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Artículo

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***Amblyomia gonzalezi*, a new species of Anisoscelini (Hemiptera: Heteroptera: Coreidae: Coreinae) from Colombia**

***Amblyomia gonzalezi*, una nueva especie de Anisoscelini (Hemiptera: Heteroptera: Coreidae: Coreinae) de Colombia**

Harry Brailovsky and Ernesto Barrera

Departamento de Zoología, Instituto de Biología UNAM, Apartado Postal 70153, Ciudad de México, 04510, México. HBA: e mail: coreidae@ib.unam.mx. ORCID: <https://org/0000-0001-7456-5678>; EBV: e mail: ernesto.barrera@ib.unam.mx. ORCID: <https://org/0000-0001-8276-2553>

ABSTRACT

A new species, *Amblyomia gonzalezi* sp. nov., collected in Colombia is described. A key to all known species within the genus is included. Detailed photographs of adults in dorsal and lateral habitus are provided.

Key words: Insecta, true bugs, *Amblyomia*, new species, Neotropical region.

RESUMEN

Una nueva especie, *Amblyomia gonzalezi* sp. nov., colectada en Colombia es descrita. Se incluye una clave para todas las especies incluidas dentro del género. Se proveen fotografías detalladas de adultos en vista dorsal y lateral.

Palabras clave: Insecta, chinches verdaderas, *Amblyomia*, nueva especie, región Neotropical.

The Neotropical genus *Amblyomia* Stål contains 3 species, *A. bifasciata* Stål, 1870 from Mexico and *A. foreroi* Brailovsky, 1998 and *A. promecephops* Brailovsky, 1998 from Colombia. The genus was considered as *Incertae Sedis* until Brailovsky (1998) included it on the tribe Leptoscelini now recognized as junior synonymy of the tribe Anisoscelini. On the same paper, Brailovsky provided a key to all species and included a generic redescription with detailed species distributions (Coreoidea Species File 2022; ITIS 2022; Fernandes et al., 2015; Packauskas 2010).

In this contribution, we describe a new species from Colombia, which represent the third finding of the genus in that region. A detailed diagnosis, description, key, and overall images of new and previously known species are provided to distinguished them from each other.

This paper is written in honor of M. C. Enrique Gonzalez Soriano (UNAM), in recognition of his contributions to taxonomy and behavior on the order Odonata.

MATERIALS AND METHODS

The following abbreviations are used for the institutions cited here: Muséum National d'Histoire Naturelle, Paris, France (MNHN) and Instituto de Biología, Universidad Nacional Autónoma de México (UNAM). The measurements were obtained using eyepiece micrometer. All measurements are in mm. External structures were studied with a stereoscopic microscope (Zeiss Stereo Discovery 8). Pictures were taken and retrieved with a Nikon D200 camera.

TAXONOMY

***Amblyomia gonzalezi* sp. nov.**

Figures 3, 7

<http://zoobank.org/71050542-2ACA-4451-AD21-D478F32B2BA3>

Type locality. Colombia, Chiriqui.

Type material. HOLOTYPE: male, COLOMBIA: Chiriqui, coll. Noualhier, 1898 (no additional data).

Diagnosis. This species is easily recognized from others by the combination of next characteristics: buccula, rostral segment I and posterior margin of mesopleura black; posterior margin of pronotal disk, acetabulae, and posterior margin of propleura and metapleura shiny reddish orange; and pronotal disk black with humeral angles, posterior margin and arcuate transverse fascia shiny reddish orange.

Description.

Male (holotype). Overall body color black shining. **Dorsal coloration.** Head black with short dull orange stripe below eye and external to ocelli; antennal segments I-IV black; pronotum with following areas shiny reddish orange: humeral angles visible distinguished, posterior margin and narrow arcuate transverse fascia over pronotal disk; collar dorsally with tiny red reflections; scutellum, clavus and hemelytral membrane black; corium black with wide shiny reddish orange transverse fascia near middle third; connexival segments III-IV shiny reddish orange with anterior third black, V-VI shiny reddish orange with inner anterior margin black, and VII black; abdominal segments III-VII black.

Ventral coloration. Head black; buccula and rostral segments I-IV pale brown; pro-, meso-, and metasternum

black; propleura and metapleura black with acetabulae, and posterior margin shiny reddish orange; mesopleura black only with acetabulae shiny reddish orange; metathoracic peritreme and legs black; abdominal sterna shiny black, posterior margin shiny reddish orange and midline of abdominal sterna shiny black; pleural abdominal margin III with anterior half black and posterior dull orange, IV-VI shiny reddish orange, and VII with anterior half shiny black and upper border of posterior shiny reddish orange; genital capsule shiny black.

Structure. Head elongate, pentagonal, non-declivous, and produced forward between bases of antennae; tylus blunt, forming rounded elevate ridge, slightly projecting beyond juga; antenniferous tubercles unarmed, widely separated; antennal segment I shorter than head, thicker, slightly curving, II-III cylindrical, IV fusiform; area between eyes slightly convex; buccula short, unarmed, not extending beyond antenniferous tubercles; rostrum reaching posterior third of metacoxae. Thorax. Pronotum shape trapeziform, gradually declivous; collar wide; anterolateral borders obliquely rounded and entire; frontal and humeral angles rounded, not exposed; posterolateral and posterior borders straight, entire; disk deeply punctate; callar region smooth. Ventrally smooth, except acetabulae, anterior and posterior margin of propleura, posterior margin of mesopleura and metapleura, deeply punctate. Legs. Femora ventrally armed (hind femur broken). Scutellum triangular, flat, apex subacute and disc punctate. Hemelytra macropterous, extending beyond apex of last abdominal segment; costal margin emarginated; apical margin weakly sinuate; clavus and corium deeply punctate. Abdomen. Posterior margin of connexival segments complete, without short spine. Male genitalia. Genital capsule simple; posteroventral margin with a shallow median notch.

Measurements (holotype). Body length 16.18 mm (male). Head: length 2.35 mm; width across eyes 1.95 mm; interocular space 1.12 mm; preocular distance 1.42 mm; interocular distance 0.64 mm; antennal length, 1.75 mm (segment I), 2.51 mm (segment II), 2.15 mm (segment III), 2.78 mm (segment IV). Pronotal length 2.95 mm; width across humeral angles 4.55 mm. Scutellar length 1.79 mm; width 1.85 mm.

Discussion. *Amblyomia gonzalezi* sp. nov., (Figs. 3, 7) is similar on body form to *A. bifasciata* Stål (Figs. 1, 5) and *A. foreroi* Brailovsky (Figs. 2, 6) with buccula black to reddish brown, and rostral segment I black. Despite resemblance, *A. bifasciata* has the acetabulae and posterior margin of pronotal disk black and collar white to yellow, on other two species the acetabulae and posterior margin of pronotal disk are yellow to shiny reddish orange, and collar black. In addition *A. gonzalezi* shows head ventral and mesopleura black, corium with wide reddish orange transverse fascia, and pleural margins of abdominal sterna V-VI entirely shiny reddish orange. In contrast, *A. foreroi* possesses a head ventrally dark orange, mesopleura mostly yellow, corium black without yellow or reddish orange

transverse fascia and pleural margins of abdominal sterna V-VI black with posterior margin yellowish orange.

Female. Unknown.

Distribution. Known only from the type locality, Chiriqui (Colombia).

Etymology. It is a pleasure to dedicate this new species after Enrique Gonzalez Soriano (UNAM) a distinguished Mexican Odonatologist and confident friend of authors along years. Gender masculine.

Key to the known species of *Amblyomia*

Note: taken and modified from Brailovsky (1998)

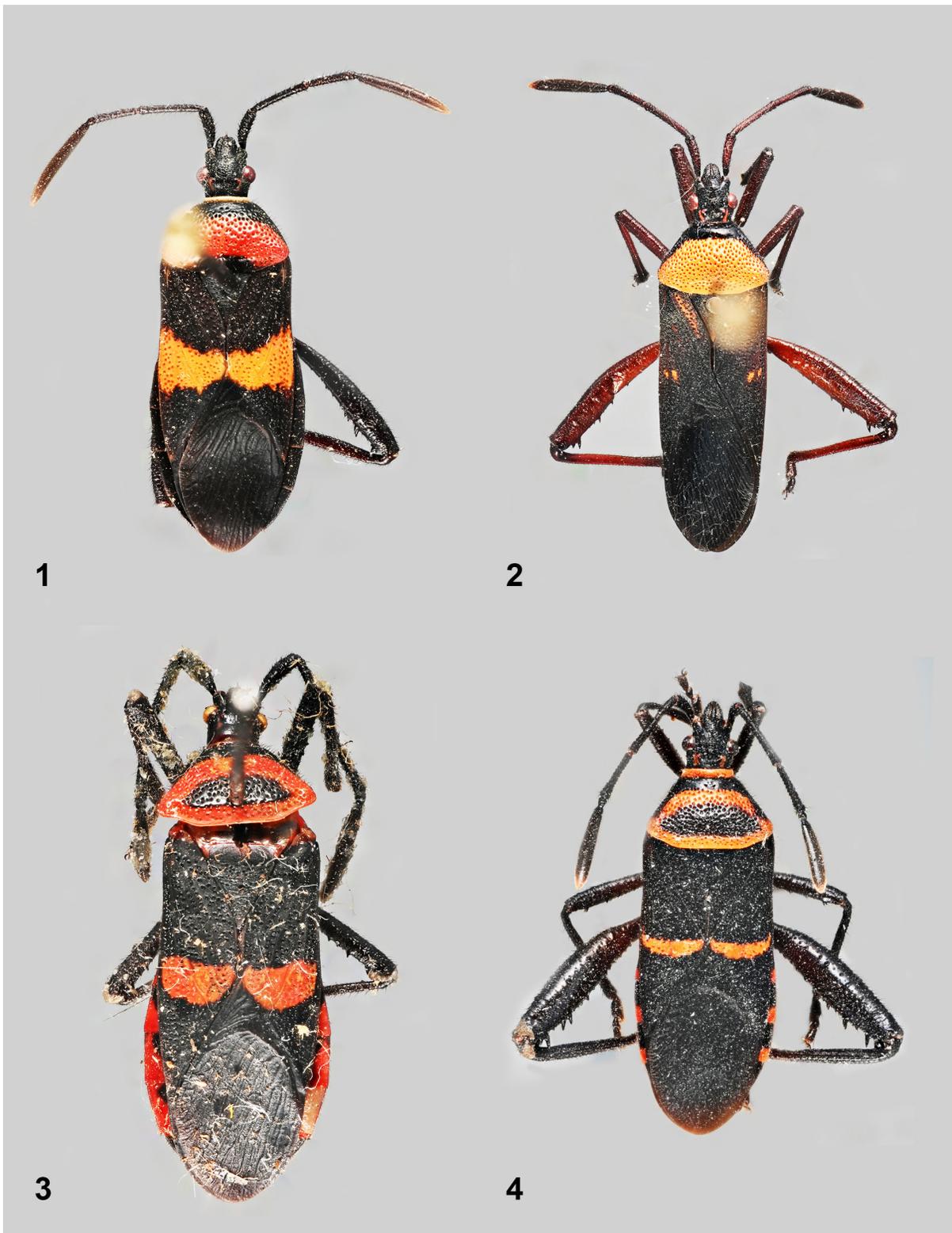
1. Buccula and rostral segment I shiny yellowish orange; collar entirely yellowish orange (Figs. 4, 8)
..... *A. promecephala* Brailovsky
- Buccula black to reddish brown; rostral segment I and collar black..... 2
2. Acetabulae black; posterior margin of pronotum black (Figs. 1, 5) *A. bifasciata* Stål
- Acetabulae orange to shiny reddish orange; posterior margin of pronotum yellow or shiny reddish orange 3
3. Pronotal disk mostly yellow; humeral angles poorly developed; corium without yellow or orange transverse fascia (Figs. 2, 6) *A. foreroi* Brailovsky
- Pronotal disk center black with anterior and posterior margin having narrow fascia shiny reddish orange; humeral angles well developed; corium with wide shiny reddish orange transverse fascia (Figs. 3, 7) *A. gonzalezi* sp. nov.

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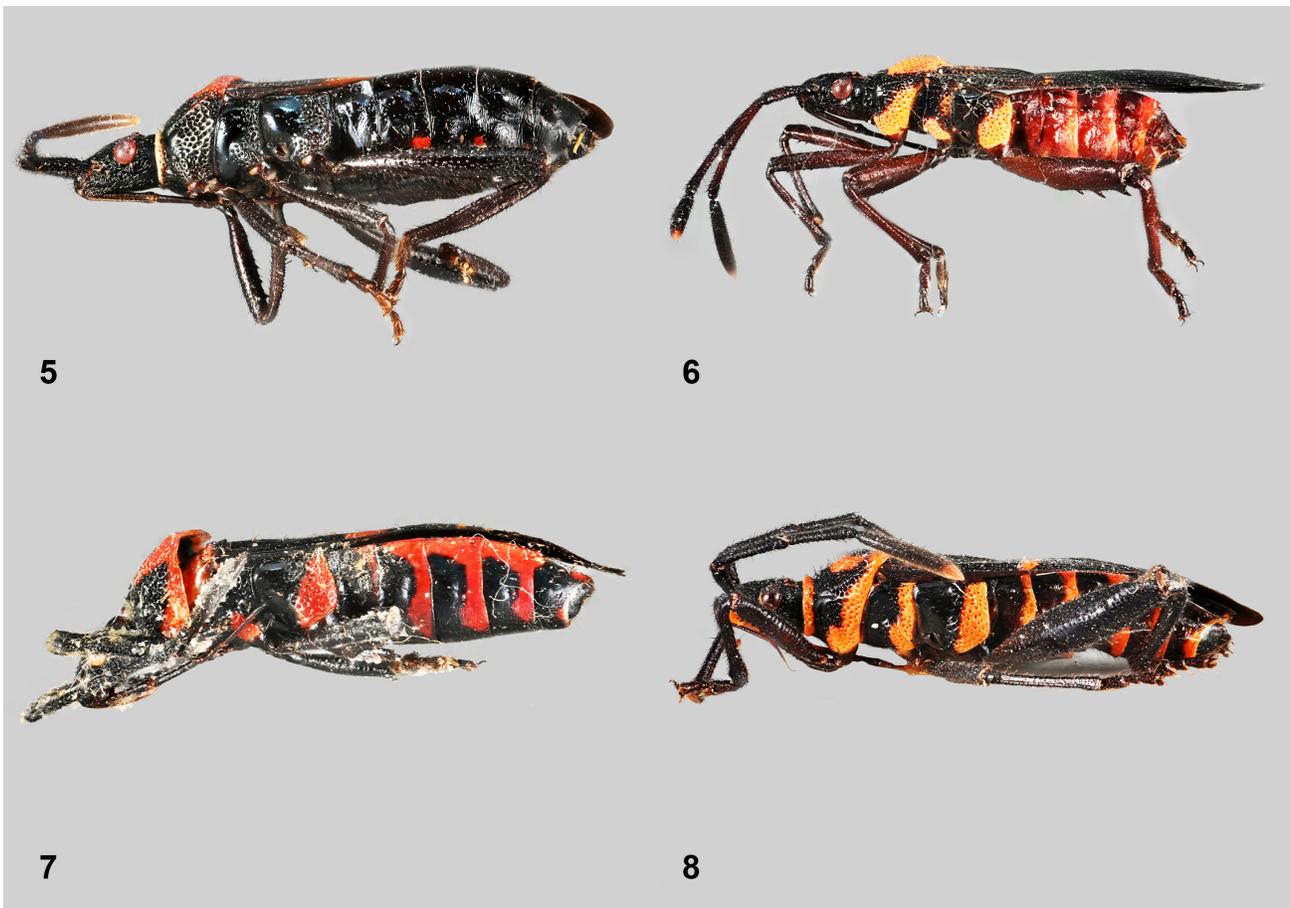
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Figures 1–4. Dorsal view of *Amblyomia* spp. **1.** *A. bifasciata* Stål. **2.** *A. foreroi* Brailovsky. **3.** *A. gonzalezi* sp. nov. **4.** *A. promecephops* Brailovsky.

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Figures 5–8. Lateral view of *Amblyomia* spp. **5.** *A. bifasciata* Stål. **6.** *A. foreroi* Brailovsky. **7.** *A. gonzalezi* sp. nov. **8.** *A. promecephops* Brailovsky.