Key to the DEB (Dryinidae, Embolemidae, Bethylidae) genera. M. E. Archer

Key to the families of the Chrysidoidea

1A. Antenna with 10 segments.	2
1B. Antenna with 12-13 segments	

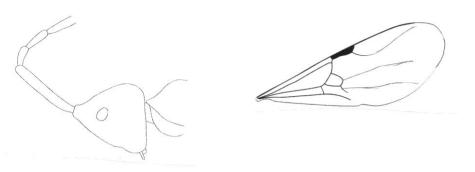


Fig. 30 – Lateral view of head and fore wing of Embolemus

2B. Head in lateral view rounded, antennae low down near the mouth. Wings, if present, with one or three enclosed cells at the base of the wing. Fore tarsus usually chelate in female, otherwise normal. (Sexes usually difficult to separate). ..**Dryinidae**

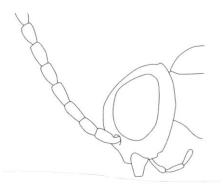


Fig. 31 - Lateral view of head of an dryinid

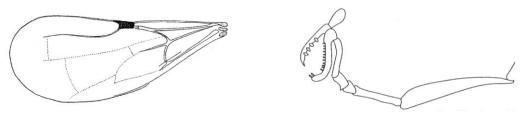
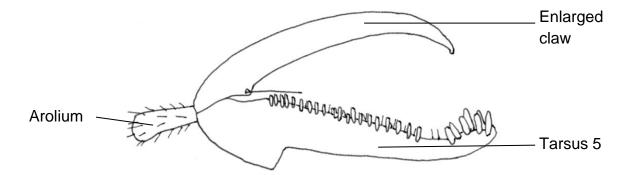


Fig. 32 - View of fore wing (Pseudisobrachium) and a chela of a dryinid

3A. Gaster with three to five visible tergites. Body, at least in part, with bright metallic colouration and strongly and coarsely punctures.
3B. Gaster with more than five visible tergites. Body dark and not metallic, and only superficially sculptured.

Key to the genera of the Dryinidae



Fig, 39 - View of chelate fore tarsus of Anteon tripartitum



Fig. 40 - View of fore wing: A - Aphelopus, B - Anteon

2A. Females	
2B. Males	

3A. Occipital ridge complete (Fig. 41). Chela without rudimentary claw. Usually fully winged, rarely short-winged.
3B. Occipital ridge absent or only visible behind ocellar triangle. Chela with rudimentary claw (may be difficult to see) (Fig.42). Fully winged or wings absent. ...6

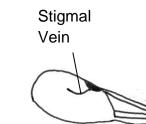
Occipital ridge Fig. 41 – View of complete occipital carina on head.

Rudimentary claw

Fig. 42 – View of chela of Dryinus niger

4A. Short wings with wings not reaching line of apex of scutellum. Mandible with three large teeth and a rudimentary tooth between the two posterior teeth. (Note with occipital ridge complete and rudimentary claw present.) (Only two male of *Mystrophorus formicaeformis* known).

5A. Distal part of stigmal vein as long as or longer than proximal part (Fig. 43A). Epienemia complete (Fig. 44), at most narrowly erased centrally. Spur of middle leg about as long as apical breath of tibia. (1 species).



А

В

Fig 43 - Views of fore wing: A - Lonchodryinus, B - Anteon

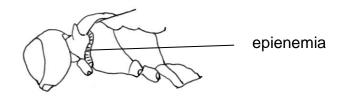
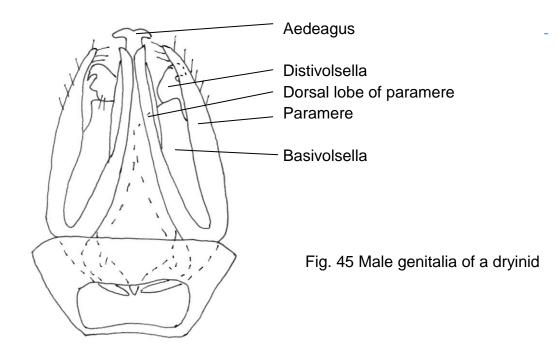


Fig. 44. View of lateral head and mesosoma to show position of epienemia

7A. Maxillary/labial/ palpal formula 2/1. (1 species, 2 records). *Haplogonatopus oratorius* Westwood, 1833
7B Maxillary/labial/ palpal formula 2/2, 3/2, 4/2, 5/2, 4/3, 5/3, 6/3, difficult to see). (9 species).

8A Occipital carina absent or only visible dorsally, absent on lateral side of head.
Mandibles with 1-3 teeth.
8B Occipital carina complete including lateral side of head. Mandibles with four teeth.
11



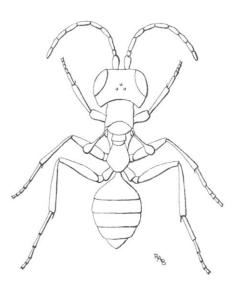


Fig.46 Dorsal view of male *Mystrophorus* formicaeformis

12A. Distal part of stigmal vein as long as or longer than proximal part (Fig 43A). Epienemia complete (Fig. 44), at most narrowly erased centrally. Epienemia complete, at most narrowly erased centrally. (1 species).

Key to the genera of the Bethylidae

1A.Fully winged species
2A. Antennae with 12 segments
3A. Fore-wings without a stigmal vein (Fig. 33A). (Outdoor and warehouse species).
3B. Fore-wings with a stigmal vein (Fig. 33B, 33D)

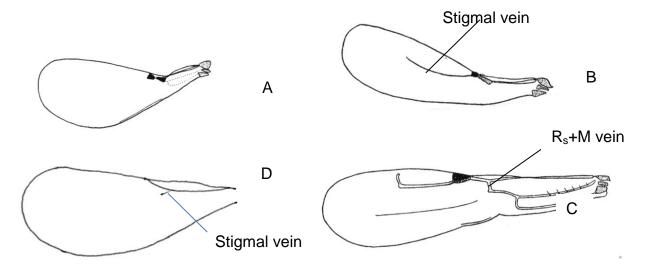


Fig. 33. View of fore wing: A – Cephalonomia, B – Plastanoxus, C – Bethylus, D - Sclerodema

5A. Fore-wing without R _s +M vein. 9Fig. 33D. (Outdoor species).
5B. Fore-wing with a R _s +M vein (Fig. 4C)6

6A. Fore-wing with R_s +M vein divided basally (Fig.34A). Face with a central carina on the clypeus strongly produced between antennal sockets (Fig. 34B). Claws with a strong basal lobe and strongly curved apically. (Outdoor species).

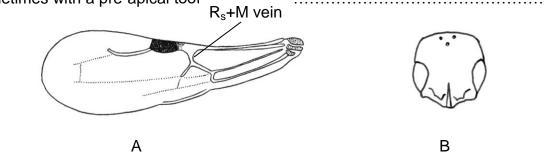


Fig. 34 – Views of Goniozus: A – Fore wing, B – Frontal face

7A. Costal cell absent (Fig. 35A). Metanotum centrally absent so that apex of mesoscutellum and base of propodeum are contiguous (Fig 36A).
7B. Costal cell present (Fig. 35B) Metanotum present centrally so mesoscutellum and propodeum are separated (Fig. 36B). (Female wingless).

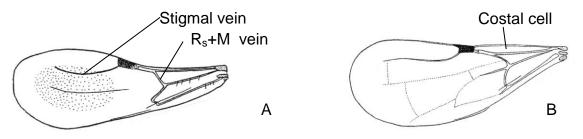


Fig. 35 – View of fore wing: A – Holepyris, B – Pseudisobrachium5

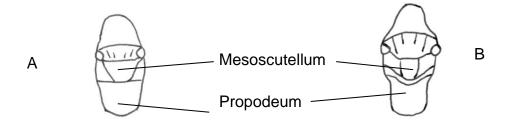


Fig. 36 – View of mesosoma: A – Epyris, B - Pseudisobrachium

8A. Fore wings with the stigma vein shorter than the R_s+M vein (Fig. 37) (Outdoor species, few records).
8B. Fore wings with the stigma vein longer than the R_s+M vein (Fig. 35A).

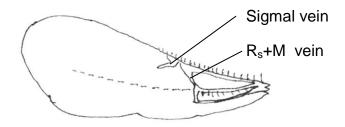


Fig. 37 - View of fore wing Laelius

10A. Eyes hairy. Scutellum with a strong anterior transverse impression. Gaster red. Claws with a preapicaltooth. (Outdoor species, 1 record).

..... Pseudisobrachium subcyaneum (Haliday, 1838)