

## Family THEREVIDAE

Therevidae, or stiletto flies, are a fairly common family of predominantly xerophilic brachycerous flies. They are found virtually worldwide and are comprised of over 700 species in about 50 genera. Adults feed from a variety of fluid sources including water, plant fluids, and insect secretions and excretions. Larvae are free living in the soil and are predaceous on fossorial organisms including earthworms, and the larvae of other insects such as beetles.

The fossil record is sparse (11 species in 6 genera), no doubt due to their normally being found in xerophilic habitats, which are uncommon sources for fossil insect deposits, except possibly those deposits originating in the more dryer Triassic. One fossil, originally described as a therevid (*Psilocephala scuderi* Cockerell) has been removed to the genus *Desmatomyia* Williston in the Bombyliidae after reexamination of the type (Evenhuis, 1990a).

Müller (1977) has shown that the Eocene trace fossil *Helicorhaphé* Książki-ewicz is probably the same as *Thereva* Latreille. It is treated in this catalog as questionably included in Therevidae pending further study.

Ref.: Hennig (1967c, review of amber taxa).

### Genus GLAESORTHACTIA Hennig

**GLAESORTHACTIA** Hennig, 1967c: 3. Type species: *Thereva magnicornis* Meunier, 1908, by original designation.

**magnicornis** Meunier, 1908h: 260 (*Thereva*). PA: Baltic Region (Eocene/Oligocene) [A].

### Genus NEBRITUS Coquillett

\***NEBRITUS** Coquillett, 1894: 187. Type species: *Nebritus hubbardii* Coquillett, 1898, by original designation.

**willistoni** Melander, 1949: 30. NE: USA (Oligocene) [C].

**Genus PSILOCEPHALA Zetterstedt**

- \***PSILOCEPHALA** Zetterstedt, 1838: 525. Type species: *Bibio imberbis* Fallén, 1814, by subsequent designation of Coquillett (1910: 597).
- \***PARACLIA** Enderlein, 1936: 88. Type species: *Bibio imberbis* Fallén, 1814, by monotypy.
- agilis** Meunier, 1908*h*: 260. PA: Baltic Region (Eocene/Oligocene) [A].
- electrella** Cockerell, 1920*b*: 170. OR: Myanmar (Miocene) [A].
- pusilla** Hennig, 1967*c*: 10. PA: Baltic Region (Eocene/Oligocene) [A].
- tarsalis** Statz, 1940: 130 (*Paraclia*). PA: Germany (Oligocene) [C] **New combination.**

**Genus RUEPELLIA Wiedemann**

- \***RUEPELLIA** Wiedemann, 1830: 625, 663, 675. Type species: *Rueppellia semiflava* Wiedemann, 1830, by monotypy.
- RUEPELLIA**. Incorrect original spelling of *Rueppellia* (Wiedemann, 1830: 625). [By action of first reviser in Bezzi (1903: 213).]
- vagabunda** Cockerell, 1927*a*: 163. NE: USA (Oligocene) [C].

**Genus THEREVA Latreille**

- \***THEREVA** Latreille, 1797: 167. Type species: *Musca plebeja* Linnaeus, 1758, by subsequent monotypy in Latreille (1802: 441).
- bosniaskii** Handlirsch, 1907*c*: 1010. PA: Italy (Miocene) [C].
- marcelini** Théobald, 1937*a*: 146. PA: France (Oligocene) [C].
- pinguis** Loew, 1850*b*: 40. PA: Baltic Region (Eocene/Oligocene) [A].

**Questionably Included in THEREVIDAE****Genus HELICORHAPHE Książkiewicz**

- HELICORHAPHE** Książkiewicz, 1970: 286. Type species: *Helicorhappe tortilis* Książkiewicz, 1970, by original designation.
- tortilis** Książkiewicz, 1970: 286. PA: Poland (Eocene) [T].