

Superfamily SCIOMYZOIDEA

84. Family COELOPIDAE

By Wayne N. Mathis

Coelopids are commonly known as seaweed or kelp flies. The family contains less than 25 species worldwide, with nearly half occurring in the temperate areas of the Australasian Region. Elsewhere in the world the family is also found in temperate areas, with species occurring in the southern Afrotropical and Holarctic Regions. Several additional species from the Australasian Region await description.

There is considerable intraspecific variation in some species, especially in overall size, wing

length, and setal characters. The plasticity found in many "traditional" characters has led to considerable splitting at the generic level.

Under normal conditions coelopids are found in the wrack zone of temperate seashores where larvae exploit stranded and rotting seaweed. Specimens are sometimes very abundant in this habitat. *Coelopa frigida* (Fabricius) has been reared in the laboratory and used for genetic studies.

Ref.: Malloch (1933c, key).

Genus BAEOPTERUS Lamb

BAEOPTERUS Lamb, 1909: 141. Type species: *Baeopterus robustus* Lamb, 1909, mon. *PAEOPTERUS*, error for *Baeopterus*.

Subgenus BAEOPTERUS Lamb

BAEOPTERUS Lamb, 1909: 141 (as gen.). Type species: *Baeopterus robustus* Lamb, 1909, mon. **robustus** Lamb, 1909: 142. NZ (Campbell I); NZ (Auckland Is).

Subgenus PROTOCOELOPA Malloch

PROTOCOELOPA Malloch, 1933c: 345 (as gen.). Type species: *Protoceolopa philpotti* Malloch, 1933, orig. des.

philpotti Malloch, 1933c: 346 (*Protoceolopa*). NZ (NZ); NZ (Chatham Is). **N. comb.**
longipes Hendel, 1937: 192 (*Baeopterus*). NZ (NZ).

Genus ICARIDION Lamb

ICARIDION Lamb, 1909: 140. Type species: *Icaridion nasutum* Lamb, 1909, mon.

debile Lamb, 1909: 140 (*Coelopa*). NZ (Campbell I); Macquarie I, widesp. NZ. **N. comb.**
nigrifrons Lamb, 1909: 140 (*Coelopa*). Macquarie I.

nasutum Lamb, 1909: 141. NZ (Campbell I); NZ (Antipodes Is, Auckland Is).

Genus CHAETOCOELOPA Malloch

CHAETOCOELOPA Malloch, 1933c: 350. Type species: *Coelopa monstrosa* Hutton, 1901 [= *Coelopa littoralis* Hutton, 1881], orig. des.

huttoni Harrison, 1959: 103. NZ (NZ).

littoralis Hutton, 1881: 69 (*Coelopa*). NZ (NZ).

monstrosa Hutton, 1901: 80 (*Coelopa*). NZ (NZ).

sydneyensis Schiner, 1868: 231 (*Phycodroma*). Australia (NSW).

Genus DASYCOELOPA Malloch

DASYCOELOPA Malloch, 1933c: 348. Type species: *Dasycoelopa australis* Malloch, 1933, orig. des. **australis** Malloch, 1933c: 349. Australia (Qld); Australia (NSW).

Genus COELOPA Meigen

COELOPA Meigen, 1830: 8. Type species: *Musca frigida* Fabricius, 1805 [= *Coelopa pilipes* Haliday, 1838], mon.

CAELOPA, error for *Coelopa*.

Subgenus COELOPA Meigen

COELOPA Meigen, 1830: 8 (as gen.). Type species: *Musca frigida* Fabricius, 1805 [= *Coelopa pilipes* Haliday, 1838], mon.

palauensis Hardy, 1957b: 44. Micronesia; Belau.

Subgenus FUCOMYIA Haliday

FUCOMYIA Haliday in Curtis, 1837b: 280 (as gen.). Type species: *Musca frigida* Fabricius, 1805, des. Westwood, 1840: 144. [Published in synonymy; first made available in Haliday, 1838: 186.]

curvipes Hutton, 1902a: 172. NZ (Auckland Is); NZ (NZ).

stejnegeri Aldrich, 1929: 5. St. Paul I (Bering Sea); Hawaiian Is [intercepted; not established]; Canada, USA (Alaska).

Genus COELOPELLA Malloch

COELOPELLA Malloch, 1933c: 348. Type species: *Coelopella plebeia* Malloch, 1933, orig. des. **plebeia** Malloch, 1933c: 348. NZ (NZ); Macquarie I.

macquariensis Womersley, 1937b: 72. Macquarie I.

plebeja, error for *plebeia*.

Unplaced species of Coelopidae

offendens Walker, 1861a: 320 (*Coelopa*). Australia (Tas). *Nomen dubium*.