

World revision of the microbombyliid genus *Mythenteles* Hall & Evenhuis (Diptera: Mythicomyiidae)

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Abstract

Mythenteles Hall & Evenhuis is revised worldwide. *Mythenteles* is shown to have a disjunct Northern Hemisphere distribution. Eight new species in this genus are described and illustrated: *Mythenteles deemingi* Evenhuis, **sp. n.**, from Cyprus, *M. hellenicae* Evenhuis, **sp. n.**, from Greece, *M. hispanicola* Evenhuis & Blasco-Zumeta, **sp. n.** and *M. infrequens* Evenhuis & Blasco-Zumeta, **sp. n.** from northern Spain, *M. coptopheles* Evenhuis, **sp. n.**, *M. freidbergi* Evenhuis, **sp. n.** and *M. wadimurri* Evenhuis & Theodor, **sp. n.**, from Israel, and *M. silus* Evenhuis, **sp. n.** from the western United States. A lectotype is designated for *Empidideicus indicus* Brunetti and a key to species in the genus *Mythenteles* is presented.

Key words. Mythicomyiidae, *Mythenteles*, systematics

Introduction

Mythenteles Hall & Evenhuis was originally proposed as a subgenus of *Mythicomyia* Coquillett in a revision of that genus in the Nearctic Region (Hall & Evenhuis, 1986). Subsequent examination of specimens showed that *Mythenteles* warranted status as a separate genus with characters distinctly different from typical *Mythicomyia* — especially the male dichopticism (males holoptic in *Mythicomyia*), the apical placement of the antennal style (this placement subapical in *Mythicomyia*), and the normal shape and size of the anal lobe of the wing (this lobe keel-shaped in *Mythicomyia*). This generic status was formally proposed in Evenhuis (1991).

Examination of numerous specimens of *Mythenteles* and related taxa made available for study subsequent to the revisionary work of Hall & Evenhuis (1987) revealed that, among described species, the genus in the Nearctic was restricted to only the type species, *Mythicomyia mutabilis* Melander. The remainder of the New World species previously