

Checklist of the families Opetiidae and Platypezidae (Diptera) of Finland

Gunilla Ståhls¹

¹ Finnish Museum of Natural History, Zoology Unit, P.O. Box 17, FI-00014 University of Helsinki, Finland

Corresponding author: Gunilla Ståhls (gunilla.stahls@helsinki.fi)

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Abstract

A checklist of the Opetiidae and Platypezidae (Diptera) recorded from Finland.

Keywords

Checklist, Finland, Diptera, Opetiidae, Platypezidae

Introduction

Opetiidae and Platypezidae are small families of small-sized flies. Platypezidae are principally forest insects, and all known larvae develop in fungi. New host fungi records were recently reported in Reemer et al. (2014), Ståhls et al. (submitted) and Ståhls and Rättel (2013).

The Finnish species were last listed by Hackman (1980) and Chandler (2001). Chandler (2001) included one and 21 species of Opetiidae and Platypezidae, respectively. Ståhls and Kahanpää (2006), Winqvist (2011), Ståhls et al. (2014), Reemer et al. (2014) and Ståhls and Rättel (2013) added altogether 12 species of family Platypezidae. *Bolopus furcatus* was included in Hackman (1980) but not in Chandler (2001), Ståhls et al. (2012) reported the taxon from Finland again. *Agathomyia* (subfamily Calomyiinae) is the largest genus of the Platypezidae. A recent study reinstated two *Agathomyia* species from synonymy (*A. boreella* Zetterstedt and *A. scutellaris* Zetterstedt) and two species were described as new to science (Ståhls et al. submitted). The taxonomic

status of *A. dahlbomi* (Zetterstedt), presently listed as synonym of *A. elegantula* (Zetterstedt), remains unclear. *Callomyia elegans* and *Protoclythia modesta* are only known from previous single records, their occurrence has not been verified with new findings.

Chandler and Shatalkin (1998) and Chandler (2001) provided keys to subfamilies, genera and species of adult Palaearctic Platypezidae, and key to genera of known early stages of Platypezidae. Ståhls et al. (submitted) provided a key to Northern European *Agathomyia* spp.

Number of species (Opetiidae, Platypezidae):

World: 102, 252 species (Pape et al. 2011)

Europe: 1, 46 species

Finland: 1, 38 species

Faunistic knowledge level in Finland: average

Checklist

suborder Brachycera Macquart, 1834

clade Eremoneura Lameere, 1906

clade Cyclorrhapha Brauer, 1863

infraorder Aschiza Becher, 1882

superfamily Phoroidea Curtis, 1833

OPETIIDAE Rondani, 1856

OPETIA Meigen, 1830

Opetia nigra Meigen, 1830

PLATYPEZIDAE Fallén, 1815

CALLOMYIINAE Rondani, 1841

AGATHOMYIA Verrall, 1901

Agathomyia alneti Ståhls & Rättel, in prep.

Agathomyia antennata (Zetterstedt, 1819)

Agathomyia boreella (Zetterstedt, 1838)

Agathomyia cinerea (Zetterstedt, 1852)

Agathomyia elegantula (Fallén, 1815)

= *dahlbomi* (Zetterstedt, 1838)

Agathomyia falleni (Zetterstedt, 1819)

Agathomyia lundbecki Chandler in Shatalkin, 1985

Agathomyia sexmaculata (von Roser, 1840)

Agathomyia scutellaris (Zetterstedt, 1838)

Agathomyia shatalkini Ståhls, in prep.

Agathomyia unicolor Oldenberg, 1928

Agathomyia vernalis Shatalkin, 1981

- Agathomyia viduella* (Zetterstedt, 1838)
Agathomyia wankowiczii (Schnabl, 1884)
Agathomyia woodella Chandler in Shatalkin, 1985
 = *elegantula* auct. nec (Fallén, 1815)
Agathomyia zetterstedti (Wahlberg in Zetterstedt, 1844)
CALLOMYIA Meigen, 1804
Callomyia amoena Meigen, 1824
Callomyia elegans Meigen, 1804
 = *leptiformis* (Fallén, 1810)
Callomyia krivosheinae Shatalkin, 1982
Callomyia speciosa Meigen, 1824
 = *humeralis* Loew, 1869
MICROSANIINAE Enderlein, 1936
MICROSANIA Zetterstedt, 1837
Microsania capnophila Shatalkin, 1985
Microsania collarti Chandler, 2001
Microsania pallipes (Meigen, 1830)
Microsania pectipennis (Meigen, 1830)
 = *pectinipennis* emend.
Microsania straeleni Collart, 1954
Microsania vrydaghi Collart, 1954
PLATYPEZINAE Fallén, 1815
BOLOPUS Enderlein, 1932
Bolopus furcatus (Fallén, 1826)
PARAPLATYPEZA Kessel & Maggioncalda, 1968
Paraplatypeza atra (Meigen, 1804)
Paraplatypeza bicincta (Szilády, 1941)
PLATYPEZA Meigen, 1803
Platypeza aterrima Walker, 1836
Platypeza consobrina Zetterstedt, 1844
Platypeza fasciata Meigen, 1804
Platypeza hirticeps Verrall, 1901
PLATYPEZINA Wahlgren, 1910
Platypezina connexa (Bohemann, 1858)
POLYPORIVORA Kessel & Maggioncalda, 1968
Polyporivora boletina (Fallén, 1815)
Polyporivora ornata (Meigen, 1838)
 = *infumata* (Haliday, 1838)
Polyporivora picta (Meigen, 1830)
PROTOCLYTHIA Kessel, 1950
Protoclythia modesta (Zetterstedt, 1844)
SERI Kessel & Maggioncalda, 1966
Seri obscuripennis (Oldenberg, 1916)

References

- Chandler PJ (2001) The flat-footed flies (Diptera: Opetiidae and Platypezidae) of Europe. *Fauna Entomologica Scandinavica* 36: 1–276.
- Hackman W (1980) A check list of the Finnish Diptera. *Notulae entomologicae* 60: 17–48, 117–162.
- Pape T, Blagoderov V, Mostovski MB (2011) Order Diptera Linnaeus, 1758. In: Zhang Z-Q (Ed) *Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness*. *Zootaxa* 3148: 222–229. <http://www.mapress.com/zootaxa/2011/flzt03148p229.pdf>
- Shatalkin AI (1985) A review of the flat-footed flies (Diptera, Platypezidae) of USSR. *Sbornik Trudy zoologicheskii Muzei Moskovskii Gasudarstvennyi Universitet* 23: 69–136. [in Russian]
- Reemer M, Ståhls G, Rättel E (2014) Host fungus of *Agathomyia sexmaculata* (Diptera: Platypezidae) and notes on breeding biology. *Sahlbergia*, submitted.
- Ståhls G, Kahanpää J (2006) New data on Platypezidae and Opetiidae (Diptera) of Finland. *Sahlbergia* 11: 1–6.
- Ståhls G, Rättel E, Muona J (2012) *Bolopus furcatus* (Fallén, 1826) (Diptera, Platypezidae) rediscovered in Finland. *Sahlbergia* 18: 29–32.
- Ståhls G, Rättel E (2013) The genus *Microsanina* (Platypezidae, Microsaninae) in Finland. *Sahlbergia* 19: 50–52.
- Ståhls G, Rättel E, Miettinen O (2014) New data on genus *Callomyia* of Finland (Diptera: Platypezidae). *Sahlbergia*, in press.
- Ståhls G, Miettinen O, Rättel E (submitted) MtDNA COI in efficient use: revealing hidden species diversity and clarifying taxonomy, linking morphologically discordant sexes and identifying the immature stages of *Agathomyia* flat-footed flies (Diptera). *Journal of Zoological Systematics and Evolutionary Research*.
- Winqvist K (2011) Ruissalon kärpäsistä (Diptera, Brachycera). *w-album* 11: 3–23. [in Finnish with summary in English]