

Family HELEOMYZIDAE

Heleomyzidae are a fairly successful and diverse group of acalypterate flies containing approximately 500 described fossil and living species in some 70 genera worldwide. Generic composition of the family differs among workers and much needs to be done to standardize the generic concepts in the family. Little is known about the life histories of these flies. Adults are attracted to carcasses and feces and can also be found in moist sylvan habitats in association with the various larval situations. Larvae are saprophagous and have been recorded from a variety of types of decaying organic matter including carrion, excrement, and fungi.

In addition to the determined forms listed below, the family has also been recorded (as "Trixoscelididae") from the Oligocene/Miocene amber deposits of the Dominican Republic (Poinar, 1992).

Genus CHAETOHELOMYZA Hennig

CHAETOHELOMYZA Hennig, 1965: 148. Type species: *Chaetohelomyza electrica* Hennig, 1965, by monotypy.

electrica Hennig, 1965: 148. PA: Baltic Region (Eocene/Oligocene) [A].

Genus ELECTROLERIA Hennig

ELECTROLERIA Hennig, 1965: 151. Type species: *Leria alacris* Meunier, 1904, by original designation.

alacris Meunier, 1904e: 25 (*Leria*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus HELEOMYZA Fallén

***HELEOMYZA** Fallén, 1810: 19. Type species: *Musca serrata* Linnaeus, 1758, by monotypy.

***LERIA** Robineau-Desvoidy, 1830: 653. Type species: *Leria domestica* Robineau-Desvoidy, 1830 [= *Musca serrata* Linnaeus, 1758], by subsequent designation of Rondani (1866b: 5, 42).

bauckhorni Meunier, 1915c: 208. PA: Germany (Oligocene) [C].

fagei Timon-David, 1944: 133. PA: France (Oligocene) [C].

- humilis* Meunier, 1910c: 143. AF: Tanzania (Pleistocene/Holocene) [K]. [Pre-occupied by Meigen, 1830; no new replacement name proposed here.]
- insatiabilis** Meunier, 1910c: 145 (*Leria*). AF: Ghana (Holocene) [K]. **New combination.**
- insaturabilis** Meunier, 1910c: 144 (*Leria*). AF: Madagascar (Holocene) [K]. **New combination.**
- oligocenica** Théobald, 1937a: 255. PA: France (Oligocene) [C].

Genus HETEROMYZA Fallén

- ***HETEROMYZA** Fallén, 1820a: 1. Type species: *Heteromyza oculata* Fallén, 1820, by subsequent designation of Westwood (1840: 145).
- HETEROMYIELLA** Cockerell, 1915a: 644. Type species: *Heteromyiella miocenica* Cockerell, 1915, by monotypy.
- detecta** Scudder, 1877a: 758. NE: USA (Eocene) [C].
- dubia** Meunier, 1904e: 25. PA: Baltic Region (Eocene/Oligocene) [A].
- miocenica** Cockerell, 1915a: 644 (*Heteromyiella*). NE: USA (Oligocene) [C].
- senilis** Scudder, 1877b: 276. NE: Canada (Oligocene) [C].

Genus LERIELLA Meunier

- LERIELLA** Meunier, 1908g: 255. Type species: *Leriella crassifemorata* Meunier, 1908, by monotypy.
- crassifemorata** Meunier, 1908g: 255. AF: Tanzania (Pleistocene/Holocene) [K].

Genus PROTOSUILLIA Hennig

- PROTOSUILLIA** Hennig, 1965: 145. Type species: *Helomyza media* Meunier, 1904, by original designation.
- media** Meunier, 1904e: 22 (*Helomyza*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus SUILLIA Robineau-Desvoidy

***SUILLIA** Robineau-Desvoidy, 1830: 642. Type species: *Suillia fungorum* Robineau-Desvoidy, 1830 [= *Heleomyza rufa* Fallén, 1820], by subsequent designation of Coquillett (1910: 610).

major Meunier, 1904e: 22 (*Helomyza*). PA: Baltic Region (Eocene/Oligocene) [A].

Genus TRIXOSCELIS Rondani

***TRIXOSCELIS** Rondani, 1856: 134. Type species: *Geomyza obscurella* Fallén, 1823, by original designation.

patefacta Melander, 1949: 53. NE: USA (Oligocene) [C].