

Family OESTRIDAE

The Oestridae, commonly called bot flies or warble flies, are found worldwide. Adults of extant forms have vestigial or completely lack mouthparts and do not feed, relying instead on stored body fats. They are known to congregate at hilltops and other elevated landmarks to mate. Larvae are subcutaneous in a variety of animals, some causing severe debilitation and death in their hosts.

Because the immatures are the most frequently encountered life stage of this fly, this is also the most common stage recorded in the fossil record. A total of seven species in 6 genera have been described from fossils.

The oldest representatives of this family belong to undescribed specimens recorded from the Eocene shales of Green River formation in the Rocky Mountains of North America (Bradley, 1931).

Genus ADAPTERITES Townsend

ADAPTERITES Townsend, 1938: 166. Type species: *Dipterites obovatus* Heer, 1864, by original designation. ✓

obovatus Heer, 1864: 394 (*Dipterites*). PA: Switzerland (Miocene) [C].

Genus AGIEBELIA Townsend

GIEBELIA Townsend, 1921: 133. Type species: *Giebelia ignota* Townsend, 1921, by monotypy. [Preoccupied by Kellogg, 1896.]

AGIEBELIA Townsend, 1933: 420 (new replacement name for *Giebelia* Townsend). Type species: *Giebelia ignota* Townsend, 1921, automatic.

ignota Townsend, 1921: 133 (*Giebelia*). LU (Undetermined Tertiary) [C].

Genus COBBOLDIA Brauer

***COBBOLDIA** Brauer, 1887: 218. Type species: *Oestrus elephantis* Cobbold, 1882, by monotypy.

Subgenus MAMONTIA Grunin

MAMONTIA Grunin, 1973: 228. Type species: *Cobboldia rusanovi* Grunin, 1973, by original designation.

rusanovi Grunin, 1973: 228. PA: Russia (Siberia) (Pleistocene) [C].

Genus CUTEREBRA Clark

***CUTEREBRA** Clark, 1815: 64, 70. Type species: *Oestrus cuniculi* Clark, 1797, by subsequent designation of Desmarest in Chenu (1859: 247).

LITHOHYPONDERMA Townsend, 1917: 129. Type species: *Musca acsarides* Scudder, 1877, by original designation.

ascarides Scudder, 1877a: 757 (*Musca*). NE: USA (Eocene) [C].

bibosa Scudder, 1877a: 757 (*Musca*). NE: USA (Eocene) [C].

Genus DERMATOBIA Brauer

***DERMATOBIA** Brauer, 1861: 782. Type species: *Cuterebra cyaniventris* Macquart, 1843 [= *Oestrus hominis* Linnaeus, 1781, by subsequent designation of Guimarães & Papavero (1966: 228)].

hydropica Scudder, 1877a: 757 (*Musca*). NE: USA (Eocene) [C].

Genus NOVOBERENDTIA Rapp

BERENDTIA Townsend, 1921: 133. Type species: *Berendtia baltica* Townsend, 1921, by monotypy. [Preoccupied by Crossa & Fischer, 1869.]

NOVOBERENDTIA Rapp, 1945: 172 (new replacement name for *Berendtia* Townsend). Type species: *Berendtia baltica* Townsend, 1921, automatic.

baltica Townsend, 1921: 133 (*Berendtia*). PA: Baltic Region (Eocene/Oligocene) [A].