



New records of *Tonnoira* Enderlein (Diptera, Psychodidae, Psychodinae) from the Brazilian Amazon with descriptions of two new species

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Abstract

Diagnoses and illustrations are given for *Tonnoira bitalea* Quate. This species is recorded from Brazil for the first time based on material collected from the state of Amazonas, Ipixuna, Rio Gregório. *T. spina* **sp. nov.** and *T. tripenis* **sp. nov.** are described and illustrated based on specimens collected from the same locality.

Key words: Neotropical, moth fly, taxonomy, distribution

Introduction

Tonnoira Enderlein, 1937 includes nineteen species currently known only from the Neotropical region (Bravo, Chagas & Alves 2008). Ten species of *Tonnoira* have previously been collected in Brazil: *T. bifurcata* Quate & Brown, 2004, *T. castanea* Quate & Brown, 2004, *T. distincta* Bravo, Chagas & Alves, 2008, *T. mirabilis* Wagner, 1981, *T. rapiformis* Quate & Brown, 2004, *T. rectilata* Quate, 1999 and *T. robusta* Bravo, Alves & Chagas, 2008 from the Amazonian region; *T. bifida* Bravo & Chagas, 2004, *T. longipennis* Bravo & Chagas, 2004 and *T. magna* Bravo & Chagas, 2004 from northeastern Brazil. In this paper, two new species from the Brazilian Amazon are described and *T. bitalea* Quate, 1999 is recorded from Brazil for the first time.

Material and methods

Specimens were collected in Malaise traps set in the state of Amazonas (Ipixuna, Rio Gregório community Lago Grande). All specimens examined were treated with 10% KOH, washed in water, neutralized and stained with 10% acetic acid with 10% fucsin acid, dehydrated with 70% alcohol and 96% alcohol, treated with phenol and mounted in Canada balsam. Descriptive terminology follows Cumming and Wood (2009). Specimens are housed in the Coleção de Invertebrados do Instituto Nacional de Pesquisas da Amazônia (INPA), Manaus, Amazonas, Brasil. Information presented within parentheses is complementary data absent from holotype labels.

Taxonomy

Tonnoira bitalea Quate

(Figs. 1–7)

Tonnoira bitalea Quate, 1999: 429, Fig. 5J–K.

Material examined. BRASIL, Amazonas, Ipixuna, Rio Gregório com[munity] Lago Grande, 07°10'11.7" S 70°49'10.3" W, 18–20.v.2011, Malaise [trap], J.A. Rafael, J.T. Câmara, F. Silva, A. Somavilla, C. Gonçalves leg. (♂ INPA).