Checklist of the fungus gnats of Finland:
Bolitophilidae, Diadocidiidae, Ditomyiidae,
Keroplatidae and Mycetophilidae (Diptera)

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Abstract
A checklist of the ‘fungus gnat’ group of families in Sciaroidea: Bolitophilidae, Diadocidiidae, Ditomyiidae,
Keroplatidae and Mycetophilidae (Diptera) recorded from Finland. At present, the known Finnish fauna comprises 767 recognized species in 78 genera; 21 species of the family Bolitophilidae, 5 of the family Diadocidiidae, 2 of the family Ditomyiidae, 47 of the family Keroplatidae and 692 of the family Mycetophilidae. The unassigned genus Sciarosoma Chandler, 2002 is not included in this paper because it is listed with Sciaridae.

The most relevant synonyms, on which species were ever listed from Finland in Hackman (1980) and subsequent authors are indicated in the checklist. Eighteen species names of wrong records were removed.

Keywords
Species list, Finland, Diptera, biodiversity, faunistics

Introduction
Fungus gnats are a rich assemblage of nematocerous flies (Diptera, Nematocera) placed in the infraorder Bibionomorpha and superfamily Sciaroidea, currently divided into eight families (Blagoderov and Grimaldi 2004). Five of these families (Bolitophilidae, Diadocidiidae, Ditomyiidae, Keroplatidae and Mycetophilidae) are called informally...
‘fungus gnats’ by most European authors. Species in these families are morphologically closely related and the group is also ecologically uniform.

Adults of fungus gnats are generally quite easily recognized by their habitus. They are slender to moderately robust flies between 2 and 10 mm (a few up to 15 mm) in body length, with long antenna, a high and often strongly arched thorax made distinctly higher by the long, stout and tight-sitting coxae of their legs. Their wings have reduced and variable venation that is quite distinctive for the different families and much used also to classify genera. Their body and legs are often covered with strong bristles. As larvae the majority of fungus gnat species are mycetophagous, associated with fungi, either fruiting bodies or mycelia in dead wood and soil litter.

Here I cover all the Finnish fungus gnat fauna of the families Bolitophilidae, Diadocidiidae, Ditomyiidae, Keroplatidae, and Mycetophilidae. In Europe, the superfamily Sciaroidea further includes two large families, the Sciaridae – black-winged fungus gnats and the Cecidomyiidae – gall midges (Søli et al. 2000) although some authors, e.g. Hippa and Vilkamaa (2006) consider the Cecidomyiidae as the sister group of all other Sciaroidea. They differ markedly in habitus and larval biology and are presented elsewhere. Finally, the unassigned genus Sciarosoma Chandler, 2002 is not included in this checklist since it is listed with the family Sciaridae according Hippa and Vilkamaa (2006), but see also opinion by Jaschhof et al. (2006).

Systematics and nomenclature of the enumeration follow the online checklist of Nordic fungus gnats (Kjærandsen 2012). Only the most relevant synonyms, on which species were ever listed from Finland, are included in the checklist.

Adults of the North European species can largely be identified using Hutson et al. (1980) and Zaitzev (1994) – Bolitophilidae, Diadocidiidae, Ditomyiidae, Keroplatidae, and Mycetophilidae in part (Mycomyiinae, Sciophiilinae, Gnoristinae and Leiiinae), and Zaitzev (2003) – Mycetophilidae in part (Mycetophilinae and Manotinae). However, since many new taxa are added, and corrections, synonyms and revisions continually published, one needs a complete set of the fragmented taxonomic literature to cover all the species. A good source for obtaining most important literature on the Sciaroidea is the ViBrant/Scratchpad module Fungus Gnats Online (2014). Species identification of fungus gnats based on examination of larvae is currently impossible because the larvae seemingly lack unique morphological characteristics and search for species-specific molecular markers are yet to be implemented.

Fungus gnats are distributed all over the world with about 5,300 known species (Table 1), more than 1,450 of them are known from the Palaeartic region (Søli et al. 2000). According to the current version of the Fauna Europaea Web-database (Chandler 2004), 1,098 species of fungus gnats had then been recorded from Europe. Taking into account literature published subsequently these figures could be increased in ca 100 additional species, i.e. some 1,200 species are known in Europe at present. As opposed to many other insect groups, fungus gnats, at least Mycetophilidae, seem to display an increasing diversity towards the north in Europe, and in the European perspective, they are especially diverse in the boreal zone. The current version of the checklist of North European (Sweden, Norway, Finland, Russian Karelia, Russian Lapland, Denmark, The Faroes, and Iceland) fungus gnats (Kjærandsen 2012) includes 896 species.
In Finland, 269 species of the fungus gnats (of which ca. 40 currently recognized species were described by Carl Lundström) were first listed in the Enumeration Insectorum Fenniae (Frey et al. 1941). Hackman (1980) presented the second checklist of Finnish Diptera that incorporates 486 species of fungus gnats including five with a question mark. This list of species, with minor additions and corrections concerning Mycetophilidae after systematical revisions of the genera *Trichonta* (Gagné 1981) and *Mycomya* (Väisänen 1984) in the Holarctic region was included into Catalogue of the Palaearctic Diptera (Hackman et al. 1988). During the recent two decades, large-scale inventories (e.g. Polevoi and Jakovlev 2004, Polevoi et al. 2006, Jakovlev et al. 2006, 2014, Jakovlev and Penttinen 2007) have increased the total number of Finnish fungus gnats with ca. 300 species. The 2010 Finnish Red List assessment of fungus gnats was based on a regional species pool consisting on 734 species (Penttinen et al. 2010). At present, the Finnish fungus gnat fauna incorporates 767 recognized species (except *Sciarosoma*) and ca. 20 species awaiting descriptions. Altogether, 18 species names of wrong records from Finland were removed from the checklist. These species and 3 doubtful species names are listed in the end.

### Checklist

*Nematocera* Dumeril, 1805  
infraorder Bibionomorpha Hennig, 1954  
superfamily Sciaroidea Schiner, 1864

#### BOLITOPHILIDAE Winnertz, 1864

**BOLITOPHILA** Meigen, 1818  
*sg. Bolitophila* Meigen, 1818  
*Bolitophila austriaca* (Mayer, 1950)  
*Bolitophila basicornis* (Mayer, 1951)  
*Bolitophila caspersi* Plassmann, 1956  
*Bolitophila cinerea* Meigen, 1818  
*Bolitophila saundersii* (Curtis, 1836)  
*Bolitophila tenella* Winnertz, 1864  
*sg. Cliopisa* Enderlein, 1936  
*Bolitophila aperta* Lundström, 1915

### Table 1. Number of species by family.

| Family          | Number of species (except *Sciarosoma*) in | Level of knowledge |
|-----------------|-------------------------------------------|--------------------|
|                 | World (Pape et al. 2011) | Europe (Chandler 2004) | Nordic Region (Kjærandsen 2012) | Finland |
| Bolitophilidae  | 59 | 36 | 31 | 21 | average |
| Diadocidiidae   | 34 | 5 | 5 | 5 | average |
| Ditomyiidae     | 94 | 4 | 3 | 2 | average |
| Keroplatidae    | 953 | 110 | 62 | 47 | average |
| Mycetophilidae  | 4150 | 942 | 794 | 692 | average |
Bolitophila bimaculata Zetterstedt, 1838
Bolitophila dubia Siebke, 1863
    = disjuncta Loew, 1869
Bolitophila fumida Edwards, 1941
Bolitophila glabrata Loew, 1869
Bolitophila hybrida (Meigen, 1804)
Bolitophila ingrira Stackelberg, 1969
Bolitophila limitis Polevoi, 1996
Bolitophila maculipennis Walker, 1836
    = coronata Mayer, 1951
Bolitophila modesta Lackschewitz, 1937
    = tarsata Mayer, 1951
Bolitophila nigrolineata Landrock, 1912
Bolitophila obscurior Stackelberg, 1969
Bolitophila occlusa Edwards, 1913
Bolitophila pseudohybrida Landrock, 1912
Bolitophila rossica Landrock, 1912

DIADOCIDIIDAE Winnertz, 1864
DIADOCIDIA Ruthe, 1831
sg. Adidocidia Laštovka & Matile 1972
Diadocidia trispinosa Polevoi, 1996
Diadocidia valida Mik, 1874
sg. Diadocidia Ruthe, 1831
Diadocidia ferruginosa (Meigen, 1830)
Diadocidia fissa Zaitzev, 1994
Diadocidia spinosula Tollet, 1948

DITOMYIIDAE Keilin, 1919
SYMMERUS Walker, 1848
Symmerus annulatus (Meigen, 1830)
Symmerus nobilis Lackschewitz, 1937

KEROPLATIDAE Rondani, 1856
KEROPLATINAE Rondani, 1856
tribe Keroplatini Rondani, 1856
CEROTELION Rondani, 1856
Cerotelion striatum (Gmelin, 1790)
    = lineatum (Fabricius, 1775) preocc.
KEROPLATUS Bosc, 1792
Keroplatus testaceus Dalman, 1818
Keroplatus tipuloides Bosc, 1792
    = sesioides Wahlberg, 1839
* Keroplatus tuvensis Zaitzev, 1991 (see Notes)

**ROCETELION** Matile, 1988
Rocetelion humerale (Zetterstedt, 1850)
tribe Orfeliini Matile, 1990

**ISONEUROMYIA** Brunetti, 1912
Isoneuromyia semirufa (Meigen, 1818)

**MACRORRHYNCHA** Winnertz, 1846
Macrorrhynchha flava Winnertz, 1846
Macrorrhynchha rostrata (Zetterstedt, 1851)

**MONOCENTROTA** Edwards, 1925
Monocentrota lundstroemi Edwards, 1925

**NEOPLATYURA** Malloch, 1928
Neoplatyura flava (Macquart, 1826)
Neoplatyura modesta (Winnertz, 1864)

**ORFELIA** Costa, 1857
Orfelia discoloria (Meigen, 1818)
Orfelia falcata Zaitzev, 1994
Orfelia fasciata (Meigen, 1804)
Orfelia krivosheinae Zaitzev, 1994
Orfelia lugubris (Zetterstedt, 1851)
  = tristis (Lundström, 1911)
Orfelia nemoralis (Meigen, 1818)
Orfelia nigricornis (Fabricius, 1805)
Orfelia ochracea (Meigen, 1818)
  = unicolor (Staeger, 1840)
Orfelia pallida (Staeger, 1840)

**PYRATULA** Edwards, 1929
Pyratula perpusilla (Edwards, 1913)
Pyratula subcanariae Chandler, 2001
Pyratula zonata (Zetterstedt, 1855)

**URYTALPA** Edwards, 1929
Urytalpa atriceps (Edwards, 1913)
Urytalpa dorsalis (Staeger, 1840)
  = ochracea (Meigen, 1818)
Urytalpa galdes Hedmark & Kjærandsen, 2009
Urytalpa macrocera (Edwards, 1913)
Urytalpa trivittata (Lundström, 1914)
MACROCERINAE Rondani, 1856
tribe Macrocerini Rondani, 1856

**MACROCERA** Meigen, 1803
Macrocera angulata Meigen, 1818
Macrocera centralis Meigen, 1818
Macrocera crassicornis Winnertz, 1864
Macrocera estonica Landrock, 1924  
Macrocera fasciata Meigen, 1804  
Macrocera fascipennis Staeger, 1840  
Macrocera grandis Lundström, 1912  
    = magna Landrock, 1917  
Macrocera lutea Meigen, 1804  
Macrocera maculata Meigen, 1818  
Macrocera nigricoxa Winnertz, 1864  
Macrocera parva Lundström, 1914  
Macrocera phalerata Meigen, 1818  
Macrocera pilosa Landrock, 1917  
Macrocera pumilio Loew, 1869  
Macrocera pusilla Meigen, 1830  
Macrocera stigma Curtis, 1837  
Macrocera stigmoides Edwards, 1925  
Macrocera vittata Meigen, 1830  
Macrocera zetterstedti Lundström, 1914  
    = nana Zetterstedt, 1860

MYCETOPHILIDAE Newman, 1834  
MYCOMYINAE Edwards, 1925  
MYCOMYA Rondani, 1856  
  sg. Calomycomya Väisänen, 1984  
  Mycomya avala Väisänen, 1984  
  Mycomya pulchella (Dziedzicki, 1885)  
  sg. Coheromyia Väisänen, 1984  
  Mycomya branderi Väisänen, 1984  
    = tantilla auct. nec (Loew, 1869) misid.  
  sg. Cymomya Väisänen, 1984  
  Mycomya circumdata (Staeger, 1840)  
  sg. Lycomya Väisänen, 1984  
  Mycomya pectinifera Edwards, 1924  
  sg. Mycomya Rondani, 1856  
  Mycomya annulata (Meigen, 1818)  
    = incisurata (Zetterstedt, 1838)  
  Mycomya bialorussica Landrock, 1925  
  Mycomya bicolor (Dziedzicki, 1885)  
  Mycomya bisulca Lackschewitz, 1937  
  Mycomya britteni Kidd, 1955  
  Mycomya brunnea (Dziedzicki, 1885)  
  Mycomya cinerascens (Macquart, 1826)  
    = hyalinata (Meigen, 1830)  
  Mycomya collini Edwards, 1941
Mycomya danielae Matile, 1972
Mycomya denmax Väisänen, 1979
Mycomya digitifera Edwards, 1925
Mycomya disa Väisänen, 1984
Mycomya dziedzickii Väisänen, 1984
  = fulva (Dziedzicki, 1885) preocc.
Mycomya egregia (Dziedzicki, 1885)
Mycomya festivalis Väisänen, 1984
Mycomya flavicollis (Zetterstedt, 1852)
Mycomya forestaria Plassmann, 1978
Mycomya fuscata (Winnertz, 1864)
Mycomya griseovittata (Zetterstedt, 1852)
  = fasciata (Zetterstedt, 1838) preocc.
  = clavigera (Lundström, 1912)
Mycomya hackmani Väisänen, 1984
Mycomya heydeni Plassmann, 1970
Mycomya hiisi Väisänen, 1979
Mycomya humida Garrett, 1924
  = curvata Fisher, 1937
Mycomya indistincta Polevoi, 1995
Mycomya insignis (Winnertz, 1864)
  = wrzesniowskii (Dziedzicki, 1885)
Mycomya islandica Väisänen, 1984
Mycomya karelica Väisänen, 1979
Mycomya kaurii Väisänen, 1979
Mycomya kuusamoensis Väisänen, 1979
Mycomya lambi Edwards, 1941
Mycomya leporina Väisänen, 1984
Mycomya levis (Dziedzicki, 1885)
Mycomya livida (Dziedzicki, 1885)
Mycomya maculata (Meigen, 1804)
Mycomya marginata (Meigen, 1818)
  = limbata (Winnertz, 1864)
Mycomya mituda Väisänen, 1980
Mycomya neohyalina Väisänen, 1984
Mycomya nigricornis (Zetterstedt, 1852)
  = melanoceras Edwards, 1924
Mycomya nitida (Zetterstedt, 1852)
  = exigua (Winnertz, 1864)
Mycomya norna Väisänen, 1984
Mycomya occultans (Winnertz, 1864)
Mycomya ornata (Meigen, 1818)
Mycomya parva (Dziedzicki, 1885)
Mycomya prominens (Lundström, 1913)
Mycomya pseudoapicalis Landrock, 1925
Mycomya pseudocurvata Väisänen, 1979
Mycomya punctata (Meigen, 1804)
Mycomya ruficollis (Zetterstedt, 1852)
Mycomya safena Väisänen, 1984
Mycomya shermani Garrett, 1924
  = kingi Edwards, 1941
Mycomya shewelli Väisänen, 1984
Mycomya siebecki (Landrock, 1912)
Mycomya sieberti (Landrock, 1930)
Mycomya sigma Johanssen, 1910
  = duplicata Edwards, 1925
Mycomya simulans Väisänen, 1984
Mycomya spinicoxa Väisänen, 1979
Mycomya storai Väisänen, 1979
Mycomya subarctica Väisänen, 1979
Mycomya tenuis (Walker, 1856)
Mycomya thula Väisänen, 1984
Mycomya trivittata (Zetterstedt, 1838)
Mycomya tumida (Winnertz, 1864)
Mycomya vittiventris (Zetterstedt, 1852)
  = elegans (Lundström, 1912)
Mycomya wankowiczii (Dziedzicki, 1885)
Mycomya winnertzi (Dziedzicki, 1885)

sg. *Mycomyopsis* Väisänen, 1984
Mycomya affinis (Staeger, 1840)
  = flava (Winnertz, 1864)
Mycomya confusa Väisänen, 1977
Mycomya fennica Väisänen, 1979
Mycomya maura (Walker, 1856)
Mycomya neolittoralis Väisänen, 1984
Mycomya paradentata Väisänen, 1984
  = dentata auct. nec Fisher, 1937 misid.
Mycomya penicillata (Dziedzicki, 1885)
Mycomya permixta Väisänen, 1984
Mycomya trilineata (Zetterstedt, 1838)
  = fusca (Meigen, 1818)

sg. *Neomycomya* Väisänen, 1984
Mycomya fimбриata (Meigen, 1818)

*NEOEMPHERIA* Osten Sacken, 1878
Neoempheria bimaculata (von Roser, 1840)
Neoempheria pictipennis (Haliday, 1833)
Neoempheria striata (Meigen, 1818)
Neoempheria tuomikoskii Väisänen, 1982
Neoempheria winnertzi Edwards, 1913
SCIOPHILINAE Rondani, 1840
ACNEMIA Winnertz, 1864
Acnemia amoena Winnertz, 1864
Acnemia angusta Zaitzev, 1982
Acnemia falcata Zaitzev, 1982
Acnemia longipes Winnertz, 1864
Acnemia nitidicollis (Meigen, 1818)
Acnemia trifida Zaitzev, 1982
ALLOCOTOCERA Mik, 1886
Allocotocera pulchella (Curtis, 1837)
ANACLILEIA Meunier, 1904
Anaclileia dispar (Winnertz, 1864)
Anaclileia dziedzickii (Landrock, 1911)
AZANA Walker, 1856
sg. Azana Walker, 1856
Azana anomala (Staeger, 1840)
COELOPHTHINIA Edwards, 1941
Coelophthinia thoracica (Winnertz, 1864)
EUDICRANA Loew, 1869
Eudicrana nigriceps (Lundström, 1909)
LEPTOMORPHUS Curtis, 1831
sg. Leptomorphus Curtis, 1831
Leptomorphus forcipatus Landrock, 1918
Leptomorphus subforcipatus Zaitzev & Ševčík, 2002
= quadriramaculatus auct. nec Matsumura, 1910 misid. (see Notes)
Leptomorphus walkeri Curtis, 1831
MEGAPELMA Enderlein, 1911
Megalopelma nigroclavatum (Strobl, 1910)
MONOCLONA Mik, 1886
Monoclona braueri (Strobl, 1895)
Monoclona rufilatera (Walker, 1837)
Monoclona silvatica Zaitzev, 1983
= mikii Kertesz, 1898 misid. (see Notes)
NEURATELIA Rondani, 1856
Neuratelia nemoralis (Meigen, 1818)
Neuratelia sintenisi Lackschewitz, 1937
PARATINIA Mik, 1874
Paratinia sciarina Mik, 1874
PHTHINIA Winnertz, 1864
Phthinia congenita Plassmann, 1984
Phthinia humilis Winnertz, 1864
Phthinia mira (Ostroverkhova, 1977)
  = plassmanni Caspers, 1984
Phthinia setosa Zaitzev, 1994
Phthinia winnertzi Mik, 1869
POLYLEPTA Winnertz, 1864
Polylepta borealis Lundström, 1912
Polylepta guttiventris (Zetterstedt, 1852)
SCIOPHILA Meigen, 1818
Sciophila adamsi Edwards, 1925
Sciophila antiqua Chandler, 1987
  = hebes auct. nec Johannsen, 1910 misid. (see Notes)
Sciophila bicuspidata Zaitzev, 1982
Sciophila buxtoni Freeman, 1956
Sciophila caesarea Chandler, 2001
Sciophila dziedzickii Edwards, 1925
Sciophila fenestella Curtis, 1837
Sciophila fuliginosa Holmgren, 1883
Sciophila geniculata Zetterstedt, 1838
Sciophila hirta Meigen, 1818
Sciophila karelica Zaitzev, 1982
Sciophila krysheni Polevoi, 2001
Sciophila limbatella Zetterstedt, 1852
Sciophila lutea Macquart, 1826
Sciophila minuta Zaitzev, 1982
Sciophila modesta Zaitzev, 1982
Sciophila nigronitida Landrock, 1925
Sciophila nonnisilva Hutson, 1979
Sciophila persubtilis Polevoi, 2001
Sciophila plurisetosa Edwards, 1921
Sciophila pomacea Chandler, 2006
  = ochracea Stephens in Walker, 1856 preocc.
Sciophila pseudoflexuosa Kurina, 1991
Sciophila rufa Meigen, 1830
Sciophila salassea Matile, 1983
Sciophila setosa Garrett, 1925
Sciophila thoracica Staeger, 1840
  = quadriterga (Hutson, 1979)
Sciophila varia (Winnertz, 1864)
Sciophila yakutica Blagoderov, 1992
GNORISTINAE Edwards, 1925
ACOMOPTERA Vockeroth, 1980
Acomoptera difficilis (Dziedzicki 1885)
Acomoptera spinistylus (Søli, 1993)

APOLEPHTHISA Grzegorzek, 1885
Apolephthisa subincana (Curtis, 1837)

BOLETINA Staeger, 1840
Boletina atridentata Polevoi & Hedmark, 2004
Boletina basalis (Meigen, 1818)
Boletina bidenticulata Sasakawa & Kimura, 1974
Boletina borealis Zetterstedt, 1852
Boletina brevicornis Zetterstedt, 1852
Boletina cincticornis (Walker, 1848)
Boletina cordata Polevoi & Hedmark, 2004
Boletina cornuta Zaitzev, 1994
Boletina digitata Lundström, 1914
Boletina dispecta Dziedzicki, 1885
Boletina dispectoides Jakovlev & Penttinen, 2007
Boletina dissipata Plassmann, 1986
Boletina dubia (Meigen, 1804)
Boletina edwardsi Chandler, 1992
Boletina falcata Polevoi & Hedmark, 2004
Boletina fennoscandica Polevoi & Hedmark, 2004
Boletina gripha Dziedzicki, 1885
Boletina griphoides Edwards, 1925
Boletina groenlandica Staeger, 1845
Boletina gusakovae Zaitzev, 1994
Boletina hedstroemi Polevoi & Hedmark, 2004
Boletina intermedia Lundström, 1915
Boletina jamalensis Zaitzev, 1994
  = struthioides Polevoi & Hedmark, 2004
Boletina kivachiana Polevoi & Hedmark, 2004
Boletina kurilensis Zaitzev, 1994
Boletina landrocki Edwards, 1924
Boletina lapponica Polevoi & Hedmark, 2004
Boletina lundbecki Lundström, 1912
Boletina lundstroemi Landrock, 1912
Boletina maculata Holmgren, 1870
  = apicalis (Walker, 1848) preocc.
Boletina minuta Polevoi in Zaitzev & Polevoi, 1995
Boletina moravica Landrock, 1912
Boletina nasuta (Haliday, 1839)
Boletina nigricans Dziedzicki, 1885
Boletina nigricosa Staeger, 1840
Boletina nigrosusca Dziedzicki, 1885
Boletina nitida Grzegorzek, 1885
Boletina nitiduloides Zaitzev, 1994
Boletina onegensis Polevoi in Zaitzev & Polevoi, 1995
Boletina pallidula Edwards, 1925
Boletina palmata Polevoi, 2013
Boletina pectinunguis Edwards, 1932
Boletina pinusia Maximova, 2001
Boletina plana (Walker, 1856)
Boletina polaris Lundström, 1915
Boletina populina Polevoi in Zaitzev & Polevoi, 1995
Boletina pseudonitida Zaitzev, 1994
Boletina rejecta Edwards, 1941
Boletina sciarina Staeger, 1840
Boletina silvatica Dziedzicki, 1885
Boletina subtriangularis Polevoi & Hedmark, 2004
Boletina takagii Sasakawa & Kimura, 1974
Boletina tirolensis Plassmann, 1980
Boletina triangularis Polevoi in Zaitzev & Polevoi, 1995
Boletina trispinosa Edwards, 1913
Boletina trivittata (Meigen, 1818)
Boletina verticillata Stackelberg, 1943
Boletina villosa Landrock, 1912

**COELOSIA** Winnertz, 1864
Coelosia bicornis Stackelberg, 1946
Coelosia flava (Staeger, 1840)
Coelosia fusca Bezzi, 1892
  = silvatica Landrock, 1918
Coelosia gracilis Johannsen, 1912
Coelosia limpida Plassmann, 1986
Coelosia tenella (Zetterstedt, 1852)
Coelosia truncata Lundström, 1909

**DZIEDZICKIA** Johannsen, 1909
Dziedzickia marginata (Dziedzicki, 1885)

**ECTREPESTHONEURA** Enderlein, 1911
Ectrepesthoneura colyeri Chandler, 1980
Ectrepesthoneura hirta (Winnertz, 1846)
Ectrepesthoneura nigra Zaitzev, 1984
Ectrepesthoneura ovata Ostroverkhova, 1977
  = bucera Plassmann, 1980
Ectrepesthoneura pubescens (Zetterstedt, 1860)
Ectrepesthoneura referta Plassmann, 1976
Ectrepesthoneura tori Zaitzev & Økland, 1994

**GNORISTE** Meigen, 1818
Gnoriste apicalis Meigen, 1818
Gnoriste bilineata Zetterstedt, 1852
**GRZEGORZEKIA** Edwards, 1941
Grzegorzekia collaris (Meigen, 1818)
**HADRONEURA** Lundström, 1906
Hadroneura palmeni Lundström, 1906
**IMPLETA** Plassmann, 1978
Impleta consorta Plassmann, 1978
**KATATOPYGIA** Martinsson & Kjærandsen, 2012
Katatopygia erythropyla (Holmgren, 1883)
Katatopygia sahlbergi (Lundström, 1906)
**PALAEODOCOSIA** Meunier, 1904
Palaeodocosia vittata (Coquillett, 1901)
  = janickii (Dziedzicki, 1923)
  = alpicola auct. nec (Strobl, 1894) misid. (see Notes)
**SAIGUSAIA** Vockeroth, 1980
Saigusaia flaviventris (Strobl, 1894)
**SPEOLEPTA** Edwards, 1925
Speolepta leptogaster (Winnertz, 1864)
**SYNAPHA** Meigen, 1818
Synapha fasciata Meigen, 1818
Synapha vitripennis (Meigen, 1818)
**SYNTEMNA** Winnertz, 1864
Syntemna daisetsuzana Okada, 1938
Syntemna elegantia Plassmann, 1978
Syntemna hungarica (Lundström, 1912)
Syntemna morosa Winnertz, 1864
Syntemna nitidula Edwards, 1925
Syntemna oulankaensis Polevoi, 2003
Syntemna penicilla Hutson, 1979
Syntemna relicta (Lundström, 1912)
Syntemna setigera (Lundström, 1914)
  = haagvari Økland, 1995
Syntemna stylata Hutson, 1979
Syntemna stylatoides Zaitzev, 1994
**TETRAGONEURA** Winnertz, 1846
Tetragoneura ambigu Grzegorzek, 1885
Tetragoneura obirata Plassmann, 1990
Tetragoneura pudogensis Polevoi & Jakovlev, 2011
Tetragoneura ruuhijarvii Polevoi & Jakovlev, 2011
Tetragoneura sylvatica (Curtis, 1837)
LEIINAE Edwards, 1925
**CLASTOBASIS** Skuse, 1890
Clastobasis alternans (Winnertz, 1864)

**DOCOSIA** Winnertz, 1864

Docosia expectata Laštovka & Ševčík, 2006

Docosia flavicosta Strobl, 1900

= *pallipes* Edwards, 1941

Docosia gilvipes (Haliday in Walker, 1856)

Docosia landrocki Laštovka & Ševčík, 2006

Docosia Muelleri Plassmann, 1986

Docosia tibialis Laštovka & Ševčík, 2006

**GREENOMYIA** Brunetti, 1912

Greenomyia baikalica Zaitzev, 1994

Greenomyia borealis (Winnertz, 1864)

Greenomyia mongolica Laštovka & Matile, 1974

**LEIA** Meigen, 1818

Leia bilineata (Winnertz, 1864)

Leia bimaculata (Meigen, 1804)

Leia crucigera Zetterstedt, 1838

Leia cylindrica (Winnertz, 1864)

Leia fascipennis Meigen, 1818

Leia longiseta Barendrecht, 1938

Leia picta Meigen, 1818

Leia subfasciata (Meigen, 1818)

Leia winthemii Lehmann, 1822

**RONDANIELLA** Johannsen, 1909

Rondaniella dimidiata (Meigen, 1804)

**MANOTA** Williston, 1896

Manota unifurcata Lundström, 1913

**MYCETOPHILINAE** Newman, 1834

tribe Exechiini Edwards, 1925

**ALLODIA** Winnertz, 1864

sg. *Allodia* Winnertz, 1864

Allodia anglofennica Edwards, 1921

Allodia confusa Zaitzev, 2003

= *simplex* Zaitzev, 1983 preocc.

Allodia embla Hackman, 1971

Allodia lugens (Wiedemann, 1817)

Allodia lundstroemi Edwards, 1921

Allodia ornaticollis (Meigen, 1818)

Allodia pyxidiiformis Zaitzev, 1983

Allodia septentrionalis Hackman, 1971

Allodia truncata Edwards, 1921

Allodia tuomikoskii Hackman, 1971
Allodia zaitzevi Kurina, 1998

*sg. Brachycampta* Winnertz, 1864

Allodia adunca Zaitzev, 1992

Allodia alternans (Zetterstedt, 1838)

Allodia angulata (Lundström, 1913)

Allodia barbata (Lundström, 1909)

Allodia bohernica Ševčík, 2004

Allodia czernyi (Landrock, 1912)

Allodia foliifera (Strobl, 1910)

Allodia grata (Meigen, 1830)

Allodia huggerti Kjærandsen, 2007

Allodia neglecta Edwards, 1925

Allodia penicillata (Lundström, 1912)

Allodia pistillata (Lundström, 1911)

Allodia protenta Laštovka & Matile, 1974 = *meldli* Plassmann, 1977

Allodia silvatica (Landrock, 1912)

Allodia subpistillata Ševčík, 1999

**ALLODIOPSIS** Tuomikoski, 1966

Allodiopsis domestica (Meigen, 1830)

Allodiopsis gracai Ševčík & Papp 2003

Allodiopsis korolevi Zaitzev, 1982

Allodiopsis pseudodomestica (Lackschewitz, 1937)

Allodiopsis rustica (Edwards, 1941)

**ANATELLA** Winnertz, 1864

Anatella ankeli Plassmann, 1977

Anatella aquila Zaitzev, 1989

Anatella bremia Chandler, 1994

Anatella ciliata Winnertz, 1864

Anatella crispa Zaitzev, 1994

Anatella dampfi Landrock, 1924

Anatella dentata Zaitzev, 1989

Anatella emergens Caspers, 1987

Anatella flavicauda Winnertz, 1864

Anatella flavomaculata Edwards, 1925

Anatella gibba Winnertz, 1864

Anatella lenis Dziedzicki, 1923

Anatella maritima Ostroverkhova, 1979

Anatella minuta (Staeger, 1840)

Anatella novata Dziedzicki, 1923

Anatella setigera Edwards, 1921

Anatella simpatica Dziedzicki, 1923

Anatella turi Dziedzicki, 1923
Anatella unguigera Edwards, 1921

BRACHYPEZA Winnertz, 1864

sg. Brachypeza Winnertz, 1864

Brachypeza armata Winnertz, 1864
Brachypeza bisignata Winnertz, 1864
  = hilaris Winnertz, 1864 preocc.

sg. Paracordyla Tuomikoski, 1966

Brachypeza obscura Winnertz, 1864

BREVICORNU Marshall, 1896

Brevicornu arcticoides Caspers, 1985
Brevicornu arcticum (Lundström, 1913)
Brevicornu auriculatum (Edwards, 1925)
Brevicornu beatum (Johannsen, 1912)
Brevicornu bellum (Johannsen, 1912)
Brevicornu bipartitum Laštovka & Matile, 1974
Brevicornu canescens (Zetterstedt, 1852)
  = griseolum auct. nec (Zetterstedt, 1852)
Brevicornu cognatum Ostroverkhova, 1979
Brevicornu fasciculatum (Lackschewitz, 1937)
Brevicornu fennicum (Landrock, 1927)
Brevicornu fissicauda (Lundström, 1911)
Brevicornu foliatum (Edwards, 1925)
Brevicornu fuscipenne (Staeger, 1840)
Brevicornu glandis Laštovka & Matile, 1974
Brevicornu griseicolle (Staeger, 1840)
Brevicornu griseolum (Zetterstedt, 1852)
  = boreale (Lundström, 1914)
Brevicornu improvisum Zaitzev, 1992
Brevicornu kingi (Edwards, 1925)
Brevicornu luteum (Landrock, 1925)
Brevicornu melanderi Zaitzev, 1988
Brevicornu nigrofuscum (Lundström, 1909)
Brevicornu occidentale Zaitzev, 1988
Brevicornu parafennicum Zaitzev in Zaitzev & Polevoi, 1995
Brevicornu proximum (Staeger, 1840)
Brevicornu rosmellitum Chandler, 2001
Brevicornu ruficorne (Meigen, 1838)
Brevicornu serenum (Winnertz, 1864)
Brevicornu sericoma (Meigen, 1830)
Brevicornu setulosum Zaitzev, 1988
Brevicornu spathulatum (Lundström, 1911)
Brevicornu verralli (Edwards, 1925)

CORDYLA Meigen, 1803
Cordyla brevicornis (Staeger, 1840)
Cordyla crassicornis Meigen, 1818
Cordyla fasciata Meigen, 1830
Cordyla fissa Edwards, 1925
Cordyla flaviceps (Staeger, 1840)
Cordyla fisca Meigen, 1804
Cordyla insons Laštovka & Matile, 1974
Cordyla murina Winnertz, 1864
Cordyla nitens Winnertz, 1864
Cordyla nitidula Edwards, 1925
  = bergensis (Barendrecht, 1938)
Cordyla parvipalpis Edwards, 1925
Cordyla pusilla Edwards, 1925
  = sixi (Barendrecht, 1938)
Cordyla semiflava (Staeger, 1840)

EXECHIA Winnertz, 1864
Exechia bicincta (Staeger, 1840)
Exechia borealis Lundström, 1912
Exechia cincta Winnertz, 1864
Exechia confinis Winnertz, 1864
Exechia contaminata Winnertz, 1864
Exechia cornuta Lundström, 1914
Exechia dentata Lundström, 1916
Exechia dizona Edwards, 1924
Exechia dorsalis (Staeger, 1840)
Exechia exigua Lundström, 1909
Exechia festiva Winnertz, 1864
Exechia frigida (Boheman, 1865)
Exechia fusca (Meigen, 1804)
Exechia lucidula (Zetterstedt, 1838)
Exechia lundstroemi Landrock, 1923
Exechia macula Chandler, 2001
  = maculipennis (Stannius, 1831) preocc.
Exechia micans Laštovka & Matile, 1974
Exechia nigra Edwards, 1925
Exechia nigrofusca Lundström, 1909
Exechia nigroscutellata Landrock, 1912
Exechia papyracea Stackelberg, 1948
Exechia parva Lundström, 1909
Exechia parvula (Zetterstedt, 1852)
  = nana Staeger, 1840 preocc.
Exechia pectinivalva Stackelberg, 1948
Exechia pseudocincta Strobl, 1910
Exechia pseudofestiva Lackschewitz, 1937
Exechia repanda Johannsen, 1912
Exechia repandoides Caspers, 1984
Exechia separata Lundström, 1912
Exechia seriata (Meigen, 1830)
  = pallida Stannius, 1831
Exechia similis Laštovka & Matile, 1974
Exechia spinigera Winnertz, 1864
Exechia spinuligera Lundström, 1912
Exechia styriaca Strobl, 1898
  = sororcula Lackschewitz, 1937
Exechia subfrigida Laštovka & Matile, 1974
Exechia unifasciata Lackschewitz, 1937
Exechia unimaculata (Zetterstedt, 1860)
**EXECHIOPSIS** Tuomikoski, 1966
sg. **Exechiopsis** Tuomikoski, 1966
Exechiopsis aemula Plassmann, 1984
Exechiopsis elypeata (Lundström, 1911)
Exechiopsis distendens (Lackschewitz, 1937)
Exechiopsis dumitrescae (Burghele-Balacesco, 1972)
Exechiopsis fimbriata (Lundström, 1909)
Exechiopsis forcipata Lackschewitz, 1937)
Exechiopsis grassatura (Plassmann, 1978)
Exechiopsis hammi (Edwards, 1925)
Exechiopsis indecisa (Walker, 1856)
Exechiopsis ingrica Stackelberg, 1948
Exechiopsis intersecta (Meigen, 1818)
Exechiopsis januarii (Lundström, 1913)
Exechiopsis lackschewitziana (Stackelberg, 1948)
Exechiopsis landrocki (Lundström, 1912)
Exechiopsis ligulata (Lundström, 1913)
Exechiopsis pseudindecisa Laštovka & Matile, 1974
Exechiopsis pseudopulchella (Lundström, 1912)
Exechiopsis pulchella (Winnertz, 1864)
Exechiopsis sagittata Laštovka & Matile, 1974
Exechiopsis subulata (Winnertz, 1864)
sg. **Xenexechia** Tuomikoski, 1966
Exechiopsis crucigera (Lundström, 1909)
Exechiopsis davatchii Matile, 1969
Exechiopsis leptura (Meigen, 1830)
Exechiopsis membranacea (Lundström, 1912)
Exechiopsis perspicua (Johannsen, 1912)
Exechiopsis pollicata (Edwards, 1925)
Exechiopsis praedita (Plassmann, 1976)
Exechiopsis seducta (Plassmann, 1976)
Exechiopsis stylata Laštovka & Matile, 1974
MYROSIA Tuomikoski, 1966
Myrosia maculosa (Meigen, 1818)
NOTOLOPHA Tuomikoski, 1966
Notolopha brachycera (Zetterstedt, 1852)
  = tuomikoskii (Zaitzev & Maximova, 2000)
Notolopha cristata (Staeger, 1840)
Notolopha sibirica (Zaitzev & Maximova, 2000)
PSEUDEXECHIA Tuomikoski, 1966
Pseudexechia aurivernica Chandler, 1978
Pseudexechia canalicula (Johannsen, 1912)
Pseudexechia parallela (Edwards, 1925)
Pseudexechia pectinacea (Ostroverkhova, 1979)
Pseudexechia tristriata Stackelberg, 1969
Pseudexechia trivittata (Staeger, 1840)
PSEUDOBRAHYPEZA Tuomikoski, 1966
Pseudobrachyephesa helvetica (Walker, 1856)
PSEUDORYMOSIA Tuomikoski, 1966
Pseudorymosia fovea (Dziedzicki, 1910)
  = optiva auct. nec (Dziedzicki, 1910) misid. (see Notes)
RYMOSIA Winnertz, 1864
Rymosia acta Dziedzicki, 1910
Rymosia affinis Winnertz, 1864
  = gracilipes Dziedzicki, 1910
Rymosia batava (Barendrecht, 1938)
Rymosia bifida Edwards, 1925
Rymosia britteni Edwards, 1925
Rymosia connexa Winnertz, 1864
Rymosia fasciata (Meigen, 1804)
Rymosia fraudatrix Dziedzicki, 1910
  ? = spiniforceps Matile, 1963
Rymosia guttata Lundström, 1912
Rymosia pinnata Ostroverkhova, 1979
Rymosia placida Winnertz, 1864
Rymosia setiger Dziedzicki, 1910
Rymosia signatipes (van der Wulp, 1859)
  = winnertzii Barendrecht, 1938
STIGMATOMERIA Tuomikoski, 1966
Stigmatomeria crassicornis (Stannius, 1831)
SYNPLASTA Skuse, 1890
  = GYMNOGONIA Tuomikoski, 1966
Synplasta bayardi Matile, 1971
Synplasta dulcia (Dziedzicki, 1910)
Synplasta exclusa (Dziedzicki, 1910)
    = sintenisi (Lackschewitz, 1937)
Synplasta gracilis Winnertz, 1864
    = excogitata auct. nec (Dziedzicki, 1910) misid. (see Notes)
Synplasta ingeniiosa (Kidd 1969)
Synplasta praeformida (Dziedzicki, 1910)
Synplasta pseudingeniosa Zaitzev, 1993
Synplasta rufilatera (Edwards, 1941)

**TARNANIA** Tuomikoski, 1966
Tarnania fenestralis (Meigen, 1838)
Tarnania tarnanii (Dziedzicki, 1910)
tribe Mycetophilini Newman, 1834

**DYNATOSOMA** Winnertz, 1864
Dynatosoma cochleare Strobl, 1895
Dynatosoma dihaeta Polevoi, 1995
    = schachtii Plassmann, 1999
Dynatosoma fuscicorne (Meigen, 1818)
Dynatosoma majus Landrock, 1912
Dynatosoma nigromaculatum Lundström, 1913
    = abdominale auct. nec Staeger, 1840
Dynatosoma nobile Loew, 1873
Dynatosoma reciprocum (Walker, 1848)
Dynatosoma rufescens (Zetterstedt, 1838)
    = bukovskii Zaitzev, 1986
    = lutescens (Zetterstedt, 1852)
Dynatosoma silesiacum Ševčík, 2001
Dynatosoma thoracicum (Zetterstedt, 1838)
    = norwegiense Zaitzev & Økland, 1994

**EPICYPTA** Winnertz, 1864
Epicypta aterrima (Zetterstedt, 1852)
Epicypta fumigata (Dziedzicki, 1923)
Epicypta limnophila Chandler, 1981
Epicypta scatophora (Perris, 1849)

**MYCETOPHILA** Meigen, 1803
    = FUNGIVORA Meigen, 1800 suppr.
Mycetophila abbreviata Landrock, 1914
Mycetophila abiecta (Laštovka, 1963)
Mycetophila adumbrata Mik, 1884
Mycetophila alea Laffoon, 1965
    = guttata Dziedzicki, 1884
Mycetophila attonsa (Laffoon, 1957)
  = uncta Plassmann, 1999
Mycetophila autumnalis Lundström, 1909
Mycetophila bialorussica Dziedzicki, 1884
* Mycetophila biformis Maximova, 2002 preocc. (see Notes)
Mycetophila biusta Meigen, 1818
Mycetophila blanda Winnertz, 1864
Mycetophila bohemia (Laštovka, 1963)
Mycetophila boreocruciator Ševčík, 2003
Mycetophila brevitarsata (Laštovka, 1963)
Mycetophila caudata Staeger, 1840
Mycetophila cingulum Meigen, 1830
Mycetophila confluens Dziedzicki, 1884
  = fulva Winnertz, 1864
Mycetophila confusa Dziedzicki, 1884
  = affluctata Edwards, 1941
Mycetophila curviseta Lundström, 1911
Mycetophila deflexa Chandler, 2001
Mycetophila dentata Lundström, 1915
Mycetophila devioides Bechev, 1988
Mycetophila distigma Meigen, 1830
  = w-fuscum Dziedzicki, 1884
Mycetophila dziedzickii Chandler, 1977
  = obscura Dziedzicki, 1884 nec Walker, 1848
Mycetophila estonica Kurina, 1992
Mycetophila evanida Laštovka, 1972
Mycetophila extincta Loew, 1869
  = mikii Dziedzicki, 1884
Mycetophila finlandica Edwards, 1913
Mycetophila flava Winnertz, 1864
Mycetophila forcipata Lundström, 1913
Mycetophila formosa Lundström, 1911
Mycetophila freyii Lundström, 1909
Mycetophila fungorum (De Geer, 1776)
Mycetophila gibbula Edwards, 1925
Mycetophila hetschkoi Landrock, 1918
Mycetophila ichneumonea Say, 1823
Mycetophila idonea Laštovka, 1972
Mycetophila immaculata (Dziedzicki, 1884)
Mycetophila laeta Walker, 1848
  = calva Lundström, 1912
Mycetophila lapponica Lundström, 1906
Mycetophila lobulata Zaitzev, 1999
Mycetophila lubomirskii Dziedzicki, 1884
Mycetophila luctuosa Meigen, 1830
  = modesta Winnertz, 1864
Mycetophila magnicauda Strobl, 1895
Mycetophila marginata Winnertz, 1864
Mycetophila mitis (Johannsen, 1912)
Mycetophila mohilevensis Dziedzicki, 1884
Mycetophila monstera Maximova, 2002
Mycetophila morata Zaitzev, 1999
Mycetophila moravica Landrock, 1925
Mycetophila morosa Winnertz, 1864
Mycetophila nigrofusca Dziedzicki, 1884
Mycetophila occultans Lundström, 1913
  = tarsata Winnertz, 1864 preocc.
Mycetophila ocellus Walker, 1848
Mycetophila ornata Stephens, 1846
Mycetophila ostentanea Zaitzev, 1998
Mycetophila pecinai (Laštovkova, 1963)
Mycetophila perpallida Chandler, 1993
Mycetophila pictula Meigen, 1830
  = bimaculata Fabricius, 1805 nec Meigen, 1804
Mycetophila pseudoforcipata Zaitzev, 1998
Mycetophila pumila Winnertz, 1864
Mycetophila pyrenaica Matile, 1967
Mycetophila quadra Lundström, 1909
Mycetophila ruficollis Meigen, 1818
Mycetophila schnabli (Dziedzicki, 1884)
Mycetophila sigmoides Loew, 1869
Mycetophila signata Meigen, 1830
Mycetophila signatoides Dziedzicki, 1884
  = assimilis Matile, 1967
Mycetophila sinuosa Plassmann & Schacht, 1999
Mycetophila sordida van der Wulp, 1874
Mycetophila stolida Walker, 1856
Mycetophila stricklandi (Laffoon, 1957)
Mycetophila strigata Staeger, 1840
Mycetophila strigatooides Landrock, 1927
Mycetophila strobli Laštovka, 1972
Mycetophila stylata (Dziedzicki, 1884)
Mycetophila sublunata Zaitzev, 1998
Mycetophila subsigillata Zaitzev, 1999
Mycetophila sumavica (Laštovka, 1963)
Mycetophila triangularis Lundström, 1912
Mycetophila trinotata Staeger, 1840
Mycetophila uliginosa Chandler, 1988
Mycetophila unguiculata Lundström, 1913
Mycetophila uninotata Zetterstedt, 1852
Mycetophila unipunctata Meigen, 1818
Mycetophila xanthopyga Winnertz, 1864
Mycetophila zetterstedtii Lundström, 1906

PHRONIA Winnertz, 1864
Phronia aviculata Lundström, 1914
Phronia avidoides Jakovlev & Polevoi, 2009
Phronia biarcuata (Becker, 1908)
  = johannae Steenberg, 1924
  = praecox Edwards, 1925
Phronia bicolor Dziedzicki, 1889
  = fusciventris van Duzee, 1928
Phronia borealis Hackman, 1970
Phronia braueri Dziedzicki, 1889
  = annulata Winnertz, 1864
Phronia caliginosa Dziedzicki, 1889
  = trivittata Dziedzicki, 1889
Phronia cinerascens Winnertz, 1864
Phronia conformis (Walker, 1856)
  = girschneri Dziedzicki, 1889
Phronia cordata Lundström, 1914
Phronia coritanica Chandler, 1992
Phronia cornuta Lundström, 1914
Phronia crassitarsus Hackman, 1970
Phronia digitata Hackman, 1970
Phronia disgriga Dziedzicki, 1889
Phronia distincta Hackman, 1970
Phronia dziedzickii Lundström, 1906
Phronia egregia Dziedzicki, 1889
Phronia electa Dziedzicki, 1889
Phronia elegans Dziedzicki, 1889
Phronia elegantula Hackman, 1970
Phronia exigua (Zetterstedt, 1852)
Phronia fennica Jakovlev & Polevoi, 2009
Phronia flavipes Winnertz, 1864
Phronia forcipata Winnertz, 1864
Phronia forcipula Winnertz, 1864
Phronia gagnei Chandler, 1992
Phronia gracilis Hackman, 1970
Phronia humeralis Winnertz, 1864
Phronia interstincta Dziedzicki, 1889
Phronia longelamellata Strobl, 1898
   = minuta Landrock, 1928
Phronia lutescens Hackman, 1970
Phronia maculata Dziedzicki, 1889
Phronia mutabilis Dziedzicki, 1889
Phronia mutila Lundström, 1911
Phronia nigricornis (Zetterstedt, 1852)
   = dubia Dziedzicki, 1889
Phronia nigripalpis Lundström, 1909
Phronia nitidiventris (van der Wulp, 1859)
   = squalida Winnertz, 1864
   = vitiosa Winnertz, 1864
Phronia notata Dziedzicki, 1889
Phronia obscura Dziedzicki, 1889
Phronia obtusa Winnertz, 1864
Phronia peculiaris Dziedzicki, 1889
Phronia persimilis Hackman, 1970
Phronia petulans Dziedzicki, 1889
Phronia portschinskyi Dziedzicki, 1889
Phronia siebeckii Dziedzicki, 1889
Phronia signata Winnertz, 1864
   = austriaca Winnertz, 1864
Phronia spinigera Hackman, 1970
Phronia strenua Winnertz, 1864
   = flavicollis Winnertz, 1864 nom. dubium
Phronia subsilvatica Hackman, 1970
Phronia sudetica Dziedzicki, 1889
Phronia sylvatica Dziedzicki, 1889
Phronia taczanowskyi Dziedzicki, 1889
Phronia tenuis Winnertz, 1864
Phronia tiefii Dziedzicki, 1889
   = marginata Dziedzicki, 1889
Phronia triangularis Winnertz, 1864
Phronia unica Dziedzicki, 1889
Phronia vitrea Plassmann, 1999
   = carli Chandler, 2001
Phronia willistoni Dziedzicki, 1889
PLATUROCYPTA Enderlein, 1910
Platurocypta punctum (Stannius, 1831)
Platurocypta testata (Edwards, 1925)

**SCEPTONIA** Winnertz, 1864
*Sceptonia concolor* Winnertz, 1864
*Sceptonia costata* (van der Wulp, 1859)
*Sceptonia demeijerei* Bechev, 1997
*Sceptonia flavipuncta* Edwards, 1925
*Sceptonia fumipes* Edwards, 1925
*Sceptonia fuscipalpis* Edwards, 1925
*Sceptonia hamata* Ševčík, 2004
*Sceptonia longisetosa* Ševčík, 2004
*Sceptonia membranacea* Edwards, 1925
*Sceptonia nigra* (Meigen, 1804)
*Sceptonia pughi* Chandler, 1991
*Sceptonia regni* Chandler, 1991
*Sceptonia tenuis* Edwards, 1925
*Sceptonia thaya* Ševčík, 2004

**TRICHONTA** Winnertz, 1864
*Trichonta apicalis* Strobl, 1898
*Trichonta atricauda* (Zetterstedt, 1852) = *adunca* Edwards, 1925
*Trichonta beata* Gagné, 1981
*Trichonta bicolor* Landrock, 1912
*Trichonta bifida* Lundström, 1909
*Trichonta brevicauda* Lundström, 1909
*Trichonta canora* Gagné, 1981
*Trichonta clara* Gagné, 1981
*Trichonta comica* Gagné, 1981
*Trichonta comis* Gagné, 1981
*Trichonta concinna* Gagné, 1981
*Trichonta conjungens* Lundström, 1909
*Trichonta delicata* Gagné, 1981
*Trichonta eximia* Gagné, 1981
*Trichonta facilis* Gagné, 1981
*Trichonta falcata* Lundström, 1911
*Trichonta fissicauda* (Zetterstedt, 1852) = *claripennis* Lundström, 1914
*Trichonta flavicauda* Lundström, 1914
*Trichonta fragilis* Gagné, 1981
*Trichonta fusca* Landrock, 1918
*Trichonta girschneri* Landrock, 1912
*Trichonta hamata* Mik, 1880
Trichonta icenica Edwards, 1925
Trichonta melanura (Staeger, 1840)
Trichonta nigritula Edwards, 1925
Trichonta palustris Maximova, 2002
Trichonta patens Johannsen, 1912
Trichonta perspicua van der Wulp, 1881
  = mediastinalis (Lundström, 1909)
Trichonta subfusca Lundström, 1909
Trichonta submaculata (Staeger, 1840)
Trichonta subterminalis Zaitzev & Menzel, 1996
Trichonta terminalis (Walker, 1856)
* Trichonta tristis (Strobl, 1898) (see Notes)
Trichonta trivittata Lundström, 1916
Trichonta venosa (Staeger, 1840)
Trichonta vitta (Meigen, 1830)
Trichonta vulcani (Dziedzicki, 1889)
  = appropinquata (Strobl, 1900)
  ? = trifida Lundström, 1909 (see Notes)
Trichonta vulgaris Loew, 1869
  = nigricauda Lundström, 1906
ZYGOMYIA Winnertz, 1864
Zygomya angusta Plassmann, 1977
Zygomya humeralis (Wiedemann, 1817)
Zygomya kiddi Chandler, 1991
Zygomya notata (Stannius, 1831)
Zygomya pictipennis (Staeger, 1840)
Zygomya pseudohumeralis Caspers, 1980
Zygomya semifusca (Meigen, 1818) (see Notes)
Zygomya valida Winnertz, 1864
Zygomya vara (Staeger, 1840)
Zygomya zaitzevi Chandler, 1991

Excluded species

Bolitophilidae
Bolitophila spinigera Edwards, 1925 misidentified

Keroplatidae
Macrocer a nigropicea Lundström, 1906 not found within present borders
Macrocer a sudetica Landrock, 1924 only females, unidentifiable (see Notes)
Orfelia bicolor (Macquart, 1826) only females, unidentifiable (see Notes)
Mycetophilidae

*Allodia triangularis* (Strobl, 1895) misidentified
*Cordyla styliforceps* (Bukowski, 1934) misidentified (see Notes)
*Exechiopsis unguiculata* (Lundström, 1911) not found within present borders
*Leptomorphus quadrimaculatus* Matsumura, 1916 misidentified (see Notes)
*Monoclona mikii* Kertesz, 1898 misidentified (see Notes)
*Mycetophila gratiosa* Winnertz, 1864 misidentified (see Notes)
*Mycetophila lunata* Meigen, 1804 misidentified (see Notes)
*Mycetophila vittipes* Zetterstedt, 1852 misidentified (see Notes)
*Palaeodocosia alpicola* (Strobl, 1895) misidentified (see Notes)
*Pseudexechia trisignata* (Edwards, 1913) not found within present borders
*Pseudorymosia optiva* (Dziedzicki, 1910) misidentified (see Notes)
*Sciophila hebes* Johannsen, 1910 misidentified (see Notes)
*Synplasta excogitata* (Dziedzicki, 1910) misidentified (see Notes)
*Trichonta fidelis* Gagné, 1981 mistake (see Notes)

**Notes**

*Cordyla styliforceps* (Bukowski, 1934) was added to the list of Finnish insects by Silfverberg (2007) with a reference to Polevoi (2001) which most probably based on misidentified species (A. Polevoi, pers. comm).

*Leptomorphus quadrimaculatus* Matsumura, 1916 was added to the list of Finnish insects by Silfverberg (2001) with a reference to Polevoi (1995). This record has later shown to belong to *Leptomorphus subforcipatus* (Zaitzev and Ševčík 2002).

*Macrocerus sudetica* Landrock, 1924 and *Orfelia bicolor* (Macquart, 1826) (= *basalis* Winnertz, 1864). Listed in Hackman (1980) by the only female specimen located in the collection of the Finnish Museum of Natural History “Diptera Fennica” that cannot be recognised. No further records from Finland.

*Monoclona mikii* Kertesz, 1898. Listed in Hackman (1980) by erroneously identified male specimen of *Monoclona braueri* and by the female specimen (both are located in “Diptera Fennica”) that cannot be recognized. Later this species has been recorded from Finland under its valid name, *Monoclona silvatica* (Jakovlev et al. 2014).

*Mycetophila gratiosa* Winnertz, 1864. Listed in Hackman (1980) by erroneously identified male specimens of *Mycetophila luctuosa* located in “Diptera Fennica”.

*Mycetophila lunata* Meigen, 1804 was interpreted broadly in old sources, and although it was confirmed by Silfverberg (2001) with a reference to Polevoi (1995) this record has later shown to belong to another related species, *M. sublunata* Zaitzev, 1999. Hence, *M. lunata* still needs to be confirmed from Finland.

*Mycetophila vittipes* Zetterstedt, 1852. Listed in Hackman (1980) by erroneously identified male specimens of *Mycetophila vittipes*-group located in “Diptera Fennica”.

*Palaeodocosia alpicola* (Strobl, 1895) Listed in Hackman (1980) by erroneously identified male specimen of *P. vittata* located in “Diptera Fennica”.

**Pseudorymosia optiva** (Dziedzicki, 1910). The small genus *Pseudorymosia* contains only two known Palaearctic species, *P. fovea* (Dziedzicki, 1910) and *P. optiva* (Dziedzicki, 1910), that in fact might be only one species (Zaitzev 2003). Re-examination of specimens in the “Diptera Fennica” collections formerly identified as *P. optiva* and published by Hackman (1980) revealed that all of them are in fact the widely distributed *P. fovea* as interpreted in newer determination sources (Jakovlev et al. 2006).

**Sciophila hebes** Johannsen, 1910. Recorded by Komonen (2001) by erroneously identified specimens of *Sciophila antiqua*.

**Synplasta excogitata** (Dziedzicki, 1910). Listed in Hackman (1980) by erroneously identified male specimen of *Synplasta gracilis*.

**Trichonta fidelis** Gagné, 1981. Listed in Hackman (1980) with the note that *T. fidelis* Gagné was only a manuscript of Gagné (1981) at the time. Apparently Gagné changed his mind before publication and used this name for an oriental species instead (Hackman 1982).

**Zygomyia semifusca** (Meigen, 1818). Listed in Hackman (1980) as *Mycetophila semifusca*.

**Doubtful and unrecognized species**

* Keroplatus tuvensis Zaitzev, 1991. This species might be a junor synonym of *Keroplatus testaceus* (Kjærandsen et al. 2007). With this reference, it was deleted from the list of Finnish insects by Silfverberg (2012), but this synonym has not been adopted in the checklist of North European fungus gnats (Kjærandsen 2012). Hereby we keep *K. tuvensis* in the Finnish checklist pending revision of the *K. testaceus* complex of species.

* Mycetophila biformis Maximova, 2002 preocc. Added by Jakovlev et al. (2014). This is a junior primary homonym of *Mycetophila biformis* Duret, 1992. A replacement name will be given by the author in the near future (Yulia Maximova, pers. comm.).

* Trichonta tristis* (Strobl, 1898). Judging from illustration of Dziedzicki (1889), he actually illustrated this species as *Trichonta vulcani*. This makes *vulcani* a junior synonym of *tristis*. In this case, *Trichonta trifida* Lundström, 1909 becomes the valid species that we now call *vulcani* (J. Kjærandsen, pers.comm.). Here we list *T. vulcani* and *T. tristis* as valid species sensu Zaitzev (2003), figures 107,1 and 109,5.

**Species listed by Hackman (1980) with a question marks**

Five species, *Docosia flavicoxa* Strobl, 1900, *Cordyla bergensis* (Barendrecht, 1938), *Cordyla murina* Winnertz, 1864, *Mycetophila lunata* Meigen, 1804 and *Phronia petulans* Dziedzicki, 1889 were listed in the former checklist of Finnish Diptera (Hackman 1980) with a question marks. Later, Finnish records were confirmed for *D. flavicoxa* by Jakovlev et al. (2014), for *C. murina* by Jakovlev et al. (2006), and for *P. petulans* by Jakovlev and Polevoi (2009). *Cordyla bergensis* was excluded as a junior synonym of *Cordyla nitidula* (Jakovlev et al. 2006). *Mycetophila lunata* – see above.
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