



Two new species of *Rhagovelia* from Colombia (Hemiptera: Heteroptera: Veliidae) with revised keys to the Colombian species in the *torquata* and *robusta* groups

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Abstract

Two new species of the *Rhagovelia* in the *torquata* and *robusta* species groups, *R. divisoensis* sp. n. and *R. victoria* sp. n., are described and compared with other allied species. *Rhagovelia divisoensis* sp. n. constitutes the first record of the *torquata* group from Colombia. A nomenclatural note is also presented correcting the orthography of *R. narinensis*.

Key words: tropical South America, riffle bugs, small water striders, key to species

Introduction

In the present paper, *Rhagovelia divisoensis* sp. n. is described and placed in the *torquata* group as defined by Polhemus (1997). The species in this group are characterized by having the antennal segment I evenly curved (Fig. 1), and the armature of male hind leg with the femur bearing a slightly modified ventral spine row (Fig. 2) and the tibia with small teeth (Fig. 2). Another distinctive synapomorphy for this group is the presence of glabrous channels in the ventral sutures of the abdomen (see Polhemus 1997).

There are now five species in the *torquata* group: *Rhagovelia abrupta* Gould, 1934, *Rhagovelia pacayana* Drake and Carvalho, 1955, *Rhagovelia torquata* Bacon 1956, and *Rhagovelia trista* Gould, 1934, distributed in the Andes from Ecuador through Peru to Bolivia. *Rhagovelia divisoensis* sp. n., collected on the western slope of the Cordillera Occidental, represents the first record of the group for Colombia. A revised key for determination of the species in the *torquata* group from South America is also provided.

The other new species described herein is *Rhagovelia* a member of the *robusta* group, collected in Caribbean region of northern Colombia. Eight species have been previously described in this group, occurring in the Andean and Pacific regions of Colombia (see Padilla-Gil 2011). A key for determining the species of the *robusta* group occurring in Colombia is again provided.

Material and methods

All measurements are in mm. The following word abbreviations are used in the text: apterous (apt), macropterous (macr); forewing venation, subcosta (Sc); radius + media + cubitus (R+M+Cu). Length- width (L-W).

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).