

Immature stages of Curculionoidea (Coleoptera): Rearing records 1964-1986

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Abstract

A list of 276 weevil species is given, of which the larvae/pupae/adult association has been determined by rearing. Host plants, habitat, and collection data are included.

Keywords: Coleoptera; Curculionidae; Anthribidae; Apionidae; Belidae; Brentidae; Nemonychidae; Proterinidae; rearing records.

INTRODUCTION

"The Weta", newsbulletin of the Entomological Society of New Zealand, May 1984, contained a list of topics suitable for entomological research, compiled by Allen Heath. One of the suggested projects read "rearing of larvae and pupae . . . and association with the resulting adults of the following families of Coleoptera . . . Curculionidae". It therefore seems to be an appropriate time for the publication of my rearing records which up till now have largely remained in card index form. Those already published are repeated here for convenience. These records are of species reared through so that the immature stages can be studied in the confidence that the name appended to them is correct. In most cases, voucher adults are preserved together with the larvae, pupae and/or larval exuvia. Some are dry-mounted in store boxes. Undescribed species are alphabet-coded. In order to obtain the maximum advantage from a rearing programme, it is important that alcohol-preserved immatures as well as any separately stored adult specimens, are given a dated, coloured "reared" label in addition to data labels, as a means of cross-reference.

The following list includes for each weevil species, the scientific and common names of its host plant(s), its larval habitat, the locality, area code (Crosby et al. 1976), and date of collection. Collectors other than myself are identified by their initials: R. H. Blank; C. Butcher; T. K. Crosby; J. S. Dugdale; D. S. Horning; G. Kuschel; M. Stockdill; J. I. Townsend; J. C. Watt. The primitive families are placed at the beginning of the list in alphabetical order followed by Curculionidae with its subfamilies and the genera within them arranged likewise. A page index to genera is given. Other rearings of weevils are recorded by Hudson (1934); Kelsey (1946); Gourlay (1964); Styles (1973); Bain (1977a, b, c); Zondag (1977); Milligan (1978, 1979); Hosking (1978, 1979), and Penman (1978). Plant nomenclature follows Allan (1961); Moore & Edgar (1970) and the subsequent alterations listed by Edgar (1971) and Edgar & Connor (1978, 1983). Fungal growths were identified by H. J. Boesewinkel, MAF, Auckland; the mosses by K. W. Allison, Dunedin. The weevil specimens are located in the New Zealand Arthropod Collection, at Entomology Division, DSIR, Auckland.

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REARED SPECIES

ANTHRIBIDAE

Araecerus palmaris (Pascoe). *Eriobotrya japonica* (loquat); mummified fruit with *Botryosphaeria* sp. fungus; Mt Albert, AK; 20 Apr 1974.

Arecopais spectabilis (Broun). *Rhopalostylis sapida* (nikau palm); dead leaf base; Waitakere Ra., AK; 15 Jun 1964.

Cacephatus huttoni (Sharp). *Macropiper excelsum* (kawakawa); dead wood; Piha, AK; 8 Jul 1970.

Cacephatus inornatus (Sharp). *Agathis australis* (kauri); dead wood; Waitakere Ra., AK; 11 Aug 1966.

Dasyanthribus purpureus (Broun). *Olearia furfuracea* (akepiro); live subcortical; Huia, AK; 23 Aug 1973.

Dynocryptus inflatus (Sharp). *Meryta sinclairii* (puka); dead wood; Hen & Chickens Is., ND; 17 Oct 1971.

Euciodes suturalis Pascoe. *Dactylis glomerata* (cocksfoot); mature culms; Huia, AK; 18 Feb 1972.

Garyus altus (Sharp). *Crataegus monogyna* (hawthorn); dead subcortical; Ruakura, WO; 5 Oct 1971.

Helmoresus sharpi (Broun). *Agathis australis* (kauri); dead bark; Huia, AK; 16 Dec 1973.

Notochoragus crassus (Sharp). *Nothofagus solandri* var *solandri* (black beech); dead wood with *Rosellinia* sp. fungus; Ohakune, TO; 31 Oct 1970.

Phymatus hetaera (Sharp). *Clematis* sp.; dead wood; Waikaretu V., WO; 2 Jan 1967.

Pleosporius bullatus (Sharp). *Nothofagus solandri* var *solandri* (black beech); dead wood with *Rosellinia* sp. fungus; Ohakune, TO; 31 Oct 1970.

Sharpus brouni (Sharp). *Alectryon excelsum* (titoki); dead branchlets; Auckland, AK; 16 Mar 1966.

Pittosporum tenuifolium (kohukohu); dead branch with *Endothia* sp. fungus; Waitakere Ra., AK; 19 Nov 1974.

APIONIDAE

Neocyba metrosideros (Broun). *Metrosideros excelsa* (pohutukawa); live subcortical; Taupo Bay, ND; 20 Feb 1966.

BELIDAE

Agathinus tridens F. *Corokia buddleoides* (korokia-taranga); dead wood; Waitakere Ra., AK; 6 Jan 1966.

Dracophyllum traversii (grass-tree); dead wood; Mt Arthur, NN; 20 Nov 1969.

Pachyurinus rubicundus (Broun). *Toronia toru* (toru); dead bark; Huia, AK; 21 Oct 1975.

BRENTIDAE

Lasiiorhynchus barbicornis F. *Corynocarpus laevigatus* (karaka); dead stump; Te Henga, AK; 14 Nov 1967.

NEMONYCHIDAE

Rhinorhynchus sp. *Phyllocladus aspleniifolius* var. *alpinus* (mountain toatoa); Mt Ruapenu, TO;

Rhinorhynchus rufulus (Broun). *Dacrycarpus dacrydioides* (kahikatea, white pine); male strobili; Huia, AK; 4 Oct 1973.

PROTERINIDAE

Platycephala wollastoni Sharp. *Pseudopanax lessonii* (houpara); dying branches; Cuvier I., CL, 24 Jan 1972.

CURCULIONIDAE

ATERPINAE

- Anagotus** sp.A. *Chionocholea rubra* (red tussock); live crowns; Mt Ruapehu, TO; 21 Nov 1968.
Anagotus sp.B. *Cyperus ustulatus*; live rhizome; Poor Knights Is., ND; 16 Nov 1981 (JSD).
Anagotus peelensis (Marshall). *Celmisia spectabilis*; live rosette; Mt Robert, BR; 5 Feb 1982 (JSD).
Anagotus turbotti Spiller. *Corynocarpus laevigatus* (karaka); *Myoporum laetum* (ngaio); live wood; Poor Knights Is., ND; 16 Nov 1981 (JSD, JCW).

BARIDINAE

- Linogeraeus urbanus** Boheman. *Paspalum paspaloides*; live stolons (May 1984); Mt Albert, AK; 28 Feb 1977.

BRACHYDERINAE

- Asynonychus cervinus** Boheman. Polyphagous; live roots (May 1966, 1977); Mt Albert, AK; 8 Nov 1962.
Floresianus sordidus Hustache. *Trifolium repens* (white clover); live roots (May 1977); Hatuma, HB; 28 Jun 1973.
Graphognathus leucoloma Boheman. Polyphagous; live roots (May 1966, 1977); Mt Albert, AK; 13 Dec 1962.
Maleuterpes spinipes Blackburn. *Phebalium nudum* (mairehau); live roots (May 1977); Huia, AK; 25 Oct 1973.
Phebalium squameum; live roots (May 1977); Kerikeri, ND; 10 Oct 1975 (CB).
Sitona discoideus Gyllenhal. *Medicago polymorpha* (medick); live roots (May 1977); Clifton, HB; 9 Oct 1974.

CEUTORHYNCHINAE

- Rhinoncus bruchoides** Herst. *Polygonum persicaria* (willow weed); live stems; Mt Albert, AK; 23 Mar 1970.

COSSONINAE

- Agastegnus** sp. *Carmichaelia aligera* (native broom); dead subcortical; Glorit, AK; 10 Jan 1974.
Agastegnus femoralis (Broun). *Fuchsia excorticata* (kotukutuku, tree fuchsia); dead subcortical; Waitanguru, WO; 16 Oct 1966.
Agastegnus ornatus Broun. *Coprosma chathamica*; dead bark; Chatham Is.; 12 Feb 1967 (JSD).
Allaorus urquharti Broun. *Metrosideros robusta* (northern rata); dead bark; Huia, AK; 8 Dec 1972.
Allaorus scutellaris Broun. *Dicksonia squarrosa* (wheki, slender tree fern); dead caudex; Mataraua, ND; 5 Sep 1969.
Arecocryptus bellus Broun. *Rhopalostylis sapida* (nikau palm); dead sheaths; Titirangi, AK; 15 Jun 1964.
Arecophaga varia Broun. *Rhopalostylis sapida* (nikau palm); live sheaths (May 1975); Huia, AK; 28 Feb 1974.
Eiratus sp. *Entelea arborescens* (whau); dead subcortical; Hen & Chickens Is., ND; 1 Oct 1971.

Eiratus parvulus Pascoe. *Pseudopanax lessonii* (houpara); dead subcortical; Cuvier I., CL; 24 Jan 1972.

Eiratus suavis Broun. *Pseudopanax arboreus* (five-finger); dead bark; Mt Ruapehu, TO; 11 Dec 1964.

Eucossonus comptus Broun. *Cyathea medullaris* (mamaku, black tree fern); dead frond; Titirangi, AK; 15 Jun 1964.

Rhopalostylis sapida (nikau palm); dead frond; Titirangi, AK; 16 Jul 1964.

Cordyline banksii (ti ngahere); dead leaves; Huia, AK; 28 Mar 1974.

Eucossonus setiger (Sharp). *Cordyline indivisa* (toi); dead leaves; Mt Ruapehu, TO; 18 Dec 1964.

Euophryum rufum Broun. Cardboard lining; dead wood; Mt Albert, AK; 11 Oct 1964.

Eutassa comata Broun. *Cordyline indivisa* (toi); dead flower stem; Kaimanawa Ra., TO; 20 Feb 1979 (JSD).

Exeiratus laquaerum Kuschel. *Olearia lyalli*; dead wood; Snares Is.; 11 Mar 1971 (DSH).

Exeiratus setarius (Broun). *Olearia colensoi grandis*; dead wood; Big South Cape I., SI; 14 Feb 1969.

Heteropsis lawsoni Wollaston. *Blechnum discolor* (crown fern); dead caudex; Tutamoe, ND; 12 Oct 1968.

Dicksonia squarrosa (wheki, slender tree fern); dead caudex; Tutamoe, ND; 5 Sep 1969.

Macroscytalus remotus (Sharp). *Coprosma robusta* (karamu); dead subcortical; Huia, AK; 5 May 1966.

Coprosma macrocarpa; dead subcortical; Poor Knights Is, ND; 10 Aug 1970.

Merisma sharpiana Wollaston. *Cyathea dealbata* (ponga, silver fern); dead frond; Titirangi, AK; 7 Jul 1964.

Mesites pallidipennis Boheman. *Pinus* sp.; dead wood; Waikato North Head, AK; 4 Jul 1976.

Microtribus huttoni (Wollaston). *Tetragonia trigyna*; dead stem; Woodhill SF, AK; 4 Aug 1977.

Novitas dispar Broun. *Phormium tenax* (harakeke, N.Z. flax); dead leaves; Cornwallis, AK; 12 Oct 1967.

Cordyline banksii (ti ngahere); dead leaves; Huia, AK; 28 Mar 1974.

Pachyops dubius (Wollaston). *Parsonsia heterophylla* (kaiwhiria); dead vine; Cuvier I., CL; 24 Jan 1972.

Clematis sp.; dead vine; Waikaretu, WO; 2 Jan 1967.

Rhipogonum scandens (supplejack); dead vine; Waitakere Ra., AK; 10 Nov 1966.

Muehlenbeckia australis; dead vine; Ahipara, ND; 8 Dec 1974 (JSD).

Paedaretus hispidus Pascoe. Unidentified log; dead wood; Mt Manaia, ND; 28 Apr 1970.

Pentarthrum sp. *Carmichaelia aligera* (native broom); dead wood; Glorit, AK; 10 Jan 1974.

Pentarthrum spadiceum (Broun). *Olearia colensoi grandis*; dead wood; Big South Cape I., SI; 14 Feb 1969.

Pentarthrum zealandicum Wollaston. *Melicytus* sp.; dead wood; Waitakere Ra., AK; 21 Jun 1965.

Hedycarya arborea (porokaiwhiri, pigeonwood); dead wood; Waitakere Ra., AK; 10 Nov 1965.

Macropiper excelsum (kawakawa); dead wood; Piha, AK; 18 Feb 1965.

Phloeophagosoma brouni Kuschel. *Macropiper excelsum* (kawakawa); dead wood, Piha, AK; 3 Jan 1965.

Passiflora tetrandra (kohia, native passion-flower); dead wood; Huia, AK; 25 Aug 1968.

Phloeophagosoma corvinum Wollaston. *Dacrydium cupressinum* (rimu, red pine); dead subcortical; Mahoenui, WO; 22 Oct 1964.

Phloeophagosoma dilutum Wollaston. *Lupinus arboreus* (tree lupin); dead stem; Whatipu, AK; 20 Jul 1964.

Phloeophagosoma thoracicum Broun. *Phormium tenax* (harakeke, N.Z. flax); dead flower stem; Piha, AK; 31 Jul 1964.

Phronira osculans Broun. *Metrosideros robusta* (northern rata); dead wood; Huia, AK; 9 Jul 1967.

Pseudopanax crassifolius (horoeaka, lancewood); dead wood; Huia, AK; 1 Jan 1977.

Phronira simplex Broun. *Pinus* sp. old wooden box; dead wood; Lynfield, AK; 23 Feb 1975 (GK).

Proconus asperirostris Broun. *Toronia toru* (toru); dead subcortical; Huia, AK; 21 Oct 1975.

Protogonum helmsiana Sharp. *Pseudopanax colensoi* (orihou); dead bark; Big South Cape I., SI; 16 Feb 1969.

Rhinanisus parvicornis Sharp. *Cyathea dealbata* (ponga, silver fern); dead fronds; Titirangi, AK; 7 Jul 1964.

Cyathea medullaris (mamaku, black tree fern); dead fronds; Cuvier I., CL; 18 Jan 1972.

Cordyline indivisa (toi); dead leaves; Mt Ruapehu, TO; 18 Dec 1964.

Rhinanisus sagax Broun. *Nothofagus menziesii* (silver beech); dead subcortical; Mt Arthur, NN; 12 Dec 1969.

Selocomis aeneopicea Broun. *Brachyglottis repanda* (rangiora); dead subcortical; Piha, AK; 15 Feb 1965.

Coprosma lucida (karamu); dead subcortical; Taupo Bay, ND; 19 Feb 1967.

Sericotrogus subaenescens Wollaston. *Pteridium esculentum* (bracken); dead stem; Waipu, ND; 19 Nov 1964.

Entelea arborescens (whau); dead wood; Cuvier I., CL; 18 Jan 1972.

Stenotrupis debile Sharp. *Rhopalostylis sapida* (nikau palm); dead sheath; Huia, AK; 20 Dec 1973.

Stenotrupis wollastonianum (Sharp). *Rhopalostylis sapida* (nikau palm); dead sheath; Huia, AK; 20 Dec 1973.

Stilbocara serenum Broun. *Agathis australis* (kauri); dead bark; Awhitu, AK; 18 Apr 1965.

Tanysona angustum Broun. *Aciphylla scott-thomsoni* (giant spaniard); dead leaves; Macraes Flat, DN; 1 Nov 1972 (MS).

Torostoma apicale Broun. *Agathis australis* (kauri); dead wood; Huia, AK; 30 Oct 1966.

Prumnopitys ferruginea (miro); dead wood; Waitakere Ra., AK; 9 Sep 1967.

Corynocarpus laevigatus (karaka); dead wood; Te Henga, AK; 23 Nov 1967.

Toura longirostris Wollaston. *Cyathea medullaris* (mamaku, black tree fern); dead fronds; Titirangi, AK; 7 Jul 1964.

Cyathea dealbata (ponga, silver fern); dead fronds; Titirangi, AK; 7 Jul 1964.

Touropsis brevirrostris (Sharp). *Pittosporum tenuifolium* (kohukohu); dead subcortical; Waitakere Ra., AK; 24 Jul 1965.

Unas conirostris Marshall. *Agathis australis* (kauri); dead wood; Huia, AK; 21 Nov 1971.

Xenocnema spinipes Wollaston. *Agathis australis* (kauri); dead bark; Onehunga, AK; 18 Jul 1964. New genus, new sp. *Schefflera digitata* (pate); dead branchlets; Parau, AK; 8 Nov 1973.

CRYPTORHYNCHINAE

Acalles sp.A. *Prumnopitys ferruginea* (miro); dead bark; Waitakere Ra., AK; 9 Sep 1967.

Acalles sp.B. *Nothofagus menziesii* (silver beech); dead wood; Maungatapu Saddle, NN; 1 Dec 1971 (JCW).

Acalles sp.C. *Nothofagus solandri* var. *cliffortioides* (mountain beech); dead bark; Mt Ruapehu, TO; 11 Dec 1964.

Dysoxylon spectabile (kohekohe); dead bark; Titirangi, AK; 13 Jan 1976.

Passiflora tetrandra (kohia, native passion-flower); dead bark; Parau, AK; 4 Oct 1970.

Pseudowintera colorata (horopito, peppertree); dead stem; Tongariro SF, TO; 29 Nov 1965.

Acalles sp.D. *Rhipogonum scandens* (supplejack); dead vine; Mt Pirongia, WO; 3 Oct 1965.

Rubus cissoides (bush lawyer); dead vine; Huia, AK; 23 Oct 1973.

Acalles sp.E. *Cordyline banksii* (ti ngahere); live bark; Huia, AK; 28 Jan 1968.

Acalles sp.F. *Fuchsia excorticata* (kotukutuku, tree fuchsia); dead branchlets; Waitanguru, WO; 16 Oct 1966.

Acalles sp.G. *Nothofagus solandri* var. *cliffortioides* (mountain beech); dead bark; Mt Ruapehu, TO; 11 Dec 1964.

Acalles crisioides Broun. *Crataegus monogyna* (hawthorn); dead subcortical; Ruakura, WO; 5 Oct 1971.

Acalles ovatellus Broun. *Corynocarpus laevigatus* (karaka); dead bark; Te Henga, AK; 14 Nov 1967.

Acalles peelensis Broun. *Nothofagus solandri* var. *cliffortioides* (mountain beech); dead stump; Arthurs Pass, NC; 12 Nov 1966.

Acalles ruficollis Broun. *Knightia excelsa* (rewarewa); dead leaves; Parau, AK; 26 May 1970.

Acalles terricola Broun. *Corynocarpus laevigatus* (karaka); dead wood; Titirangi, AK; 26 Nov 1967.

Agacalles sp. *Blechnum capense* (kiokio); dead rhizomes; Huia, AK; 10 Jan 1967.

Todea hymenophylloides (heruheru); dead caudex; Waitomo, WO; 31 Oct 1967.

Andracalles horridus (Broun). *Vitex lucens* (puriri); dead bark; Waipua, ND; 19 Nov 1964.

Clypeolus pascoei (Broun). *Pseudopanax crassifolius* (horoeaka, lancewood); dead wood; Huia, AK; 11 Jan 1977.

Freycinetia baueriana ssp. *banksii* (kiekie); dead stem; Spirits Bay, ND; 18 Jan 1966.

Clypeolus veratrus (Broun). *Coprosma repens* (taupata); live stem; Brother I., AK; 17 Feb 1978 (JSD).

Crisius sp.A. *Celmisia sessiliflora*; live leaf bases; Mt Arthur, NN; 16 Nov 1969.

Crisius sp.B. *Astelia nivicola*; dead leaf bases; Mt Peel, NN; 16 Dec 1967.

Crisius sp.D. *Celmisia viscosa*; dead leaf bases; Pisa Ra., CO; 22 Nov 1974 (JCW).

Crisius sp.E. *Oreobolus pectinatus*; live crown; Big South Cape I., SI; 12 Feb 1969.

Crisius binotatus Pascoe. *Agathis australis* (kauri); dead bark; Trounson Park, ND; 11 Nov 1964.

Crisius dorsalis Broun. *Astelia nervosa*; dead leaf bases; Mt Holdsworth, WA; 18 Nov 1968.

Crisius fasciculatus Broun. *Freycinetia baueriana* ssp. *banksii* (kiekie); live aerial roots; Huia, AK; 3 Dec 1967.

Crisius signatus Broun. *Nothofagus menziesii* (silver beech); dead bark; Mt Arthur, NN; 20 Nov 1969.

Crisius variegatus Broun. *Lupinus arboreus* (tree lupin); live wood; Whatipu, AK; 15 Jun 1968.

Pasiflora tetrandra (kohia, native passion-flower); live wood; Huia, AK; 3 Jan 1972.

Didymus erroneus (Pascoe). *Vitex lucens* (puriri); dead branchlets; Huia, AK; 20 Dec 1965.

Didymus impexus (Pascoe). *Olearia rani* (heketara); dead wood; Piha, AK; 3 Jan 1965.

Vitex lucens (puriri); dead wood; Huia, AK; 20 Dec 1965.

Acacia verticillata; dead wood; Lynfield, AK; 30 Nov 1974 (GK).

Hadracalles fuliginosus Broun. *Phormium tenax* (harakeke, N.Z. flax); live/dead rhizome; Poor Knights Is., ND; 28 Apr 1970.

Indecentia nubila Broun. *Schefflera digitata* (pate); live callus tissue; Titirangi, AK; 17 Aug 1967.

Kentraulax murina Broun. *Pseudopanax arboreus* (five-finger); dead root; Rotorua, BP; 8 Apr 1965.

Mecistostylus douei Lacordaire. *Pseudopanax arboreus* (five-finger); live phloem; Mt Ruapehu, TO; 11 Dec 1964.

Mesoreda sulcifrons Broun. *Pittosporum tenuifolium* (kohukohu); dead wood; Waitakere Ra., AK; 5 Oct 1965.

Olearia rani (heketara); dead wood; Waitakere Ra., AK; 14 Oct 1965.

Microcryptorhynchus sp.A. *Astelia trinervia* (kauri grass), *A. banksii*; leaf mines; Huia, AK; 5 Dec 1971.

Microcryptorhynchus sp.B. *Collospermum hastatum*; leaf mines; Huia, AK; 10 Nov 1973.

Microcryptorhynchus sp.C. *Freycinetia baueriana* ssp. *banksii* (kiekie); leaf mines; Glorit, AK; 17 Nov 1973.

Microcryptorhynchus sp.D. *Dianella nigra* (turutu, blue-berry); leaf mines; Little Barrier I., CL; 4 Dec 1970.

Raukumara Ra., BP; 26 Feb 1979.

Huia, AK; 2 Apr 1981.

Microcryptorhynchus sp.E. *Libertia ixioides* (mikoikoi); leaf mines; Russell SF, ND; 13 Dec 1981.

Microcryptorhynchus sp.F. *Carmichaelia aligera* (native broom); stem mines; Huia AK; 2 Jan 1972.

Microcryptorhynchus multisetosus Broun. *Dracophyllum pyramidale* (grass tree); dead subcortical; Mt Pirongia, WO; 23 Sep 1964.

Notacalles sp.A. *Cassinia vauvilliersii* (cottonwood); dead subcortical; Arthurs Pass, NC; 11 Nov 1966.

Notacalles sp.B. *Celmisia sessiflora*, *C. laricifolia*; dead subcortical; Mt Robert, BR; 6 Feb 1982 (JSD).

Notacalles sp.C. *Paratrophis microphylla* (turepo, milk tree); dead subcortical; Mt Manaia, ND; 12 Mar 1970.

Notacalles sp.D. *Rhopalostylis sapida* (nikau palm); dead leaf bases; Titirangi, AK; 16 Jul 1969.

Notacalles leviculis (Broun). *Coprosma lucida* (karamu); dead subcortical; Taupo Bay, ND; 19 Feb 1967.

Coprosma robusta (karamu); dead subcortical; Blockhouse Bay, AK; 14 Jun 1967.

Urostemon kirkii (Kirk's daisy); dead subcortical; Huia, AK; 17 Jan 1974.

Notacalles piciventris (Broun). *Coprosma ciliata*, *C. cuneata*; dead branchlets (May 1980); Campbell I.; 17 Nov 1975.

Dracophyllum longifolium; dead branchlets (May 1980); Campbell I.; 11 Dec 1975.

Notacalles planidorsis (Kirsch). *Hebe elliptica*; dead branchlets (May 1980); Campbell I.; 16 Nov 1975.

Notacalles setifer Broun. *Beilschmiedia tarairi* (taraire); dead branchlets; Waiwera, AK; 23 Aug 1966.

Notacalles suillus Kuschel. *Myrsine divaricata*; dead subcortical (May 1980); Campbell I.; 18 Nov 1975.

Oreda brevis Pascoe. *Myoporum laetum* (ngaio); dead wood; Whatipu, AK; 12 Mar 1967.

Hebe macrocarpa; dead wood; Huia, AK; 12 Oct 1967.

Sophora microphylla (kowhai); dead branch; Huia, AK; 12 Nov 1973.

Oreda notata White. *Corynocarpus laevigatus* (karaka); dead wood; Te Henga, AK; 14 Nov 1967.

Melicytus sp.; dead wood; Huia, AK; 23 Nov 1973.

Pachyderris punctiventris Broun. *Olearia arborescens*; dead branchlets; Bluff, SL; 4 Feb 1969.

Paromalialia vestita (Broun). Unidentified decaying log; dead wood; Warawara SF, ND; 10 Oct 1974 (JCW).

Psepholax crassicornis Broun. *Pseudopanax arboreus* (five-finger); live/dead wood; Mt Ruapehu, TO; 11 Dec 1964.

Pseudopanax edgerleyi (raukawa); dead wood; Arthurs Pass, NC; 16 Nov 1966.

Psepholax femoratus Broun. *Pittosporum tenuifolium* (kohukohu); live/dead wood; Waitakere Ra., AK; 24 Jul 1965.

Sophora microphylla (kowhai); dead wood; Wenderholm, AK; 3 Oct 1974.

Psepholax granulatus Broun. *Aristotelia serrata* (makomako, wineberry); live/dead wood; Waitanguru, WO; 14 Oct 1966.

Psepholax mediocris Broun. Unidentified log; dead wood; Mt Manaia, ND; 28 Apr 1970.

Psepholax simplex Pascoe. *Pseudopanax arboreus* (five-finger); Rotorua, BP; 4 Apr 1965.

Psepholax sulcatus White. *Olearia rani* (heketa); live/dead wood; Huia, AK; 15 Aug 1965.

Psepholax tibialis Broun. *Leptospermum scoparium* (kanuka); live wood; Huia, AK; 15 Aug 1965.

Weinmannia racemosa (kamahi); live wood; Waiorongomai V., BP; 12 Dec 1965.

Rhynchodes ursus White. *Nothofagus solandri* var *cliffortioides* (mountain beech); dead wood; Mt Ruapehu, TO; 1 Dec 1965.

Agathis australis (kauri); dead wood; Waitakere Ra., AK; 3 Jul 1966.

Scelodolichus lineithorax Broun. *Gahnia lacera*; dead rhizomes; Huia, AK; 20 Dec 1973.

Scelodolichus celsus (Broun). *Metrosideros robusta* (northern rata); dead bark; Huia, AK; 8 Dec 1972.

Strongylopterus hylobioides (White). *Metrosideros excelsa* (pohutukawa); live/dead wood; Te Hope Bch., CL; 5 Jun 1965.

Olearia rani (heketa); dead wood; Waitakere Ra., AK; 25 Sep 1966.

Sympedius testudo Pascoe. *Coprosma lucida*, *C. robusta* (karamu); dead wood; Taupo Bay, ND; 19 Feb 1967.

Myoporum laetum (ngaio); dead wood; Huieh I., CL; 9 Nov 1970.

Sympedius vexatus Pascoe. *Nestegis lanceolata* (white maire); dead branchlets; Huia, AK; 6 Jan 1972.

Tychanus gibbus Pascoe. *Coprosma australis* (raureka); *C. arborea* (mamangi); live wood; Waitakere Ra., AK; 10 Nov 1965.

Olearia furfuracea (akepiro); live wood; Huia, AK; 25 Jun 1967.

Fuchsia excorticata (kotukutuku, tree fuchsia); dead wood; Huia, AK; 18 Aug 1967.

Tychanus lachrymosus Broun. *Olearia rani* (heketa); dead wood; Waitakere Ra., AK; 18 May 1965.

Tychanus verrucosus Pascoe. *Rubus cissoides* (bush lawyer); dead vine; Mt Pirongia, WO; 23 Sep 1964.

CURCULIONINAE

Alloprocas rufus Broun. *Nothofagus menziesii* (silver beech); stem mines; Kaimanawa SF., TO; 23 Nov 1982.

Aneuma comptus Broun. *Hoheria populnea* (houhere, lacebark); green fruits; Mt Albert, AK; 30 Mar 1972.

Aneuma fulvipes Pascoe. *Pittosporum tenuifolium* (kohukohu); flower buds; Huia, AK; 25 Oct 1973.

Aneuma rubricale (Broun). *Pittosporum tenuifolium* (kohukohu); flowers; Huia, AK; 24 Nov 1972.

Aneuma spinifer Broun. *Nothofagus menziesii* (silver beech); leaf mines; Kaimanawa SF, TO; 13 Dec 1982.

Gymnetron pascuorum Gyllenhal. *Plantago lanceolata* (narrow leaved plantain); seeds; Henderson, AK; 15 Dec 1971.

Neomycta pulicaris Pascoe. *Nothofagus truncata* (hard beech); leaf mines; Little Barrier I., CL, 5 Oct 1975.

Neomycta rubida Broun. *Metrosideros kermadecensis* (Kermadecs rata); leaf mines; Mt Albert, AK; 5 Aug 1974 (JSD).

Metrosideros fulgens (a climbing rata); leaf mines; Huia, AK; 8 Dec 1972.

Neomycta seticeps Broun. *Nothofagus solandri* var *solandri* (black beech); leaf mines; Stockton Plateau, NN; 1 Jan 1983.

Oropterus coniger White. *Fuchsia excorticata* (kotukutuku, tree fuchsia); green stems (galls); Otangaroa SF, ND; 14 Dec 1976.

Peristoreus sp.A. *Carmichaelia aligera* (native broom); flower buds; Huia, AK; 28 Nov 1974.

Peristoreus sp.B. *Celmisia prorepens*; capitula; Old Man Ra., CO; Feb 1982 (JSD).

Celmisia viscosa; capitula; Old Man Ra., CO; 20 Feb 1974 (JSD).

Peristoreus sp.C. *Celmisia graminifolia*; live crown; Big South Cape I., SI; 12 Feb 1969.

Peristoreus sp.D. *Dracophyllum traversii* (grass tree); spent flower stem; Arthurs Pass, NC; 13 Nov 1966.

Peristoreus sp.E. *Dracophyllum latifolium* (neinei, grass tree); spent flower stem; Urewera Ra., GB; 29 Nov 1965.

Peristoreus sp.F. *Dracophyllum matthewsii* (grass tree); spent flower stem; Mt Moehau, CL; 8 Nov 1978.

Peristoreus sp.G. *Hoheria populnea* (houhere, lackbark); flowers; Parau, AK; 20 Mar 1972.

Peristoreus acceptus (Broun). *Muehlenbeckia australis*; leaf mines; Rimutaka Ra., WN; 24 Dec 1984.

Peristoreus aciphyllae (Broun). *Astelia fragrans*; fruits; Mt Egmont, TK; 20 Feb 1977.

Peristoreus anxius (Broun). *Carmichaelia aligera* (native broom); flower buds; Huia, AK; 28 Nov 1974.

Peristoreus australis (Broun). *Plagianthus divaricatus* (salt-marsh ribbonwood); male flower buds; Huia, AK; 22 Sep 1973.

Peristoreus celmisiae (Broun). *Celmisia coriacea*; live roots/leaf bases; Arthurs Pass, NC; 14 Nov 1966.

Peristoreus concolor (Broun). *Nothofagus truncata* (hard beech); leaf mines; Hunua Ra., AK; 3 Nov 1981.

Peristoreus dilucidens (Broun). *Pseudowintera colorata*; (horopito; pepper tree); fruits; Mt Ruapehu, TO; 10 May 1986.

Peristoreus discoideus (Broun). *Griselinia littoralis* (kapuka, broadleaf); leaf mines; Big South Cape I., SI; 15 Feb 1969.

Griselinia lucida (puka, shining broadleaf); leaf mines; Huia, AK; 30 Oct 1974 (JSD).

Peristoreus durus (Broun). *Plagianthus betulinus* (manatu, lowland ribbonwood); green fruits; Banks Pen, MC; 17 Nov 1976.

Peristoreus eustictus (Broun). *Carmichaelia ramosa* (native broom); seeds; Dansey Pass, DN; 4 Mar 1976.

Peristoreus fascialis (Broun). *Carmichaelia egmontiana* (native broom); stem mines; Huia, AK; 19 Nov 1983.

Peristoreus fasciatus (Broun). *Pittosporum tenuifolium* (kohukohu); leaf mines; Huia, AK; 17 Jan 1974 (JSD).

Peristoreus flavitarsis (Broun). *Podocarpus totara* (totara); leaf mines; Huia, AK; 2 Nov 1982.

Peristoreus fusconotatus (Broun). *Olearia arborescens*; flowers; Cobb Dam, NN; 19 Dec 1967.

Olearia rani (heketara); flowers; Waitakere Ra., AK; 29 Nov 1982.

Peristoreus grossus (Broun). *Dracophyllum traversii* (grass tree); spent flower stem; Mt Arthur, NN; 20 Nov 1969.

Peristoreus innocens Kirsch. *Dracophyllum longifolium*; flowers; Campbell I.; 11 Dec 1975.

Peristoreus leucomus (Broun). *Olearia furfuracea* (akepiro); achenes; Raglan, WO; 18 Feb 1973.

Peristoreus limbatus (Broun). *Aristotelia serrata* (makomako, wineberry); male flowers; Nelson, NN; Oct 1973 (JIT).

Peristoreus maorinus (Broun). *Dracophyllum longifolium*; flowers; Mt Arthur, NN; 3 Feb 1982 (JSD).

Peristoreus oleariae (Broun). *Olearia colensoi grandis*; achenes; Big South Cape I., SI; 13 Feb 1969.

Peristoreus sexmaculatus (Broun). *Carmichaelia aligera* (native broom); flower buds; Huia, AK; 8 Dec 1972.

Peristoreus stramineus (Broun). *Hoheria populnea* (houhere, lacebark); flower buds; Waitakere Ra., AK; 2 Apr 1973.

Peristoreus sudus (Broun). *Carmichaelia aligera* (native broom); seeds; Huia, AK; 27 Dec 1967.

Peristoreus titahensis (Broun). *Muehlenbeckia complexa* (pohuehue); nutlets; Huia, AK; 15 Jan 1973.

Peristoreus trilobus (Pascoe). *Astelia fragrans*; live flower stem; Mt Egmont, TK; 31 Oct 1973.

Collospermum hastatum; live flower stem; Huia, AK; 1 Feb 1982.

Phorostichus linearis (Broun). *Astelia trinervia* (kauri grass); leaf mines; Huia, AK; 14 Nov 1971.

Collospermum hastatum; leaf mines; Huia, AK; 23 May 1974.

Praolepra rufescens (Broun). *Phyllocladus aspleniifolius* var *alpinus* (mountain toatoa); carpidia; Mt Ruapehu, TO; 19 Feb 1979.

Praolepra uniformis Marshall. *Coprosma lucida* (shining karamu); seeds; Waitakere Ra., AK; 26 Mar 1973.

Simachus montanus Broun. *Hebe macrocarpa* (koromiko); seeds; Huia, AK; 27 Dec 1967.

Storeus albosignatus Blackburn. *Acacia longifolia* (wattle); seeds; Parau, AK; 23 Dec 1983.

ERIRHINIINAE

Bryocatus sp.A. Unidentified moss; base of mat; Old Man Ra, CO; 22 Feb 1974 (JSD).

Bryocatus sp.B. *Oreobolus pectinatus*; live/dead leaf bases; Big South Cape I., SI; 12 Feb 1969.

Bryocatus sp.C. *Conostomum pusillum* (moss); live/dead rhizoids; Arthurs Pass, NC; 12 Nov 1966.

Bryocatus amplus Broun. *Polytrichadelphus magellanicus* (moss); live/dead rhizoids; Mt Egmont, TK; 3 Nov 1967.

Bryocatus serripes (Kuschel). *Psilopilum australe* (moss); live/dead rhizoids; Arthurs Pass, NC; 12 Nov 1966.

EUGNOMINAE

Ancistropteris quadrispinosus White. *Agathis australis* (kauri); dead wood; Huia, AK; 14 Aug 1971.

Eugnomus durvillei Schoenherr. *Aciphylla scott-thomsoni* (giant spaniard); dead leaves; Macraes Flat, DN; 18 Nov 1972.

Gonopteris spinicollis Broun. *Nestegis lanceolata* (white maire); green fruits; Huia, AK; 9 Apr 1974.

Hoplocneme sp.A. *Hebe macrocarpa*; dead branchlets; Waitanguru, WO; 14 Oct 1966.

Hoplocneme sp.B. *Olearia rani* (heketara); dead subcortical; Huia, AK; 15 Aug 1965.

Hoplocneme forcipata Marshall. *Aristotelia serrata* (makomako, wineberry); dead subcortical; Waitanguru, WO; 14 Oct 1966.

Hoplocneme hookeri White. *Coprosma robusta* (karamu); dead branches; Blockhouse Bay, AK; 14 Jun 1967.

Hoplocneme inaequalis Broun. *Coprosma serrulata*; live/dead stems; Arthurs Pass, NC; 12 Nov 1966.

Hoplocneme punctatissima Pascoe. *Hebe macrocarpa*; dead subcortical; Waitanguru, WO; 14 Oct 1966.

Nyxetes bidens (F.). *Clematis paniculata* (puawhananga); live vine (galls); Huia, AK; 13 Jul 1968.

Nestegis lanceolata (white maire); live branch (galls); Swanson, AK; 27 Feb 1972.

Oreocalus sp.A. *Hebe stricta* var *egmontiana*; live stems; Mt Egmont, TK; 3 Mar 1968.

Oreocalus sp.B. *Hebe tetragona* (whipcord Hebe); live stems; Mt Ruapehu, TO; 22 Nov 1972.

Oreocalus sp.C. *Hebe elliptica*; live stems; Big South Cape I., SI; 8 Feb 1969.

Oreocalus sp.D. *Hebe vernicosa*; live stems; Cobb Ridge, NN; 19 Nov 1967.

Oreocalus sp.E. *Hebe tetragona* (whipcord Hebe); live stems; Mt Ruapehu, TO; 22 Nov 1972.

Oreocalus albosparsus Broun. *Hebe macrocarpa*; live stems; Waitakere Ra, AK; 10 Jul 1966.

Oreocalus cinnamomeus White. *Hebe stricta*; live stems; Mt Ruapehu, TO; 31 Oct 1970.

Oreocalus hebe Marshall. *Hebe odora*; live terminal leaves; Porters Pass, MC; 9 Feb 1982 (JSD).

Oreocalus pullatus Broun. *Hebe stricta*; live stems; Mt Ruapehu, TO; 31 Oct 1970.

Oreugnomois sp. *Hebe rakaiensis*; live wood (galls); Arthurs Pass, NC; 11 Nov 1966.

Hebe stricta; live wood (galls); Ohakune, TO; 31 Oct 1970.

Pactola demissa Pascoe. *Hoheria populnea* (houhere, lacebark); dead subcortical; Huia, AK; 12 Aug 1968.

Pactola variabilis Pascoe. *Pseudopanax lessonii* (houpara); dying subcortical; Cuvier I., CL; 24 Jan 1972.

Pactolotypus subantarcticus Kuschel. *Coprosma cuneata*; dying subcortical (May 1980); Campbell I.; 17 Nov 1975.

Scolopterus aequus Broun. *Cyathea dealbata* (ponga, silver fern); dead fronds; Titirangi, AK; 7 Jul 1964.

Scolopterus penicillatus White. *Pseudopanax arboreus* (five-finger); dead subcortical; Waitakere Ra., AK; 20 Jun 1965.

Stephanorhynchus attelaboides F. *Pseudopanax arboreus* (five-finger); live bark; Taupo, TO; 12 Apr 1982.

Stephanorhynchus crassus Broun. *Pittosporum crassifolium* (karo); live seeds; Mt Albert, AK; 20 Aug 1964.

Stephanorhynchus curvipes White. *Pseudopanax arboreus* (five-finger); dead bark; Rotorua, BP; 7 Apr 1965.

Stephanorhynchus lawsoni Sharp. *Coprosma robusta* (karamu); dead subcortical; Huia, AK; 5 May 1966.

Undetermined sp.A. *Celmisia viscosa*; live petioles; Pisa Ra., CO; 22 Nov 1974 (JCW).

Undetermined sp.B. *Nothofagus fusca* (red beech); dead wood; Mt Arthur, NN; 15 Nov 1969.

LEPTOPIINAE

Brachyolus obscurus (Sharp). *Trifolium repens* (white clover); live roots (May 1977); Ngapara, DN; 15 Sep 1972.

Brachyolus posticalis Broun. *Trifolium repens* (white clover); live roots (May 1977); Palmerston, DN; 18 Sep 1972.

Catodryobiolus antipodus Brookes. *Bulbinella rossii* (Maori onion); live roots (May 1980); Campbell I.; 14 Dec 1975.

Catoptes sp. *Poa foliosa*; live roots (May 1977); Big South Cape I., SI; 9 Feb 1969.

Catoptes cuspidatus (Broun). Graminae; live roots; Millers Flat, DN; 2 Nov 1978.

Cecyropa discors Broun. *Lupinus luteus* (polyphagous); live roots (May 1966, 1977); Te Henga, AK; 25 Aug 1963.

Heterexis seticostatus (Brookes). *Bulbinella rossii* (Maori onion); live roots (May 1980); Campbell I.; 1 Dec 1975.

Inophloeus aplorinus Broun. *Hebe pauciramosa* var *masonae*; live roots; Lake Sylvester, NN; 15 Dec 1967.

Irenimus aequalis (Broun). Graminae; live roots (May 1977); Ohaupo, WO; 28 Jul 1969.

Irenimus compressus (Broun). Graminae; live roots (May 1966 (as *Catoptes*), 1977); Karaka, AK; 13 Jun 1963.

Mandalotus miricollis Broun. *Trifolium repens* (white clover) (polyphagous); live roots (May 1966, 1977); Mt Albert, AK; 23 Oct 1962.

Nicaeana sp. *Daucus carota* var *sativa* (carrot); live roots (May 1977); Ohakune, RI; 2 Nov 1970.

Nicaeana cervina Broun. *Trifolium repens* (white clover) (polyphagous); live roots (May 1977); Palmerston, DN; 18 Sep 1972.

Oclaudius cinereus (Blanchard). Polyphagous; live roots (May 1980); Campbell I.; 4 Dec 1975.

Sargon quadrinodosus (Brookes). Polyphagous; live roots (May 1977); Big South Cape I., SI; Nov 1968 (GK).

MAGDALIDINAE

Saccolaeum narinus (Pascoe). *Acacia decurrens*; dead branchlets; Nelson, NN; 1 Jul 1973 (GK).

MOLYTNINAE

Cuneopterus sp. *Brachyglottis reinoldii* (muttonbird scrub); dead wood; Big South Cape I., SI; Nov 1968 (GK).

Doliocenthus vestitus Broun. *Metrosideros robusta* (northern rata); dead wood; Huia, AK; 9 July 1967.

Karocolens pittospori Kuschel. *Pittosporum crassifolium* (karo); live wood; Poor Knights Is, ND; 12 Nov 1981 (JCW).

Lithocia sp. *Hebe pauciramosa* var *masonae*; dead wood; Mt Arthur, NN; 16 Dec 1967.

Lyperobius sp. *Aciphylla ferox* (wild spaniard); live crown; Mt Arthur, NN; 16 Nov 1969.

Megacolabus decipiens Marshall. *Blechnum capense* (kiokio); live/dead fronds; Mt Egmont, TK; 5 Mar 1968.

Phrynixus sp. *Pseudopanax simplex* (haumakaroa); dead wood; Mt Pirongia, WO; 23 Sep 1964.

Phrynixus astutus Pascoe. *Metrosideros robusta* (northern rata); dead wood; Huia, AK; 9 Jul 1967.

Pinus sp. (boxwood); dead wood; Lynfield, AK; 23 Feb 1975 (GK).

Phrynixus binodosus Broun. *Hebe topiaria*; dead wood; Mt Arthur, NN; 13 Nov 1969.

Phrynixus differens Broun. *Pseudowintera colorata* (horopito, pepper tree); dead wood; Tongariro SF, TO; 29 Nov 1965.

Rystheus notabilis Broun. *Polystichum vestitum* (prickly shield fern); live/dead fronds; Arthurs Pass, NC; 16 Nov 1966.

Todea hymenophylloides (heruheru); dead fronds; Waitomo, WO; 31 Oct 1967.

Blechnum capense (kiokio); dead fronds; Mt Holdsworth, WA; 19 Nov 1968.

OTIORHYNCHINAE

Otiorynchus ovatus L. *Fragaria* sp.cult. (strawberry); polyphagous; live roots (May 1977); Christchurch, MC; 22 Sep 1972.

Otiorynchus rugosostriatus (Goeze). Polyphagous; live roots (May 1977); Thames, CL; 25 Aug 1970.

Otiorynchus sulcatus (F.). *Cyclamen* sp.cult.; polyphagous; live roots (May 1966, 1977); Rotorua, BP; May 1964.

Phlyctinus callosus Boheman. Polyphagous; live roots (May 1966, 1977); Mt Albert, AK; 2 Nov 1962.

RHADINOSOMINAE

Rhadinosomus acuminatus Schoenherr. *Haloragis erecta*; live stems; Huia, AK; 8 Apr 1967.

RHYNCHOPHORINAE

Sphenophorus brunnipennis (Germar). *Pennisetum clandestinum* (kikuyu grass); live roots (May 1987); Tangiteroria, ND; 19 Mar 1979 (RHB).

RHYTIRHININAE

Desiantha ascita (Pascoe). *Baumea articulata*; submerged roots (May 1977); Te Henga Swamp, AK; 25 Sep 1968.

Baumea rubiginosa; submerged roots (May 1977); Rukuhia Swamp, WO; 28 Jul 1969.

Typha orientalis (raupo); submerged roots (May 1977); Te Henga Swamp, AK; 27 Feb 1970.

Desiantha diversipes lineata Pascoe. *Lolium* sp. (ryegrass) (polyphagous); live roots (May 1966 (as *maculata*), 1977); Pukekawa, AK; 5 Sep 1963.

Desiantha variabilis (Broun). *Cotula* sp.; live roots (May 1977); Palmerston North, WI; 14 Mar 1974.

Gromilus sp. *Stilbocarpa lyallii*; live roots (May 1977); Big South Cape I., SI; Nov 1968 (GK).

Gromilus exiguus (Brookes). *Colobanthus* sp. (grass cushion); live roots (May 1980); Campbell I., 12 Nov 1975.

Gromilus thoracicus (Broun). *Blechnum capense* (kiokio); live roots (May 1977); Tutamoe, ND; 12 Oct 1968.

Gromilus insularis robustus (Brookes). Polyphagous; live roots (May 1980); Campbell I.; 4 Dec 1975 (TKC).

Gromilus veneris setarius (Broun). Polyphagous; live roots (May 1980); Campbell I.; 1 Dec 1975.

Listroderes delaigui Germain. *Trifolium subterraneum* (subterranean clover); live crown/roots (May 1966, 1977); Glenbrook, AK; 16 Oct 1963.

Listroderes obliquus Klug. Polyphagous; live leaves (May 1966 (as *costirostris*), 1977); Pukekohe, AK; 22 Nov 1963.

SCOLYTINAE

Cryphalus wapleri Eichhoff. *Ficus carica* (fig); live subcortical; Pakiri, ND; 1 Aug 1973.

Hypocryphalus sp. *Aristotelia serrata* (makomako, wineberry); live/dead subcortical; Waitanguru, WO; 14 Nov 1966.

Chaetoptelius mundulus (Broun). *Pittosporum tenuifolium* (kohukohu); live/dead subcortical; Waitakere Ra, AK; 5 Jul 1966.

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PLANT/HOST LIST FROM REARED LARVAE

- Acacia decurrens.** *Saccolaeus narinus* (Pascoe)
- Acacia longifolia** (wattle). *Storeus albosignatus* Blackburn
- Acacia verticillata.** *Didymus impexus* (Pascoe)
- Aciphylla ferrox** (wild spaniard). *Lyperobius* sp.
- Aciphylla scott-thomsoni** (giant spaniard). *Eugnomus durvillei* Schoenherr; *Tanyosoma angustum* Broun
- Agathis australis** (kauri). *Ancistropterus quadrispinosus* White; *Cacephatus inornatus* (Sharp); *Crisius binotatus* Pascoe; *Helmoresus sharpi* (Broun); *Rhynchodes ursus* White; *Stilbocara serenum* Broun; *Torostoma apicale* Broun; *Unas conirostris* Marshall; *Xenocnema spinipes* Wollaston
- Alectryon excelsus** (titoki). *Sharpius brouni* (Sharp)
- Aristolelia serrata** (makomako, wineberry). *Hoplocneme forcipata* Marshall; *Hypocryphalus* sp.; *Peristoreus limbatus* (Broun); *Psepholax granulatus* Broun
- Astelia banksii.** *Microcryptorhynchus* sp. A
- Astelia fragrans.** *Peristoreus aciphyllae* (Broun); *Peristoreus trilobus* (Pascoe)
- Astelia nervosa.** *Crisius dorsalis* Broun
- Astelia nivicola.** *Crisius* sp. B
- Astelia trinervia** (kauri grass). *Phorostichus linearis* (Broun); *Microcryptorhynchus* sp. A.
- Baumea articulata.** *Desiantha ascita* (Pascoe)
- Baumea rubiginosa.** *Desiantha ascita* (Pascoe)
- Beilschmiedia tarairi** (taraire). *Notacalles setifer* Broun
- Blechnum capense** (kiokio). *Agacalles* sp.; *Gromilus thoracicus* (Broun); *Megacolabus decipiens* Marshall; *Rystheus notabilis* Broun
- Blechnum discolor** (crown fern). *Heteropsis lawsoni* Wollaston
- Brachyglottis reinoldii** (mutton-bird scrub). *Cuneopterus* sp.
- Brachyglottis repanda** (rangiora). *Selocomis aeneopicea* Broun
- Bulbinella rossii** (Maori onion). *Heterexis seticosatus* (Brookes); *Catodryobiolus antipodus* Brookes
- Cardboard lining. *Euophryum rufum* Broun
- Carmichaelia aligera** (native broom). *Agastegnus* sp.; *Microcryptorhynchus* sp. F; *Pentarthrum* sp.; *Peristoreus anxius* (Broun); *Peristoreus sexmaculatus* (Broun); *Peristoreus* sp. A; *Peristoreus sudus* (Broun)
- Carmichaelia egmontiana** (native broom). *Peristoreus fascialis* (Broun)
- Carmichaelia ramosa** (native broom). *Peristoreus eustictus* (Broun)
- Cassinia vauvilliersii** (cottonwood). *Notacalles* sp. A.
- Celmisia coriacea.** *Peristoreus celmisiae* (Broun)
- Celmisia graminifolia.** *Peristoreus* sp. C
- Celmisia laricifolia.** *Notacalles* sp. B
- Celmisia prorepens.** *Peristoreus* sp. B
- Celmisia sessiliflora.** *Crisius* sp. A; *Notacalles* sp. B
- Celmisia spectabilis.** *Anagotus peelensis* (Marshall)
- Celmisia viscosa.** *Crisius* sp. D; *Peristoreus* sp. B; Undetermined eugnomine sp. A
- Chionochloa rubra** (red tussock). *Anagotus* sp. A
- Clematis paniculata** (puawhananga). *Nyxetes bidens* (F.)
- Clematis** sp. *Pachyops dubius* (Wollaston); *Phymatus hetaera* (Sharp)
- Colloospermum hastatum.** *Microcryptorhynchus* sp. B; *Peristoreus trilobus* (Pascoe); *Phorostichus linearis* (Broun)
- Colobanthus** sp. (grass cushion). *Gromilus exiguus* (Brookes)
- Conostomum pusillum** (moss). *Bryocatus* sp. C
- Coprosma aborea** (mamangi). *Tychanus gibbus* Pascoe
- Coprosma australis** (raureka). *Tychus gibbus* Pascoe
- Coprosma chathamica.** *Agastegnus ornatus* Broun
- Coprosma ciliata.** *Notacalles piciventris* (Broun)

- Coprosma cuneata.** *Notacalles piciventris* (Broun); *Pactolotypus subantarcticus* Kuschel
- Coprosma lucida** (shining karamu). *Notacalles leviculus* (Broun); *Praolepra uniformis* Marshall; *Selocomis aeneopicea* Broun; *Sympedius testudo* Pascoe
- Coprosma macrocarpa.** *Macroscytalus remotus* (Sharp)
- Coprosma repens** (taupata). *Clypeolus veratrus* (Broun)
- Coprosma robusta** (karamu). *Hoplocneme hookeri* White; *Macroscytalus remotus* (Sharp); *Notacalles leviculus* (Broun); *Stephanorhynchus lawsoni* Sharp; *Sympedius testudo* Pascoe
- Coprosma serrulata.** *Hoplocneme inaequalis* Broun
- Cordyline banksii** (ti ngahere). *Acalles* sp. E; *Eucossonus comptus* Broun; *Novitas dispar* Broun
- Cordyline indivisa** (toi). *Eucossonus setiger* (Sharp); *Eutassa comata* Broun; *Rhinanisis parvicornis* Sharp
- Corokia buddleioides** (korokia-taranga). *Agathinus tridens* F.
- Corynocarpus laevigatus** (karaka). *Acalles ovalis* Broun; *Acalles terricola* Broun; *Anagotus turbotti* Spiller; *Lasiiorhynchus barbicornis* F.; *Oreda notata* White; *Torostoma apicale* Broun
- Cotula** sp. *Desiantha variabilis* (Broun)
- Crataegus monogyna** (hawthorn). *Acalles crisioides* Broun; *Garyus altus* (Sharp)
- Cyathea dealbata** (ponga, silver fern). *Merisma sharpiana* Wollaston; *Rhinanisis parvicornis* Sharp; *Scolopterus aequus* Broun; *Toura longirostris* Wollaston
- Cyathea medullaris** (mamaku, black tree fern). *Eucossonus comptus* Broun; *Rhinanisis parvicornis* Sharp; *Toura longirostris* Wollaston
- Cyclamen** sp. cult. *Otiiorhynchus sulcatus* (F.)
- Cyperus ustulatus.** *Anagotus* sp. B
- Dacrycarpus dacrydioides** (kahikatea, white pine). *Rhinorhynchus rufulus* (Broun)
- Dacrydium cupressinum** (rimu, red pine), *Phloeophagosoma corvinum* Wollaston
- Dactylis glomerata** (cocksfoot). *Euciodes suturalis* Pascoe
- Daucus carota** var. *sativa* (carrot). *Nicaeana* sp.
- Dianella nigra** (turututu, blue-berry). *Microcryptorhynchus* sp. D
- Dicksonia squarrosa** (wheki, slender tree fern). *Allaorus scutellaris* Broun; *Heteropsis lawsoni* Wollaston
- Dracophyllum latifolium** (neinei, tree grass). *Notacalles piciventris* (Broun); *Peristoreus* sp. E.; *Peristoreus innocens* Kirsch; *Peristoreus maorinus* (Broun)
- Dracophyllum matthewsii** (grass tree). *Peristoreus* sp. F
- Dracophyllum pyramidale** (tree grass). *Microcryptorhynchus multisetosus* Broun
- Dracophyllum traversii** (grass tree). *Peristoreus grossus* (Broun); *Peristoreus* sp. D; *Agathinus tridens* F
- Dysoxylon spectabile** (kohekohe). *Acalles* sp. C
- Entelea arborescens** (whau). *Eiratus* sp.; *Sericotrogus subaenescens* Wollaston
- Eriobotrya japonica** (loquat). *Araecerus palmaris* (Pascoe)
- Ficus carica** (fig). *Cryphalus wapleri* Eichoff
- Fragaria** sp. cult. (strawberry). *Otiiorhynchus ovatus* L
- Freyinetia baueriana** ssp. **banksii** (kiekie). *Clypeolus pascoei* (Broun); *Crisius fasciculatus* Broun; *Microcryptorhynchus* sp. C
- Fuchsia excorticata** (kotukutuku, tree fuchsia). *Acalles* sp. F; *Agastegnus femoralis* (Broun); *Oropterus coniger* White; *Tychanus gibbus* Pascoe.
- Gahnia lacera.** *Scelodolichus lineithorax* Broun Graminae. *Catoptes cuspidatus* (Broun); *Irenimus aequalis* (Broun); *Irenimus compressus* (Broun)
- Griselinia littoralis** (kapuka, broadleaf). *Peristoreus discoideus* (Broun)
- Griselinia lucida** (puka, shining broadleaf). *Peristoreus discoideus* (Broun)
- Haloragis erecta.** *Rhadinosomus acuminatus* Schoenherr
- Hebe elliptica.** *Notacalles planidorsis* (Kirsch); *Oreocalus* sp. C
- Hebe macrocarpa** (koromiko). *Hoplocneme punctatissima* Pascoe; *Hoplocneme* sp. A; *Oreda brevis* Pascoe; *Oreocalus albosparsus* Broun; *Simachus montanus* Broun
- Hebe odora.** *Oreocalus hebe* Marshall
- Hebe pauciramosa** var. **masonae**. *Inophloeus aplorinus* Broun; *Lithocia* sp.
- Hebe rakaiensis.** *Oreugnomus* sp.
- Hebe stricta.** *Oreocalus cinnamomeus* White; *Oreocalus pullatus* Broun; *Oreugnomus* sp.
- Hebe stricta** var. **egmontiana.** *Oreocalus* sp. A
- Hebe tetragona** (whipcord Hebe). *Oreocalus* sp. B; *Oreocalus* sp. E
- Hebe topiaria.** *Phrynixus binodosus* Broun
- Hebe vernicosa.** *Oreocalus* sp. D
- Hedycarya arborea** (porokaiwhiri, pigeonwood). *Pentarthrum zealandicum* Wollaston
- Hoheria populnea** (houhere, lacebark). *Aneuma comptus* Broun; *Pactola demissa* Pascoe; *Peristoreus* sp. G; *Peristoreus stramineus* (Broun)
- Knightia excelsa** (rewarewa). *Acalles ruficollis* Broun
- Lepospermum scoparium** (kanuka). *Psepholax tibialis* Broun
- Libertia ixioides** (mikoikoi). *Microcryptorhynchus* sp. E
- Lolium** sp. (ryegrass). *Desiantha diversipes lineata* Pascoe (polyphagous)
- Lupinus arboreus** (tree lupin). *Crisius variegatus* Broun; *Phloeophagosoma dilutum* Wollaston
- Lupinus luteus.** *Cecyropa discors* Broun (polyphagous)
- Macropiper excelsum** (kawakawa). *Cacephatus huttoni* (Sharp); *Pentarthrum zealandicum* Wollaston; *Phloeophagosoma browni* Kuschel

- Medicago polymorpha** (medick). *Sitona discoideus* Gyllenhal
- Melicitya** sp. *Oreda notata* White; *Pentarthrum zealandicum* Wollaston
- Meryta Sinclairii** (puka). *Dysnocryptus inflatus* (Sharp)
- Metrosideros excelsa** (pohutukawa). *Neocyba metrosideros* (Broun); *Strongylopterus hylobioides* (White)
- Metrosideros fulgens** (climbing rata). *Neomycta rubida* Broun
- Metrosideros kermadecensis** (Kermadecs rata). *Neomycta rubida* Broun
- Metrosideros robusta** (northern rata). *Allaorus urquharti* Broun; *Dolicoceuthus vestitus* Broun; *Phronira osculans* Broun; *Phrynixus astutus* Pascoe; *Scelodolichus celsus* (Broun)
- Moss (unidentified). *Bryocatus* sp. A
- Muehlenbeckia australis**. *Pachyops dubius* (Wollaston); *Peristoreus acceptus* (Broun)
- Muehlenbeckia complex** (pohuehue). *Peristoreus titahensis* (Broun)
- Myoporum laetum** (ngaio). *Anagotus turbotti* Spiller; *Oreda brevis* Pascoe; *Sympedius testudo* Pascoe
- Myrsine divaricata**. *Notacalles suillus* Kuschel
- Nestegis lanceolata** (white maire). *Gonorocterus spinicollis* Broun; *Nyxetes bidens* (F.); *Sympedius vexatus* Pascoe
- Nothofagus fusca** (red beech). Undetermined eugnomine sp. B
- Nothofagus menziesii** (silver beech). *Acalles* sp. B; *Alloprocas rufus* Broun; *Aneuma spinifer* Broun; *Crisus signatus* Broun; *Rhinanisus sagax* Broun
- Nothofagus solandri** var. **cliffortioides** (mountain beech). *Acallus* sp. C; *Acalles* sp. G; *Acalles peelensis* Broun; *Rhynchodes ursus* White
- Nothofagus solandri** var. **solandri** (black beech). *Neomycta seticeps* Broun; *Notochoragus crassus* (Sharp); *Pleosporius bullatus* (Sharp)
- Nothofagus truncata** (hard beech). *Neomycta pulicaris* Pascoe; *Peristoreus concolor* (Broun)
- Olearia arborescens**. *Pachyderris punctiventris* Broun; *Peristoreus fusconotatus* (Broun)
- Olearia colensoi grandis**. *Exeiratus setarius* (Broun); *Pentarthrum spadiceum* (Broun); *Peristoreus oleariae* (Broun)
- Olearis furfuracea** (akepiro). *Dasyanthribus purpureus* (Broun); *Peristoreus leucocomus* (Broun); *Tychanus gibbus* Pascoe
- Olearia lyalli**. *Exeiratus laquaerum* Kuschel
- Olearia rani** (heketara). *Didymus impexus* (Pascoe); **Hoplocneme** sp. B; *Mesoreda sulcifrons* Broun; *Peristoreus fusconotatus* (Broun); *Psepholax sulcatus* White; *Strongylopterus hylobioides* (White); *Tychanus lachrymosus* Broun
- Oreobolus pectinatus**. *Bryocatus* sp. B; *Crisius* sp. E.
- Paratrophis microphylla** (turepo, milk tree). *Notacalles* sp. C
- Parsonia heterophylla** (kaiwhiria). *Pachyops dubius* (Wollaston)
- Paspalum paspalodes**. *Linogeraeus urbanus* Boheman
- Passiflora tetrandra** (kohia, native passion-flower). *Acalles* sp. C; *Crisius variegatus* Broun; *Phloeophagosoma brouni* Kuschel
- Pennisetum clandestinum** (kikuyu grass). *Sphenophorus brunnipennis* (Germer)
- Phebalium nudum** (mairehau). *Maleuterpes spinipes* Blackburn
- Phebalium squameum**. *Maleuterpes spinipes* Blackburn
- Phormium tenax** (harakeke, N.Z. flax) *Hadracalles fuliginosus* Broun; *Novitas dispar* Broun; *Phloeophagosoma thoracicum* Broun
- Phyllocladus aspleniifolius** var. **alpinus** (mountain toatoa). *Praolepra rufescens* (Broun); *Rhinorhynchus* sp.
- Pinus** sp. *Mesites pallidipennis* Boheman; *Phronira simplex* Broun (old wooden box); *Phrynixus astutus* Pascoe (boxwood)
- Pittosporum crassifolium** (karo). *Karocolens pittospori* Kuschel; *Stephanorhynchus crassus* Broun
- Pittosporum tenifolium** (kohukohu). *Aneuma fulvipes* Pascoe; *Aneuma rubricale* (Broun); *Chaetoptelius mundulus* (Broun); *Mesoreda sulcifrons* Broun; *Peristoreus fasciatus* (Broun); *Psepholax femoratus* Broun; *Sharpus brouni* (Sharp); *Touropsis brevirostris* (Sharp)
- Plagianthus betulinus** (manatu, lowland ribbonwood). *Peristoreus durus* (Broun)
- Plagianthus divaricatus** (salt-marsh ribbonwood). *Peristoreus australis* (Broun)
- Plantago lanceolata** (narrow leaved plantain). *Gymnetron pascuorum* Gyllenhal
- Poa foliosa**. *Catoptes* sp.
- Podocarpus totara** (totara). *Peristoreus flavitarsis* (Broun)
- Polygonum persicaria** (willow weed). *Rhinoncus bruchoides* Herst
- Polyphagous**. *Asynonychus cervinus* Boheman; *Graphognathus leucoloma* Boheman; *Gromilus insularis robustus* (Brookes); *Gromilus veneris setarius* (Broun); *Listroderes obliquus* Klug; *Oclandius cinereus* (Blanchard); *Otiiorhynchus ovatus* L.; *Otiiorhynchus rugosostriatus* (Goeze); *Otiiorhynchus sulcatus* (F); *Phlyctinus callosus* Boheman; *Sargon quadrinodosus* (Brookes)
- Polystichum vestitum** (prickly shield fern). *Rysstheus notabilis* Broun
- Polytrichadelphus magellanicus** (moss). *Bryocatus amplus* Broun
- Prumnopitys ferruginea** (miro). *Acalles* sp. A; *Torostoma apicale* Broun
- Pseudopanax arboreus** (five-finger). *Eiratus suavis* Broun; *Kentraulax murina* Broun; *Mecistostylus douei* Lacordaire; *Psepholax crassicornis* Broun; *Psepholax simplex* Pascoe; *Scolopterus penicillatus* White; *Stephanorhynchus attelaboides* F.; *Stephanorhynchus curvipes* White
- Pseudopanax colensoi** (orihou). *Protogonoum helmsiana* Sharp

- Pseudopanax crassifolius** (horoeka, lancewood). *Clypeolus pascoei* (Broun); *Phronira osculans* Broun
- Pseudopanax edgerleyi** (raukawa). *Psepholax crassicornis* Broun
- Pseudopanax lessonii** (houpara). *Eiratus parvulus* Pascoe; *Pactola variabilis* Pascoe; *Platycephala wollastoni* Sharp
- Pseudopanax simplex** (haumakaroa). *Phrynixus* sp.
- Pseudowintera colorata** (horopito, pepper tree). *Phrynixus differens* Broun; *Acalles* sp. C; *Peristoreus dilucidus* (Broun).
- Psilopilum australe** (moss). *Bryocatus serripes* (Kuschel)
- Pteridium esculentum** (bracken). *Sericotrogus subaenescens* Wollaston
- Rhipogonum scandens** (supplejack). *Acalles* sp. D; *Pachyops dubius* (Wollaston)
- Rhopalostylis sapida** (nikau palm). *Arecocryptus bellus* Broun; *Arecopais spectabilis* (Broun); *Arecophaga varia* Broun; *Eucossonus comptus* Broun; *Notacalles* sp. D; *Stenotrupis debile* Sharp; *Stenotrupis wollastonianum* (Sharp)
- Rubus cissoides** (bush lawyer). *Acalles* sp. D; *Tychanus verrucosus* Pascoe
- Schefflera digitata** (pate). *Indecentia nubila* Broun; *Cossoninae*. New genus, new sp.
- Sophora microphylla** (kowhai). *Oreda brevis* Pascoe; *Psepholax femoratus* Broun
- Stilbocarpa lyallii**. *Gromilus* sp.
- Tetragonia trigyna**. *Microtribus huttoni* (Wollaston)
- Todea hymenophylloides** (heruheru). *Agacalles* sp.; *Rytheus notabilis* Broun
- Toronia toru** (toru). *Pachyurinus rubicundus* (Broun); *Proconus asperirostris* Broun
- Trifolium repens** (white clover). *Brachyolus obscurus* (Sharp); *Brachyolus posticalis* Broun; *Floresianus sordidus* Hustache; *Mandalotus microllis* Broun (polyphagous); *Nicaeana cervina* Broun (polyphagous)
- Trifolium subterranum** (subterranean clover). *Listroderes delaigui* Germain
- Typha orientalis** (raupo). *Desiantha ascita* (Pascoe)
- Urostemon kirkii** (Kirk's daisy). *Notacalles leviculus* (Broun)
- Vitex lucens** (puriri). *Andracalles horridus* (Broun); *Didymus erroneus* (Pascoe); *Didymus impexus* (Pascoe)
- Weinmannia racemosa** (kamahi). *Psepholax tibialis* Broun
- Wood. (Decaying log) *Paromalina vestita* (Broun). (Log) *Paedaretus hispidus* Pascoe; *Psepholax mediocris* Broun

A New Zealand histerid beetle of Fabricius mistakenly described from Australia (Coleoptera: Histeridae)

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Abstract

Saprinus detritus (Fabricius, 1775; as *Hister*) described from Australia has turned out to be a species endemic to New Zealand. The beetle was well known in New Zealand for over 100 years under the wrong name of *Saprinus pseudocyaneus* White, 1846 (a junior synonym of *S. cyaneus* (Fabricius, 1775)), which conversely had been described from New Zealand whilst being, in fact, an Australian species. *Saprinus antipodus* Dahlgren, 1971 becomes a junior synonym of *S. detritus* (Fabricius).

Keywords: Coleoptera; Histeridae; *Saprinus detritus*; *Saprinus pseudocyaneus*; Australia; New Zealand; Fabricius.

In a recent paper on the Fabrician types of Australia and New Zealand Coleoptera, Radford (1981) pointed out that *Hister detritus* described by Fabricius in 1775 from Australia was "probably a New Zealand species". On checking the early descriptions of Fabricius, Olivier, and the notes of Radford, this assumption was confirmed for one of the more common and widespread species of *Saprinus* confined to the New Zealand fauna. The genus *Saprinus* Erichson occurs in all biogeographical regions and is represented also in New Zealand with a few endemic species found on older bodies of dead fish, birds and mammals, and occasionally in dung.