

Family LIMONIIDAE

Limoniids share many characteristics with tipulids, but are normally smaller in size, though exceptions occur. The family is found worldwide with approximately 11,000 species having been described. In extant forms, immatures are found in aquatic or semiaquatic environments where they feed on decaying plant matter, fungi, and algae. Adult males of certain species may swarm.

The separation of Limoniidae, Cylindrotomidae, and Tipulidae is retained in this catalog following the treatment of these families by contemporary European workers.

A possible limoniid has been recorded from the Lower Cretaceous amber of Lebanon by Whalley (1981) and undetermined material has been recorded from the Late Cretaceous amber of France by Schlüter (1978: 93) and the Cretaceous amber of Siberia (Zherichin & Sukacheva, 1973: 20; Zherichin, 1978: 82). Other undetermined records include material from the Miocene of Sado Island Japan (Fujiyama, 1985: 37), a possible new genus close to *Pseudolimnophila* Alexander and *Eutonia* Wulp from the Paleocene of Alberta, Canada (Wighton, 1982: 578), and two specimens probably representing new genera from the Lower Cretaceous deposits of the Koonwarra Fossil Bed, Australia (Jell & Duncan, 1986: 169).

Ref.: Meunier (1906*f*, revision of amber taxa); Scudder (1894, review of North American fossils); Alexander (1931, review of Baltic amber taxa).

Genus ADELPHOMYIA Bergroth

***ADELPHOMYIA** Bergroth, 1891: 134. Type species: *Adelphomyia helvetica* Bergroth, 1891 [= *Limnobia punctum* Meigen, 1818], by monotypy.

disjunctula Cockerell & Haines, 1921*a*: 83. PA: UK (England) (Eocene/Oligocene) [C].

Genus ALLARITHMIA Loew

ALLARITHMIA Loew, 1850*b*: 36. Type species: *Allarithmia palpata* Loew, 1850, by monotypy.

palpata Loew, 1850*b*: 38. PA: Baltic Region (Eocene/Oligocene) [A].

Genus ANTOCHA Osten Sacken

**TAPHROPHILA* Rondani, 1856: 185. Type species: *Limnobia inusta* Meigen, 1818 [misidentification], by original designation.

***ANTOCHA** Osten Sacken, 1860: 219. Type species: *Antocha saxicola* Osten Sacken, 1860, by subsequent designation of Coquillett (1910: 508).

[In the interest of stability and in accordance with usage, the name *Antocha* is here retained for species in this genus, whereas Hutson & Vane-Wright (1969) recommend to consider *Taphrophila* as senior synonym of *Antocha*. The original type designation of *Taphrophila* is based on a misidentification while the description of *Taphrophila* refers to characters typical of *Antocha*. In this case, a subsequent type-designation is required. Acceptance of the original (misidentified) type species of *Taphrophila* cannot be recommended because it would result in *Taphrophila* becoming a junior synonym of *Limonia* and a senior synonym of *Atypophthalmus*.]

principalis Scudder, 1894: 208 (46). NE: USA (Oligocene) [C].

Genus ARCHIMESOTIPULA Lin

ARCHIMESOTIPULA Lin, 1986: 87. Type species: *Archimesotipula antefortis* Lin, 1986, by original designation.

ARCHIMOSOTIPULA. Incorrect original spelling of *Archimesotipula* (Lin, 1986: 87).

antefortis Lin, 1986: 88. PA: China (Lower Jurassic) [C].

antifortis. Incorrect original spelling of *antefortis* (Lin, 1986: 111).

Genus ARCHITIPULA Handlirsch

ARCHITIPULA Handlirsch, 1906a: 490. Type species: *Architipula seebachiana* Handlirsch, 1906, by subsequent designation of Rohdendorf (1962: 313).

PROTIPULA Handlirsch, 1906a: 491. Type species: *Protipula crassa* Handlirsch, 1906, by monotypy.

PARATIPULA Bode, 1953: 305. Type species: *Paratipula acuta* Bode, 1953, by original designation.

EOASILIDEA Bode, 1953: 315. Type species: *Eoasilidea fragmentosa* Bode, 1953, by original designation.

Subgenus ARCHITIPULA Handlirsch

seebachiana Handlirsch, 1906a: 490. PA: Germany (Lower Jurassic) [C].

Subgenus GRIMMENIA Krzemiński & Zessin

GRIMMENIA Krzemiński & Zessin, 1990: 41. Type species: *Architipula prima* Krzemiński & Zessin, 1990, by original designation.

prima Krzemiński & Zessin, 1990: 41. PA: Germany (Lower Jurassic) [C].

secunda Krzemiński & Zessin, 1990: 42. PA: Germany (Lower Jurassic) [C].

Unplaced to Subgenus of ARCHITIPULA Handlirsch

acuta Bode, 1953: 305 (*Paratipula*). PA: Germany (Lower Jurassic) [C].

aequabilis Bode, 1953: 309 (*Paratipula*). PA: Germany (Lower Jurassic) [C].

analiramosa Bode, 1953: 306 (*Paratipula*). PA: Germany (Lower Jurassic) [C].

arculifera Bode, 1905: 244. (*Phryganidium*). PA: Germany (Lower Jurassic) [C].

areolata Handlirsch, 1939: 110. PA: Germany (Lower Jurassic) [C].

asiatica Rohdendorf, 1964: 147 (1974: 156). PA: Kirghizistan (Lower Jurassic) [C].

austeni Jarzembowski, 1991: 100. PA: UK (England) (Lower Cretaceous) [C].

basiminuta Bode, 1953: 308 (*Paratipula*). PA: Germany (Lower Jurassic) [C].

bedeisimilis Bode, 1953: 304. PA: Germany (Lower Jurassic) [C].

bodei Handlirsch, 1939: 112. PA: Germany (Lower Jurassic) [C].

[Name validated by bibliographic reference to Bode (1905: pl. 6, fig. 21.)

brunsvicensis Handlirsch, 1939: 112. PA: Germany (Lower Jurassic) [C].

[Name validated by bibliographic reference to Bode (1905: pl. 6, fig. 22.)

clara Handlirsch, 1939: 111. PA: Germany (Lower Jurassic) [C].

conspicua Handlirsch, 1939: 111. PA: Germany (Lower Jurassic) [C].

crassa Handlirsch, 1906a: 491 (*Protipula*). PA: Germany (Lower Jurassic) [C].

debilis Handlirsch, 1939: 109. PA: Germany (Lower Jurassic) [C].

dubia Handlirsch, 1939: 111. PA: Germany (Lower Jurassic) [C].

elegans Handlirsch, 1906a: 490. PA: Germany (Lower Jurassic) [C].

formosa Bode, 1953: 307 (*Paratipula*). PA: Germany (Lower Jurassic) [C].

fragmentosa Bode, 1953: 316 (*Eoasilidea*). PA: Germany (Lower Jurassic) [C].

geinitzi Handlirsch, 1939: 109. PA: Germany (Lower Jurassic) [C].

minuta Handlirsch, 1939: 108. PA: Germany (Lower Jurassic) [C].

intermedia Handlirsch, 1939: 110. PA: Germany (Lower Jurassic) [C].

lapidaria Handlirsch, 1906a: 492. PA: Germany (Lower Jurassic) [C].

lataelata Bode, 1953: 310 (*Paratipula*). PA: Germany (Lower Jurassic) [C].

latipennis Handlirsch, 1906a: 491. PA: Germany (Lower Jurassic) [C].

longipes Rohdendorf, 1964: 207 (1974: 232). PA: Kazakhstan (Upper Jurassic) [C].

maior Handlirsch, 1939: 110. PA: Germany (Lower Jurassic) [C].

nana Handlirsch, 1939: 108. PA: Germany (Lower Jurassic) [C].

obliqua Handlirsch, 1939: 110. PA: Germany (Lower Jurassic) [C].

orientalis Kalugina in Kalugina & Kovalev, 1985: 60. PA: Russia (Siberia) (Middle Jurassic) [C].

- parva** Handlirsch, 1939: 108. PA: Germany (Lower Jurassic) [C].
- protipuloides** Rohdendorf, 1964: 207 (1974: 231). PA: Kazakhstan (Upper Jurassic) [C].
- ptychopteraeformis** Bode, 1953: 309 (*Paratipula*). PA: Germany (Lower Jurassic) [C].
- pulla** Handlirsch, 1939: 109. PA: Germany (Lower Jurassic) [C].
- pusilla** Handlirsch, 1939: 107. PA: Germany (Lower Jurassic) [C].
- radiata** Rohdendorf, 1964: 147 (1974: 155). PA: Kirghizistan (Lower Jurassic) [C].
radiata Rohdendorf, 1962: 312 (1991: 453). *Nomen nudum*.
- robusta** Bode, 1953: 308 (*Paratipula*). PA: Germany (Lower Jurassic) [C].
- seebachi** Geinitz, 1884: 576 (*Phryganidium*). PA: Germany (Lower Jurassic) [C].
- simplex** Handlirsch, 1939: 109. PA: Germany (Lower Jurassic) [C].
- stigmatica** Handlirsch, 1906a: 491. PA: Germany (Lower Jurassic) [C].
- symmetrica** Kalugina in Kalugina & Kovalev, 1985: 61. PA: Russia (Siberia) (Middle Jurassic) [C].
- turanica** Rohdendorf, 1964: 147 (1974: 155). PA: Kirghizistan (Lower Jurassic) [C].
- veris** Bode, 1953: 307 (*Paratipula*). PA: Germany (Lower Jurassic) [C].
- youngi** Krzemiński, 1992c: 43. NE: USA (Upper Triassic) [C].

Genus ATARBA Osten Sacken

- ***ATARBA** Osten Sacken, 1869: 127. Type species: *Atarba picticornis* Osten Sacken, 1869, by monotypy.
- vectensis** Cockerell, 1915c: 492. PA: UK (England) (Eocene/Oligocene) [C].

Genus AUSTROLIMNOPHILA Alexander

- AUSTROLIMNOPHILA** Alexander, 1920c: 4 (as *Limnophila* subgenus). Type species: *Limnophila eutaeniata* Bigot, 1888, by original designation.
- Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).

Genus CALOBAMON Loew

- CALOBAMON** Loew, 1850b: 36, 38. Type species: *Calobamon longipes* Keilbach, 1982, by subsequent monotypy in Keilbach (1982: 326).
- longipes** Keilbach, 1982: 326. PA: Baltic Region (Eocene/Oligocene) [A].

[Species name valid by bibliographic reference to characters in Loew (1850*b*: 36 for the genus *Calobamon*).]

Genus CHEILOTRICHIA Rossi

*CHEILOTRICHIA Rossi, 1848: 12. Type species: *Erioptera imbuta* Meigen, 1818, by monotypy.

Subgenus EMPEDA Osten Sacken

*EMPEDA Osten Sacken, 1869: 183 (as genus). Type species: *Empeda stigmatica* Osten Sacken, 1869, by subsequent designation of Coquillett (1910: 537).

axillaris Alexander, 1931: 110 (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

diacantha Alexander, 1931: 109 (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A].

minuta Meunier, 1899*e*: 173 (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

prolifera Meunier, 1906*f*: 375 (*Empeda*). PA: Baltic Region (Eocene/Oligocene) [A].

elongata Meunier, 1906*f*: 376 (*Empeda*). PA: Baltic Region (Eocene/Oligocene) [A].

platyphylla Alexander, 1931: 107 (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A].

rectistyla Alexander, 1931: 111 (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A].

schummeli Meunier, 1917*a*: 98 (*Empeda*). PA: Baltic Region (Eocene/Oligocene) [A].

subabortiva Alexander, 1931: 110. (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A].

Unplaced to Subgenus of CHEILOTRICHIA Rossi

duplicata Alexander, 1931: 108 (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A].

ferruginea Cockerell, 1921*c*: 457 (*Empeda*). PA: UK (England) (Eocene/Oligocene) [C].

hyalina Cockerell, 1921*c*: 457 (*Empeda*). PA: UK (England) (Eocene/Oligocene) [C].

Genus CLADONEURA Scudder

CLADONEURA Scudder, 1894: 212 (50). Type species: *Cladoneura willistoni* Scudder, 1894, by monotypy.

willistoni Scudder, 1894: 213 (51). NE: USA (Oligocene) [C].

Genus CLADURA Osten Sacken

***CLADURA** Osten Sacken, 1860: 229. Type species: *Cladura ferruginea* Osten Sacken, 1860, by monotypy.

integra Scudder, 1894: 216 (54). NE: USA (Oligocene) [C].

maculata Scudder, 1894: 215 (53). NE: USA (Oligocene) [C].

Genus CRETOLIMONIA Kalugina

CRETOLIMONIA Kalugina, 1986: 115. Type species: *Cretolimonia popovi* Kalugina, 1986, by original designation.

popovi Kalugina, 1986: 115. PA: Mongolia (Upper Jurassic/Lower Cretaceous) [C].

Genus CRITONEURA Loew

CRITONEURA Loew, 1850b: 36. Type species: *Limnophila pentagonalis* Meunier, 1906, by subsequent monotypy in Meunier (1906f: 361).

[*Critoneura* originally proposed without validly diagnosed species. The first included species was *pentagonalis* Meunier (1906f: 361 [footnote]) who validated the name by giving characters to differentiate it.]

longipes Loew, 1850b: 38. *Nomen nudum*.

pentagonalis Meunier, 1906f: 361 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A].

pentagonalis Loew, 1850b: 38. *Nomen nudum*.

Genus CYTTAROMYELLA Meunier

CYTTAROMYELLA Meunier, 1915d: 229. Type species: *Cyttaromyella bastini* Meunier, 1915, by monotypy.

bastini Meunier, 1915d: 229. PA: Germany (Oligocene) [C].

Genus DACTYLOLABIS Osten Sacken

***DACTYLOLABIS** Osten Sacken, 1860: 240 (as *Limnophila* subgenus). Type species: *Limnophila montana* Osten Sacken, 1860, by monotypy.

Subgenus IDIOLABIS Alexander

IDIOLABIS Alexander, 1931: 59. Type species: *Dactylolabis terebrella* Alexander, 1931, by original designation.

terebrella Alexander, 1931: 59. PA: Baltic Region (Eocene/Oligocene) [A].

Unplaced to Subgenus of DACTYLOLABIS Osten Sacken

tenuis Stanz, 1944b: 99. PA: Germany (Oligocene) [C].

vetusta Alexander, 1931: 60. PA: Baltic Region (Eocene/Oligocene) [A].

Genus DICRANOMYIA Stephens

***DICRANOMYIA** Stephens, 1829a: 53. Type species: *Limnobia modesta* Meigen, 1818, by subsequent designation of Coquillett (1910: 533).

antennifera Théobald, 1937a: 344. PA: France (Oligocene) [C].

excavata Cockerell & Haines, 1921a: 83 [1921b: 110]. PA: UK (England) (Eocene/Oligocene) [C].

exhumata Cockerell, 1922: 17 (new replacement name for *excavata* Cockerell). PA: UK (England) (Eocene/Oligocene) [C].

excavata Cockerell, 1921c: 458. PA: UK (England) (Eocene/Oligocene) [C]. [Preoccupied by Cockerell & Haines, 1921.]

faecarius Scudder, 1894: 206 (44) (*Rhamphidia*). NE: USA (Oligocene) [C].

fontainei Scudder, 1894: 200 (38). NE: USA (Oligocene) [C].

fragilis Scudder, 1894: 199 (37). NE: USA (Oligocene) [C].

graciosa Meunier, 1916b: 489. PA: Baltic Region (Eocene/Oligocene) [A].

inferna Scudder, 1894: 198 (36). NE: USA (Oligocene) [C].

lobata Meunier, 1906f: 363. PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

loewi Scudder, 1894: 207 (45) (*Rhamphidia*). NE: USA (Oligocene) [C].

longipes Scudder, 1894: 197 (35). NE: USA (Oligocene) [C].

perpendicularis Savtschenko, 1967: 469 (*Limonia*). PA: Baltic Region (Eocene/Oligocene) [A].

primitiva Scudder, 1877a: 748. NE: USA (Eocene) [C].

rhodolitha Cockerell, 1908b: 228. NE: USA (Eocene) [C].

rohweri Brown, 1985: 99 (*Limonia*). NE: USA (Oligocene) [C].

rostrata Scudder, 1877a: 749. NE: USA (Eocene) [C].

decrepita Scudder, 1877a: 752 (*Tipula*). NE: USA (Eocene) [C].

saxetana Scudder, 1894: 206 (44) (*Rhamphidia*). NE: USA (Oligocene) [C].

sergio Krzemiński & Gentilini, 1992: 93. PA: Italy (Miocene) [C].

- sinuata** Meunier, 1916*b*: 490. PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].
- stagnorum** Scudder, 1894: 197 (35). NE: USA (Oligocene) [C].
- stigmosa** Scudder, 1877*a*: 746. NE: USA (Eocene) [C].
tecta Scudder, 1877*a*: 752 (*Tipula*). NE: USA (Eocene) [C].
- thybotica** Henriksen, 1922: 21 (*Rhamphidia*). PA: Denmark (Eocene) [C].
- undulata** Cockerell & Haines, 1921*a*: 83 [1921*b*: 110]. PA: UK (England) (Eocene/Oligocene) [C].
- Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992*a*: 107).

Genus DICRANOPTYCHA Osten Sacken

- ***DICRANOPTYCHA** Osten Sacken, 1860: 217. Type species: *Dicranoptycha germana* Osten Sacken, 1860, by subsequent designation of Coquillett (1910: 533).
- STIBADOCERITES** Zeuner, 1941: 96. Type species: *Stibadocerites europaeus* Zeuner, 1941, by monotypy.
- anna** Krzemiński & Gentilini, 1992: 91. PA: Italy (Miocene) [C].
- electrina** Alexander, 1931: 40. PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].
- europaea** Zeuner, 1941: 96 (*Stibadocerites*). PA: UK (Scotland) (Upper Cretaceous) [C].
- lignifica** Statz, 1934: 99. PA: Germany (Oligocene) [C].
- rottensis** Statz, 1944*b*: 95. PA: Germany (Oligocene) [C].

Genus DICRANOTA Zetterstedt

- ***DICRANOTA** Zetterstedt, 1838: 851. Type species: *Dicranota guerini* Zetterstedt, 1838, by monotypy.
- cockerelli** Brown, 1985: 99. NE: USA (Oligocene) [C].

Genus DICTYOTIPULA Rohdendorf

- DICTYOTIPULA** Rohdendorf, 1962: 312 (1991: 452). Type species: *Dictyotipula densa* Rohdendorf, 1962, by original designation.
- densa** Rohdendorf, 1962: 312 (1991: 452). PA: Kirghizistan (Lower Jurassic) [C].

Genus DIPLARCHITIPULA Rohdendorf

- DIPLARCHITIPULA** Rohdendorf, 1962: 313 (1991: 452). Type species: *Diplarchitipula multimedialis* Rohdendorf, 1962, by original designation.
- destructa** Rohdendorf, 1964: 144 (1974: 154). PA: Kirghizistan (Lower Jurassic) [C].
- multimedialis** Rohdendorf, 1962: 313 (1991: 452). PA: Kirghizistan (Lower Jurassic) [C].

Genus DIPTERODICTYA Rohdendorf

- DIPTERODICTYA** Rohdendorf, 1961: 92. Type species: *Dipterodictya tipuloides* Rohdendorf, 1961, by original designation.
- tipuloides** Rohdendorf, 1961: 92. PA: Kirghizistan (Lower Jurassic) [C].

Genus ELEPHANTOMYIA Osten Sacken

- ***ELEPHANTOMYIA** Osten Sacken, 1860: 220. Type species: *Limnobiaorhynchus canadensis* Westwood, 1835 [misidentification, = *Elephantomyia westwoodi* Osten Sacken, 1869], by original designation.
- baltica** Alexander, 1931: 58. PA: Baltic Region (Eocene/Oligocene) [A].
- brevipalpa** Loew, 1851: 400 (*Toxorhina*). PA: Baltic Region (Eocene/Oligocene) [A].
- brevipalpa* Loew, 1850b: 37 (*Toxorhina*). *Nomen nudum*.
- longirostris** Loew, 1851: 400 (*Toxorhina*). PA: Baltic Region (Eocene/Oligocene) [A].
- longirostris* Loew, 1850b: 37 (*Toxorhina*). *Nomen nudum*.
- pulchella** Loew, 1851: 400 (*Toxorhina*). PA: Baltic Region (Eocene/Oligocene) [A].
- pulchella* Loew, 1850b: 37 (*Toxorhina*). *Nomen nudum*.
- Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).

Genus EOTIPULA Handlirsch

- EOTIPULA** Handlirsch, 1906a: 491. Type species: *Eotipula parva* Handlirsch, 1906, by subsequent designation of Carpenter (1992: 402).
- coarctata** Handlirsch, 1939: 113. PA: Germany (Lower Jurassic) [C].
- defuncta** Handlirsch, 1939: 112. PA: Germany (Lower Jurassic) [C].

- lapidaria** Handlirsch, 1906a: 492. PA: Germany (Lower Jurassic) [C].
longa Handlirsch, 1939: 112. PA: Germany (Lower Jurassic) [C].
mortua Handlirsch, 1939: 112. PA: Germany (Lower Jurassic) [C].
parva Handlirsch, 1906a: 491. PA: Germany (Lower Jurassic) [C].

Genus EOTIPULINA Kalugina

- EOTIPULINA** Kalugina *in* Kalugina & Kovalev, 1985: 52. Type species: *Eotipulina sibirica* Kalugina, 1985, by original designation.
complanata Kalugina *in* Kalugina & Kovalev, 1985: 54. PA: Russia (Siberia) (Middle/Upper Jurassic) [C].
fumosa Kalugina *in* Kalugina & Kovalev, 1985: 54. PA: Russia (Siberia) (Middle/Upper Jurassic) [C].
sibirica Kalugina *in* Kalugina & Kovalev, 1985: 52. PA: Russia (Siberia) (Middle/Upper Jurassic) [C].
 ?Unidentified sp.—PA: Mongolia (Upper Jurassic/Lower Cretaceous) [C] (Kalugina, 1986: 116).

Genus EOTIPULOPTERA Kalugina

- EOTIPULOPTERA** Kalugina *in* Kalugina & Kovalev, 1985: 55. Type species: *Eotipuloptera savtshenkoi* Kalugina, 1985, by original designation.
savtshenkoi Kalugina *in* Kalugina & Kovalev, 1985: 55. PA: Russia (Siberia) (Middle/Upper Jurassic) [C].

Genus EPIPHRAGMA Osten Sacken

- ***EPIPHRAGMA** Osten Sacken, 1860: 238 (as *Limnophila* subgenus). Type species: *Limnophila pavonina* Osten Sacken, 1869 [= *Limnobia fasciapennis* Say, 1823], by subsequent designation of Coquillett (1910: 539).
spilopterum Cockerell, 1921c: 458. PA: UK (England) (Eocene/Oligocene) [C].

Genus ERIOPTERA Meigen

- ***ERIOPTERA** Meigen, 1803: 262. Type species: *Erioptera lutea* Meigen, 1804, by subsequent designation of Coquillett (1910: 540).
 [In the interests of stability and in accordance to usage, prior designations of type species by Blanchard *in* Audouin *et al.* (1848: pl. 163) and Rondani (1856) that would render *Erioptera* a senior synonym of

Molophilus Curtis are set aside here. Suspension of I.C.Z.N. rules is required to validate the subsequent type-designation by Coquillett (1910).]

- abbreviata* Keilbach, 1982: 325. *Nomen nudum*.
anomala Keilbach, 1982: 325. *Nomen nudum*.
arcuata Alexander, 1931: 105. PA: Baltic Region (Eocene/Oligocene) [A].
berendtii Keilbach, 1982: 325. *Nomen nudum*.
danae Heyden, 1870: 252. PA: Germany (Oligocene) [C].
fasciipennis Statz, 1944b: 97. PA: Germany (Oligocene) [C].
gracilis Meunier, 1899e: 173. PA: Baltic Region (Eocene/Oligocene) [A].
hybrida Keilbach, 1982: 325. *Nomen nudum*.
oligocaenica Meunier, 1922a: 509 [1923c: 610]. PA: Germany (Oligocene) [C].
pagasti Statz, 1944b: 97. PA: Germany (Oligocene) [C].
perspicillata Meunier, 1922a: 509 [1923c: 610]. PA: Germany (Oligocene) [C].
socia Keilbach, 1982: 325. *Nomen nudum*.

Genus GERANOMYIA Haliday

- ***GERANOMYIA** Haliday, 1833: 154. Type species: *Geranomyia unicolor* Haliday, 1833, by monotypy.
messiniana Gentilini, 1986: 181. PA: Italy (Miocene) [C].
 Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).
 Unidentified sp.—PA: France (Oligocene) [C] (Scudder, 1894: 170).

Genus GNOPHOMYIA Osten Sacken

- ***GNOPHOMYIA** Osten Sacken, 1860: 223. Type species: *Gnophomyia tristissima* Osten Sacken, 1860, by subsequent designation of Coquillett (1910: 547).
debilis Heer, 1849: 201 (*Limnobia*). PA: Croatia (Miocene) [C].
gentilini Krzemiński & Krzemińska, 1990: 496. PA: Italy (Eocene) [C].
inferna Alexander, 1931: 122. PA: Baltic Region (Eocene/Oligocene) [A].
magna Meunier, 1906f: 371. PA: Baltic Region (Eocene/Oligocene) [A].
minuta Meunier, 1906f: 369 (*Tricyphona*). PA: Baltic Region (Eocene/Oligocene) [A].
parvicellula Alexander, 1931: 122. PA: Baltic Region (Eocene/Oligocene) [A].
procera Meunier, 1906f: 370. PA: Baltic Region (Eocene/Oligocene) [A].
 Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).

Genus GONOMYIA Meigen

***GONOMYIA** Meigen, 1818: 147. Type species: *Limnobia tenella* Meigen, 1818, by monotypy.

[Originally proposed in synonymy; available by established use prior to 1961.]

***GONIOMYIA** Osten Sacken, 1869: 176 (unjustified emendation of *Gonomyia* Meigen). Type species: *Limnobia tenella* Meigen, 1818, automatic.

Subgenus ELECTROGONOMYIA Alexander

ELECTROGONOMYIA Alexander, 1931: 118. Type species: *Gonomyia pinetorum* Alexander, 1931, by original designation.

pinetorum Alexander, 1931: 118. PA: Baltic Region (Eocene/Oligocene) [A].

Subgenus GONOMYIA Meigen

oligocenica Alexander, 1931: 119. PA: Baltic Region (Eocene/Oligocene) [A].

Unplaced to Subgenus of GONOMYIA Meigen

andrea Krzemiński & Gentilini, 1992: 92. PA: Italy (Miocene) [C].

munda Statz, 1944b: 96. PA: Germany (Oligocene) [C].

sturi Heyden, 1870: 253 (*Limnobia*). PA: Germany (Oligocene) [C].

Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).

Unidentified sp.—PA: Italy (Eocene) [C] (Krzemiński & Krzemińska, 1990: 496).

Genus GYMNASTES Brunetti

***GYMNASTES** Brunetti, 1911: 281. Type species: *Gymnastes violaceus* Brunetti, 1911, by monotypy.

fasciatipennis Cockerell, 1921c: 456. PA: UK (England) (Eocene/Oligocene) [C].

Genus GYNOPLISTIA Macquart

***GYNOPLISTIA** Macquart, 1835: 649. Type species: *Gynoplistia annulata* Macquart, 1835, by subsequent designation of Theischinger (1993: 5).

***GYNOPLISTIA** Westwood, 1835: 280. Type species: *Gynoplistia nervosa* Westwood, 1835, by subsequent designation of Brunetti (1918: 332). [Preoccupied by Macquart, 1835.]

[Macquart apparently recorded taxa from a manuscript or proof sheet of Westwood in the supplement of his 1835 work and gave characters to validate them, while crediting Westwood for nothing more than the

names. Macquart's work predates Westwood's and the new names must take the date and authorship from Macquart (1835: 649). See Evenhuis (1990c: 3) for further details. Theischinger's (1993) type species designation is from the 2 included species in *Gynoplistia* Macquart.]

mitchelli Jarzembowski, 1991: 102. PA: UK (England) (Lower Cretaceous) [C].

Genus HAPLOTIPULA Bode

HAPLOTIPULA Bode, 1953: 311. Type species: *Haplotipula majalis* Bode, 1953, by original designation.

cubitoramosa Bode, 1953: 312. PA: Germany (Lower Jurassic) [C].

majalis Bode, 1953: 311. PA: Germany (Lower Jurassic) [C].

Genus HELIUS Lepeletier & Serville

***MEGARHINA** Lepeletier & Serville in Latreille *et al.*, 1828: 585. Type species: *Limnobia longirostris* Meigen, 1818, by monotypy.

***HELIUS** Lepeletier & Serville, 1828: 831 (alternate original name for *Megarhina* Lepeletier & Serville). Type species: *Limnobia longirostris* Meigen, 1818, by monotypy.

[The formation of the name *Helius* is considered here to be Latin and not vernacular as by Stone *et al.* in Alexander (1965: 50-51).]

***RHAMPHIDIA** Meigen, 1830: 281. Type species: *Limnobia longirostris* Meigen, 1818, by subsequent designation of Westwood (1840: 129).

botswanensis Rayner & Waters, 1990: 310. AF: Botswana (Upper Cretaceous) [C].

constenius Krzemiński, 1991a: 312. NE: USA (Eocene/Oligocene) [C].

formosus Krzemiński, 1993a: 600. PA: Baltic Region (Eocene/Oligocene) [A].

minutus Loew, 1850b: 37. PA: Baltic Region (Eocene/Oligocene) [A].

succinea Meunier, 1906f: 367 (*Antocha*). PA: Baltic Region (Eocene/Oligocene) [A].

abditus Krzemiński, 1985: 116. PA: Baltic Region (Eocene/Oligocene) [A].

pulcher Loew, 1850b: 37 (*Rhamphidia*). PA: Baltic Region (Eocene/Oligocene) [A].

tenerus Statz, 1944b: 95. PA: Germany (Oligocene) [C].

weigandi Statz, 1934: 97 (*Elephantomyia*). PA: Germany (Oligocene) [C].

Genus HEXATOMA Latreille

***HEXATOMA** Latreille, 1809: 260. Type species: *Hexatoma nigra* Latreille, 1809, by monotypy.

dimidiata Henriksen, 1922: 20 (*Eriocera*). PA: Denmark (Eocene) [C].

- minuta** Alexander, 1931: 84. PA: Baltic Region (Eocene/Oligocene) [A].
- palpata** Meunier, 1906f: 387 (*Eriocera*). PA: Baltic Region (Eocene/Oligocene) [A].
- plastica** Alexander, 1931: 86 (*Eriocera*). PA: Baltic Region (Eocene/Oligocene) [A].
- succini** Osten Sacken, 1869: 252 (*Anisomera*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination.**
succini Loew, 1850b: 37 (*Anisomera*). *Nomen nudum.*

Genus **HOTTIPULA** Evenhuis, new name

- SINOTIPULA** Hong, 1983: 106. Type species: *Sinotipula huabeiensis* Hong, 1983, by original designation. [Preoccupied by Alexander, 1935.] **New synonymy.**
- HOTTIPULA** Evenhuis, 1933: in this work (**new replacement name** for *Sinotipula* Hong). Type species: *Sinotipula huabeiensis* Hong, 1983, automatic.
- huabeiensis** Hong, 1983: 101 (*Sinotipula*). PA: China (Middle Jurassic) [C]. **New combination.**

Genus **IDIOGNOPHOMYIA** Alexander

- ***IDIOGNOPHOMYIA** Alexander, 1956: 403 (as *Gnophomyia* Osten Sacken subgenus). Type species: *Gnophomyia capicola* Alexander, 1956, by original designation.
- seiverti** Brown, 1985: 99 (*Gnophomyia*). NE: USA (Oligocene) [C]. **New combination.**

Genus **LEPTOTIPULOIDES** Carpenter

- LEPTOTIPULA** Bode, 1953: 312. Type species: *Leptotipula fastigata* Bode, 1953, by original designation. [Preoccupied by Alexander, 1917.]
- LEPTOTIPULOIDES** Carpenter, 1986: 576 (new replacement name for *Leptotipula* Bode). Type species: *Leptotipula fastigata* Bode, 1953, automatic.
- fastigata** Bode, 1953: 312 (*Leptotipula*). PA: Germany (Lower Jurassic) [C].

Genus LIASSOTIPULA Tillyard

LIASSOTIPULA Tillyard, 1933: 74. Type species: *Liassotipula anglicana* Tillyard, 1933, by original designation.

anglicana Tillyard, 1933: 75. PA: UK (England) (Lower Jurassic) [C].

Genus LIMNOCEMA Scudder

LIMNOCEMA Scudder, 1894: 201 (39). Type species: *Limnocema marcescens* Scudder, 1894, by subsequent designation of Cockerell (1909d: 84).

lutescens Scudder, 1894: 203 (41). NE: USA (Oligocene) [C].

marcescens Scudder, 1894: 202 (40). NE: USA (Oligocene) [C].

mortoni Scudder, 1894: 204 (42). NE: USA (Oligocene) [C].

sternbergi Cockerell, 1927a: 162. NE: USA (Oligocene) [C].

styx Scudder, 1894: 203 (41). NE: USA (Oligocene) [C].

Genus LIMNOPHILA Macquart

***LIMNOPHILA** Macquart, 1834: 95. Type species: *Limnobia pictipennis* Meigen, 1818, by subsequent designation of Westwood (1840: 128).

HETEROPOECILOSTOLA Meunier, 1899f: 358. Type species; *Limnophila brevipetiolata* Meunier, 1906, by **present designation**.

[*Heteropoecilostola* originally proposed without included named species. Type designated herein is the first inclusion of a named species within the genus in accordance with the *Code*.]

HETEROLIMNOPHILA Meunier, 1906f: 376 (as *Limnophila* subgenus; unjustified emendation of *Heteropoecilostola* Meunier). Type species: *Limnophila brevipetiolata* Meunier, 1906, automatic (by designation of the type species for *Heteropoecilostola* in this work).

aliena Cockerell, 1921c: 461. PA: UK (England) (Eocene/Oligocene) [C].

brevipetiolata Meunier, 1906f: 378. PA: Baltic Region (Eocene/Oligocene) [A].

cyclospila Cockerell & Haines, 1921a: 83 [1921b: 109]. PA: UK (England) (Eocene/Oligocene) [C].

deleta Cockerell, 1921c: 459. PA: UK (England) (Eocene/Oligocene) [C].

elegans Théobald, 1937a: 287. PA: France (Oligocene) [C].

furcata Giebel, 1856: 245 (*Limnobia*). PA: Baltic Region (Eocene/Oligocene) [A].

incognita Cockerell, 1921c: 462. PA: UK (England) (Eocene/Oligocene) [C].

marklae Wighton, 1980: 623. NE: Canada (Paleocene) [C].

pterotrichia Statz, 1934: 103. PA: Germany (Oligocene) [C].

rhenana Meunier, 1923c: 610. PA: Germany (Oligocene) [C].

- rogersii** Scudder, 1894: 218 (56). NE: USA (Oligocene) [C].
ruinarum Scudder, 1894: 220 (58). NE: USA (Oligocene) [C].
samländica Alexander, 1931: 73. PA: Baltic Region (Eocene/Oligocene) [A].
skwarrae Alexander, 1931: 74. PA: Baltic Region (Eocene/Oligocene) [A].
statzi Evenhuis, 1994: in this work (**new replacement name** for *robusta* Statz).
 PA: Germany (Oligocene) [C].
robusta Statz, 1934: 102. PA: Germany (Oligocene) [C]. [Preoccupied by
 Wahlgren, 1905.]
strigosa Scudder, 1894: 219 (57). NE: USA (Oligocene) [C].
umbonata Statz, 1944b: 99. PA: Germany (Oligocene) [C].
vasta Scudder, 1894: 219 (57). NE: USA (Oligocene) [C].
veterana Statz, 1934: 102. PA: Germany (Oligocene) [C].

Genus LIMONIA Meigen

- ***LIMONIA** Meigen, 1803: 262. Type species: *Tipula tripunctata* Fabricius, 1781, automatic [by designation of Westwood (1840: 129) for *Limnobia*].
 ***AGELIA** Rafinesque, 1815: 130 (unnecessary new replacement name for *Limonia* Meigen). Type species: *Tipula tripunctata* Fabricius, 1781, automatic.
 ***LIMNOBIA** Meigen, 1818: 116 (unnecessary new replacement name for *Limonia* Meigen). Type species: *Tipula tripunctata* Fabricius, 1781, by subsequent designation of Westwood (1840: 129).
ATARACTA Loew, 1850b: 36. Type species: *Ataracta grandis* Meunier, 1899, by subsequent monotypy in Meunier (1899e: 172).
CORETHRIUM Westwood, 1854: 387. Type species: *Corethrium pertinax* Westwood, 1854, by monotypy.
albertensis Krzemiński & Teskey, 1987: 891. NE: Canada (Upper Cretaceous) [A].
antiqua Statz, 1934: 98 (*Limnobia*). PA: Germany (Oligocene) [C]. **New combination.**
cingulata Heer, 1849: 199 (*Limnobia*). PA: Croatia (Miocene) [C]. **New combination.**
congruens Keilbach, 1982: 319. *Nomen nudum.*
deferi Théobald, 1937a: 236 (*Limnobia*). PA: France (Oligocene) [C]. **New combination.**
deleta Giebel, 1856: 246 (*Limnobia*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination.**
flagellata Alexander, 1931: 38. PA: Baltic Region (Eocene/Oligocene) [A].
formosa Heer, 1849: 198 (*Limnobia*). PA: Switzerland (Miocene) [C]. **New combination.**
gracilipes Keilbach, 1982: 318. *Nomen nudum.*
gracilis Keilbach, 1982: 318. *Nomen nudum.*

- grandis** Meunier, 1899e: 172 (*Ataracta*). PA: Baltic Region (Eocene/Oligocene) [A].
- horioni** Statz, 1934: 98 (*Limnobia*). PA: Germany (Oligocene) [C]. **New combination.**
- latipennis* Keilbach, 1982: 319. *Nomen nudum.*
- luca** Krzemiński & Gentilini, 1992: 94. PA: Italy (Miocene) [C].
- meunieri** Alexander, 1931: 36. PA: Baltic Region (Eocene/Oligocene) [A].
- murchisoni** Heer, 1856: 30 (*Limnobia*). PA: France (Oligocene) [C]. **New combination.**
- curtisi* Giebel, 1856: 245 (*Limnobia*). PA: France (Oligocene) [C].
- pertinax** Westwood, 1854: 387 (*Corethrium*). PA: UK (England) (Lower Cretaceous) [C].
- remota* Keilbach, 1982: 319. *Nomen nudum.*
- rostrata* Keilbach, 1982: 319. *Nomen nudum.*
- sphenoptera* Keilbach, 1982: 319. *Nomen nudum.*
- spilota** Cockerell, 1921c: 459 (*Limnobia*). PA: UK (England) (Eocene/Oligocene) [C]. **New combination.**
- tenuis** Heer, 1849: 200 (*Limnobia*). PA: Croatia (Miocene) [C]. **New combination.**
- theobaldi** Piton, 1940: 214 (*Limnobia*). PA: France (Oligocene) [C]. **New combination.**
- vetusta** Heer, 1849: 200 (*Limnobia*). PA: Croatia (Miocene) [C]. **New combination.**
- Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).

Genus LIPSOTHRIX Loew

- ***LIPSOTHRIX** Loew, 1873a: 67. Type species: *Lipsothrix nobilis* Loew, 1873, by monotypy.
- ELECTROLABIS** Alexander, 1931: 58. Type species: *Electrolabis extincta* Alexander, 1931, by original designation.
- extincta** Alexander, 1931: 58 (*Electrolabis*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus MACALPINA Krzemiński & Teskey

- MACALPINA** Krzemiński & Teskey, 1987: 890. Type species: *Macalpina incomparabilis* Krzemiński & Teskey, 1987, by original designation.
- incomparabilis** Krzemiński & Teskey, 1987: 890. NE: Canada (Upper Cretaceous) [A].

Genus MESOTIPULA Handlirsch

MESOTIPULA Handlirsch, 1920: 205 [1939: 107]. Type species: *Mesotipula brachyptera* Handlirsch, 1920, by monotypy.

brachyptera Handlirsch, 1920: 205 [1939: 107]. PA: Germany (Lower Jurassic) [C].

curvata Handlirsch, 1939: 107. PA: Germany (Lower Jurassic) [C].

mirabilis Krzemiński & Zessin, 1990: 40. PA: Germany (Lower Jurassic) [C].

siggae Krzemiński & Zessin, 1990: 40. PA: Germany (Lower Jurassic) [C].

vicina Handlirsch, 1939: 109 (*Architipula*). PA: Germany (Lower Jurassic) [C].

Genus MIKROTIPULA Bode

MIKROTIPULA Bode, 1953: 314. Type species: *Mikrotipula dixaeformis* Bode, 1953, by original designation.

dixaeformis Bode, 1953: 314. PA: Germany (Lower Jurassic) [C].

Genus MOLOPHILUS Curtis

***MOLOPHILUS** Curtis, 1833: pl. 444. Type species: *Molophilus brevipennis* Curtis, 1833 [= *Erioptera atra* Meigen, 1804], by original designation.

Subgenus MIOMOLOPHILUS Krzemiński

MIOMOLOPHILUS Krzemiński, 1992b: 108. Type species: *Molophilus theischingeri* Krzemiński, 1992, by original designation.

theischingeri Krzemiński, 1992b: 108. NT: Dominican Republic (Oligocene/Miocene) [A].

Genus NEMUMEIA Kalugina

NEMUMEIA Kalugina, 1986: 115. Type species: *Nemumeia ponomarenkoi* Kalugina, 1986, by original designation.

ponomarenkoi Kalugina, 1986: 116. PA: Mongolia (Upper Jurassic/Lower Cretaceous) [C].

Genus ORMOSIA Rondani

***ORMOSIA** Rondani, 1856: 180. Type species: *Erioptera nodulosa* Macquart, 1826, by original designation.

GONOMYIELLA Meunier, 1899d: 335. Type species: *Ormosia electrella* Alexander, 1931, by **present designation**.

[*Gonomyiella* originally proposed without included species. The type designated is from the first included species within the genus in accordance with the *Code*.]

GONOMYELLA. Incorrect original spelling of *Gonomyiella* (Meunier, 1899d: 334).

beurleni Alexander, 1931: 102. PA: Baltic Region (Eocene/Oligocene) [A].

electrella Alexander, 1931: 101. PA: Baltic Region (Eocene/Oligocene) [A].

skwarrae Alexander, 1931: 100. PA: Baltic Region (Eocene/Oligocene) [A].

tornquisti Alexander, 1931: 102. PA: Baltic Region (Eocene/Oligocene) [A].

Genus ORYCTOGMA Scudder

ORYCTOGMA Scudder, 1894: 194 (32). Type species: *Oryctogma sackenii* Scudder, 1894, by monotypy.

sackenii Scudder, 1894: 195 (33). NE: USA (Oligocene) [C].

Genus OZOTIPULA Bode

OZOTIPULA Bode, 1953: 313. Type species: *Ozotipula tarda* Bode, 1953, by original designation.

tarda Bode, 1953: 313. PA: Germany (Lower Jurassic) [C].

Genus PALAEOMACROMASTIX Meunier

PALAEOMACROMASTIX Meunier, 1917a: 100. Type species: *Palaeomacromastix bornhardti* Meunier, 1917, by monotypy.

bornhardti Meunier, 1917a: 100. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PALAEOPOECILOSTOLA Meunier

PALAEOPOECILOSTOLA Meunier, 1899d: 334. Type species: *Lasiomastix longicornis* Meunier, 1906, by subsequent monotypy in Handlirsch (1907c: 995).

fastuosa Meunier, 1906f: 381 (*Limmophila*). PA: Baltic Region (Eocene/Oligocene) [A].

- longicornis** Meunier, 1906f: 377 (*Lasiomastix*). PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].
- ssp. **longicornis** s. str. PA: Baltic Region (Eocene/Oligocene) [A].
- longicornis* Loew, 1850: 37 (*Limnophila*). *Nomen nudum*.
- robusta* Meunier, 1906f: 383 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A]. [Preoccupied by Wahlgren, 1905.]
- palaea* Bergroth, 1913: 583 (*Tipula*; new replacement name for *robusta* Meunier). PA: Baltic Region (Eocene/Oligocene) [A].
- ssp. **parallela** Alexander, 1931: 48. PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].
- speciosa** Meunier, 1906f: 384 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus PHYLIDOREA Bigot

- ***PHYLIDOREA** Bigot, 1854: 456. Type species: *Limnobia ferruginea* Meigen, 1818, by subsequent designation of Coquillett (1910: 590).
- pulchripennis** Meunier, 1906f: 380 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination.**
- servilis** Alexander, 1931: 72 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination.**

Genus PHYLLOLABIS Osten Sacken

- ***PHYLLOLABIS** Osten Sacken, 1877: 202. Type species *Phyllobasis claviger* Osten Sacken, 1877, by subsequent designation of Coquillett (1910: 590).
- andreei** Alexander, 1931: 52. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PILARIA Sintenis

- ***PILARIA** Sintenis, 1889: 398. Type species: *Limnobia pilicornis* Zetterstedt, 1851 (as "*Limnophila*") [= *Limnobia meridiana* Staeger, 1840], by subsequent designation of Coquillett (1910: 591).
[The wording in Sharp (1890: 281) is here interpreted as not constituting a valid type designation.]
- baltica** Alexander, 1931: 82. PA: Baltic Region (Eocene/Oligocene) [A].
- batheri** Alexander, 1931: 81. PA: Baltic Region (Eocene/Oligocene) [A].
- castellariana** Krzemiński & Gentilini, 1992: 88. PA: Italy (Miocene) [C].
- electrina** Cockerell & Clark, 1918: 115 (*Limnophila*). PA: UK (England) (Eocene/Oligocene) [C].

elongata Meunier, 1906f: 381 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus POLYMERA Wiedemann

***POLYMERA** Wiedemann, 1820b: 40. Type species: *Chironomus hirticornis* Fabricius, 1805, by monotypy.

magnifica Meunier, 1906f: 385. PA: Baltic Region (Eocene/Oligocene) [A].

Genus PRAEARCHITIPULA Kalugina

PRAEARCHITIPULA Kalugina *in* Kalugina & Kovalev, 1985: 56. Type species: *Praearchitipula notabilis* Kalugina, 1985, by original designation.

lata Kalugina *in* Kalugina & Kovalev, 1985: 59. PA: Russia (Siberia) (Middle Jurassic) [C].

notabilis Kalugina *in* Kalugina & Kovalev, 1985: 57. PA: Russia (Siberia) (Middle Jurassic) [C].

parvula Kalugina *in* Kalugina & Kovalev, 1985: 57. PA: Russia (Siberia) (Middle Jurassic) [C].

spasskia Kalugina *in* Kalugina & Kovalev, 1985: 59. PA: Russia (Siberia) (Middle Jurassic) [C].

trinervis Kalugina *in* Kalugina & Kovalev, 1985: 57. PA: Russia (Siberia) (Middle Jurassic) [C].

Genus PRONOPHLEBIA Scudder

PRONOPHLEBIA Scudder, 1877a: 750. Type species: *Pronophlebia rediviva* Scudder, 1877, by monotypy.

rediviva Scudder, 1877a: 750. NE: USA (Eocene) [C].

Genus PROTOLIMNOPHILA Riek

PROTOLIMNOPHILA Riek, 1954: 58. Type species: *Protolimnophila superba* Riek, 1954, by original designation.

superba Riek, 1954: 58. AU: Australia (Eocene) [C].

Genus PSEUDOLIMNOPHILA Alexander

***PSEUDOLIMNOPHILA** Alexander, 1919: 917 (as *Limnophila* subgenus).

Type species: *Limnophila luteipennis* Osten Sacken, 1860, by subsequent designation of Alexander (1920a: 849).

Subgenus BALTILIMNOPHILA Krzemiński

BALTILIMNOPHILA Krzemiński, 1990a: 53. Type species: *Limnophila elegantissima* Meunier, 1906, by original designation.

elegantissima Meunier, 1906b: 104 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A].

pulcherrima Krzemiński, 1990a: 55. PA: Baltic Region (Eocene/Oligocene) [A].

Unplaced to Subgenus of PSEUDOLIMNOPHILA Alexander

ambigua Alexander, 1931: 70. PA: Baltic Region (Eocene/Oligocene) [A].

concinna Meunier, 1906f: 380 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A].

continuata Meunier, 1906f: 379 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A].

exigua Meunier, 1906f: 377 (*Prionolabis*). PA: Baltic Region (Eocene/Oligocene) [A].

inculcata Alexander, 1931: 68. PA: Baltic Region (Eocene/Oligocene) [A].

loewiella Alexander, 1931: 63 (new replacement name for *maculata* Meunier). PA: Baltic Region (Eocene/Oligocene) [A].

maculata Meunier, 1916b: 491 (*Limnophila*; as *concinna* subspecies).

PA: Baltic Region (Eocene/Oligocene) [A]. [Secondary junior homonym of *Limonia maculata* Meigen, 1804; *loewiella* valid under I.C.Z.N. Code Article 59(b).]

pinicola Alexander, 1931: 67. PA: Baltic Region (Eocene/Oligocene) [A].

producta Meunier, 1906f: 376 (*Prionolabis*). PA: Baltic Region (Eocene/Oligocene) [A].

siciliana Krzemiński & Skalski, 1983: 303. PA: Sicily (Miocene) [A].

speirsae Wighton, 1980: 622. NE: Canada (Paleocene) [C].

timida Alexander, 1931: 65. PA: Baltic Region (Eocene/Oligocene) [A].

vulcana Meunier, 1906f: 381 (*Limnophila*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus RHABDOMASTIX Skuse

***RHABDOMASTIX** Skuse, 1890a: 828. Type species: *Rhabdomastix ostensaceni* Skuse, 1890, by monotypy.

Subgenus PALAEOGONOMYIA Meunier

PALAEOGONOMYIA Meunier, 1899f: 359. Type species: *Gonomyia pulcherrima* Meunier, 1906, by subsequent designation of Alexander (1931: 112).

borussica Meunier, 1906f: 374 (*Gonomyia*). PA: Baltic Region (Eocene/Oligocene) [A].

brevis Alexander, 1931: 117. PA: Baltic Region (Eocene/Oligocene) [A].

elegantula Meunier, 1906f: 372 (*Gonomyia*). PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

klebsi Alexander, 1931: 113. PA: Baltic Region (Eocene/Oligocene) [A].

pulchella Meunier, 1906f: 373 (*Gonomyia*). PA: Baltic Region (Eocene/Oligocene) [A].

pulcherrima Meunier, 1906f: 372 (*Gonomyia*). PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

ssp. **graciosa** Meunier, 1906f: 373 (*Gonomyia*; as species). PA: Baltic Region (Eocene/Oligocene) [A].

ssp. **pulcherrima** s. str. PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

pulchra Meunier, 1906f: 374 (*Gonomyia*). PA: Baltic Region (Eocene/Oligocene) [A].

Subgenus SACANDAGA Alexander

***SACANDAGA** Alexander, 1911: 349 (as genus). Type species: *Sacandaga flava* Alexander, 1911, by original designation.

praecursor Cockerell, 1927a: 161. NE: USA (Oligocene) [C].

Unidentified sp.—PA: Germany (Miocene) [A] (Schumann & Wendt, 1989: 41).

Unplaced to Subgenus of RHABDOMASTIX Skuse

frigida Scudder, 1894: 212 (50) (*Gonomyia*). NE: USA (Oligocene) [C].

labefactata Scudder, 1894: 210 (48) (*Gonomyia*). NE: USA (Oligocene) [C].

oligocaenica Statz, 1944b: 98. PA: Germany (Oligocene) [C].

primogenitalis Scudder, 1894: 211 (49) (*Gonomyia*). NE: USA (Oligocene) [C].

profundi Scudder, 1894: 210 (48) (*Gonomyia*). NE: USA (Oligocene) [C].

scudderi Cockerell, 1920a: 247 (*Gonomyia*). NE: USA (Eocene) [C].

Genus RHADINOBROCHUS Scudder

RHADINOBROCHUS Scudder, 1894: 223 (61). Type species: *Rhadinobrochus extinctus* Scudder, 1894, by monotypy.

extinctus Scudder, 1894: 223 (61). NE: USA (Oligocene) [C].

Genus RHIPIDIA Meigen

- ***RHIPIDIA** Meigen, 1818: 153. Type species: *Rhipidia maculata* Meigen, 1818, by monotypy.
- brodiei** Cockerell, 1917b: 373. PA: UK (England) (Eocene/Oligocene) [C].
- extincta** Unger, 1841: 425. PA: Croatia (Miocene) [C].
- picta** Heer, 1849: 197. PA: Croatia (Miocene) [C].
- propinqua** Heer, 1849: 198. PA: Croatia (Miocene) [C].
- Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).

Genus SPILADOMYIA Scudder

- SPILADOMYIA** Scudder, 1877a: 750. Type species: *Spiladomyia simplex* Scudder, 1877, by monotypy.
- simplex** Scudder, 1877a: 750. NE: USA (Eocene) [C].

Genus STYRINGOMYIA Loew

- STYRINGIA* Berendt, 1845: 57. *Nomen nudum.*
- STYRINGIA* Bronn, 1847: 597. *Nomen nudum.*
- ***STYRINGOMYIA** Loew, 1845: 6. Type species: *Styringomyia venusta* Loew, 1845, by monotypy.
- MESOMYITES** Cockerell, 1917b: 377. Type species: *Mesomyites concinnus* Cockerell, 1917, by original designation.
- ***STYRINGOMYIA** Alexander, 1972: 841 (unjustified emendation of *Styringomyia* Loew). Type species: *Styringomyia venusta* Loew, 1845, automatic.
- concinna** Cockerell, 1917b: 377 (*Mesomyites*). PA: UK (England) (Eocene/Oligocene) [C].
- extensa** Cockerell & Haines, 1921a: 83 [1921b: 112]. PA: UK (England) (Eocene/Oligocene) [C].
- gracilis** Loew, 1850b: 38. PA: Baltic Region (Eocene/Oligocene) [A].
[Species-group name valid by characters given in the key (Loew, 1850b: 36). Though Loew mentions both *venusta* and *gracilis* under *Styringomyia* (p. 38), the key is to Baltic amber fossils only and *gracilis* is the only Baltic amber species of *Styringomyia* mentioned by Loew.]
- pulchella** Loew, 1845: 7. *Nomen nudum.*
- venusta** Loew, 1845: 6. OR: "Ostindische" (Holocene) [K].

Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992a: 107).

Genus SYMPLECTA Meigen

***SYMPLECTA** Meigen, 1830: 282. Type species: *Limnobia punctipennis* Meigen, 1818 [= *Limonia hybrida* Meigen, 1804], by subsequent designation of Westwood (1840: 128).

Subgenus PSILOCONOPA Zetterstedt

***PSILOCONOPA** Zetterstedt, 1837: 64 [1838: 847] (as genus). Type species: *Psiloconopa meigeni* Zetterstedt, 1837, by monotypy.

MIOPSILOPTERA Gentilini, 1984: 175 (as genus). Type species: *Miopsiloptera savtschenkoi* Gentilini, 1984, by original designation.

gracilis Théobald, 1937a: 345 (*Ilisia*). PA: France (Oligocene) [C]. **New combination.**

savtschenkoi Gentilini, 1984: 175 (*Miopsiloptera*). PA: Italy (Miocene) [C].

Genus TANYMERA Loew

TANYMERA Loew, 1850b: 36. Type species: *Tanymera gracilicornis* Osten Sacken, 1869, by subsequent monotypy in Osten Sacken (1869: 193). [*Tanymera* originally proposed without included species. The type species is the first inclusion of a named species by Osten Sacken (1869: 193).]

TANYMERA Alexander, 1931: 75. Type species: *Tanymera fritschi* Alexander, 1931, by original designation. [Preoccupied by Loew, 1850.]

annulata Meunier, 1899e: 173. PA: Baltic Region (Eocene/Oligocene) [A].

arguta Alexander, 1931: 76. PA: Baltic Region (Eocene/Oligocene) [A].

berendti Alexander, 1931: 79. PA: Baltic Region (Eocene/Oligocene) [A].

crassicornis Meunier, 1899e: 173. PA: Baltic Region (Eocene/Oligocene) [A].

fritschi Alexander, 1931: 78. PA: Baltic Region (Eocene/Oligocene) [A].

gracilicornis Osten Sacken, 1869: 193. PA: Baltic Region (Eocene/Oligocene) [A].

terminans Alexander, 1931: 78. PA: Baltic Region (Eocene/Oligocene) [A].

Genus TANYSPHYRA Loew

TANYSPHYRA Berendt, 1845: 57. *Nomen nudum*.

TANYSPHYRA Bronn, 1847: 597. *Nomen nudum*.

TANYSPHYRA Loew, 1850*b*: 36, 38. Type species: *Tanysphyra gracilis* Loew, 1850 [preoccupied, = *Limnophila meunieri* Cockerell, 1909], by monotypy.

POECILOSTIELLA Meunier, 1899*d*: 334. Type species: *Tanysphyra gracilis* Loew, 1850 [preoccupied, = *Limnophila meunieri* Cockerell, 1909], by **present designation**.

[*Poecilostiella* originally proposed without included species. The present type designation is from the first included species herein in accordance with the *Code*.]

meunieri Cockerell, 1909*b*: 58 (*Limnophila*; new replacement name for *gracilis* Loew). PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

gracilis Loew, 1850*b*: 38. PA: Baltic Region (Eocene/Oligocene) [A]. [Preoccupied by Wiedemann, 1828 in *Limnophila*; *meunieri* valid by IC.Z.N. Code 59(b).]

Genus TASIOCERA Skuse

***TASIOCERA** Skuse, 1890*a*: 815. Type species: *Tasiocera tenuicornis* Skuse, 1890, by subsequent designation of Alexander (1920*b*: 52).

Subgenus DASYMOLOPHILUS Goetghebuer

***DASYMOLOPHILUS** Goetghebuer in Goetghebuer & Tonnoir, 1920: 132 (as *Molophilus* subgenus). Type species: *Erioptera murina* Meigen, 1818, by original designation.

circumcincta Meunier, 1906*f*: 368 (*Erioptera*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination**.

Genus THAUMASTOPTERA Mik

***THAUMASTOPTERA** Mik, 1866: 302. Type species: *Thaumastoptera calceata* Mik, 1866, by monotypy.

electra Alexander, 1931: 41. PA: Baltic Region (Eocene/Oligocene) [A].

ryszardi Krzemiński, 1985: 115. PA: Baltic Region (Eocene/Oligocene) [A].

Genus TOXORHINA Loew

TOXORHINA Berendt, 1845: 57. *Nomen nudum*.

TOXORHINA Bronn, 1847: 597. *Nomen nudum*.

- ***TOXORHINA** Loew, 1850*b*: 36, 37. Type species: *Toxorhina fragilis* Loew, 1851, by subsequent designation of Osten Sacken (1869: 113).
TOXORRHINA, error for *Toxorhina* Loew.

Subgenus CERATOCHEILUS Wesché

- ***CERATOCHEILUS** Wesché, 1910: 358 (as genus). Type species: *Ceratocheilus winnampsoni* Wesché, 1910 [= *Styringomyia cornigera* Speiser, 1908], by subsequent designation of Brunetti (1920: 230).

caucasiensis Krzemiński & Freiwald, 1991: 155. PA: Russia (Stavropol) (Miocene) [C].

eridana Meunier, 1917*a*: 96 (*Ceratocheilus*). PA: Baltic Region (Eocene/Oligocene) [A].

Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Krzemiński, 1992*a*: 107).

Unplaced to Subgenus of TOXORHINA Loew

- madagascariensis** Meunier, 1906*c*: 98. AF: Madagascar (Holocene) [K].
madagascariensis Meunier, 1905*d*: 89. *Nomen nudum*.

Genus TRENTEPOHLIA Bigot

- ***TRENTEPOHLIA** Bigot, 1854: 456, 473. Type species: *Limnobia trentepohlilii* Wiedemann, 1828 (as "*Trentepohlia limnobioides*"), by monotypy.

Subgenus MONGOMA Westwood

- ***MONGOMA** Westwood, 1881: 364 (as genus). Type species: *Mongoma fragillima* Westwood, 1881, by monotypy.

cruciferella Cockerell, 1917*b*: 373 (*Mongoma*). PA: UK (England) (Eocene/Oligocene) [C]. **New combination.**

pallescens Cockerell, 1921*c*: 460 (*Mongoma*). PA: UK (England) (Eocene/Oligocene) [C]. **New combination.**

Subgenus TRENTEPOHLIA Bigot

dampfiana Alexander, 1931: 123. PA: Baltic Region (Eocene/Oligocene) [A].

Unplaced to Subgenus of TRENTEPOHLIA Bigot

Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Davis, 1989: 548; Krzemiński, 1992*a*: 107).

Genus **TRICHONEURA** Loew

TRICHONEURA Berendt, 1845: 57. *Nomen nudum*.

TRICHONEURA Bronn, 1847: 597. *Nomen nudum*.

***TRICHONEURA** Loew, 1850*b*: 36. Type species: *Trichoneura vulgaris* Loew, 1850, by monotypy.

SACKENIELLA Meunier, 1894*d*: clxxviii (1895*a*: clxxviii). Type species: *Trichoneura vulgaris* Loew, 1850, by subsequent monotypy in Speiser (1900: 317).

SACKANIELLA. Incorrect original spelling of *Sackeniella* [Meunier, 1894*d*: clxxviii (1895*a*: clxxviii)].

Subgenus **TRICHONEURA** Loew

gracilistylus Alexander, 1931: 57. PA: Baltic Region (Eocene/Oligocene) [A].
longicornis Keilbach, 1982: 320. *Nomen nudum*.

ritzkowskii Krzemiński, 1990*b*: 189. PA: Baltic Region (Eocene/Oligocene) [A].

vulgaris Loew, 1850*b*: 36. PA: Baltic Region (Eocene/Oligocene) [A]; PA: Germany (Miocene) [A].

decipiens Meunier, 1906*f*: 387. PA: Baltic Region (Eocene/Oligocene) [A].

prolifera Meunier, 1916*b*: 492 (as *vulgaris* subspecies). PA: Baltic Region (Eocene/Oligocene) [A].

Unplaced to Subgenus of **TRICHONEURA** Loew

canadensis Krzemiński & Teskey, 1987: 888. NE: Canada (Upper Cretaceous) [A].
grubei Keilbach, 1982: 320. *Nomen nudum*.

heini Keilbach, 1982: 320. *Nomen nudum*.

Genus **TRICYPHONA** Zetterstedt

***TRICYPHONA** Zetterstedt, 1837: 65 [1838: 551]. Type species: *Limonia immaculata* Meigen, 1804, by monotypy.

electrina Alexander, 1931: 95. PA: Baltic Region (Eocene/Oligocene) [A].

sepulchralis Alexander, 1931: 94. PA: Baltic Region (Eocene/Oligocene) [A].

succinea Alexander, 1931: 94. PA: Baltic Region (Eocene/Oligocene) [A].

Genus **ULA** Haliday

***ULA** Haliday, 1833: 153. Type species: *Ula mollissima* Haliday, 1833, by monotypy.

HAPLONEURA Loew, 1850*b*: 36. Type species: *Haploneura hirtipennis* Osten Sacken, 1869, by subsequent monotypy in Osten Sacken (1869: 275).

hirtipennis Osten Sacken, 1869: 275 (*Haploneura*). PA: Baltic Region (Eocene/Oligocene) [A].

rottensis Statz, 1934: 101. PA: Germany (Oligocene) [C].

Genus XUTIPULA Hong

XUTIPULA Hong, 1983: 108. Type species: *Xutipula longipetalis* Hong, 1983, by original designation.

longipetalis Hong, 1983: 108. PA: China (Middle Jurassic) [C].

Unplaced Species of LIMONIIDAE

ferrea Cockerell, 1921c: 460 (*Gonomyia*). PA: UK (England) (Eocene/Oligocene) [C].

grisea Cockerell, 1921c: 461 (*Gonomyia*). PA: UK (England) (Eocene/Oligocene) [C].

indecisa Cockerell & Haines, 1921a: 83 [1921b: 111] (*Gonomyia*). PA: UK (England) (Eocene/Oligocene) [C].

lutescens Cockerell, 1921c: 461 (*Gonomyia*). PA: UK (England) (Eocene/Oligocene) [C].