

INSECTS OF CAMPBELL ISLAND. PHTHIRAPTERA

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Abstract: Over 25 species of biting lice (1 on sheep; rest from sea birds) and 2 species of sucking lice (from rat and sea lion), were taken on Campbell I.

MALLOPHAGA

Family MENOPONIDAE

Austromenopon affine (Piaget), 1890Type host: *Diomedea exulans* Linn.CAMPBELL I.: ♂♂ and ♀♀ from *Diomedea e. epomophora*.**Austromenopon ossifragae** Eichler, 1949Type host: *Macronectes giganteus* (Gmelin).

CAMPBELL I.: ♂♂ and ♀♀ from the type host.

Austromenopon elliotti Timmermann, 1954Type host: *Pelecanoides urinatrix* (Gmelin).CAMPBELL I.: ♀♀ from *Pelecanoides urinatrix exsul* are almost certainly this species, though ♂♂ are needed to confirm the identification.

Family PHILOPTERIDAE

Austrogoniodes concii (Kéler, 1952)Type host: *Eudyptes crestatus* (J. F. Miller).CAMPBELL I.: ♂♂ and ♀♀ from *Eudyptes pachyrhynchus sclateri* belong to this species. It has previously been taken from this host on the Antipodes Is. and New Zealand (collection of the Canterbury Museum, Christchurch, New Zealand).**Austrogoniodes cristati** Kéler, 1952Type host: *Eudyptes crestatus* (J. F. Miller).CAMPBELL I.: ♂♂ and ♀♀ taken from rockhopper penguin's nest. This species has been taken in addition to the type host from a number of penguins, namely: *Eudyptes chrysolophus*, *E. chrysocome* (Macquarie I.; collection of A.N.A.R.E.) and *E. pachyrhynchus sclateri* (New Zealand; Canterbury Museum).

Harrisoniella hopkinsi Eichler, 1952

Type host: *Diomedea exulans* Linn.

CAMPBELL I.: ♂♂ and ♀♀ from *Diomedea e. epomophora*. Kéler 1957: 504 recorded this species from the same host.

Harrisoniella grandis (Piaget, 1880)

Type host: *Stercorarius* sp.

CAMPBELL I.: A ♀ nymph and ♀♀ from *Catharacta skua lonnbergi* are *H. grandis* which has previously been taken from this host species.

Perineus Harrison, 1936

There are 2 distinct groups of species included in this genus, which may have to be separated generically. They are listed here under *Perineus sens. str.* and *sens. lat.*

Perineus sens. str.

CAMPBELL I.: ♀♀ from *Diomedea e. epomophora* and *Diomedea chrysostoma* are not identifiable without ♂♂.

Perineus sens. lat.**Perineus (s. l.) diomedae** (J. C. Fabricius, 1775)

Fig. 1.

Type host: *Diomedea melanophris* Temminck.

CAMPBELL I.: ♂♂ and ♀♀ from the type host and *Phoebetria palpebrata*; it is well known from both these host (see Clay, 1940: 302).

Perineus (s. l.) obscurus (Rudow, 1869)

Type host: *Macronectes giganteus* (Gmelin).

CAMPBELL I.: ♂♂ and ♀♀ from type host.

Perineus (s. l.) sp.

CAMPBELL I.: A ♀ from *Diomedea chrysostoma* is not identifiable without a ♂.

Halipeurus sp.

CAMPBELL I.: Nymphs from *Puffinus griseus* are not identifiable.

Philoceanus garrodiae (Clay, 1940)

Type host: *Garrodia nereis* (Gould).

CAMPBELL I.: ♂♂ and ♀♀ from the type host,

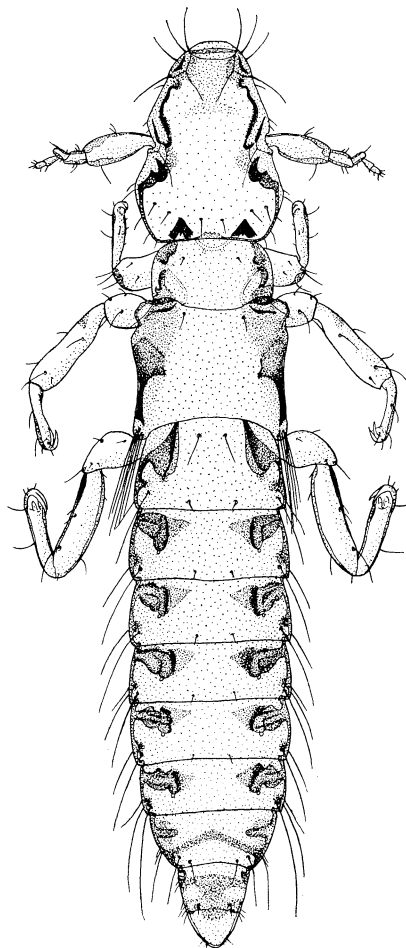


Fig. 1. *Perineus diomedae*, dorsal view of ♂.

Pelmatocerandra setosa (Giebel, 1876)

Type host: *Pelecanoides urinatrix exsul* Salvin.

CAMPBELL I.: ♂♂ and ♀♀ from the type host.

Trabeculus hexacon (Waterston, 1914)

Type host: *Procellaria aequinoctialis* Linn.

CAMPBELL I.: ♂♂ and ♀♀ from *Puffinus griseus* are included under this species as *sensu lato*. This term denotes that these specimens from the population parasitic on *Puffinus griseus*, belong to the species *T. hexacon*, but differ somewhat (in measurements) and do not warrant nomenclatorial recognition (see also Clay, 1962: 200).

Docophoroides brevis (Dufour, 1835)

Type host: *Diomedea exulans* Linn.

CAMPBELL I.: ♂♂ and ♀♀ from *Diomedea epomophora*. A nymph from the type host probably also belongs to this species.

Docophoroides murphyi (Kellogg, 1914)

Type host: *Macronectes giganteus* (Gmelin).

CAMPBELL I.: ♂♂ and ♀♀ from the type host.

Pectinopygus

Identification of material in this genus must be postponed.

Saemundssonina stresemanni Timmermann, 1949

Type host: *Catharacta s. skua* Brünnich.

CAMPBELL I.: ♂♂ and ♀♀ from *Catharacta skua lonnbergi* belong to this species.

Saemundssonina lari (O. Fabricius, 1780)

Type host: *Larus hyperboreus* Gunnerus.

CAMPBELL I.: ♂♂ and ♀♀ from *Larus dominicanus* and *Larus novaehollandiae scopulinus* are included under this species as *sens. lat.* See under *Trabeculus* for discussion of this term.

Saemundssonina sp.

CAMPBELL I.: ♀♀ from *Starna vittata bethunei* are not identifiable without ♂♂.

Quadriceps fuscolaminulatus (Enderlein, 1908)

Type host: *Larus dominicanus* Lichtenstein.

CAMPBELL I.: ♂♂ and ♀♀ from type host.

Quadriceps lingulatus (Waterston, 1914)

Type host: *Larus novaehollandiae hartlaubii* Bruch.

CAMPBELL I.: ♂♂ and ♀♀ from *Larus novaehollandiae scopulinus* belong to this species.

Family TRICHODECTIDAE

Damalinia ovis (Schrank, 1781)Type host: *Ovis aries* Linn.

CAMPBELL I.: ♂♂ and ♀♀ from the type host.

ANOPLURA

Family HOPLOPLEURIIDAE

Polyplax spinulosa (Burmeister, 1839)Type host: *Rattus norvegicus* (Berkenhout).

CAMPBELL I.: ♂♂ and ♀♀ from rats.

Family ECHINOPHTHIRIDAE

Antarctophthirus microchir (Trouessart & Neumann, 1888)Type host: *Otaria hookeri* Gray.

CAMPBELL I.: A ♂ and ♀ from the type host.

HOST—PARASITE LIST

Birds

SPHENISCIFORMES

*Eudyptes pachyrhynchus sclateri**Austrogoniodes concii* (Kéler, 1952).*Eudyptes crestatus crestatus**Austrogoniodes cristati* Kéler, 1952.

PROCELLARIIFORMES

*Diomedea e. epomophora**Austromenopon affine* (Piaget, 1890).*Harrisoniella hopkinsi* Eichler, 1952.*Perineus (sens. lat.)* sp.*Docophoroides brevis* (Dufour, 1835).*Diomedea melanophris impavida**Perineus diomedae* (J. C. Fabricius, 1775).*Diomedea chrysostoma**Perineus (sens. str.)* sp.*Perineus (sens. lat.)* sp.*Diomedea e. exulans**Docophoroides* sp.*Phoebetria palpebrata**Perineus diomedae* (J. C. Fabricius, 1775).*Macronectes giganteus**Austromenopon ossifragae* Eichler, 1949.*Docophoroides murphyi* (Kellogg, 1914).*Perineus obscurus* (Rudow, 1869).*Puffinus griseus**Trabeculus hexacon* (Waterston, 1914) *sens. lat.**Halipeurus* sp.*Garrodia nereis**Philoceanus garrodiae* (Clay, 1940).*Pelecanoides urinatrix exsul**Austromenopon* probably *elliotti* Timmermann, 1954.*Pelmatocerandra setosa* (Giebel, 1876).

PELECANIFORMES

*Phalacrocorax c. campbelli**Pectinopygus* sp.

CHARADRIIFORMES

*Stercorarius skua lonnbergi**Saemundssonina stresemanni* Timmermann, 1949.*Larus dominicanus**Harrisoniella grandis* (Piaget, 1880).*Quadriceps fuscolaminulatus* (Enderlein, 1908).*Larus novaehollandiae scopulinus**Saemundssonina lari* (O. Fabricius, 1780)
*sens. lat.**Quadriceps lingulatus* (Waterston, 1914).*Saemundssonina lari* (O. Fabricius, 1780)
*sens. lat.**Sterna vittata bethunei**Saemundssonina* sp. ♀♀ only.

Mammals

Sheep

Damalinea ovis (Schrank, 1781).

Rats

Polyplax spinulosa (Burmeister, 1839).*Otaria hookeri**Antarctophthirus microchir* (Troessart & Neumann, 1888).

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