



New records of Scatopsidae (Diptera) from southeastern Mexico, and descriptions of new species of *Swammerdamella* Enderlein and *Colobostema* Enderlein

HERÓN HUERTA¹ & SERGIO IBÁÑEZ-BERNAL²

¹Lab. Entomología, Instituto de Diagnóstico y Referencia Epidemiológicos (InDRE), Carpio 470, Col. Santo Tomás, México D. F. 11340. E-mail: cerato_2000@yahoo.com

²Instituto de Ecología, A.C., Departamento de Biodiversidad y Ecología Animal, km 2.5 antigua carretera a Coatepec N° 351, Congregación El Haya 91070, Xalapa, Veracruz, México. E-mail: sergio.ibanez@inecol.edu.mx

Abstract

The following Scatopsidae species are recorded in Mexico by first time: *Parascatopse flavida* Cook, *Thripomorpha chaboti* Haenni and Rapp and *Parascatopse* sp., *Colobostema hoffmannae* **sp. nov.**, *Swammerdamella grogani* **sp. nov.**, and the female of *Parascatopse flavida* Cook are described.

Keys words: Scatopsidae, *Colobostema*, *Parascatopse*, *Swammerdamella*, *Thripomorpha*, Mexico, distribution, new species

Introduction

Family Scatopsidae has received scarce attention in the literature and remains poorly known in Mexico. Only isolated data of Mexican scatopsids are available. Cook (1967) presented records of five genera and nine species from Mexico, and more recently, Ibáñez-Bernal *et al.* (2006) included seven genera and twelve species of scatopsids in the catalogue of Mexican Diptera. Amorim (2007) recently added of new genus based on one species from Veracruz, Mexico.

A small collection of scatopsids was obtained with Malaise traps in the Special Biosphere Reserves of Ria Lagartos and Ria Celestun, in the state of Yucatan, Mexico. In this paper we present the species found, of which four are new to Mexico and two are new to science.

Material and methods

All the specimens were slide-mounted following the permanent preparation technique described by Borkent and Bissett (1990). Explanations of the taxonomic characters used here are found in Cook (1955, 1956a, b, 1981), but some general features are based following the morphological nomenclature of Amorim and Balbi (2006). Specimens were deposited in the Insects Collection (IEXA) of Instituto de Ecología, A. C. Xalapa, Veracruz, Mexico, and in the Collection of Arthropods with Medical Importance (CAIM), Mexico City, Distrito Federal, Mexico. Abbreviations of collectors: CNC: Carlos Navarro Correa, HH: Herón Huerta, PMS: Pablo Manrique Saide, RPR: Rafael Paz Rodríguez, SIB: Sergio Ibáñez-Bernal.