

A new species of *Metelasmus* (Diptera: Streblidae: Streblinae) from southern South America

GUSTAVO GRACIOLLI¹ & CARL W. DICK²

¹Departamento de Zoologia, Universidade Federal do Paraná, 19020 Curitiba, Paraná, Brazil, CEP 81.531-980. (ggraciolli@yahoo.com.br, mingau@bio.ufpr.br)

²Department of Biological Sciences, Texas Tech University, Lubbock, TX 79409-3131 USA and Department of Zoology, Field Museum of Natural History, Chicago, IL 60605 USA. (carl.w.dick@ttu.edu)

Abstract

A new species of *Metelasmus* Coquillett, 1907 (Diptera: Streblidae: Streblinae) from *Sturnira lilium* (E. Geoffroy, 1810) (Chiroptera: Phyllostomidae: Stenodermatinae) is described. Drawings of the frontoclypeus, epiproct, gonopods, postgena, postvertex and occiputs, tergite VII, and wing are presented. Host relationships of *Metelasmus* are discussed.

Key words: bat fly, ectoparasite, *Metelasmus*, new species, *Sturnira lilium*

Introduction

Metelasmus was erected by Coquillett (1907) to accommodate one brachypterous “polyctenid-like” species, *M. pseudopterus*. This species, related to *Strebla* Kolenati, 1856, was reported from the bat *Artibeus lituratus* (Olfers, 1818) from Paraguay. *Metelasmus pseudopterus* was redescribed by Jobling (1936).

Wenzel *et al.* (1966) reported that a specimen from *Enchisthenes hartii* (Thomas, 1892) from Mexico could be a new species. Moreover, Wenzel (1976) examined 2 specimens of an undescribed species of *Metelasmus*, collected from Venezuelan *Sturnira ludovici* Anthony, 1924. However, the species was not described at that time because the specimens were badly damaged.

In this paper, we describe a new species of *Metelasmus* from *Sturnira lilium* (E. Geoffroy, 1810), captured in southeastern Brazil and eastern Paraguay.

Type fly specimens have been deposited at the “Coleção de Entomologia Padre Jesus Santiago Moure”, Curitiba, Brazil (DZUP), Museu de Zoologia da Universidade de São Paulo, São Paulo, Brazil (MZSP) and at the Field Museum of Natural History, Chicago,