

Checklist of the families Anisopodidae, Bibionidae, Canthyloscelididae, Mycetobiidae, Pachyneuridae and Scatopsidae (Diptera) of Finland

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Abstract

A checklist of the families Anisopodidae, Bibionidae, Canthyloscelididae, Mycetobiidae, Pachyneuridae and Scatopsidae (Diptera) recorded from Finland. The Finnish species of these families were last listed in 1980. After that two species of Anisopodidae, four species of Bibionidae and six species of Scatopsidae have been added to the Finnish fauna and two species of Scatopsidae have been removed from the Finnish fauna.

Keywords

Checklist, Finland, Diptera, biodiversity, faunistics

Introduction

Six families (Anisopodidae, Bibionidae, Canthyloscelididae, Mycetobiidae, Pachyneuridae and Scatopsidae) are included in this paper. All six families have been rather poorly collected and studied in Finland. Lundström (1910) published a study of the family Bibionidae. During the last one hundred years, foreign specialists have con-

Table 1. Number of species by family.

Family	Number of species in			Level of knowledge
	World (Pape et al. 2011)	Europe	Finland	
Anisopodidae	77	10	7	average
Mycetobiidae	35	4	1	average
Bibionidae	760	50	17	average
Scatopsidae	390	102	30	poor
Canthyloscelididae	16	3	3	average
Pachyneuridae	5	1	1	average

tributed the majority of the new records and taxonomic treatises. Some Anisopodidae were treated by Krivosheina and Menzel (1998, 2002) and Bibionidae by Greve and Haenni (1994) and Skartveit (1999). Finnish scatopsid records were included in the synopsis of Palaearctic Scatopsidae by Cook (1969, 1972, 1974). The genera *Anapausis* Enderlein (Chandler 1999, Haenni 1984), *Colobostema* Enderlein (Haenni 2013, Krivosheina 2001) and *Aspistes* Meigen (Krivosheina 2000) have been examined in more detail. Recently Anisopodidae (Haarto 2011) and Bibionidae (Haarto 2012) have attracted some attention in the country. The only Finnish species of Pachyneuridae, *Pachyneura fasciata* Zetterstedt, 1838, was studied by Salmela and Ilmonen (2004) and removed from the Finnish Red List. The Finnish species of all six families were last listed by Hackman (1980). The Finnish faunae of anisopodids and bibionids have been recently reviewed by Haarto (2011, 2012). The nomenclature and the number of European species are presented according to the current listing of Fauna Europaea (Beuk and Pape 2013).

Checklist

Nematocera Duméril, 1805

infraorder Bibionomorpha Hennig, 1954

superfamily Anisopodoidea Knab, 1912

ANISOPODIDAE Knab, 1912

SYLVICOLA Harris, 1780

= ***Phryne*** Meigen, 1800 suppr.

= ***Rhyphus*** Latreille, 1804

Sylvicola cinctus (Fabricius, 1787)

Sylvicola fenestralis (Scopoli, 1763)

Sylvicola fuscataoides Michelsen, 1999

= *fuscatus* sensu Andersson 1967, nec Fabricius

Sylvicola fuscatus (Fabricius, 1775)

Sylvicola punctatus (Fabricius, 1787)

Sylvicola stackelbergi Krivosheina & Menzel, 1998

Sylvicola zetterstedti (Edwards, 1923)

MYCETOBIIDAE Winnertz, 1863**MYCETOBIA** Meigen, 1818*Mycetobia pallipes* Meigen, 1818

superfamily Bibionoidea Fleming, 1821

BIBIONIDAE Fleming, 1821

BIBIONINAE Fleming, 1821

BIBIO Geoffroy, 1762*Bibio brunnipes* (Fabricius, 1794)= *fulvipes* (Zetterstedt, 1838)*Bibio clavigipes* Meigen, 1818*Bibio ferruginatus* (Linnaeus, 1767)*Bibio fulvicollis* Gimmerthal, 1842= *festinans* (Zetterstedt, 1850)*Bibio johannis* (Linnaeus, 1767)*Bibio lautarensis* Villeneuve, 1925= *crassipes* Duda, 1930*Bibio longipes* Loew, 1864= *lepidus* Loew, 1871*Bibio marci* (Linnaeus, 1758)*Bibio nigriventris* Haliday, 1833*Bibio pomonae* (Fabricius, 1775)*Bibio rufipes* (Zetterstedt, 1838)*Bibio siebkei* Mik, 1887= *femoralis* (Siebke, 1863) preocc.*Bibio varipes* Meigen, 1830**DILOPHUS** Meigen, 1803*Dilophus borealis* Skartveit, 1993*Dilophus febrilis* (Linnaeus, 1758)*Dilophus femoratus* Meigen, 1804

PLECIINAE Fleming, 1821

PENTHETRIA Meigen, 1803*Penthetria funebris* Meigen, 1804= *holosericea* Meigen, 1818

superfamily Scatopoidea Newman, 1834

SCATOPSIDAE Newman, 1834

ASPISTINAE Rondani, 1840

ARTHRIA Kirby in Richardson, 1837*Arthria analis* (Kirby in Richardson, 1837)**ASPISTES** Meigen, 1818*Aspistes berolinensis* Meigen, 1818

- Aspistes freyi* Cook, 1965
Aspistes helleni Krivosheina, 2000
ECTAETIINAE Enderlein, 1936
ECTAETIA Enderlein, 1912
Ectaetia clavipes (Loew, 1846)
Ectaetia platyscelis (Loew, 1869)
PSECTROSCIARINAE Cook, 1963
ANAPAUSIS Enderlein, 1912
Anapausis floricola Chandler, 1999
= *soluta* misid.
Anapausis rectinervis Duda, 1928
SCATOPSINAE Newman, 1834
tribe Colobostematini Amorim, 1994
COLOBOSTEMA Enderlein, 1926
Colobostema infumatum (Haliday, 1833)
Colobostema nigripenne (Meigen, 1830)
Colobostema triste (Zetterstedt, 1850)
EFCOOKELLA Haenni, 1998
Efcookella albitaris (Zetterstedt, 1850)
FERNEIELLA Cook in Freeman, 1985
Ferneiella incompleta (Verrall, 1886)
HOLOPLAGIA Enderlein, 1912
Holoplagia bullata (Edwards, 1925)
Holoplagia transversalis (Loew, 1846)
tribe Rhegmoclematini Cook, 1955
RHEGMOCLEMINA Enderlein, 1936
Rhegmoclemina vaginata (Lundström, 1910)
THRIPOMORPHA Enderlein, 1905
= **Rhegmoclema** Enderlein, 1912
Thripomorpha freyi (Cook, 1969)
Thripomorpha halteratum (Meigen, 1838)
Thripomorpha paludicola Enderlein, 1905
= *edwardsi* (Collin, 1954)
Thripomorpha verralli (Edwards, 1934)
tribe Scatopsini Newman, 1834
APIOSCATOPSE Cook, 1974
Apiloscatopse flavidollis (Meigen, 1818)
Apiloscatopse flavocincta (Duda, 1928)
REICHERTELLA Enderlein, 1912
Reichertella geniculata (Zetterstedt, 1850)
SCATOPSE Geoffroy, 1762
Scatopse lapponica Duda, 1928
Scatopse notata (Linnaeus, 1758)

tribe Swammerdamellini Cook, 1972

COBOLDIA Melander, 1916

Coboldia fuscipes (Meigen, 1830)

RHEXOZA Enderlein, 1936

Rhexoza subnitens (Verrall, 1886)

SWAMMERDAMELLA Enderlein, 1912

Swammerdamella adercotris Cook, 1972

Swammerdamella brevicornis (Meigen, 1830)

Swammerdamella genypodis Cook, 1972

CANTHYLOSCELIDIDAE Enderlein, 1912

CANTHYLOSCELIDINAE Enderlein, 1912

HYPEROSCELIS Hardy & Nagatomi, 1960

Hyperoscelis eximia (Boheman, 1858)

Hyperoscelis veternosa Mamaev & Krivosheina, 1969

SYNNEURINAE Enderlein, 1936

SYNNEURON Lundström, 1910

Synneuron annulipes Lundström, 1910

superfamily Pachyneuroidea Schiner, 1864

PACHYNEURIDAE Schiner, 1864

PACHYNEURA Zetterstedt, 1838

Pachyneura fasciata Zetterstedt, 1838

Excluded species

Anapausis soluta (Loew, 1846): Specimens under the name *A. soluta* in the earlier checklist (Hackman 1980) represent the later described species *A. floricola* Chandler, 1999.

Swammerdamella acuta Cook, 1956: Has not been found within present borders of Finland.

Notes

***Aspistes helleni* Krivosheina, 2000** in this checklist based on other material than the one mentioned by Krivosheina (2000).

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