

Thaumaleidae

Rüdiger Wagner (1998 Checklist: Paul H. Arnaud)

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Diagnosis: Adults are 2-5 mm long small lower Diptera (Nematocera), body dark yellow, orange to dark brown. Head small round; eyes large; ocelli missing; antenna with scapus, pedicellus and 10 segmented flagellum; palpus 5-segmented. Thorax firm; wing broad; cross-veins in the basal half of the wing. Legs short; no tibial spurs; 4th tarsal segment slightly bilobed. Abdomen with 8 segments and unrotated male terminalia. Epandrium and hypandrium laterally fused to a ring. Female cercus 1-segmented. Larvae elongate cylindrical; head hypognathous. Single prolegs on prothorax and terminal abdomen segment.

Biology: Thaumaleid larvae live in thin waterfilms on rock or organic surfaces (madicolous and hygropetric habitats like spray zones along waterfalls and streams, even road cuts); number of larval instars seemingly not fixed. Specimens feed from the biofilms of their habitats, adults do not feed. Pupae live near larval habitats but prefer « drier » situation (e.g. wet moss, mats of organic matter). Some species have a single generation while others seem to be permanent (Sternberg 1997, Wagner et al. 1998).

Nomenclature and classification: According to Wagner (2002).

Number of species: CH: 8 (1998 Checklist: 8),
AT: 20, DE: 15, FR: 23, IT: 9, Europe: ~76, World: ~300.

Level of faunistic knowledge in Switzerland: In need of improvement.

General references: Vaillant (1969, 1977, 1981), Edwards (1929), Martinovský & Rozkošný (1976).

References to the Swiss fauna: Arnaud (1998), Schmid (1951, 1958).

Checklist

Androprosopa Mik, 1898

- *larvata* (Mik, 1888) L

Thaumalea Ruthé, 1831

- *austriaca* Edwards, 1929 L

- *bezzii* Edwards, 1929 L

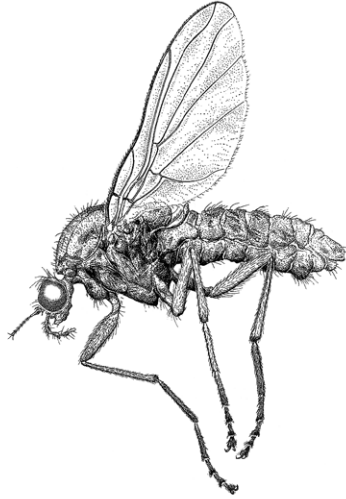
- *caudata* Bezzi, 1913 L

- *freyi* Edwards, 1929 L

- *major* Bezzi, 1913 L

- *testacea* Ruthé, 1831 L

- *valdesia* Schmid, 1951 L



Thaumalea bezzii,
male (CMPD2, p.326).

References

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