

Family STRATIOMYIDAE

The family Stratiomyidae, commonly called soldier flies, is comprised of over 2,000 living and fossil species in about 400 genera worldwide. Adults of most extant forms are found near larval habitats. Larvae can be found in a diverse array of situations including hot springs, soil, sod, under bark, and in animal excrement and decaying organic matter. Some taxa are scavengers, while others are known to be predaceous. The larvae of some Chiromyzinae feed on the roots of grasses and can become pestiferous.

Undescribed material of the family has been recorded from the Lower Cretaceous limestone of Spain (Zherichin, 1985; Gomez Pallerola, 1986).

Genus **BERIS** Latreille

***BERIS** Latreille, 1802: 447. Type species: *Stratiomys sexdentata* Fabricius, 1781 [= *Musca chalybata* Forster, 1771], by monotypy.

miocenica James, 1937: 245. NE: USA (Oligocene) [C].

Unidentified sp.—PA: Baltic Region (Eocene/Oligocene) [A] (Helm, 1896: 223; Hennig, 1967a: 15).

Genus **CACOSIS** Walker

***CACOSIS** Walker, 1856: 83. Type species: *Sargus niger* Wiedemann, 1830, by monotypy.

sexannulata Meunier, 1910f: 200. PA: Baltic Region (Eocene/Oligocene) [A].

Genus **CRETACEOGASTER** Teskey

CRETACEOGASTER Teskey, 1971: 1659. Type species: *Cretaceogaster pygmaeus* Teskey, 1971, by original designation.

pygmaeus Teskey, 1971: 1660. NE: Canada (Upper Cretaceous) [A].

Genus CURTISIMYIA Giebel

CURTISIMYIA Giebel, 1856: 203. Type species: *Curtisimyia eximia* Giebel, 1856, by monotypy.

eximia Giebel, 1856: 203. PA: France (Oligocene) [C].

Genus CYPHOMYIA Wiedemann

***CYPHOMYIA** Wiedemann, 1819: 54. Type species: *Stratiomys cyanea* Fabricius, 1794, by subsequent designation of Duponchel *in d'Orbigny* (1845: 548).

rohweri Cockerell, 1916c: 90 (*Oxycera*). NE: USA (Oligocene) [C].

Genus HERMETIA Latreille

***HERMETIA** Latreille, 1804: 192. Type species: *Musca illucens* Linnaeus, 1758, by monotypy.

***illucens** Linnaeus, 1758: 589 (*Musca*). NT: South America; widespread southern temperate and tropics; NT: Mexico (Pleistocene) [C].

Genus HERMETIELLA Meunier

HERMETIELLA Meunier, 1908h: 263. Type species: *Hermetiella bifurcata* Meunier, 1908, by monotypy.

bifurcata Meunier, 1908h: 263. PA: Baltic Region (Eocene/Oligocene) [A].

Genus LASIOPA Brullé

***LASIOPA** Brullé, 1833a: 307. Type species: *Lasiopa peleteria* Brullé, 1833, by monotypy.

carpenteri James, 1937: 246. NE: USA (Oligocene) [C].

Genus LITHOPHYSA Scudder

LITHOPHYSA Scudder, 1890: 566. Type species: *Lithophysa tumulta* Scudder, 1890, by monotypy.

tumulta Scudder, 1890: 566. NE: USA (Eocene) [C].

Genus MOYAMYIA Melander

MOYAMYIA Melander, 1949: 26. Type species: *Moyamyia limigena* Melander, 1949, by original designation.

limigena Melander, 1949: 27. NE: USA (Oligocene) [C].

Genus NOTHOMYIA Loew

***NOTHOMYIA** Loew, 1869: 4 [1872b: 118]. Type species: *Nothomyia scutellata* Loew, 1869, by subsequent designation of Brauer (1882: 88).

Unidentified sp.—NT: Dominican Republic (Oligocene/Miocene) [A] (Poinar, 1992: 182).

Genus ODONTOMYIA Meigen

EULALIA Meigen, 1800: 21. Suppressed by I.C.Z.N. (1963: 339).

***ODONTOMYIA** Meigen, 1803: 265. Type species: *Musca hydroleon* Linnaeus, 1758, by subsequent designation of Westwood (1840: 130).

brodiei Cockerell, 1915c: 494 (*Stratiomys*). PA: UK (England) (Eocene/Oligocene) [C].

herichsonii Hope, 1847: 7. PA: France (Oligocene) [C].

Unidentified spp.—PA: Germany (Oligocene) [C] (Zeuner, 1938: 136; Statz, 1940: 126; Hein, 1954: 644).

Genus OXYCERA Meigen

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

***OXYCERA** Meigen, 1803: 265. Type species: *Musca hypoleon* Linnaeus, 1767 [= *Musca trilineata* Linnaeus, 1767], by subsequent designation of Latreille (1810: 442).

contusa Cockerell, 1917a: 20. NE: USA (Oligocene) [C].

Unidentified sp.—PA: Germany (Oligocene) [C] (Statz, 1940: 128).

Genus PACHYGASTER Meigen

***PACHYGASTER** Meigen, 1803: 266. Type species: *Nemotelus ater* Panzer, 1798, by monotypy.

antiquus James, 1971: 71. NT: Mexico (Oligocene/Miocene) [A].

Genus PROTOBERIS Cockerell

PROTOBERIS Cockerell, 1915c: 494. Type species: *Protoberis obliteratus* Cockerell, 1915, by monotypy.

obliterata Cockerell, 1915c: 494. PA: UK (England) (Eocene/Oligocene) [C].

Genus RHINGIOPSIS Röder

***RHINGIOPSIS** Röder, 1886: 138. Type species: *Rhingiopsis tau* Röder, 1886, by monotypy.

priscula Cockerell, 1910c: 286 (*Nemotelus*). NE: USA (Oligocene) [C].

Genus SARGUS Fabricius

***SARGUS** Fabricius, 1798: 549. Type species: *Musca cupraria* Linnaeus, 1758, by subsequent designation of Latreille (1810: 442).

vetus Cockerell, 1921b: 32. NE: USA (Eocene) [C].

Unidentified sp.—PA: France (Oligocene) [C] (Serres, 1829: 232).

Genus STRATIOMYS Geoffroy

***STRATIOMYS** Geoffroy, 1762: 475. Type species: *Musca chamaeleon* Linnaeus, 1758, by subsequent designation of I.C.Z.N. (1957b: 123).

STRATIOTOMYIA Rye, 1879: 188 (unjustified emendation of *Stratiomys* Geoffroy). Type species: *Musca chamaeleon* Linnaeus, 1758, automatic.

heberti Oustalet, 1870: 156. PA: France (Oligocene) [C].

pentadiscalia Statz, 1940: 124. PA: Germany (Oligocene) [C].