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New species and first records of *Macunahyphes* Dias, Salles & Molineri, 2005 (Ephemeroptera: Leptohiphidae) from Bahia state, Brazil

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Abstract. A new species of *Macunahyphes* Dias, Salles & Molineri (Leptohiphidae) is described based on male imagos collected in the Michelin Ecological Reserve, Igrapiúna, Bahia state, Brazil, located in a preserved area of Atlantic Forest. The male of the new species can be distinguished from all congeners by the shape of the penes, which have a pair of unusual spines, and are elongated with lateral hook-shaped projections distributed from the base to the middle region. This new species represents the first record for the genus from Bahia State.

Key words: Aquatic insect, Mayfly, taxonomy, Neotropics

Introduction

In South America Leptohiphidae (Ephemeroptera) is composed of twelve genera: *Allenhyphes* Hofmann & Sartori, 1999; *Amanahyphes* Salles & Molineri, 2006; *Haplohyphes* Allen, 1966; *Leptohiphodes* Eaton, 1882; *Leptohiphodes* Ulmer, 1920; *Lumahyphes* Molineri, 2004; *Macunahyphes* Dias, Salles & Molineri, 2005; *Traverhyphes* Molineri, 2001; *Tricorythodes* Ulmer, 1920; *Tricorythopsis* Traver, 1958; *Vacupernius* Wiersema & McCafferty, 2000, and *Yaurina* Molineri, 2001.

Among them, seven are recorded from Brazil, and until now just *Macunahyphes* and *Leptohiphodes* were not recorded from the Northeast (Cruz *et al.* 2011). The genus *Macunahyphes* was proposed by Dias *et al.* (2005) to include *Tricorythodes australis* Banks, 1913. Nowadays the genus is composed of three species described from South America: *Macunahyphes australis*, *M. pemonensis* Molineri *et al.*, 2011 and *M. incognitus* Molineri *et al.*, 2011.

In the present paper, a new species of *Macunahyphes* is described based on male imagos collected in the Pacangê River, Michelin Ecological Reserve, Igrapiúna, Bahia state, Brazil. The reserve is located in an important preserved area of Atlantic Forest. This new species is the first record of the genus from Bahia State, Northeastern Brazil.

Material and methods

The adults were collected with a light trap. The material used in this study is preserved in 80% ethyl alcohol. Male legs and genitalia structures were dissected and mounted on slides in Euparal®; wings were mounted dry. The specimens are deposited in the following institutions: Museu de Zoologia, Universidade de São Paulo, Brazil (MZUSP) and Coleção Zoológica Norte Capixaba, Universidade Federal do Espírito Santo (CZNC), São Mateus, Brazil. Pictures were taken using a Leica M165C stereomicroscope with a digital camera with automontage image software. Drawings were made with the aid of a camera lucida and Adobe Illustrator CS5® software.