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Neotropical *Hemerodromia* Meigen (Diptera: Empididae), a world of discovery II: New species from Atlantic forest, Brazil

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Abstract

Eight new species of *Hemerodromia* Meigen are described from the Brazilian Atlantic forest, *H. brevicercata* sp. nov., *H. carioca* sp. nov., *H. cornuhypandryalis* sp. nov., *H. megalamellata* sp. nov., *H. membranosa* sp. nov., *H. mourai* sp. nov., *H. cummingi* sp. nov., and *H. ubajaraensis* sp. nov. are described and illustrated. This is the first record of the genus from the Brazilian southeast and northeast.

Key words: Empidoidea, Hemerodromiinae, Brazilian Atlantic forest, Neotropical Realm, taxonomy

Introduction

This work continues the description of the diversity of *Hemerodromia* Meigen in the Neotropical Realm. The genus has been characterized by Sinclair & Cumming (2006) and Plant (2007). *Hemerodromia* has 155 described species distributed around the world (Yang *et al.* 2007; Câmara *et al.* 2014; Ivković *et al.* 2014). In the Neotropical Realm, 26 species had been recorded, the majority from the Brazilian Amazon Basin (Câmara *et al.* 2014). Herein we describe eight new species from the Brazilian Atlantic forest, providing the first records of the genus from the Brazilian southeast and northeast.

Material and methods

This study is based on the examination of specimens housed in Instituto Nacional de Pesquisas da Amazônia (INPA), Manaus, Amazonas, Brazil and Coleção Zoológica do Maranhão (CZMA), Caxias, Maranhão, Brazil. Species with long series of representatives will be distributed in the Museu Nacional do Rio de Janeiro (MNRJ), Rio de Janeiro, Brazil and National Museum of Wales in Cardiff (NMWC), Cardiff, UK. The specimens were collected mainly by sweeping vegetation close to streams and by Malaise traps.

Dissected structures were macerated in hot 85% lactic acid (Cumming 1992) and examined on excavated slides. Wings were mounted on a microslide and terminalia were placed in a microvial with glycerin, and both were pinned with their associated specimen. Morphological terms are essentially those of Cumming & Wood (2009).

Morphological abbreviations used here are the same as in Câmara *et al.* (2014). The holotype label data is cited in full after the description, with original spelling and punctuation. Data from each label is enclosed by quotation marks (“ ”). Information presented within square brackets is complementary data not present on the labels.