



Three new species of Leptohyphidae (Insecta: Ephemeroptera) from Central Amazon, Brazil

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Abstract

Three new species of Leptohyphidae are described based on adults and/or nymphs collected in Manaus (Reserva Florestal Adolpho Ducke) and Presidente Figueiredo municipality: *Tricorythodes faeculopsis* **sp. nov.**, *Tricorythopsis acara* **sp. nov.** and *T. intercalatus* **sp. nov.** With this work, the number of Leptohyphidae in Brazil increases from 35 to 38 species.

Key words: Ephemeroptera, *Tricorythopsis*, *Tricorythodes*, Adolpho Ducke Florestal Reserve, Presidente Figueiredo

Resumo

Três novas espécies de Leptohyphidae são descritas com base em adultos e/ou ninfas coletadas em Manaus (Reserva Florestal Adolpho Ducke) e no município de Presidente Figueiredo: *Tricorythodes faeculopsis* **sp. nov.**, *Tricorythopsis acara* **sp. nov.** and *T. intercalatus* **sp. nov.** Com este trabalho, o número de Leptohyphidae no Brasil aumenta 35 para 38 espécies.

Palavras-chave: Ephemeroptera, *Tricorythopsis*, *Tricorythodes*, Reserva Florestal Adolpho Ducke, Presidente Figueiredo

Introduction

The mayfly family Leptohyphidae (Insecta: Ephemeroptera) is represented by approximately 140 species (Barber-James *et al.* 2008), of which 35 are known from Brazil, where the greatest diversity occurs. The family is composed of 12 genera, seven of which occur in Brazil: *Amanahyphes* Salles & Molineri, *Leptohyphes* Eaton, *Leptohyphodes* Ulmer, *Macunahyphes* Dias, Salles & Molineri, *Traverhyphes* Molineri, *Tricorythodes* Ulmer and *Tricorythopsis* Traver (Salles *et al.* 2010).

In Northern Brazil there are six known species of Leptohyphidae: *Amanahyphes saguassu* Salles & Molineri, 2006; *Leptohyphes populus* Allen, 1973; *Macunahyphes australis* (Banks 1913); *Tricorythodes rondoniensis* Dias, Cruz & Ferreira, 2009; *Tricorythopsis bahiensis* Dias, Salles & Ferreira, 2008; and *Tricorythopsis yucupe* Dias, Salles & Ferreira, 2008. The objective of this paper is to describe three new species of Leptohyphidae, based on adults and/or nymphs collected in Amazonas state, Brazil.

Material and methods

Specimens were collected in Manaus (Reserva Florestal Adolpho Ducke) and Presidente Figueiredo municipalities in October 2009 and March, April and September of 2010. Nymphs were collected in streams using an aquatic