

Family MYCETOPHILIDAE

Mycetophilids (fungus gnats) are common nematoceros medium-sized flies found worldwide. The adults of extant forms occur primarily in damp, shady places such as forests, along streams, in caves, under boulders, and nests of mammals, sometimes in very large numbers. Larvae are primarily mycophagous, feeding on hyphae and spores of fungi in which they live. Some spin silken webs and are predaceous or feed on mosses and liverworts.

The family Mycetophilidae is one of the most frequently encountered families in the fossil Diptera record. This catalog records 285 species-group taxa in 68 genera. Most species listed here are described from the Tertiary, especially the Eocene/Oligocene Baltic amber. However, some taxa, e.g., *Prodocidia* Whalley and *Sciophilopsis* Handlirsch have been described from Jurassic deposits. A possible undescribed species of *Sciophila* Meigen has been recorded from Cretaceous deposits.

In addition to the determined forms listed below, Vockeroth *in* Matile (1981: 111) recorded undetermined material of this family from the Upper Cretaceous amber of Canada and Fujiyama (1970: 71) illustrated and discussed a poorly preserved specimen from the Miocene deposits of Iki Island, Japan.

Ref.: Meunier (1904c, revision of Baltic amber taxa).

Genus ACNEMIA Winnertz

***ACNEMIA** Winnertz, 1863: 798. Type species: *Leia nitidicollis* Meigen, 1818, by subsequent designation of Johannsen (1909: 63).

bolsuisi Meunier, 1904c: 174 [1904d: 185]. PA: Baltic Region (Eocene/Oligocene) [A].

bolsuisii. Incorrect original spelling of *bolsuisi* (Meunier, 1904c: 85 [1904d: 96]).

cyclosoma Cockerell, 1924a: 5. NE: USA (Eocene) [C].

simplex Cockerell, 1921c: 463. PA: UK (England) (Eocene/Oligocene) [C].

Genus ALLACTONEURA Meijere

***ALLACTONEURA** Meijere, 1907: 201. Type species: *Allactoneura cincta* Meijere, 1907, by monotypy.

veiti Théobald, 1937a: 220. PA: France (Oligocene) [C].

Genus ALLODIA Winnertz

***ALLODIA** Winnertz, 1863: 826. Type species: *Mycetophila ornatcollis* Meigen, 1818 [= *Mycetophila lugens* Wiedemann, 1817], by subsequent designation of Johannsen (1909: 104).

Subgenus BRACHYCAMPTA Winnertz

***BRACHYCAMPTA** Winnertz, 1863: 833 (as genus). Type species: *Mycetophila alternans* Zetterstedt, 1838 [misidentification, = *Mycetophila grata* Meigen, 1830], by subsequent designation of Coquillett (1910: 515).

antiqua Meunier, 1904c: 167 [1904d: 178] (*Brachycampta*). PA: Baltic Region (Eocene/Oligocene) [A].

extincta Meunier, 1904c: 166 [1904d: 177] (*Brachycampta*). PA: Baltic Region (Eocene/Oligocene) [A].

procera Meunier, 1904c: 167 [1904d: 178] (*Brachycampta*). PA: Baltic Region (Eocene/Oligocene) [A].

tomentosa Meunier, 1904c: 167 [1904d: 178] (*Brachycampta*). PA: Baltic Region (Eocene/Oligocene) [A].

Unplaced to Subgenus of ALLODIA Winnertz

brevicornis Meunier, 1904c: 165 [1904d: 176]. PA: Baltic Region (Eocene/Oligocene) [A].

clavata Meunier, 1917a: 84. PA: Baltic Region (Eocene/Oligocene) [A].

eridana Meunier, 1916b: 483. PA: Baltic Region (Eocene/Oligocene) [A].

fungicola Meunier, 1904c: 164 [1904d: 175]. PA: Baltic Region (Eocene/Oligocene) [A].

separata Meunier, 1904c: 165 [1904d: 176]. PA: Baltic Region (Eocene/Oligocene) [A].

succinea Meunier, 1904c: 164 [1904d: 175]. PA: Baltic Region (Eocene/Oligocene) [A].

succinia. Incorrect original spelling of *succinea* (Meunier, 1904c: 85 [1904d: 96]).

winnertzi Meunier, 1922b: 115 [1923a: 14]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus ANACLILEIA Meunier

ANACLILEIA Meunier, 1904c: 146 [1904d: 157]. Type species: *Anaclileia anacliniformis* Meunier, 1904, by subsequent designation of Johannsen (1909: 70).

anacliniformis Meunier, 1904c: 146 [1904d: 157]. PA: Baltic Region (Eocene/Oligocene) [A].

dis similis Meunier, 1904c: 148 [1904d: 159]. PA: Baltic Region (Eocene/Oligocene) [A].

gazagnairei Meunier, 1904c: 147 [1904d: 158]. PA: Baltic Region (Eocene/Oligocene) [A].

sylvatica Meunier, 1904c: 147 [1904d: 158]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus ANATELLA Winnertz

***ANATELLA** Winnertz, 1863: 854. Type species: *Anatella gibba* Winnertz, 1863, by subsequent designation of Johannsen (1909: 101).

tacita Scudder, 1890: 589. NE: USA (Eocene) [C].

Genus ANEURA Marshall

***ANEURA** Marshall, 1896: 287. Type species: *Aneura boletinoides* Marshall, 1896, by monotypy.

apicalis Riek, 1954: 60. AU: Australia (Eocene) [C].

Genus ARCHAEBOLETINA Meunier

ARCHAEBOLETINA Meunier, 1904c: 147 [1904d: 160]. Type species: *Archaeoboletina tipuliformis* Meunier, 1904, by monotypy.

ARCHEOBOLETINA. Incorrect original spelling of *Archaeoboletina* (Meunier, 1904c: 147 [1904d: 160]).

tipuliformis Meunier, 1904c: 149 [1904d: 160]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus ARMBRUSTELEIA Evenhuis, new name

PARALEIA Armbruster, 1938: 120. Unavailable name; genus-group name proposed after 1930 without type species designation. [Preoccupied by Tonnoir, 1929.] **New synonymy.**

PARALEIA Neave, 1944: 233. Type species: *Paraleia rhymosides* Armbruster, 1938, by original designation. [Preoccupied by Tonnoir, 1929.] **New synonymy.**

ARMBRUSTELEIA Evenhuis, 1994: in this work (**new replacement name** for *Paraleia* Neave). Type species: *Paraleia rhymosides* Armbruster, 1938, automatic.

minor Armbruster, 1938: 120 (*Paraleia*). PA: Germany (Miocene) [C]. **New combination.**

rhymosides Armbruster, 1938: 120 (*Paraleia*). PA: Germany (Miocene) [C].
New combination.

Genus AZANA Walker

***AZANA** Walker, 1856: 26. Type species: *Azana scatopsoides* Walker, 1856 [= *Boletina anomala* Staeger, 1840], by monotypy.

rarissima Meunier, 1904c: 173 [1904d: 184]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus BOLETINA Staeger

***BOLETINA** Staeger, 1840: 233. Type species: *Leia trivittata* Meigen, 1818, by subsequent designation of Johannsen (1909: 73).

acropteris Hong, 1981: 86. PA: China (Eocene) [A].
acropteroidis. Incorrect original spelling of *acropteris* (Hong, 1981: 6, 87, 165).

anacliniformis Meunier, 1904c: 152 [1904d: 163]. PA: Baltic Region (Eocene/Oligocene) [A].

angustipennis Statz, 1944a: 78. PA: Germany (Oligocene) [C].

brahmi Meunier, 1917a: 85. PA: Baltic Region (Eocene/Oligocene) [A].

brunnescens Statz, 1944a: 78. PA: Germany (Oligocene) [C].

chlora Hong, 1981: 78. PA: China (Eocene) [A].

conspicua Meunier, 1904c: 156 [1904d: 167]. PA: Baltic Region (Eocene/Oligocene) [A].

fimbriata Meunier, 1904c: 153 [1904d: 164]. PA: Baltic Region (Eocene/Oligocene) [A].

graciosa Statz, 1944a: 79. PA: Germany (Oligocene) [C].

hirta Meunier, 1904c: 154 [1904d: 165]. PA: Baltic Region (Eocene/Oligocene) [A].

hirtella Meunier, 1904c: 155 [1904d: 166]. PA: Baltic Region (Eocene/Oligocene) [A].

hypogaea Melander, 1949: 8. NE: USA (Oligocene) [C].

longicornis Statz, 1944a: 77. PA: Germany (Oligocene) [C]. [Preoccupied by Johannsen, 1902; no new replacement name proposed here.]

meigeniana Förster, 1891: 458. PA: Germany (Miocene) [C].

melaina Hong, 1981: 81. PA: China (Eocene) [A].

oustaleti Meunier, 1904c: 153 [1904d: 164]. PA: Baltic Region (Eocene/Oligocene) [A].

oustabeti. Incorrect original spelling of *oustaleti* (Meunier, 1904c: 84 [1904d: 95]).

paludivaga Scudder, 1890: 594. NE: USA (Eocene) [C].

- philydra** Heyden, 1870: 246. PA: Germany (Oligocene) [C].
- pilosa** Meunier, 1904c: 153 [1904d: 164]. PA: Baltic Region (Eocene/Oligocene) [A].
- pulvinata** Hong, 1981: 83. PA: China (Eocene) [A].
- sepulta** Scudder, 1877b: 271. NE: Canada (Oligocene) [C].
- serrata** Meunier, 1904c: 156 [1904d: 167]. PA: Baltic Region (Eocene/Oligocene) [A].
- subhirta** Meunier, 1904c: 155 [1904d: 166]. PA: Baltic Region (Eocene/Oligocene) [A].
- uda** Hong, 1981: 85. PA: China (Eocene) [A].
- umbratica** Scudder, 1890: 593. NE: USA (Eocene) [C].
- uniciliata** Meunier, 1916b: 486. PA: Baltic Region (Eocene/Oligocene) [A].
- Unidentified sp.—PA: Russia (Siberia) (Pliocene) [C] (Rohdendorf, 1974: 128).
- ?Unidentified sp.—PA: Japan (Pliocene/Pleistocene) [C] (Fujiyama & Iwao, 1975: 43).

Genus BRACHYPEZA Winnertz

- ***BRACHYPEZA** Winnertz, 1863: 806. Type species: *Brachypeza bisignata* Winnertz, 1863, by subsequent designation of Johannsen (1909: 101).
- abita** Scudder, 1877b: 271. NE: Canada (Oligocene) [C].
- graciosa** Meunier, 1917b: 10. PA: Germany (Oligocene) [C].
- grandis** Meunier, 1917a: 82. PA: Baltic Region (Eocene/Oligocene) [A].
- procera** Scudder, 1877b: 272. NE: Canada (Oligocene) [C].

Genus COELOSIA Winnertz

- ***COELOSIA** Winnertz, 1863: 796. Type species: *Boletina flava* Staeger, 1840, by subsequent designation of Johannsen (1909: 86).
- PALAEOPHTHINIA** Meunier, 1904c: 149 [1904d: 160]. Type species: *Palaeophthinia aberrans* Meunier, 1904, by monotypy.
- aberrans** Meunier, 1904c: 149 [1904d: 160] (*Palaeophthinia*). PA: Baltic Region (Eocene/Oligocene) [A].

- empalioides** Meunier, 1904c: 124 [1904d: 135]. PA: Baltic Region (Eocene/Oligocene) [A].
- incompleta** Meunier, 1904c: 121 [1904d: 132]. PA: Baltic Region (Eocene/Oligocene) [A].
- indistincta** Meunier, 1904c: 121 [1904d: 132]. PA: Baltic Region (Eocene/Oligocene) [A].
- modesta** Meunier, 1923b: 23. PA: Baltic Region (Eocene/Oligocene) [A].
modesta Meunier, 1922b: 115. *Nomen nudum*.
- mucronata** Meunier, 1904c: 123 [1904d: 134]. PA: Baltic Region (Eocene/Oligocene) [A].
- tenebrosa** Meunier, 1904c: 122 [1904d: 133]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus MANOTA Williston

- ***MANOTA** Williston, 1896: 260. Type species: *Manota defecta* Williston, 1896, by monotypy.
- CERATO** Meunier, 1904a: 87 [1904c: 76]. Type species: *Cerato longipalpis* Meunier, 1904, by monotypy.
- concolor** Statz, 1944a: 71. PA: Germany (Oligocene) [C].
- longipalpis** Meunier, 1904a: 87 [1904c: 76] (*Cerato*). PA: Baltic Region (Eocene/Oligocene) [A].
- Unidentified sp.—NT: Mexico (Oligocene/Miocene) [A] (Gagné, 1980: 152).
- Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (N.L. Evenhuis, unpubl.).

Genus MYCETOPHILA Meigen

- ***MYCETOPHILA** Meigen, 1803: 263. Type species: *Tipula agarici* Villers, 1789, by subsequent designation of Johannsen (1909: 110).
- ***MYCOTHERA** Winnertz, 1863: 913. Type species: *Mycetophila dimidiata* Staeger, 1840 [= *Mycetophila ocellus* Walker, 1848], by subsequent designation of Johannsen (1909: 111).
- agilis** Meunier, 1904c: 171 [1904d: 182] (*Mycothera*). PA: Baltic Region (Eocene/Oligocene) [A].
- amoena** Heer, 1849: 203. PA: Croatia (Miocene) [C].
- antennata** Meunier, 1899b: 164. PA: Baltic Region (Eocene/Oligocene) [A].
- antiqua** Heer, 1849: 203. PA: Croatia (Miocene) [C].
- appendiculata** Keilbach, 1982: 328. *Nomen nudum*.
- approximata** Keilbach, 1982: 328. *Nomen nudum*.
- bradenae** Cockerell, 1915b: 159. NE: USA (Oligocene) [C].
- capricornis** Keilbach, 1982: 328. *Nomen nudum*.

- compressa** Loew, 1850*b*: 34. PA: Baltic Region (Eocene/Oligocene) [A].
- confusa** Théobald, 1937*a*: 326. PA: France (Oligocene) [C].
- conjuncta* Keilbach, 1982: 328. *Nomen nudum*.
- cordyliformis** Meunier, 1904*c*: 171 [1904*d*: 182] (*Mycothera*). PA: Baltic Region (Eocene/Oligocene) [A].
- crassipes* Keilbach, 1982: 328. *Nomen nudum*.
- curta* Keilbach, 1982: 328. *Nomen nudum*.
- fallax* Keilbach, 1982: 328. *Nomen nudum*.
- frequens* Meunier, 1899*b*: 164. *Nomen nudum*.
- gracilipes* Keilbach, 1982: 329. *Nomen nudum*.
- gracilis* Keilbach, 1982: 329. *Nomen nudum*.
- grandicornis* Keilbach, 1982: 329. *Nomen nudum*.
- hispidula* Meunier, 1899*b*: 164. *Nomen nudum*.
- latipennis** Heer, 1849: 205. PA: Croatia (Miocene) [C].
- lepida* Keilbach, 1982: 329. *Nomen nudum*.
- leptocera** Loew, 1850*b*: 34. Baltic (Eocene/Oligocene) [A].
- longicornis* Keilbach, 1982: 329. *Nomen nudum*.
- longipennis** Théobald, 1937*a*: 327. PA: France (Oligocene) [C].
- longipennis* Keilbach, 1982: 329. *Nomen nudum*.
- macrostyla** Loew, 1850*b*: 34. PA: Baltic Region (Eocene/Oligocene) [A].
- meigeniana** Heer, 1856: 32. PA: France (Oligocene) & Croatia (Miocene) [C].
- morio** Heer, 1856: 32. PA: France (Oligocene) [C].
- dubia* Giebel, 1856: 234. PA: France (Oligocene) [C].
- nana* Heer, 1849: 202. PA: Croatia (Miocene) [C]. [Preoccupied by Macquart, 1834; no new replacement name proposed here.]
- obliqua* Keilbach, 1982: 329. *Nomen nudum*.
- occulta* Keilbach, 1982: 329. *Nomen nudum*.
- orci** Heer, 1864: 394. PA: Germany (Oligocene) [C].
- pachycera* Keilbach, 1982: 329. *Nomen nudum*.
- phalax* Meunier, 1899*b*: 164. *Nomen nudum*.
- pulchella** Heer, 1849: 201. PA: Croatia (Miocene) [C].
- pulicaria* Meunier, 1899*b*: 164. *Nomen nudum*.
- pulvillata** Loew, 1850*b*: 34. PA: Baltic Region (Eocene/Oligocene) [A].
- pumiliformis** Piton *in* Piton & Théobald, 1935: 84. PA: France (Oligocene) [C].
- pumilio** Heer, 1849: 206. PA: Croatia (Miocene) [C].
- pusilla* Keilbach, 1982: 330. *Nomen nudum*.
- pusillima** Heer, 1864: 394. PA: Germany (Oligocene) [C].
- remipes* Keilbach, 1982: 330. *Nomen nudum*.
- retracta* Keilbach, 1982: 330. *Nomen nudum*.
- simplex* Keilbach, 1982: 330. *Nomen nudum*.
- spinosa** Jentzsch, 1892: 56, fig. 34. PA: Baltic Region (Eocene/Oligocene) [A].
- subacuticornis* Keilbach, 1982: 330. *Nomen nudum*.
- subsessilis* Keilbach, 1982: 330. *Nomen nudum*.
- tenuissima* Keilbach, 1982: 330. *Nomen nudum*.
- vectensis** Cockerell, 1915*c*: 490. PA: UK (England) (Eocene/Oligocene) [C].

Unidentified sp.—PA: Bulgaria (Undetermined Tertiary) [C] (Drenski & Stefanov, 1939: 51).

Genus MYCOMYA Rondani

SCIOBIA Loew, 1850b: 34. Type species: *Sciobia peduncularis* Loew, 1850, by monotypy. [Preoccupied by Burmeister, 1838.] **New synonymy.**

[See under Nomenclatural Notes for more details on this synonymy.]

***MYCOMYA** Rondani, 1856: 194. Type species: *Sciophila marginata* Meigen, 1818, by original designation.

***MYCOMYIA** Edwards, 1913: 335 (unjustified emendation of *Mycomya* Rondani). Type species: *Sciophila marginata* Meigen, 1818, automatic.

aristei Cockerell, 1923: 331. NT: Colombia (?Pleistocene/Holocene) [K].

cockerelli Johannsen, 1912: 140. NE: USA (Oligocene) [C].

crassicornis Meunier, 1904c: 114 [1904d: 125] (*Sciophila*). PA: Baltic Region (Eocene/Oligocene) [A].

curvithoracis Théobald, 1937a: 323. PA: France (Oligocene) [C].

fossilis Statz, 1944a: 73. PA: Germany (Oligocene) [C].

helmii Meunier, 1904c: 108, 264 [1904d: 119, 275] (*Sciophila*). PA: Baltic Region (Eocene/Oligocene) [A].

helmi. Incorrect original spelling of *helmii* (Meunier, 1904c: 83, 113 [1904d: 94, 124]).

hubaulti Théobald, 1937a: 402. PA: France (Oligocene) [C].

kuhni Statz, 1944a: 73. PA: Germany (Oligocene) [C].

lithomendax Cockerell, 1915a: 647. NE: USA (Oligocene) [C].

oblita Cockerell, 1921c: 463. PA: UK (England) (Eocene/Oligocene) [C].

peduncularis Loew, 1850b: 34 (*Sciobia*). PA: Baltic Region (Eocene/Oligocene) [A].

reisingeri Statz, 1944a: 75. PA: Germany (Oligocene) [C].

subquadrata Meunier, 1904c: 114 [1904d: 125] (*Sciophila*). PA: Baltic Region (Eocene/Oligocene) [A].

umbonata Statz, 1944a: 74. PA: Germany (Oligocene) [C].

unicolor Statz, 1944a: 71. PA: Germany (Oligocene) [C]. [Preoccupied by Walker, 1848; no new replacement name proposed here.]

vetusta Heer, 1849: 206 (*Sciophila*). PA: Switzerland (Miocene) [C]; PA: Austria (Miocene) [C].

Unidentified sp.—PA: Japan (Pleistocene) [K] (Saigusa, 1974: 427).

Genus NEOEMPHERIA Osten Sacken

- **EMPHERIA* Winnertz, 1863: 739. Type species: *Sciophila striata* Meigen, 1818, automatic.
- ***NEOEMPHERIA** Osten Sacken, 1878: 9 (new replacement name for *Empheria* Winnertz). Type species: *Sciophila striata* Meigen, 1818, by subsequent designation of Coquillett (1910: 574).
- MYCOMYA*, authors, not Rondani, 1850, misidentification.
- bella** Meunier, 1922b: 115 [1923b: 22] (*Empheria*). PA: Baltic Region (Eocene/Oligocene) [A].
- maculata** Meunier, 1907a: 54 (*Empheria*). AF: Tanzania (Pleistocene/Holocene) [K].
- major** Meunier, 1904c: 116 [1904d: 127] (*Empheria*). PA: Baltic Region (Eocene/Oligocene) [A].
- minor** Meunier, 1904c: 115 [1904d: 126] (*Empheria*). PA: Baltic Region (Eocene/Oligocene) [A].
- wittenheimiana** Quiévreux, 1938: 84. PA: France (Oligocene) [C].

Genus NEURATELIA Rondani

- ***NEURATELIA** Rondani, 1856: 195. Type species: *Mycetophila nemoralis* Meigen, 1818, by original designation.
- ANACLINIA* Winnertz, 1863: 770. Type species: *Mycetophila nemoralis* Meigen, 1818, by monotypy.
- PROANACLINIA* Meunier, 1904c: 145 [1904d: 156]. Type species: *Proanaclinia gibbosa* Meunier, 1904, by subsequent designation of Edwards (1940: 121).
- gibbosa** Meunier, 1904c: 145 [1904d: 156] (*Proanaclinia*). PA: Baltic Region (Eocene/Oligocene) [A].
- giebeli** Meunier, 1904c: 145 [1904d: 156] (*Proanaclinia*). PA: Baltic Region (Eocene/Oligocene) [A].
- ?Unidentified sp.—NE: USA (Eocene) [C] (Scudder, 1890: 597).

Genus PALAEOANACLINIA Meunier

- ***PALAEOANACLINIA** Meunier, 1904c: 143 [1904d: 154]. Type species: *Palaeoanacclinia distincta* Meunier, 1904, by subsequent designation of Johannsen (1909: 86).
- affinis** Meunier, 1904c: 144 [1904d: 155]. PA: Baltic Region (Eocene/Oligocene) [A].
- curvipetiolata** Meunier, 1904c: 143 [1904d: 154]. PA: Baltic Region (Eocene/Oligocene) [A].

distincta Meunier, 1904c: 144 [1904d: 155]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PALAEOBOLETINA Meunier

PALAEOBOLETINA Meunier, 1904c: 150 [1904d: 161]. Type species: *Palaeoboletina elongatissima* Meunier, 1904, by subsequent designation of Edwards (1940: 122).

elongatissima Meunier, 1904c: 151 [1904d: 162]. PA: Baltic Region (Eocene/Oligocene) [A].

grandis Meunier, 1904c: 150 [1904d: 161]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PALAEODOCOSIA Meunier

PALAEODOCOSIA Meunier, 1904c: 161 [1904d: 172]. Type species: *Palaeodocosia brachypezoides* Meunier, 1904, by monotypy.

PALAEOTRICHONTA Meunier, 1904c: 168 [1904d: 179]. Type species: *Palaeotrichonta brachycampites* Meunier, 1904, by monotypy.

PALÉO-SYNTENNA Meunier, 1922b: 119. Unavailable name; name proposed in vernacular form.

SCIOMORPHA Meunier, 1922b: 116. Type species: *Sciomorpha johannseni* Meunier, 1922, by **present designation**.

PALEOSYNTENNA Carpenter, 1992: 416. Type species: *Palaeodocosia brachypezoides* Meunier, 1904, by original designation. **New synonymy**. [Genus-group name valid by bibliographic reference to Meunier (1922b: 119).]

brachycampites Meunier, 1904c: 168 [1904d: 179] (*Palaeotrichonta*). PA: Baltic Region (Eocene/Oligocene) [A].

brachypezoides Meunier, 1904c: 161 [1904d: 172]. PA: Baltic Region (Eocene/Oligocene) [A].

johannseni Meunier, 1922b: 116 (*Sciomorpha*). PA: Baltic Region (Eocene/Oligocene) [A].

rara Meunier, 1922b: 116 (*Sciomorpha*). PA: Baltic Region (Eocene/Oligocene) [A].

sclerosa Meunier, 1923b: 26 (*Sciomorpha*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus PALAEOEMPALIA Meunier

***PALAEOEMPALIA** Meunier, 1897: 218. Type species: *Palaeoempalia brongniarti* Meunier, 1904, by subsequent designation of Johannsen (1909: 43).

SCIOBIA, authors, not Loew, 1850, misidentification.

broeckii Meunier, 1904c: 119 [1904d: 130]. PA: Baltic Region (Eocene/Oligocene) [A].

brongniarti Meunier, 1904c: 118 [1904d: 129]. PA: Baltic Region (Eocene/Oligocene) [A].

spinosa Loew, 1850b: 34 (*Sciobia*). *Nomen nudum*.

crassipes Meunier, 1904c: 117 [1904d: 128]. PA: Baltic Region (Eocene/Oligocene) [A].

cylindrica Meunier, 1904c: 173 [1904d: 184]. PA: Baltic Region (Eocene/Oligocene) [A].

dilatata Loew, 1850b: 43 (*Sciobia*). *Nomen nudum*.

interrupta Meunier, 1916b: 478. PA: Baltic Region (Eocene/Oligocene) [A].

mutabilis Meunier, 1904c: 119 [1904d: 130]. PA: Baltic Region (Eocene/Oligocene) [A].

notata Meunier, 1923b: 17. PA: Baltic Region (Eocene/Oligocene) [A].

notata Meunier, 1922b: 115. *Nomen nudum*.

ornata Meunier, 1922b: 115. PA: Baltic Region (Eocene/Oligocene) [A].

quadrangularis Loew, 1850b: 34 (*Sciobia*). *Nomen nudum*.

servata Meunier, 1922b: 115. PA: Baltic Region (Eocene/Oligocene) [A].

succinea Meunier, 1904c: 264 [1904d: 275]. PA: Baltic Region (Eocene/Oligocene) [A].

succini. Incorrect original spelling of *succinea* (Meunier, 1904c: 109, 118 [1904d: 120, 129]).

urbana Meunier, 1922b: 115 [1923b: 19]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PALAEOSYNAPHA Meunier

PALAEOSYNAPHA Meunier, 1900: 111. Type species: *Palaeosynapha kovalevi* Evenhuis, 1993, by **present designation**.

[*Palaeosynapha* originally proposed without included species. The type designated is the first inclusion of a named species within the genus in accordance with the *Code*.]

kovalevi Evenhuis, 1994: in this work (**new species**). PA: Baltic Region (Eocene/Oligocene) [A].

[Species-group name validated by bibliographic reference to characters in Meunier (1900: 111) for the genus *Palaeosynapha*.]

Genus PHRONIA Winnertz

***PHRONIA** Winnertz, 1863: 857. Type species: *Phronia rustica* Winnertz, 1863 [= *Mycetophila exigua* Zetterstedt, 1852], by subsequent designation of Johannsen (1909: 126).

brevipennis Théobald, 1937a: 324. PA: France (Oligocene) [C].

ciliata Meunier, 1904c: 169 [1904d: 180]. PA: Baltic Region (Eocene/Oligocene) [A].

unifurcata Meunier, 1917a: 81. PA: Baltic Region (Eocene/Oligocene) [A].

virgata Cockerell, 1921c: 465. PA: UK (England) (Eocene/Oligocene) [C].

Genus PHTHINIA Winnertz

***PHTHINIA** Winnertz, 1863: 779. Type species: *Phthinia humilis* Winnertz, 1863, by subsequent designation of Johannsen (1909: 83).

longipoda Statz, 1944a: 76. PA: Germany (Oligocene) [C].

Genus POLYLEPTA Winnertz

***POLYLEPTA** Winnertz, 1863: 745. Type species: *Polylepta undulata* Winnertz, 1863 [= *Sciophila guttiventris* Zetterstedt, 1852], by subsequent designation of Johannsen (1909: 43).

filipes Meunier, 1904c: 116 [1904d: 127]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PROALLODIA Neave

PROALLODIA Armbruster, 1938: 121. Unavailable name; genus-group name proposed after 1930 without type species designation.

PROALLODIA Neave, 1944: 233. Type species: *Proalldia rhymosides* Armbruster, 1938, by original designation.

delopsides Armbruster, 1938: 121. PA: Germany (Miocene) [C].

rhymosides Armbruster, 1938: 121. PA: Germany (Miocene) [C].

Genus PROAPOLEPHTHISA Armbruster

PROAPOLEPHTHISA Armbruster, 1938: 119. Type species: *Proapolephthisa manotides* Armbruster, 1938, by monotypy.

manotides Armbruster, 1938: 119. PA: Germany (Miocene) [C].

Genus PROBOLETINA Meunier

PROBOLETINA Meunier, 1904c: 151 [1904d: 162]. Type species: *Proboletina syntemniiformis* Meunier, 1904, by monotypy.

syntemniiformis Meunier, 1904c: 151 [1904d: 162]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PRODELOPSIS Neave

PRODELOPSIS Armbruster, 1938: 122. Unavailable name; genus-group name proposed after 1930 without type species designation.

PRODELOPSIS Neave, 1944: 233. Type species: *Prodelopsis epicyptides* Armbruster, 1938, by original designation.

epicyptides Armbruster, 1938: 122. PA: Germany (Miocene) [C].

exechides Armbruster, 1938: 122. PA: Germany (Miocene) [C].

Genus PRODOCIDIA Whalley

PRODOCIDIA Whalley, 1985: 158. Type species: *Prodocidia spectra* Whalley, 1985, by original designation.

spectra Whalley, 1985: 158. PA: UK (England) (Lower Jurassic) [C].

Genus PRODOCOSIA Armbruster

PRODOCOSIA Armbruster, 1938: 120. Type species: *Prodocosia rondaniellides* Armbruster, 1938, by monotypy.

rondaniellides Armbruster, 1938: 120. PA: Germany (Miocene) [C].

Genus PROEPICYPTA Armbruster

PROEPICYPTA Armbruster, 1938: 121. Type species: *Proepicypta obesa* Armbruster, 1938, by monotypy.

obesa Armbruster, 1938: 121. PA: Germany (Miocene) [C].

Genus PROHADRONEURA Armbruster

PROHADRONEURA Armbruster, 1938: 119. Type species: *Prohadroneura dziedzickides* Armbruster, 1938, by monotypy.

dziedzickides Armbruster, 1938: 119. PA: Germany (Miocene) [C].

Genus PROLEIA Armbruster

PROLEIA Armbruster, 1938: 120. Type species: *Proleia landrocki* Armbruster, 1938, by monotypy.

landrocki Armbruster, 1938: 120. PA: Germany (Miocene) [C].

Genus PROMYCETOMYIA Armbruster

PROMYCETOMYIA Armbruster, 1938: 119. Type species: *Promycetomyia neoempherides* Armbruster, 1938, by monotypy.

neoempherides Armbruster, 1938: 119. PA: Germany (Miocene) [C].

Genus PRONEOGLAPHYROPTERA Meunier

PRONEOGLAPHYROPTERA Meunier, 1904c: 158 [1904d: 169]. Type species: *Proneoglyphyoptera eocenica* Meunier, 1904, by monotypy.

eocenica Meunier, 1904c: 158 [1904d: 169]. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PRONOVAKIA Armbruster

PRONOVAKIA Armbruster, 1938: 120. Type species: *Pronovakia incerta* Armbruster, 1938, by monotypy.

incerta Armbruster, 1938: 120. PA: Germany (Miocene) [C].

Genus PROPHRONIA Armbruster

PROPHRONIA Armbruster, 1938: 121. Type species: *Prophronia dynatosomides* Armbruster, 1938, by monotypy.

dynatosomides Armbruster, 1938: 121. PA: Germany (Miocene) [C].

Genus PROPHTHINIA Neave

PROPHTHINIA Armbruster, 1938: 119. Unavailable name; genus-group name proposed after 1930 without type species designation.

PROPHTHINIA Neave, 1944: 233. Type species: *Prophthinia coelosides* Armbruster, 1938, by original designation.

coelosides Armbruster, 1938: 119. PA: Germany (Miocene) [C].

leides Armbruster, 1938: 119. PA: Germany (Miocene) [C].

Genus PROTOTASMANINA Riek

PROTOTASMANINA Riek, 1954: 60. Type species: *Prototasmanina nana* Riek, 1954, by original designation.

nana Riek, 1954: 60. AU: Australia (Eocene) [C].

Genus PROTRICHONTA Armbruster

PROTRICHONTA Armbruster, 1938: 121. Type species: *Protrichonta delopsides* Armbruster, 1938, by monotypy.

delopsides Armbruster, 1938: 121. PA: Germany (Miocene) [C].

Genus RONDANIELLA Johannsen

***RONDANIELLA** Johannsen, 1909: 66. Type species: *Leia variegata* Winnertz, 1863, by original designation.

interrupta Loew, 1850b: 34 (*Leja*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus RUBSAAMENIELLA Meunier

RUBSAAMENIELLA Meunier, 1903*b*: 165. Type species: *Rubsaameniella semibrachyptera* Meunier, 1903, by monotypy.

semibrachyptera Meunier, 1903*b*: 165. PA: Baltic Region (Eocene/Oligocene) [A].

Genus RYMOSIA Winnertz

***RYMOSIA** Winnertz, 1863: 810. Type species: *Mycetophila discoidea* Meigen, 1818 [misidentification, = *Mycetophila fasciata* Meigen, 1804], by subsequent designation of Johannsen (1909: 102).

PALAEOEPICYPTA Meunier, 1904*c*: 170 [1904*d*: 181]. Type species: *Palaeoepicypta longicalcar* Meunier, 1904, by monotypy.

RHYMOSIA, error for *Rymosia*.

edwardsi Cockerell, 1921*c*: 464. PA: UK (England) (Eocene/Oligocene) [C].

ferruginea Cockerell, 1921*c*: 465. PA: UK (England) (Eocene/Oligocene) [C].

foersteri Théobald, 1937*a*: 22. PA: France (Oligocene) [C].

grisea Cockerell, 1921*c*: 464. PA: UK (England) (Eocene/Oligocene) [C].

longicalcar Meunier, 1904*c*: 170 [1904*d*: 181] (*Palaeoepicypta*). PA: Baltic Region (Eocene/Oligocene) [A].

miocenica Lewis, 1969: 109. NE: USA (Miocene) [C].

rufescens Cockerell, 1921*c*: 465. PA: UK (England) (Eocene/Oligocene) [C].

strangulata Scudder, 1890: 590. NE: USA (Eocene) [C].

Unidentified sp.—PA: Japan (Pleistocene) [K] (Saigusa, 1974: 433).

Genus SACKENIA Scudder

SACKENIA Scudder, 1877*a*: 754. Type species: *Sackenia arcuata* Scudder, 1877, by monotypy.

arcuata Scudder, 1877*a*: 754. NE: USA (Eocene) [C].

gibbosa Cockerell, 1907: 285. NE: USA (Eocene) [C].

Genus SCIOPHILA Meigen

***SCIOPHILA** Meigen, 1818: 245. Type species: *Sciophila hirta* Meigen, 1818, by subsequent designation of Curtis (1837: pl. 641).

***LASIOSOMA** Winnertz, 1863: 748. Type species: *Sciophila pilosa* Meigen, 1838 [= *Sciophila hirta* Meigen, 1818], by subsequent designation of Coquillett (1910: 558).

armipes Meunier, 1899*e*: 170. PA: Baltic Region (Eocene/Oligocene) [A].

- atra** Giebel, 1856: 237. PA: Baltic Region (Eocene/Oligocene) [A].
atropos Meunier, 1899e: 170. *Nomen nudum*.
blotho Meunier, 1899e: 170. *Nomen nudum*.
carbonaria Meunier, 1899e: 170. PA: Baltic Region (Eocene/Oligocene) [A].
cognata Meunier, 1899e: 170. *Nomen nudum*.
curvipetiolata Meunier, 1904c: 124 [1904d: 135] (*Lasiosoma*). PA: Baltic Region (Eocene/Oligocene) [A].
dilatata Loew, 1850b: 34. PA: Baltic Region (Eocene/Oligocene) [A].
disjuncta Meunier, 1899e: 171. *Nomen nudum*.
hyatti Scudder, 1890: 597. NE: USA (Eocene) [C].
inermis Meunier, 1899e: 171. PA: Baltic Region (Eocene/Oligocene) [A].
lachesis Meunier, 1899e: 171. *Nomen nudum*.
loewi Giebel, 1856: 236. PA: Baltic Region (Eocene/Oligocene) [A].
micropora Meunier, 1899e: 171. PA: Baltic Region (Eocene/Oligocene) [A].
minutissima Meunier, 1915c: 217 (*Lasiosoma*). PA: Germany (Oligocene) [C].
mirandula Cockerell, 1909b: 53 (*Lasiosoma*). NE: USA (Oligocene) [C]. **New combination**.
obscura Meunier, 1899e: 172. *Nomen nudum*.
socialis Giebel, 1856: 236. PA: Baltic Region (Eocene/Oligocene) [A].
spinipes Meunier, 1899e: 172. *Nomen nudum*.
trapezoides Meunier, 1899e: 172. *Nomen nudum*.
 ?Unidentified sp.—PA: UK (England) (Lower Cretaceous) [C] (Jarzembowski, 1984: 80).

Genus **SCIOPHILOPSIS** Handlirsch

- SCIOPHILOPSIS** Handlirsch, 1906a: 632. Type species: *Sciophilopsis brodiei* Handlirsch, 1906, by monotypy.
brodiei Handlirsch, 1906a: 632. PA: Germany (Upper Jurassic) [C].
 Unidentified sp.—PA: UK (England) (Lower Cretaceous) [C] (Handlirsch, 1939: 162).

Genus **SCUDDERIELLA** Meunier

- SCUDDERIELLA** Meunier, 1894a: 63. Type species: *Scudderiella scudderi* Evenhuis, 1993, by **present designation**.
 [*Scudderiella* originally proposed without included species. The type designated is from the first inclusion of a named species within the genus in accordance with the *Code*.]
scudderi Evenhuis, 1994: in this work (**new species**). PA: Baltic Region (Eocene/Oligocene) [A].

[Species-group name valid by bibliographic reference to characters given in Meunier (1894a: 62) for the genus *Scudderiella*.]

Genus SYNAPHA Meigen

***SYNAPHA** Meigen, 1818: 227. Type species: *Synapha fasciata* Meigen, 1818, by monotypy.

***EMPALIA** Winnertz, 1863: 762. Type species: *Sciophila vitripennis* Meigen, 1818, by monotypy.

subtriangularis Meunier, 1904c: 120 [1904d: 131] (*Empalia*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination.**

Genus SYNPLASTA Skuse

***SYNPLASTA** Skuse, 1890c: 629. Type species: *Synplasta annuliventris* Skuse, 1890, by monotypy.

crassicornis Meunier, 1904c: 172 [1904d: 183] (*Dynatosoma*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus SYNTEMNA Winnertz

***SYNTEMNA** Winnertz, 1863: 767. Type species: *Syntemna morosa* Winnertz, 1863, by monotypy.

compressa Meunier, 1904c: 140 [1904d: 151]. PA: Baltic Region (Eocene/Oligocene) [A].

dama Meunier, 1917a: 78. PA: Baltic Region (Eocene/Oligocene) [A].

elongata Meunier, 1904c: 139 [1904d: 150]. PA: Baltic Region (Eocene/Oligocene) [A].

johannseni Meunier, 1922b: 117. PA: Baltic Region (Eocene/Oligocene) [A].

lundstromi Meunier, 1922b: 118 [1923b: 33]. PA: Baltic Region (Eocene/Oligocene) [A].

minuta Meunier, 1917a: 80. PA: Baltic Region (Eocene/Oligocene) [A].

oblita Meunier, 1917a: 79. PA: Baltic Region (Eocene/Oligocene) [A].

pinites Meunier, 1904c: 139 [1904d: 150]. PA: Baltic Region (Eocene/Oligocene) [A].

prolongata Meunier, 1904c: 142 [1904d: 153]. PA: Baltic Region (Eocene/Oligocene) [A].

sciophiliformis Meunier, 1904c: 142 [1904d: 153]. PA: Baltic Region (Eocene/Oligocene) [A].