

- b.* Base of mandible with a more or less well-developed rastellum at the apex. Spinning-mammillæ short, stout, and closely situate at the base CTENIZIDÆ (p. 5).
- B.* Tarsi with claw-tufts; inferior claw seldom present (sometimes in immature forms and in some males on tarsi iv.) THERAPHOSIDÆ (p. 13).

Sect. ARACHNOMORPHÆ (p. 42).

The plane of the articulation of the mandibles horizontal.

Pulmonary sacs two in number (except in *Hypochilus*), the second pair replaced by tracheal tubes.

A. Cribellum and calamistrum present.

- a.* Tracheal stigmata situated midway between the genital rima and the spinners. Mandibles soldered together at their base FILISTATIDÆ (p. 45).
- b.* Tracheal stigmata situated immediately in front of the spinning-mammillæ. Mandibles not soldered together basally.
- i.* Tarsal claws 3.
- a*¹. Ungual tufts present on the tarsi PSECHRIDÆ (p. 356).
- b*¹. No ungual tufts on the tarsi.
- a*². Central anterior eyes abnormally large DEINOPIDÆ (p. 359).
- b*². Central anterior eyes normal in size.
- a*³. Anal tubercle elongate, conical ULOBORIDÆ (p. 360).
- b*³. Anal tubercle short, semicircular DICTYNIDÆ (p. 357).
- ii.* Tarsal claws 2.
- a*⁴. Tarsi i. and ii. not scopulate. Ungual tuft present . . . ACANTHOCTENIDÆ (p. 354).
- b*⁴. Tarsi i. and ii. densely scopulate beneath. Ungual tuft absent ZOROPSIDÆ (p. 353).

B. Cribellum and calamistrum absent.

- a.* Tracheal stigmata (or second pair) widely separate, not migrant, situated close to the first pair (whether pulmonary or tracheal).
- a*¹. The first pair of stigmata opening on to pulmonary sacs.
- a*². Colulus present DYSDERIDÆ (p. 42).
- b*². Colulus absent OONOPIDÆ (p. 44).
- b*¹. The first pair of stigmata (as well as the second) opening on to tracheal tubes CAPONIIDÆ (p. 43).
- b.* Tracheal stigmata (or second pair) coalescent, migrant, more or less remote from the genital rima.
- aa.* Eyes 8.
- I.* Tarsus iv. without serrate bristles or single series of serrate spines.
- a*³. Posterior pair of spinning-mammillæ absent or much shorter than the anterior pair ZODARIIDÆ (p. 53).
- b*³. Posterior pair of spinning-mammillæ not shorter than the anterior pair.