



## Two new species of *Buenoa* (Hemiptera: Heteroptera: Notonectidae) from Colombia, with a key to the species in Colombia

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### Abstract

*Buenoa penta* sp. n. and *Buenoa analoga* sp. n., are described from Tumaco municipality on the Pacific coast of the Department of Nariño. A key to species of *Buenoa* in Colombia is given.

**Key words:** new species, aquatic insects, tropical South America, south-west Colombia

### Introduction

The genus *Buenoa* Kirkaldy is restricted to the Western Hemisphere and comprises approximately 67 species, of which 16 are known from Colombia. Two new species are described here: *Buenoa penta* sp. n. and *Buenoa analoga* sp. n. These two new species and six congeners (see Padilla-Gil 2010 a, b) occur in the lakes of the Mar Agrícola estate in the Department of Nariño, which lies within the Chocó biogeographical region.

*Buenoa penta* sp. n. and *Buenoa funensis* Padilla-Gil are two species of large size in Colombia, whose males measure more 8.5 mm in length; this is characteristic of other five other species from South America, *B. antigone* Kirkaldy, *B. ida* Kirkaldy, *B. femoralis* Kirkaldy, *B. machrisi* Truxal, and *B. oreia* Nieser, Melo, Pelli & Barbosa (see Nieser *et al.* 1997, Padilla-Gil 2010c).

### Material and methods

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

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).

### Taxonomy

#### *Buenoa penta* sp. n.

**Type material.** HOLOTYPE, ♂, allotype ♀: COLOMBIA, Nariño, Tumaco, Finca Mar Agrícola, lake eight, Universidad de Nariño, 10 m, 17 November 2010, leg. D. Padilla, (ICN). PARATYPES, same data as holotype, of these the following have been distributed: 8 ♂, 8 ♀ (ICN), 8 ♂, 8 ♀ (PSO-CZ).

Macropterous form. Dimensions. Length ♂ 8.80, ♀ 8.80; greatest body width ♂ 1.88; ♀ 1.92. Brachypterous form, length ♂ 8.26, ♀ 8.20; greatest body width ♂ 1.84; ♀ 1.92. Width of head ♂ 1.52–1.56 and ♀ 1.52.

**Color.** Body generally bright white with dark eyes. Abdominal venter black except orange keel and portions of connexivum; abdominal dorsum white with abdominal apex black in males and yellow in females.