

Division SCHIZOPHORA – CALYPTRATAE

Superfamily MUSCOIDEA

106. Family ANTHOMYIIDAE

By Adrian C. Pont

The Anthomyiidae, like the Fanniidae, are best represented in the Holarctic Region. The family contains some 1,100 species, with very few occurring in the Australasian/Oceanian Regions. It is unlikely that many additional endemic species will be found.

Adult anthomyiids are generally retiring in habit, preferring wooded or moist habitats, but a

few are synanthropic. Larval habitats are largely unknown but seem to be diverse: some species are well-known agricultural pests (*Delia platura*), while others are scavengers in decaying organic matter (*Anthomyia*, *Fucellia*) or are phytophagous (*Botanophila*).

Refs.: Hennig (1965-1976, classif.), Snyder (1965, *Fucellia* spp.), Colless (1982, rev. Australian spp.).

Genus ANTHOMYIA Meigen

ANTHOMYIA Meigen, 1803: 281. Type species: *Musca pluvialis* Linnaeus, 1758, des. Latreille, 1810: 44.

CRASPEDOCHOETA Macquart, 1851: 241(268). Type species: *Anthomyia punctipennis* Wiedemann, 1830, orig. des.

ANTHOMYIA, error for *Anthomyia*.

CRASPEDOCHAETA, error for *Craspedochoeta*.

fumipennis Stein, 1919b: 210. Indonesia (Irian Jaya); PNG (PNG).

medialis Colless, 1982: 87. Australia (Qld); Australia (NSW).

pluvialis Linnaeus, 1758: 597 (*Musca*). "Europa"; Australia (NSW) [accidental introduction]; Nearctic, Palearctic Regs.

punctipennis Wiedemann, 1830a: 435. Uruguay; widesp. Australia (excl. NT), Lord Howe I, NZ (NZ); S. Afr., Neotrop. Reg.

deceptiva Malloch, 1921c: 428 (*Hylemyia*). NZ (NZ). [Preocc. Fitch, 1856.]

silvestris Colless, 1982: 86. Australia (Qld); ?Indonesia.

vicarians Schiner, 1868: 298 Australia (NSW); Australia (Qld, SA), Bonin Is, Hawaiian Is, Kiribati (Gilbert Is), Micronesia.

illocata, authors, not Walker, 1856, misid.

Genus BOTANOPHILA Lioy

BOTANOPHILA Lioy, 1864a: 990. Type species: *Anthomyia varicolor* Meigen, 1826, mon.

PEGOHYLEMYIA Schnabl, 1911: 75 (*Hylemyia* subg.). Type species: *Musca cinerea* Fallén, 1824 [preocc., = *Egeria silvatica* Robineau-Desvoidy, 1830], des. Hockett, 1965: 852.

jacobaee Hardy, 1872: 254 (*Anthomyia*). Britain; S Australia [introduced; not established], NZ (NZ) [introduced].

seneciella Meade, 1892a: cxvi [1892b: cxvi] (*Phorbia*). England; S Australia [introduced; not established], NZ (NZ) [introduced]; Nearctic [introduced], Palearctic Regs.

Genus DELIA Robineau-Desvoidy

- DELIA** Robineau-Desvoidy, 1830: 571. Type species: *Delia floricola* Robineau-Desvoidy, 1830, des. Coquillett, 1910: 531.
- platura** Meigen, 1826: 171 (*Anthomyia*). Germany; widesp. Australia (excl. NT), Hawaiian Is, NZ (NZ); cosmopol.
- cana* Macquart, 1835: 340 (*Anthomyia*). France.
- fusciceps* Zetterstedt, 1845: 1552. Denmark.
- rubrifrons* Macquart, 1851: 240(267) (*Anthomyia*). Australia (WA).
- cilicrura* Rondani, 1866a: 164 (*Chorthophila*). Italy.
- platygaster* Thomson, 1869: 556 (*Anthomyia*). Australia (NSW).
- rava* Hutton, 1901: 74 (*Homalomyia*). NZ (NZ).
- novaezealandiae* Hutton, 1901: 76 (*Phorbia*). NZ (NZ).
- brassicae*, authors, not Wiedemann, 1817, misid.
- urbana** Malloch, 1924c: 139 (*Hylemyia*). Australia (NSW); Australia (Qld, SA), Lord Howe I, Norfolk I.

Genus FUCELLIA Robineau-Desvoidy

- FUCELLIA** Robineau-Desvoidy, 1842: 269. Type species: *Fucellia arenaria* Robineau-Desvoidy, 1842 [= *Scatophaga maritima* Haliday, 1838], mon.
- apicalis** Kertész, 1908a: 71. China; Bonin Is; E Palearctic Reg.
- boninensis** Snyder, 1965: 204. Bonin Is; Hawaiian Is.
- tergina** Zetterstedt, 1845: 1690 (*Anthomyza*). Sweden; Australia (NSW, WA), Easter I; Afrotrop. (Gough I, Tristan da Cunha), Nearctic, Neotrop., Palearctic, Subantarctic Regs.
- maritima*, authors, not Haliday, 1838, misid.

Genus PAREGLE Schnabl

- PAREGLE** Schnabl, 1911: 71 (*Hylemyia* subg.). Type species: *Musca radicum* Linnaeus, 1758 [misid., = *Musca audaculus* Harris, 1780], des. Hockett, 1924: 4, 39.
- audacula** Harris, 1780: 121, pl. 35, fig. 41 (*Musca*). England; Australia (Tas, Vic); Nearctic, Palearctic Regs.
- radicum*, authors, not Linnaeus, 1758, misid.