

A new species of the genus *Feuerborniella* Vaillant, from Mexico (Diptera: Psychodidae)

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Abstract

Feuerborniella veracruzana sp. nov., is described and illustrated based on male and female characteristics. This species belongs to a group of historically troublesome taxa. Formerly the genus *Feuerborniella* Vaillant, was considered as part of the *Threticus* genera-group under different tribes, but are now in the tribe Psychodini. The species described here fits well in this genus, and is morphologically similar to *F. plaumanni* (Duckhouse) described from Brazil.

Key words: Diptera, Psychodidae, *Feuerborniella*, moth fly, new species, Mexico

Introduction

During a faunistic study in Matzinga cave, Veracruz, Mexico, a series of six specimens of a moth fly were collected. These insects correspond to a new species in a genus not previously recorded from Mexico. The genus *Feuerborniella* Vaillant 1974, belongs to a group of troublesome taxa neglected by some authors or considered as belonging to other taxonomic categories. On the other hand, the *Threticus* group to which *Feuerborniella* belongs (Vaillant 1974), has not had a stable position in the Psychodinae classification, being mentioned under Telmatoscopini (Vaillant, 1973, 1974; Wagner, 1991) and Mormiini (Vaillant, 1990). Duckhouse (1985) more adequately places *Feuerborniella* in the tribe Psychodini.

In this report, a new species is described and information about the characteristics of the genus *Feuerborniella* are compared with related genera. We follow the nomenclature proposed by Duckhouse (1987) for some structures of the male genitalia and other terms proposed by Hogue (1973) for structures of the spermatheca complex in the female. All measurements are given in millimeters, and are expressed as: mean (range) n= number of specimens.