

Family KEROPLATIDAE

The family Keroplatidae is comprised of about 700 described species in 100 genera distributed worldwide. Adults of extant forms are sylvan in habit, often found in dark, damp places where they can be found gathering in large numbers in the crepuscular or nocturnal hours. Larvae also live in dark, moist situations such as caves, under logs, and under bracket fungi (Polyporaceae) where they spin silken webs used for collecting prey or spores. The larvae of some species are predaceous.

This catalog lists 45 fossil species in 14 genera. Most described species are from Baltic amber and other Tertiary deposits. However, a Cretaceous species was described from amber of northwestern France (Matile, 1981).

In addition to the determined forms listed below, Grimaldi (1990) and Maissey (1991: 434) recorded an undetermined specimen of Macrocerinae from the Cretaceous Santana Formation of Brazil.

Ref.: Matile (1981, review of fossil taxa; 1990a, world revision).

Genus ASINDULUM Latreille

- ***ASINDULUM** Latreille, 1805: 290. Type species: *Asindulum nigrum* Latreille, 1805, by monotypy.
- elegantulum** Meunier, 1904c: 106 [1904d: 115]. PA: Baltic Region (Eocene/Oligocene) [A].
- girschneri** Meunier, 1904c: 105 [1904d: 115]. PA: Baltic Region (Eocene/Oligocene) [A].
- longipalpe** Meunier, 1904c: 104 [1904d: 115]. PA: Baltic Region (Eocene/Oligocene) [A].
- pygmaeum** Statz, 1944a: 70. PA: Germany (Oligocene) [C].

Genus BURMACROCERA Cockerell

- BURMACROCERA** Cockerell, 1917g: 326. Type species: *Burmacrocera petiolata* Cockerell, 1917, by monotypy.
- petiolata** Cockerell, 1917g: 326. OR: Myanmar (Miocene) [A].

Genus HESPERODES Coquillett

***HESPERODES** Coquillett, 1900a: 429. Type species: *Hesperodes johnsoni* Coquillett, 1900, by original designation.

ARCHAEMACROCERA Meunier, 1917a: 88. Type species: *Archaemacrocera concinna* Meunier, 1917, by monotypy.

concinna Meunier, 1917a: 88 (*Archaemacrocera*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus KELNERIA Matile

KELNERIA Matile, 1979: 36. Type species: *Kelneria setosa* Matile, 1979, by original designation.

abundare Meunier, 1904c: 91 [1904d: 102] (*Macrocera*). PA: Baltic Region (Eocene/Oligocene) [A].

ciliata Meunier, 1904c: 93 [1904d: 104] (*Macrocera*). PA: Baltic Region (Eocene/Oligocene) [A].

filiformis Meunier, 1904c: 93 [1904d: 104] (*Macrocera*). PA: Baltic Region (Eocene/Oligocene) [A].

setosa Matile, 1979: 38. PA: Baltic Region (Eocene/Oligocene) [A].

Genus KEROPLATUS Bosc

***KEROPLATUS** Bosc, 1792: 42. Type species: *Keroplatus tipuloides* Bosc, 1792, by monotypy.

CEROPLATUS Fabricius, 1798: 550 (unnecessary emendation of *Keroplatus* Bosc). Type species: *Keroplatus tipuloides* Bosc, 1792, automatic.

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

Genus MACROCERA Meigen

***MACROCERA** Meigen, 1803: 261. Type species: *Macrocera lutea* Meigen, 1804, by subsequent designation of Guérin-Ménéville in Bory de Saint-Vincent (1826: 7).

PROMACROCERA Armbruster, 1938: 118. Type species: *Promacrocera archaica* Armbruster, 1938, by monotypy. [Preoccupied by Speiser, 1913.]

MACROURA, error for *Macrocera* (Berendt, 1845: 57).

archaica Armbruster, 1938: 118 (*Promacrocera*). PA: Germany (Miocene) [C].

elegantissima Meunier, 1904c: 94 [1904d: 105]. PA: Baltic Region (Eocene/Oligocene) [A].

grandis Meunier, 1899b: 163. *Nomen nudum*.

longicornis Meunier, 1904c: 94 ⁷¹ [1904d: 105] ². PA: Baltic Region (Eocene/Oligocene) [A].

melanopoda Hong in Hong *et al.*, 1974: 132. PA: China (Eocene) [A].

minuta Meunier, 1899b: 163. *Nomen nudum*.

soccata Meunier, 1899b: 163 [1899e: pl I, fig. 7]. PA: Baltic Region (Eocene/Oligocene) [A].

[Validated by bibliographic reference to the plate in Meunier (1899e).]

umbonata Statz, 1944a: 70. PA: Germany (Oligocene) [C].

Genus NECROMYZA Scudder

NECROMYZA Scudder, 1895: 121. Type species: *Necromyza pedata* Scudder, 1895, by monotypy.

pedata Scudder, 1895: 121. PA: Switzerland (Miocene) [C].

Genus ORFELIA Costa

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

***ORFELIA** Costa, 1857: 448. Type species: *Platyura fasciata* Meigen, 1804, by subsequent designation of Hardy (1960: 200).

Unidentified sp.—PA: Baltic Region (Eocene/Oligocene) [A] (Krzemińska & Krzemiński, 1992: 64–65).

Genus PALAEOASINDULUM Meunier

PALAEOASINDULUM Meunier, 1917a: 92. Type species: *Asindulum curvipalpe* Meunier, 1904, by monotypy.

curvipalpe Meunier, 1904c: 105 [1904d: 116] (*Asindulum*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus PALEOPLATYURA Meunier

***PALEOPLATYURA** Meunier, 1899b: 164. Type species: *Mycetobia macrocera* Meunier, 1899, by monotypy.

eocenica Cockerell, 1920a: 249. NE: USA (Eocene) [C].

loevi Meunier, 1923b: fig. 1. PA: Baltic Region (Eocene/Oligocene) [A].

loewi Meunier, 1922b: 114. *Nomen nudum*.

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

Genus **PLATYURA** Meigen

***PLATYURA** Meigen, 1803: 264. Type species: *Platyura marginata* Meigen, 1804, by subsequent designation of Blanchard in Audouin *et al.* (1847: pl. 164).

armata Meunier, 1899b: 164. PA: Baltic Region (Eocene/Oligocene) [A].

calcar Meunier, 1899b: 164. PA: Baltic Region (Eocene/Oligocene) [A].

ceroplatites Meunier, 1904c: 103 [1904c: 114]. PA: Baltic Region (Eocene/Oligocene) [A].

ceroplatoides Meunier, 1904c: 102 [1904d: 113]. PA: Baltic Region (Eocene/Oligocene) [A].

conjuncta Loew, 1850b: 35. PA: Baltic Region (Eocene/Oligocene) [A].

crassicornis Meunier, 1917a: 91. PA: Baltic Region (Eocene/Oligocene) [A].

difficilis Meunier, 1899b: 165. *Nomen nudum*.

distincta Meunier, 1904c: 101 [1904d: 112]. PA: Baltic Region (Eocene/Oligocene) [A].

ectorsii Meunier, 1904c: 100 [1904d: 111]. PA: Baltic Region (Eocene/Oligocene) [A].

ehrharti Loew, 1850b: 35. PA: Baltic Region (Eocene/Oligocene) [A].

exigia Meunier, 1907a: 54. AF: Tanzania (Pleistocene/Holocene) [K].

filipes Meunier, 1899b: 165. *Nomen nudum*.

graciosa Meunier, 1904c: 98 [1904d: 109]. PA: Baltic Region (Eocene/Oligocene) [A].

kunowi Meunier, 1904c: 96 [1904d: 107]. PA: Baltic Region (Eocene/Oligocene) [A].

mikii Meunier, 1904c: 101 [1904d: 112]. PA: Baltic Region (Eocene/Oligocene) [A].

moniliformis Meunier, 1904c: 99 [1904d: 110]. PA: Baltic Region (Eocene/Oligocene) [A].

noda Hong, 1981: 88. PA: China (Eocene) [A].

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

pusilla Meunier, 1899b: 165 [1899e: pl. I, fig. 10]. PA: Baltic Region (Eocene/Oligocene) [A].

[Valid by bibliographic reference to plate in Meunier (1899e).]

subaequalis Meunier, 1899b: 165. *Nomen nudum*.

verrali Meunier, 1904c: 97 [1904d: 108]. PA: Baltic Region (Eocene/Oligocene) [A].

Unidentified sp.—PA: UK (England) (Pliocene) [A] (Reid, 1886: 248).

Genus **PROAPEMON** Melander

PROAPEMON Melander, 1949: 9. Type species: *Proapemon infernus* Melander, 1949, by original designation.

infernus Melander, 1949: 9. NE: USA (Oligocene) [C].

Genus PROCEROPLATUS Edwards

***PROCEROPLATUS** Edwards, 1925: 523. Type species: *Platyura pictipennis* Williston, 1896, by original designation.

hennigi Schmalfuss, 1979: 4. NT: Dominican Republic (Oligocene/Miocene) [A].

Genus SCHLUETERIMYIA Matile

SCHLUETERIMYIA Matile, 1981: 102. Type species: *Schlueterimyia cenomanica* Matile, 1981, by original designation.

cenomanica Matile, 1981: 102. PA: France (Upper Cretaceous) [A].