

Family ANISOPODIDAE

The Anisopodidae are a cosmopolitan family of nematocerous flies of small to medium size. Adults of extant forms are often found in association with larval habits, such as bleeding wounds of tree trunks and are known to feed on nectar and other liquids. Larvae are saprophagous and are chiefly found in decaying and moist substrates of various kinds including fermenting organic matter, exudates from trees, manure, leaves and roots, and rotting wood.

The fossil constituency of this family is represented by 8 fossil genera, 4 extant genera and 36 species. The oldest representatives are found in the Lower Jurassic of Kirghizistan. Additionally, McAlpine & Martin (1969: 837) recorded an unidentified specimen from the Upper Cretaceous amber of Canada, Hurd *et al.* (1962) recorded the family from the Miocene amber of Chiapas, Mexico, and Schumann & Wendt (1989) recorded the family from the Miocene Bitterfeld amber of Germany.

The fossil *Caloneura* Hong has a peculiar wing venation and the depictions in the two illustrations in Hong (1981) are different from each other and different from that in the photograph (Hong, 1981: pl. 49). The venation depicted is unlike Anisopodidae. Until such time as the type specimen can be restudied, it is transferred in this catalog (under the new replacement name *Hongocaloneura*) to Unplaced Nematocera.

Refs.: Edwards (1928, review of world fossils); Grimaldi (1991, review of New World amber taxa).

Genus MEGARHYPHUS Kovalev

MEGARHYPHUS Kovalev, 1990: 139. Type species: *Megarhyphus sophiae* Kovalev, 1990, by original designation.

rectinervis Kovalev, 1990: 139. PA: Russia (Siberia) (Upper Jurassic) [C].

sophiae Kovalev, 1990: 136. PA: Russia (Siberia) (Upper Jurassic/Lower Cretaceous) [C].

Genus MESOBRACHYOPTERYX Hong & Wang

MESOBRACHYOPTERYX Hong & Wang, 1990: 148. Type species *Mesobrachyopteryx shandongensis* Hong & Wang, 1990, by original designation.

MESOBRACHYOPTRYX. Incorrect original spelling of *Mesobrachyopteryx* (Regional Geological Surveying Team, 1990: table 3).

shandongensis Hong & Wang, 1990: 149. PA: China (Upper Jurassic) [C].

Genus MESOCHRIA Enderlein

***MESOCHRIA** Enderlein, 1910: 65. Type species: *Mesochria scottiana* Enderlein, 1910, by original designation.

neotropica Grimaldi, 1991: 21. NT: Dominican Republic (Oligocene/Miocene) [A].

Genus MESORHYPHUS Handlirsch

MESORHYPHUS Handlirsch, 1920: 203. Type species: *Mesorhynchus nanus* Handlirsch, 1920, by monotypy.

MESORRHYPHOIDES Rohdendorf, 1962: 331 (1991: 481). Unavailable name; proposed after 1930 without diagnosis or description.

PROTOLBIOGASTER Rohdendorf, 1962: 332 (1991: 483). Type species: *Protolbiogaster rhaetica* Rohdendorf, 1962, by original designation.

anomalus Handlirsch, 1939: 103. PA: Germany (Lower Jurassic) [C].

areolatus Handlirsch, 1939: 103. PA: Germany (Lower Jurassic) [C].

clavipes Kovalev, 1990: 143. PA: Russia (Siberia) (Upper Jurassic/Lower Cretaceous) [C].

nanus Handlirsch, 1920: 203 [1939: 102]. PA: Germany (Lower Jurassic) [C].

rhaeticus Rohdendorf, 1962: 332 (1991: 483) (*Protolbiogaster*). PA: Kirghizstan (Lower Jurassic) [C].

Genus MYCETOBLIA Meigen

***MYCETOBLIA** Meigen, 1818: 229. Type species: *Mycetobia pallipes* Meigen, 1818, by subsequent designation of Westwood (1840: 127).

***MICLTOICA** Rondani, 1861b: 12 (unjustified emendation of *Mycetobia*). Type species: *Mycetobia pallipes* Meigen, 1818, automatic.

***MICETOBLIA** Neave, 1940: 144 (unjustified emendation of *Micltobia*). Type species: *Mycetobia pallipes* Meigen, 1818, automatic.

antillea Grimaldi, 1991: 13. NT: Dominican Republic (Oligocene/Miocene) [A].

connexa Meunier, 1899b: 163 [1899e: pl. I, fig. 8]. PA: Baltic Region (Eocene/Oligocene) [A].

[Validated by bibliographic reference to the plate in Meunier (1899e).]
callida Meunier, 1904c: 90 [1904d: 101]. PA: Baltic Region (Eocene/Oligocene) [A].

cryptambra Grimaldi, 1991: 17. NT: Dominican Republic (Oligocene/Miocene) [A].

longipennis Meunier, 1899b: 163. PA: Baltic Region (Eocene/Oligocene) [A].
parallela Keilbach, 1982: 330. *Nomen nudum*.

platyuroides Meunier, 1899b: 163. PA: Baltic Region (Eocene/Oligocene) [A].

terricola Scudder, 1878c: 750 (*Diadocidia*). NE: USA (Eocene) [C].

unicalcaratus Keilbach, 1982: 330. *Nomen nudum*.

Unidentified sp.—PA: Japan (Pleistocene) [K] (Saigusa, 1974: 426).

Genus OLBIOGASTER Osten Sacken

ADONIA Giebel, 1856: 239. Type species: *Platyura fittoni* Westwood, 1845 (as “*fittoni* Brodie”), by monotypy. [Preoccupied by Mulsant, 1846.]

***OLBIOGASTER** Osten Sacken, 1886: 20. Type species: *Rhyphus taeniatus* Bellardi, 1862, by subsequent designation of Coquillett (1910: 579).

[Sharp (1887: 302) mentioned that *Olbiogaster* was described “for *O. cognata*”. This phraseology is not considered in this catalog as wording definitively designating a type species. See also Evenhuis & Thompson (1990) for further details on the vagaries of subsequent designations of type species.]

MYCETOPHILITES Förster, 1891: 465. Type species: *Platyura fittoni* Westwood, 1845, by **present designation**.

[Genus originally proposed without included species. Present type designation is from the first included named species in this genus in accordance with the *Code*.]

PSEUDADONIA Handlirsch, 1906a: 628 (new replacement name for *Adonia* Giebel). Type species: *Platyura fittoni* Westwood, 1845, automatic.

EOTHEREVA Cockerell, 1920a: 251. Type species: *Eothereva simplex* Cockerell, 1920, by original designation.

EUTHEREVA, error for *Eothereva*.

fittoni Westwood in Brodie, 1845: pl. 3, fig. 9 (*Platyura*). PA: UK (England) (Lower Cretaceous) [C].

simplex Cockerell, 1920a: 251 (*Eothereva*). NE: USA (Eocene) [C].

Genus OLIGOPHYNE Rohdendorf

OLIGOPHYNE Rohdendorf, 1962: 332 (1991: 482). Type species: *Oligophryne fungivoroides* Rohdendorf, 1962, by original designation.

fungivoroides Rohdendorf, 1962: 332 (1991: 482). PA: Kirghizistan (Lower Jurassic) [C].

Genus PACHYRHYPHUS Kovalev

PACHYRHYPHUS Kovalev, 1986: 130. Type species: *Pachyrhynphus jakovlevi* Kovalev, 1986, by original designation.

jakovlevi Kovalev, 1986: 131. PA: Mongolia (Upper Jurassic/Lower Cretaceous) [C].

malus Kovalev, 1986: 131. PA: Mongolia (Upper Jurassic/Lower Cretaceous) [C].

transbaicalicus Kovalev, 1990: 140. PA: Russia (Siberia) (Upper Jurassic/Lower Cretaceous) [C].

Genus SINORHYPHUS Hong

SINORHYPHUS Hong, 1983: 130. Type species: *Sinorhynphus arcuatus* Hong, 1983, by original designation.

arcuatus Hong, 1983: 130. PA: China (Middle Jurassic) [C].

Genus SYLVICOLA Harris

***SYLVICOLA** Harris, 1780: 100. Type species: *Sylvicola brevis* Harris, 1780 [= *Tipula fenestralis* Scopoli, 1763], by subsequent designation of Coquillett (1910: 610).

PHRYNE Meigen, 1800: 16. Suppressed by I.C.Z.N. (1963: 339).

***ANISOPUS** Meigen, 1803: 264. Type species: *Anisopus fuscus* Meigen, 1804 [= *Tipula fuscata* Fabricius, 1775], by subsequent designation of Coquillett (1910: 507).

***RHYPHUS** Latreille, 1804: 188. Type species: *Tipula fenestralis* Scopoli, 1763 [as “*fenestrarum*”], by monotypy.

BRIA Giebel, 1856: 226. Type species: *Rhyphus priscus* Westwood, 1845 (as “*priscus* Brodie”), by monotypy.

ASARCOMYIA Scudder, 1890: 567. Type species: *Asarcomyia cadaver* Scudder, 1890, by monotypy.

cadaver Scudder, 1890: 567 (*Asarcomyia*). NE: USA (Eocene) [C]. **New combination.**

carolae Lewis, 1969: 111 (*Anisopus*). NE: USA (Miocene) [C]. **New combination.**

hooleyi Cockerell, 1921c: 467 (*Rhyphus*). PA: UK (England) (Eocene/Oligocene) [C]. **New combination.**

lugubris Heer, 1849: 209 (*Rhyphus*). PA: Croatia (Miocene) [C]. **New combination.**

maculata Heer, 1849: 208 (*Rhyphus*). PA: Croatia (Miocene) [C]. **New combination.**

prisca Westwood *in* Brodie, 1845: pl. 4, fig., 10 (*Rhyphus*). PA: UK (England) (Lower Cretaceous) [C]. **New combination.**

splendida Meunier, 1907b: 400 (*Rhyphus*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination.**

thiriona Meunier, 1904e: 399 (*Rhyphus*). PA: Baltic Region (Eocene/Oligocene) [A]. **New combination.**

Unidentified sp.—PA: Sicily (Miocene) [A] (Guérin-Méneville, 1838a: 170).

Unidentified sp.—PA: France (Oligocene) [C] (Serres, 1829: 231).

Genus THIRAS Giebel

THIRAS Giebel, 1856: 235. Type species *Thiras westwoodi* Giebel, 1856, by monotypy.

westwoodi Giebel, 1856: 235. PA: UK (England) (Lower Cretaceous) [C].

Genus VALSEGUYA Colless

***VALSEGUYA** Colless, 1990: 351. Type species: *Valseguya rieki* Colless, 1990, by monotypy.

disjuncta Grimaldi, 1991: 5. NT: Dominican Republic (Oligocene/Miocene) [A].