

38. Proboscis rudimentary, palpi wanting; first posterior cell usually narrowed; tegulae usually large. *Botflies.* . . . **CESTRIDÆ**
 Proboscis not rudimentary; palpi present. 39
39. Second basal cell confluent with the discal cell; not separated by a small vein; small, mostly brilliant-colored, predaceous flies; face never broad and convex. . . . **DOLICHOROPIDÆ**
 Second basal cell separated from the discal cell by a small cross-vein (or, if not, not brilliant-colored, predaceous flies, and the face always broad and arched, *Ephydrinæ*.) . . . 40
40. Posterior basal cells of wing elongate; the anal cell closed toward the margin; first posterior cell closed or much narrowed (except sometimes in *Pipunculidæ*.) . . . 41
 Posterior basal cells of wings small; the anal cell always closed remote from the margin. 43
41. Face with sub-antennal vertical grooves or depression. (*Conopidæ*, pt.) 43
 Face convex transversely, or with a median ridge; never with a sub-antennal depression. 42
42. Between the third and fourth longitudinal veins, and sub-parallel with them, crossing the anterior cross-vein, a spurious longitudinal vein, or, when rarely not present, the first posterior cell closed a considerable distance from the border; eyes never extraordinarily large; abdomen without bristles.
STREPHIDÆ 47
 Spurious vein never present; first posterior cell never closed before the margin; eyes very large, including the largest part of the head; small species. . . . **PIPUNCULIDÆ**
43. Proboscis horny, elongate, often folding back near the middle; abdomen never with bristles; tibia without terminal spurs (or, if with them, the face with a median ridge, and the proboscis folding; first posterior cell closed or narrowed.
CONOPIDÆ
 Proboscis fleshy and not elongate, (or if elongate and slender, with or without a median hinge, the abdomen with distinct bristles, or the bristle of antennae plumose.) . . . 44
44. Tegulae large; face with sub-antennal vertical grooves or depression. (*Muscidæ calyptratae*.) . . . 45
 Tegulae small. **MUSCIDÆ ACALYPTATAE**