



Article

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A new species of *Brachygasterina* Macquart from Colombia, and description of the males of *B. stuebeli* Röder and *B. muisca* Soares & Carvalho (Diptera: Muscidae)

SANDRA PÉREZ^{1,3}, MARTA WOLFF¹ & CLAUDIO J. B. DE CARVALHO²

¹Laboratorio de Colecciones Entomológicas, Universidad de Antioquia, AA. 1226, Medellín, Colombia. E-mail: sapareja@yahoo.es

²Department of Zoology, Universidade Federal do Paraná, Postal box 19020, Curitiba, 81531–580, Brazil. E-mail: cjbcarva@ufpr.br

³Corresponding author

Abstract

Here we describe the new species *Brachygasterina setulosa* Pérez, Wolff & Carvalho, **sp. nov.** from Colombia, Cundinamarca Department, Parque Nacional Natural Sumapaz, at 3560 m above sea level. Descriptions of males of *B. stuebeli* (Röder) and *B. muisca* Soares & Carvalho are also included. Currently, 11 species of *Brachygasterina* Macquart are known from South America, six of which occur in the highlands of Ecuador, Colombia and Venezuela.

Key words: Azeliinae, Reinwardtiini, South American highlands, taxonomy

Resumen

Se describe una nueva especie, *Brachygasterina setulosa* Pérez, Wolff & Carvalho, **sp. nov.**, colectada en el Departamento de Cundinamarca, Parque Nacional Natural Sumapaz, 3560 msnm, Colombia. También se incluyen las descripciones de los machos de *B. stuebeli* (Röder) y *B. muisca* Soares & Carvalho. Actualmente son conocidas 11 especies de *Brachygasterina* Macquart para América del Sur, seis de las cuales se encuentran en las tierras altas del Ecuador, Colombia y Venezuela.

Palabras claves: Azeliinae, montañas altas de Sur América, Reinwardtiini, taxonomía

Introduction

The genus *Brachygasterina* Macquart was described from *B. violaceiventris* Macquart, which is found in Chile and Argentina (Macquart 1851). In the early twentieth century an additional three species were described from Chile and Argentina (Malloch 1922, 1934) and recently several species were described from Chile, Ecuador, Colombia and Venezuela (Pamplona & Couri 2000, de Carvalho & Pont 2006, Couri *et al.* 2007, Soares & de Carvalho 2007). Most species of *Brachygasterina* are dark-brown, with metallic colors that may be blue, bluish-purple or greenish-blue. The eye has short or long hairs and the postpedicel is generally strongly dilated. For a general diagnosis of the genus and species, and a key to identify all species, see Soares and de Carvalho (2007). The sister-group of *Brachygasterina* is *Palpibracus* Rondani (Azeliinae, Reinwardtiini), a genus found only in Chile and Argentina. The phylogeny and biogeographic patterns of species in the genus *Brachygasterina* were examined in de Carvalho and Pont (2006).

A new species of *Brachygasterina* from the Andean highlands in Colombia is herein described. We also provide the first descriptions for males of *B. stuebeli* (Röder) and *B. muisca* Soares & Carvalho.