



Description of two new species of *Tonnoira* Enderlein from caves in the Brazilian Amazon and comments about the taxonomic status of *Tonnoira plumaria* Quate (Diptera, Psychodidae, Psychodinae)

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Abstract

Two new species of *Tonnoira* Enderlein from Brazil, *T. distincta* sp. nov., and *T. robusta* sp. nov., are described and illustrated. *Tonnoira plumaria* Quate is transferred to the genus *Platyplastinx* Enderlein.

Key words: Diptera, Psychodidae, *Tonnoira*, new species, new combination, Brazil

Introduction

Tonnoira Enderlein, 1937 includes seventeen species and is known from ten countries in the Neotropical region: Nicaragua, Costa Rica, Panama, Ecuador, Peru, Bolivia, Surinam, French Guiana, Venezuela, and Brazil (Wagner 1981, Quate 1996, 1999, Bravo & Chagas 2004, Quate & Brown 2004). Eight species of *Tonnoira* were previously known from Brazil, five from the Amazonian region (*T. bifurcata* Quate & Brown, 2004, *T. castanea* Quate & Brown, 2004, *T. mirabilis* Wagner, 1981, *T. rapiformis* Quate & Brown, 2004, and *T. rectilata* Quate, 1999) and three from Bahia State in northeastern Brazil (*T. bifida* Bravo & Chagas, 2004, *T. longipennis* Bravo & Chagas, 2004, *T. magna* Bravo & Chagas, 2004). Moreover, only one species of *Tonnoira*, *T. cavernicola* Quate & Brown, 2004, was previously collected in a cave. This species is known from Bolivia and French Guiana and specimens collected from the former were found in a cave that was inhabited by a bird colony (Quate & Brown 2004). In this work, two new species of *Tonnoira* collected from caves in the Brazilian Amazon are described and the taxonomic status of *Tonnoira plumaria* Quate, 1996 is discussed.

Materials and methods

Specimens of *Tonnoira* were collected by CDC light traps set in caverns and preserved in 70% ethanol. All caverns are located in the municipal district of Presidente Figueiredo, state of Amazonas, 107 Km from Manaus. All specimens examined were treated with 10% KOH and mounted in Canada balsam. General descriptive terminology follows that of McAlpine (1981). Terminology specific to Psychodidae follows Duckhouse (1990), Bravo (2006) and Curler & Moulton (2008). Specimens were deposited in the *Coleção de Invertebrados do Instituto Nacional de Pesquisas da Amazônia, Manaus, Amazonas, Brazil* (INPA) and *Coleção Entomológica Prof. Johann Becker do Museu de Zoologia da Universidade Estadual de Feira de Santana, Feira de Santana, Bahia, Brazil* (MZUEFS).