

# 111. Family GASTEROPHILIDAE

By Neal L. Evenhuis

**S**pecies of Gasterophilidae, commonly known as horse bot flies, are represented in these regions by introduced Old World cosmopolitan species whose distributions coincide with those of their hosts. Larvae of gasterophilids, as with oestrids, are encountered more frequently than adults. They develop in the digestive tracts of their

hosts and are passed out in feces, where pupariation occurs. Adults have vestigial mouthparts and, consequentially, a short flight period.

*Refs.:* Colless & McAlpine (1970, Australian spp.), Hardy (1981, Hawaiian spp.), Ferrar (1987, immat. biol.).

## Genus GASTEROPHILUS Leach

**GASTEROPHILUS** Leach, 1817b: 2 [1818b: 568]. Type species: *Oestrus equi* Clark, 1797 [suppressed by I.C.Z.N., 1957: 83, = *Oestrus intestinalis* De Geer, 1776], des. Curtis, 1826: 146.

**GASTRUS** Meigen, 1824: 174. Type species: *Oestrus intestinalis* De Geer, 1776, des. Coquillett, 1910: 546.

**GASTROPHILUS** Agassiz, 1847: 160. Invalid emend. of *Gasterophilus*. [Suppressed by I.C.Z.N., 1957: 83.]

**ENTEROMYZA** Rondani, 1857: 20 (unnec. n. n. for *Gasterophilus*).

**RHINOASTROPHILUS** Townsend, 1918: 152. Type species: *Oestrus nasalis* Linnaeus, 1758, orig. des.

**ENTEROMYIA** Enderlein, 1934: 425. Type species: *Oestrus haemorrhoidalis* Linnaeus, 1758, orig. des.

**HAEMORRHOESTRUS** Townsend, 1934c: 406. Type species: *Oestrus haemorrhoidalis* Linnaeus, 1758, orig. des.

**haemorrhoidalis** Linnaeus, 1758: 584 (*Oestrus*). Not given [Sweden]; widesp. Australia, Hawaiian Is, NZ (NZ); cosmopol.

**intestinalis** De Geer, 1776: 292 (*Oestrus*). Not given [Sweden]; Norfolk I [introduced]; almost cosmopol.

**equi** Clark, 1797: 298, 326 (*Oestrus*). Suppressed by I.C.Z.N., 1957: 83. [Preocc. Fabricius, 1787.]

**nasalis** Linnaeus, 1758: 584 (*Oestrus*). Not given [Sweden]; Australia, Hawaiian Is, NZ (NZ); cosmopol.