



## A review of the genus *Ditylometopa* Kertész (Diptera: Stratiomyidae)

NORMAN E. WOODLEY

Systematic Entomology Laboratory, PSI, ARS, USDA, % Smithsonian Institution NHB-168, P O Box 37012, Washington, DC 20013-7012, USA. E-mail: norman.woodley@ars.usda.gov

### Abstract

The genus *Ditylometopa* Kertész (Diptera: Stratiomyidae, Clitellariinae), which occurs only in the Neotropical Region, is reviewed. *Euryneura rufifrons* Curran, 1934 is synonymized with *Ditylometopa elegans* Kertész, 1923. A neotype is designated for *D. elegans*. Two species are recognized, including *Ditylometopa centralensis* sp. nov., which is described from Costa Rica (type locality) and Nicaragua and may occur in Brazil.

**Key words:** *Ditylometopa elegans*, *D. centralensis*, new species, Stratiomyidae, Neotropical, taxonomy

### Introduction

Little is known about *Ditylometopa* Kertész, a genus of soldier flies (Stratiomyidae) in the subfamily Clitellariinae. Two species have been recognized previously (Woodley 2001), but specimens have remained rare in collections and males of the recognized taxa have not been described. Some relatively recent, intensive collecting by Malaise trapping and canopy fogging has resulted in the availability of some additional specimens, including males. The examination of male genitalia allowed for the re-evaluation of species limits in the genus.

*Ditylometopa* is related to the genera *Euryneura* Schiner, *Diaphorostylus* Kertész, *Meringostylus* Kertész, and *Quichuamyia* Brammer. Brammer & von Dohlen (2007), in a molecular phylogenetic study aimed at resolving the major lineages of stratiomyids, concentrating on the subfamily Clitellariinae, found that *Euryneura*, *Diaphorostylus*, and *Ditylometopa* formed a lineage they called the *Euryneura* clade. This supported Kertész's (1908, 1923) idea that these genera were related based on their generally similar appearance.

### Material and methods

Morphological terminology follows McAlpine (1981). Specimens examined in this study are from the American Museum of Natural History, New York, New York (AMNH); California Department of Food and Agriculture, Sacramento, California (CDFA); Instituto Nacional de Biodiversidad, Santo Domingo, Costa Rica (INBio); and the National Museum of Natural History, Smithsonian Institution, Washington, D.C. (USNM).

### Genus *Ditylometopa* Kertész

*Ditylometopa* Kertész, 1923: 114. Type species, *Ditylometopa elegans* Kertész, by original designation.