata Handschin, 1925

1925. *Ptenothrix fiscellata* Handschin (985) p. 264, figs. 87–90; Sumatra.
1926. *Ptenothrix fiscellata* Handschin (993) p. 461; Java.
1928. *Ptenothrix fiscellata* Handschin (1001) p. 267; Java and Sumatra.
1957. *Ptenothrix fiscellata* Stach (1895) p. 76; Sumatra.

Ptenothrix gracilicornis (Schaeffer) 1898

1898. *Sminthurus gracilicornis* Schaeffer (1737) p. 423; Bismarck Archipelago.
1957. *Ptenothrix gracilicornis* Stach (1895) p. 84; Comment.

Ptenothrix gracilicornis gibbosa Börner, 1906

1906. *Ptenothrix gracilicornis gibbosa* Börner (243) p. 185; Java.
1925. *Ptenothrix gracilicornis gibbosa* Handschin (985) p. 267; Java.
1928. *Ptenothrix gracilicornis gibbosa* Handschin (1001) p. 267; Java.
1957. *Ptenothrix gracilicornis gibbosa* Stach (1895) p. 84; Systematics.

Ptenothrix lactea Uchida, 1953

1953. *Ptenothrix lactea* Uchida (2028) p. 5, fig. 5; Japan.
1957. *Ptenothrix lactea* Stach (1895) p. 76; Japan.
1959. *Ptenothrix lactea* Uchida (2403) p. 26; Japan.

Ptenothrix leucostrigata Stach, 1957

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1957. *Ptenothrix leucostrigata* Stach (1895) p. 98, Pl. VIII, figs. 6–8; Poland; Russia.
1959. *Ptenothrix leucostrigata* Stach (1896) p. 57; Poland.
1960. *Dicyrtoma leucostrigata* Gisin (2271) p. 298; Poland.
1960. *Dicyrtoma leucostrigata* Grindbergs (2373) p. 63; U.S.S.R.

Ptenothrix marmorata (Packard) 1873

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
COTYPES: Mus. Comp. Zool., Harvard.
1873. *Papirius marmoratus* Packard (1521) p. 42; Maine; Massachusetts.
1891. *Papirius marmoratus* MacGillivray (1341) p. 271; N.E. United States.
1893. *Papirius marmoratus* Harvey (1029) p. 65, Pl. I; U.S.A.
1895. *Papirius marmoratus* Dalla Torre (498) p. 9; U.S.A.
1896. *Papirius testudineatus* Folsom (769) p. 345; U.S.A.
1907. *Papirius marmoratus* Jackson (1115) p. 167; U.S.A.
1909. *Papirius marmoratus* Dow and Smith (692) p. 35; New Jersey.
1928. *Ptenothrix marmoratus* Folsom (800) p. 11–; New York.
1928. *Ptenothrix testudineatus* Handschin (1002) p. 547, figs. 34, 35; Mexico.
1934. *Ptenothrix marmoratus* Folsom (803) p. 475, Pl. II, figs. 7, 8, Pl. XV, figs. 138–143; Nth. America.
1934. *Ptenothrix marmorata* Mills (1417) p. 108; Iowa, U.S.A.; Canada.
1938. *Ptenothrix marmoratus* Brimley (275) p. 17; Nth. Carolina.
1939. *Ptenothrix marmoratus* Mills (1422) p. 161; Nth. America.
1951. *Ptenothrix marmorata* Maynard (1393) p. 1–, Pl. XXIV, fig. 434, Pl. XXXVII, fig. 664; New York.
1952. *Ptenothrix marmorata* Uchida (2027) p. 31–; Japan.
1954. *Ptenothrix marmorata* Uchida (2031) p. 64; Japan.
1955. *Ptenothrix marmorata* Uchida (2034) p. 200; Japan.

1957. *Ptenothrix marmorata* Stach (1895) p. 83; U.S.A.; Canada.
1959. *Ptenothrix marmorata* Uchida (2403) p. 25; Japan.
1959. *Ptenothrix marmorata* Wilkey (2349) p. 224; California.

Ptenothrix mirabilis Denis, 1929

TYPE: Lab. Zool., Fac. Sci., Dijon, France.
1929. *Ptenothrix mirabilis* Denis (633) p. 319, fig. XI; Fukien, China.
1940. *Ptenothrix mirabilis* Yosii (2225) p. 118; Formosa.
1955. *Ptenothrix mirabilis* Uchida (2034) p. 200; Japan.
1957. *Ptenothrix mirabilis* Stach (1895) p. 79; China.
1957. *Ptenothrix mirabilis* Uchida (2037) p. 458; Japan.
1959. *Ptenothrix mirabilis* Uchida (2403) p. 26; Formosa; South China.

Ptenothrix mongolica Yosii, 1954

TYPE: Osaka Mun. Mus., Osaka, Japan.
1954. *Ptenothrix mongolica* Yosii (2231) p. 827, fig. 38; Japan.
1957. *Ptenothrix mongolica* Stach (1895) p. 84; Systematics.

Ptenothrix narumii Uchida, 1940

1940. *Ptenothrix narumii* Uchida (2018) p. 9; Manchuria.
1940. *Ptenothrix narumii* Uchida (2019) p. 1, Pl. II.
1957. *Ptenothrix narumii* Stach (1895) p. 84.
1959. *Ptenothrix narumii* Uchida (2403) p. 26; Manchuria.

Ptenothrix olympia (MacGillivray) 1894

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
1894. *Papirius olympius* MacGillivray (1343) p. 110; North America.
1933. *Ptenothrix olympius* Mills and Rolfs (1431) p. 83; Washington.
1934. *Ptenothrix olympia* Folsom (803) p. 473, Pl. II, figs. 5, 6, Pl. XIV, figs. 129–134; Washington.
1942. *Ptenothrix olympia* Scott (1796) p. 184; West U.S.A.
1957. *Ptenothrix olympia* Stach (1895) p. 83; West U.S.A.

Ptenothrix oswegatchiensis Maynard, 1951

TYPE: U.S. Nat. Mus., Washington, D.C.
1951. *Ptenothrix oswegatchiensis* Maynard (1393) p. 283, Pl. XXIV, fig. 435, Pl. XXXVII, figs. 659–661; New York.
1957. *Ptenothrix oswegatchiensis* Stach (1895) p. 82; U.S.A.

Ptenothrix pineolae Wray, 1946

TYPE: Insect Surv. Mus., N.C. Dept. Agric., Raleigh, North Carolina.
1946. *Ptenothrix pineolae* Wray (2198) p. 82, figs. 17–22; North Carolina.
1950. *Ptenothrix pineolae* Wray (2202) p. 8; North Carolina.
1957. *Ptenothrix pineolae* Stach (1895) p. 81; North Carolina.

Ptenothrix pulchella Handschin, 1928

1928. *Ptenothrix pulchellus* Handschin (1001) pp. 263, 267, figs. 31–35; Java.
1957. *Ptenothrix pulchellus* Stach (1895) p. 77; Java.

Ptenothrix reticulata Stach, 1957

TYPE: Inst. Syst. Zool., Polish Acad. Sci., Cracow.
1957. *Ptenothrix reticulata* Stach (1895) p. 105, Pl. IX; West Ukraine.
1960. *Dicyrtoma reticulata* Gisin (2271) p. 299; Ukraine.
1960. *Dicyrtoma reticulata* Grindbergs (2373) p. 63; U.S.S.R.

Ptenothrix ryoheii Uchida, 1953

1953. *Ptenothrix ryoheii* Uchida (2028) p. 8, fig. 7; Japan.
1957. *Ptenothrix ryoheii* Stach (1895) p. 79; Japan.

Ptenothrix setosa (Krausbauer) 1898

COTYPE: Brit. Mus. Nat. Hist., London.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1898. *Papirius setosa* Krausbauer (1203) p. 50; Germany.
1901. *Papirius setosa* Krausbauer (1204) p. 63, figs. 53–57; Germany.
1902. *Papirius palmatus* Folsom (781) p. 102, Pl. VII, figs. 54–56; Alaska.
1903. *Dicyrtoma setosa* Börner (239) p. 167; Synonymy.
1908. *Papirius setosus* Schille (1755) p. 15; Poland.
1912. *Papirius setosus* Schille (1756) p. 18; Galicia.
1920. *Ptenothrix setosa* Stach (1859) p. 224; Poland; Germany.
1930. *Ptenothrix setosa* Stach (1869) p. 312; Germany; Poland.
1931. *Ptenothrix setosa* Bonet (205) pp. 371, 392; Europe; America; Spain, in caves.
1931. *Ptenothrix setosa* Denis (638) p. 159, figs. 206–211; Costa Rica; Synonymy.
1932. *Ptenothrix setosa* Denis (641) p. 380; France.
1942. *Ptenothrix setosa* Marlier (1375) p. 11; Belgium.
1948. *Ptenothrix setosa* Franz and Beier (821) p. 453–; Ecology.
1954. *Ptenothrix setosa* Yosii (2231) p. 826, fig. 37; Japan.
1957. *Ptenothrix setosa* Stach (1895) p. 92, Pl. VII; Poland; Ukraine.
1958. *Ptenothrix atra setosa* Grindbergs (2277) p. 206; Latvia.
1960. *Dicyrtoma setosus* Gisin (2271) p. 298, fig. 554; Germany; Ukraine; Poland.
1960. *Dicyrtoma setosa* Grindbergs (2373) p. 63; U.S.S.R.

Ptenothrix setosa ceratoleucaspis Börner, 1903

LECTOTYPE, PARATYPE: Brit. Mus. Nat. Hist., London.
1903. *Ptenothrix setosa ceratoleucaspis* Börner (239) p. 167; Germany.

Ptenothrix setosa janthina Börner, 1909

1909. *Ptenothrix setosa janthina* Börner (246) p. 132; Japan.
1938. *Ptenothrix setosa janthina* Uchida (2015) p. 9; Japan.
1954. *Ptenothrix setosa janthina* Yosii (2231) p. 827; Japan.

Ptenothrix tateyamana Uchida, 1958

1958. *Ptenothrix tateyamana* Uchida (2043) p. 76 with figs.; Japan.

Ptenothrix texensis (Packard) 1873

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois; Mus. Comp. Zool., Harvard.
1873. *Papirius texensis* Packard (1521) p. 42; Texas.
1891. *Papirius texensis* MacGillivray (1341) p. 271; Texas.
1895. *Papirius texensis* Dalla Torre (498) p. 9; Texas.
1896. *Papirius texensis* Folsom (770) p. 384; Texas.
1907. *Papirius texensis* Jackson (1115) p. 167; Redescription, U.S.A.
1934. *Ptenothrix texensis* Folsom (803) p. 474, Pl. XIV, fig. 135, Pl. XV, figs. 136, 137; Redescription, Texas.
1957. *Ptenothrix texensis* Stach (1895) p. 80; Texas.

Ptenothrix tricycla Uchida, 1953

1953. *Ptenothrix tricycla* Uchida (2028) p. 7, fig. 6; Japan.
1957. *Ptenothrix tricycla* Stach (1895) p. 81; Japan.

Ptenothrix tsutsuii Yosii, 1955

TYPE: Auth. Colln., Yoshida Coll., Kyoto Univ., Japan.
1955. *Ptenothrix tsutsuii* Yosii (2233) p. 398, fig. 9 A-J; Tokara Islands.
1957. *Ptenothrix tsutsuii* Stach (1895) p. 78; Japan.

Ptenothrix unicolor (Harvey) 1893

COTYPES: Illinois State Nat. Hist. Survey, Urbana, Illinois.
HYPOTYPE: Lab. Zool., Fac. Sci., Dijon, France.
1893. *Papirius unicolor* Harvey (1029) p. 65, Pl. I, figs. 1–3; U.S.A.
1894. *Papirius purpurascens* MacGillivray (1243) p. 109; Long Island.
1895. *Papirius unicolor* Dalla Torre (498) p. 9; U.S.A.
1896. *Papirius pini* Folsom (769) p. 344–; Nth. America.
1899. *Dicyrtoma unicolor* Banks (138) p. 197; Long Island, New York.
1903. *Papirius unicolor* Guthrie (951) p. 59; Minnesota.
1907. *Papirius unicolor* Jackson (1115) p. 169, Pls. XI, XII; U.S.A.
1909. *Papirius unicolor* Dow and Smith (692) p. 35; New Jersey.
1928. *Ptenothrix unicolor* Folsom (803) p. 472, Pl. XIII, figs. 118–122, Pl. XIV, figs. 123–128; Nth. America.
1933. *Ptenothrix unicolor* Denis (645) p. 310, figs. 145–146; Description.
1933. *Dicyrtoma unicolor* James (1124) p. 113; Canada.
1934. *Ptenothrix unicolor* Mills (1417) p. 108, figs. 184–186; Iowa, U.S.A.; Canada.
1937. *Papirius unicolor* Edinger (712) p. 11; California.
1939. *Ptenothrix unicolor* Bueker (332) p. 23, figs. 29–31; St Louis, U.S.A.
1942. *Ptenothrix unicolor* Brimley (276) p. 4; North Carolina.
1948. *Ptenothrix unicolor* Spencer (1851) p. 22; Canada.
1950. *Ptenothrix unicolor* Wray (2216) p. 64; Utah.
1951. *Ptenothrix unicolor* Maynard (1393) p. 282, Pl. XXIV, fig. 430, Pl. XXXVII, figs. 662, 663; New York.
1954. *Ptenothrix unicolor* Bellinger (174) p. 25; Connecticut.
1957. *Ptenothrix unicolor* Stach (1895) p. 80; U.S.A.; Costa Rica.

Ptenothrix vinnula Uchida, 1957

1957. *Ptenothrix vinnula* Uchida (2038) p. 26, fig. 3; Japan.

Ptenothrix violacea Handschin, 1929

TYPE, PARATYPES: Brit. Mus. Nat. Hist., London.
1929. *Ptenothrix violaceus* Handschin (1007) p. 26, figs. 28, 29; Abyssinia.
1957. *Ptenothrix violacea* Stach (1895) p. 78; Abyssinia.

Ptenothrix vittata (Folsom) 1896

COTYPES: Mus. Comp. Zool., Harvard; Illinois State Nat. Hist. Survey, Urbana, Illinois.
1896. *Papirius vittatus* Folsom (771) p. 119; Massachusetts.
1907. *Papirius vittatus* Jackson (1115) p. 173; U.S.A.
1934. *Ptenothrix vittata* Folsom (803) p. 475, Pl. XVI, figs. 144–151; Redescription, U.S.A.
1942. *Ptenothrix vittata* Scott (1796) p. 184; West U.S.A.
1957. *Ptenothrix vittata* Stach (1895) p. 80; U.S.A.

FOSSIL COLLEMBOLA

Family: PROTENTOMOBRYIDAE Folsom, 1937 (805) p. 15.

Genus: PROTENTOMOBRYA Folsom, 1937 (805) p. 15.

Type species fixed: *P. walkeri* by Folsom, 1937 (805) p. 17.

Protentomobrya walkeri Folsom, 1937

1937. *Protentomobrya walkeri* Folsom (805) p. 17, fig. 1; in amber, Canada.
1956. *Protentomobrya walkeri* Paclt (1541) p. 2, fig. 3; Biology.

Genus: RHYNIELLA Hirst and Maulik, 1926 (1064) p. 69.

Type species fixed: *R. praecursor* Hirst and Maulik, by Tillyard, 1928 (1977) p. 69.

Rhyniella praecursor Hirst and Maulik, 1928

1928. *Rhyniella praecursor* Hirst and Maulik (1064) p. 71, Pl. VII, A, B, E, F; Devon.
1928. *Rhyniella praecursor* Tillyard (1977) p. 69, figs. 1, 2; Devon.
1940. *Rhyniella praecursor* Scourfield (1801) p. 113; England.
1940. *Rhyniella praecursor* Scourfield (1802) p. 799; England.
1955. *Rhyniella praecursor* Handschin (1015) p. 41–; Systematics.
1955. *Rhyniella praecursor* Remington (1623) p. 501; England.
1956. *Rhyniella praecursor* Paclt (1541) p. 1, fig. 1.
1958. *Rhyniella cursor* Handschin (1016) p. 499–; Devon.

ERRATA

Page 163—Delete *Onychiuroides* as syn. of *Protaphorura* and add as syn. to *Paronychiurus* p. 185.

Page 184—Insert after *O. reluctus*:
Onychiurus rendsinae Haybach, 1962.
1962. *Onychiurus rendsinae* Haybach (2591), p. 94; Austria.

Page 189—(1) read (2540) as bibliography number for *Biscoia* (2503).
(2) read (2540) for ***Biscoia sudpolaris*** (2503) in species list.

Page 203—(1) Under *Hypogastrura* read *Achorutes* Templeton, 1835 (1957). Not 1842.
(2) Under *Hypogastrura* add *Achoreutes* Templeton, 1842 (1958) p. 306, ***ad partem,*** as additional synonym.

Page 255—Read *Achoreutes* for *Achorutes* Guérin, under ***Anurida.***

Page 276—*Ceratrimeria delamarei* nom. nov. should follow *C. caudata.*

Page 296—Read *Wrayella* Salmon, 1956 (1713) p. 5; delete gen. nov.

Page 353—Insert after *P. fitchioides*:
Proisotoma franzi Haybach, 1962.
1962. *Proisotoma franzi* Haybach (2591) p. 94; Austria.

Page 382—Under *Isotoma* add *Panurotoma* Bagnall, 1948 (126) p. 536 as an additional synonym.

Page 533—Read *Cyphoderus* Nicolet, 1847 (1496) p. 383.

Page 550—For Fam. PODURIDAE add Börner, 1906 (243) p. 159.

Page 558—(1) Read *Spinotheca* Stach, 1956 (1894) p. 205, delete Del. Deb.'s reference.
(2) Read (228) for *Sminthurides* (229).

Page 611—Read (138) for *Bourletiella* Banks, 1899 (137).