

A NEW SPECIES OF *Allodiopsis* TUOM. (DIPT.,  
MYCETOPHILIDAE) TAKEN IN BERKSHIRE

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The compound genus *Rymosia* Winn. is divided by Tuomikoski (1966) into four separate genera one of which, *Allodiopsis* Tuom., he further subdivides into four subgenera.

Species of *Allodiopsis* may be recognized as follows:—Subcosta ending in r.; medial and cubital forks with at least some dorsal macrotrichia towards the tip; r-m and the portion of m before it bare; hind margins of the abdominal tergites pale.

Whilst collecting in Wytham Wood, Berkshire on 7th August 1967, Mr D. M. Ackland took a male *Allodiopsis* which appears to belong to the subgenus *Gymnogonia* Tuomikoski but differs in several respects from the other known species of that subgenus.

*Allodiopsis ingeniosa* sp.n. ♂

**Head:** Vertex and occiput blackish-brown; face brown; clypeus ovate, brown; palpi yellow; antennae with scape, pedicel and base of first flagellar segment yellow, remainder light brown.

**Thorax:** Discal bristles fairly well developed on posterior half of scutum; propleural bristles two; thorax broadly yellow laterally and on shoulders, with broad, fused, blackish stripes, the middle one the longest and reaching the front margin; scutellum brown; postnotum brown, broadly yellow at sides; scutellar bristles two (missing in the type); pleura yellowish, the lower half of the sternopleura and especially the posterior margin of pleurotergites darkened.

**Abdomen:** Blackish-brown, segments two to five with large yellow markings which are broadest along the hind margins of the segments.

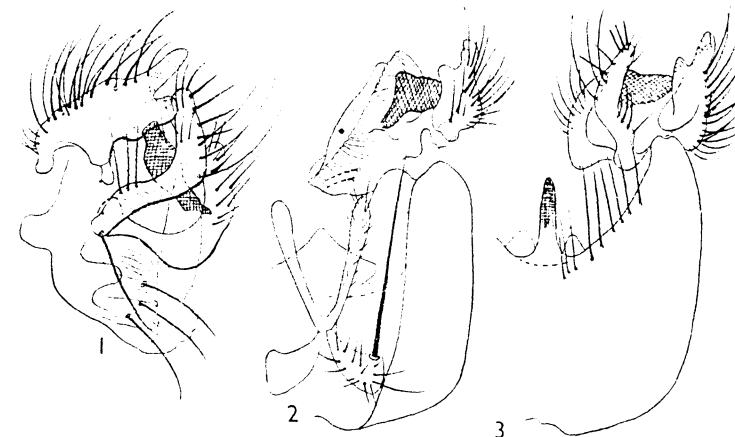
**Hypopygium:** Brown, 9th tergite with a single pair of long blunt-tipped bristles; apex of dorsal stylomere weakly bilobed and without apparent spinulae, although traces of fine striations can be seen under high magnification; ventral stylomere without a widened basal portion; sternal process fairly long and slender, not widening towards the apex.

**Legs:** Yellowish; hind coxae with a single basal bristle; front metatarsus about one sixth longer than the tibia; front tarsi simple; hind tibiae with a few small posterior bristles near the apex and with spurs about half as long as the hind metatarsus.

**Wings:** Subcosta ending in r; medial fork with macrotrichia towards the tip, also an odd macrotrichia present towards the tip of the anterior branch of the cubital fork (others may have been lost); r-m and the portion of m before it bare; halteres pale. Body length 4 mm., wing length 3 mm. ♀ unknown.

Holotype male, Wytham Wood, Berkshire, 7th August 1967

(D. M. Ackland). In Werneth Park Study Centre and Natural History Museum, Oldham, Lancashire.



Figs. 1-3. Hypopygium of *Allodiopsis ingeniosa* sp. n.  
1. Clasper from inside; 2. Dorsal aspect; 3. Ventral aspect.

Whilst agreeing in most respects with Tuomikoski's description of the subgenus *Gymnogonia* e.g. the possession of only two propleural and two strong scutellar bristles, the 9th tergite with a single pair of long blunt-tipped bristles, the above new species differs in having distinct discal bristles on the thorax, at least posteriorly, and has only a single bristle on the hind coxa. The dorsal stylomere of the hypopygium is differently shaped and the sternal process is longer and more slender.

The other British species of this subgenus are *excogitata* Dziedzicki, 1909 and *rufilatera* Edwards, 1941. Both conform to Tuomikoski's diagnosis of *Gymnogonia* possessing two basal bristles on the hind coxa and lack discal bristles on the scutum.

I am greatly indebted to my friend Mr D. M. Ackland of the Hope Department of Entomology, Oxford, for providing the genitalia drawings accompanying this description, and also for his kindness in allowing me to retain the specimen for the collection at Werneth Park Museum. I should also like to thank Prof. Tuomikoski who kindly examined the genitalia drawings of this species.

References

- EDWARDS, F. W., 1941. Notes on British Fungus-Gnats (Dipt., Mycetophilidae). *Entomologist's mon. Mag.*, **77**: 21-32, 67-82. TUOMIKOSKI, R., 1966. Generic taxonomy of the Exechini (Dipt., Mycetophilidae), *Ann. Ent. Fenn.* **32**: 159-194.

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