



Five new species of *Buenoa* (Hemiptera: Heteroptera: Notonectidae) from Colombia

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Abstract

The study describes five species of the genus *Buenoa*, *B. tumaquensis*, *B. anomala*, *B. dactylis*, *B. burtsa*, and *B. prosthetus*, from the Pacific Coast of Colombia. A key to determine the species of the genus in Colombia is provided.

Key words Notonectidae, *Buenoa*, new species, aquatic insects, tropical South America, Pacific Coast of Colombia

Introduction

The genus *Buenoa* has approximately 58 species, and is restricted to the Western Hemisphere. Most of the species live in aquatic ecosystems of low altitude in tropical South America. Among the most important works are Truxal (1953, 1957), Nieser (1970, 1975), Nieser and Pelli (1994); other works that also include species from Colombia are: Roback and Nieser (1974), Padilla-Gil and Nieser (1992), and Padilla-Gil (2002, 2003). This work describes five new species: *B. tumaquensis*, *B. anomala*, *B. dactylis*, *B. burtsa*, and *B. prosthetus*. A key to determine the species *Buenoa* in Colombia is presented.

Buenoa feed on mosquito larvae, and other aquatic organisms; they are therefore of medical importance.

All species were collected in artificial pools, surrounded by vegetation, on the Pacific coast of Colombia in Tumaco (Nariño). Tumaco is located in the plain of the Pacific, at zero meters of altitude; the annual average air temperature is 26.2 °C, and the annual average precipitation is 2.191 mm. These species are found in the tropical humid forest.

Material and methods

All measurements are in mm. The following word abbreviations are used in the text: brachypterous (brach), macropterous (macr), male (M), female (F).

Deposition of specimens: Colección de Entomología del Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Bogotá (ICN); Colección de la Universidad de Nariño, Pasto, Colombia (PSO–CZ); Padilla Collection, Bogotá, Colombia (CP).

Taxonomy

Buenoa tumaquensis sp. n.

Type material. HOLOTYPE, braq ♂, allotype braq ♀: COLOMBIA, Nariño, Tumaco, Finca Mar Agrícola, Universidad de Nariño, 0–3 m, 3 October 2007, leg. D. Padilla, (ICN). PARATYPES, same data as holotype,