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Description of the female of *Callichroma magnificum*
Napp and Martins, 2009 (Coleoptera:
Cerambycidae: Cerambycinae: Callichromatini)

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Abstract. The female of *Callichroma magnificum* Napp and Martins, 2009 (Coleoptera: Cerambycidae: Cerambycinae: Callichromatini) is described and illustrated for the first time. The geographical distribution of the species is expanded to the Colombian Caribbean and information on the collection site is provided.

Key Words. Colombia, Taxonomy, Tropical dry forest

Introduction

The genus *Callichroma* Latreille, 1816 currently includes 18 species and two subspecies (Monné 2016). Its distribution ranges from Mexico to southern South America, where some species have a wide geographical distribution. In South America, most of the species are present in the Amazon Region and the Atlantic forest (Napp and Martins 2009). Eight species are known from Colombia (Monné 2016). Previously *Callichroma magnificum* Napp and Martins, 2009 was only known from the male holotype. Herein, the female of *C. magnificum* is described and illustrated for the first time, the species geographical distribution is expanded within Colombia and information is provided on the new location where the species was collected.

Materials and Methods

The specimens were collected using a mercury light trap. Initially, the specimens were identified following the key from Napp and Martins (2009), and then compared with the holotype of *Callichroma magnificum*. Measurements were made using the software tpsDig v. 2.26 and the units are in millimeters (mm). Photographs were taken using a Nikon COOLPIX P510® camera. The specimens are deposited at the Museo Zoológico de la Universidad de Sucre, Sincelejo, Colombia (MZUS). The other acronym used in the text corresponds to Museu de Zoologia, Universidade de São Paulo, São Paulo, Brazil (MZSP).

Results

Callichroma magnificentum Napp and Martins, 2009 (Fig. 1–6)

Description. Female (Fig. 1–3). Head, thorax, and elytra bright green-metallic; antennae black; legs black except reddish most of club of pro- and mesofemora (black on apex), and most basal half of metafemora (black on base).

Head. Surface glabrous; rugose laterally. Antennal tubercles glabrous at base, punctate at apex. Vertex concave, with microrugosities between antennal tubercles. Frons glabrous, coarsely punctate. Distance between upper eye lobes 0.42 times length of scape; in frontal view, distance between lower eye lobes 0.57 times length of scape. Genae punctate, glabrous. Fronto-clypeal suture indistinct. Clypeus truncated at distal margin, glabrous. Labrum emarginate at distal margin, with tuft of orange setae on sides of anterior region. Mandibles with scattered punctures, glabrous. Maxillary palpomere I widened at apex, with long yellowish setae; maxillary palpomere IV strongly widened at apex; galea with setae, anteriorly forming yellowish tufts. Antennae surpassing elytral apex at base of antennomere X; antennomeres covered with fine pubescence; scape thick, laterally coarsely punctate, dorsally with deep depression on base, apex slightly projected at external margin; antennomere III with longitudinal sulcus; antennomeres IV–XI carinate. Antennal formula (ratio) based on length of antennomere III: scape = 0.62; pedicel = 0.09; IV = 0.82; V = 0.86; VI = 0.87; VII = 0.82; VIII = 0.73; IX = 0.52; X = 0.61; XI = 0.65.

Thorax. Prothorax transverse; sides with rounded projection close to distal margin, and large conical tubercle at about middle, anterior margin of pronotum with black setae. Pronotal disc transversely striate, with median longitudinal sulcus, shallowly depressed on each side of sulcus. Prosternum with transverse wrinkles and short yellow setae, primarily laterally. Ventral side of mesothorax finely, sparsely punctate, with nearly inconspicuous pubescence. Metasternum with sparse punctures, from each one emerges white setae, with short, fine, dense, white pubescence laterally. Metepisternum with fine pubescence. Scutellum with shallow wrinkles. **Elytra.** Each elytron with two longitudinal striae, beginning at anterior region and reaching apical third; apex of elytra rounded, with black setae. **Legs.** Pro- and mesofemora pedunculate, finely punctate on ventral face; metafemora dilated; metatibiae flattened, with short black setae. Pro- and mesotibiae with fine yellow pubescence, laterally carinate. **Abdomen.** Urosternites sparsely punctate, laterally with short whitish setae. Apex of urosternite VI truncate.

Dimensions, female (in mm). Total length, 33.94; prothorax: length, 5.85; anterior width, 5.97; posterior width, 5.05; widest prothoracic width, 7.76; humeral width, 7.39; elytral length, 23.73.

Specimens examined. COLOMBIA, *Sucre*: Chalán (09°34'23.7"N / 75°19'27.6"W), 1 male and 1 female, 1.VII.2016, "Trampa de luz", P. Álvarez col. (MZUS); *Boyacá*: Territorio Vazquez, holotype, male, II. 1991, J. Urbina col. (MZSP).

Remarks. Previously *Callichroma magnificentum* was known only by the male holotype (deposited at MZSP collection; Fig. 4–6), and recorded from the Colombian department of Boyacá, in the center of the country. Examination of the male holotype showed that the most important differences between male and female of *C. magnificentum* are: antennae much longer in male, in the holotype, 3.95 times elytral length, reaching elytral apex at basal quarter of the antennomere VII (notably shorter in female); abdomen with six urosternites in male (five in female); and distal margin of urosternite V strongly concave (subtruncate in female).

According to Napp and Martins (2009), *C. magnificentum* is similar to *C. euthalium* Bates, 1874, but differs primarily by the pronotum notably transversely striate (micro-rugose and very finely striate in *C. euthalium*).

Herein is added a new department record from Sucre, in the northern area (Fig. 7). According to Holdridge (1979), the collection site may be characterized as tropical dry forest. The municipality of Chalán features a mountainous landscape and a bimodal rainfall regime; the annual averages of

temperature and relative humidity are 26.8 °C and 77%, respectively; precipitation fluctuates between 1,000 and 1,200 mm per year, the weather is warm and dry (Aguilera 2005).

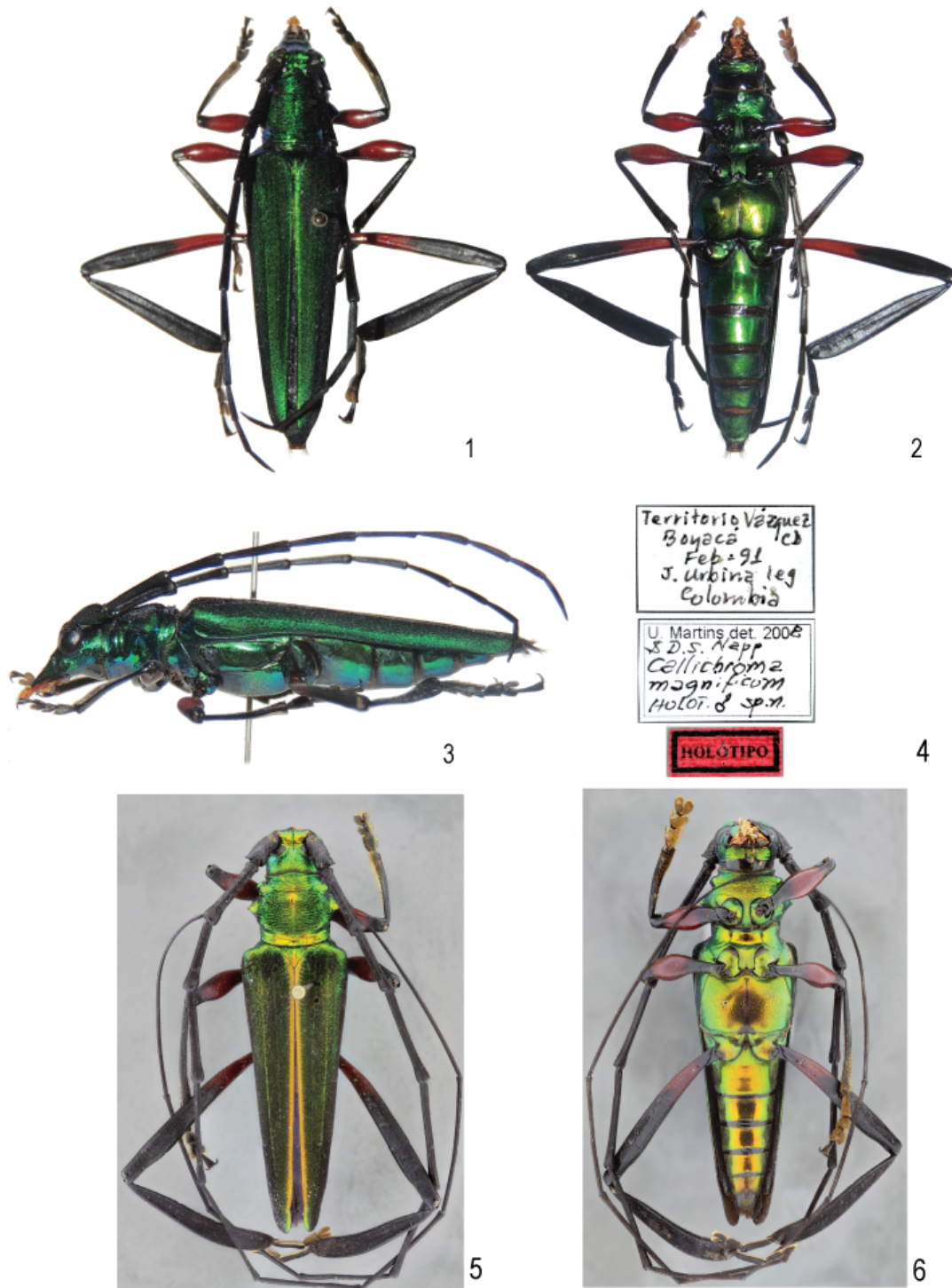
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Figures 1–6. *Callichroma magnificentum*. 1–3, Habitus, Female. 1) Dorsal view. 2) Ventral view. 3) Lateral view. 4–6, Holotype, male. 4) Labels. 5) Dorsal view. 6) Ventral view.

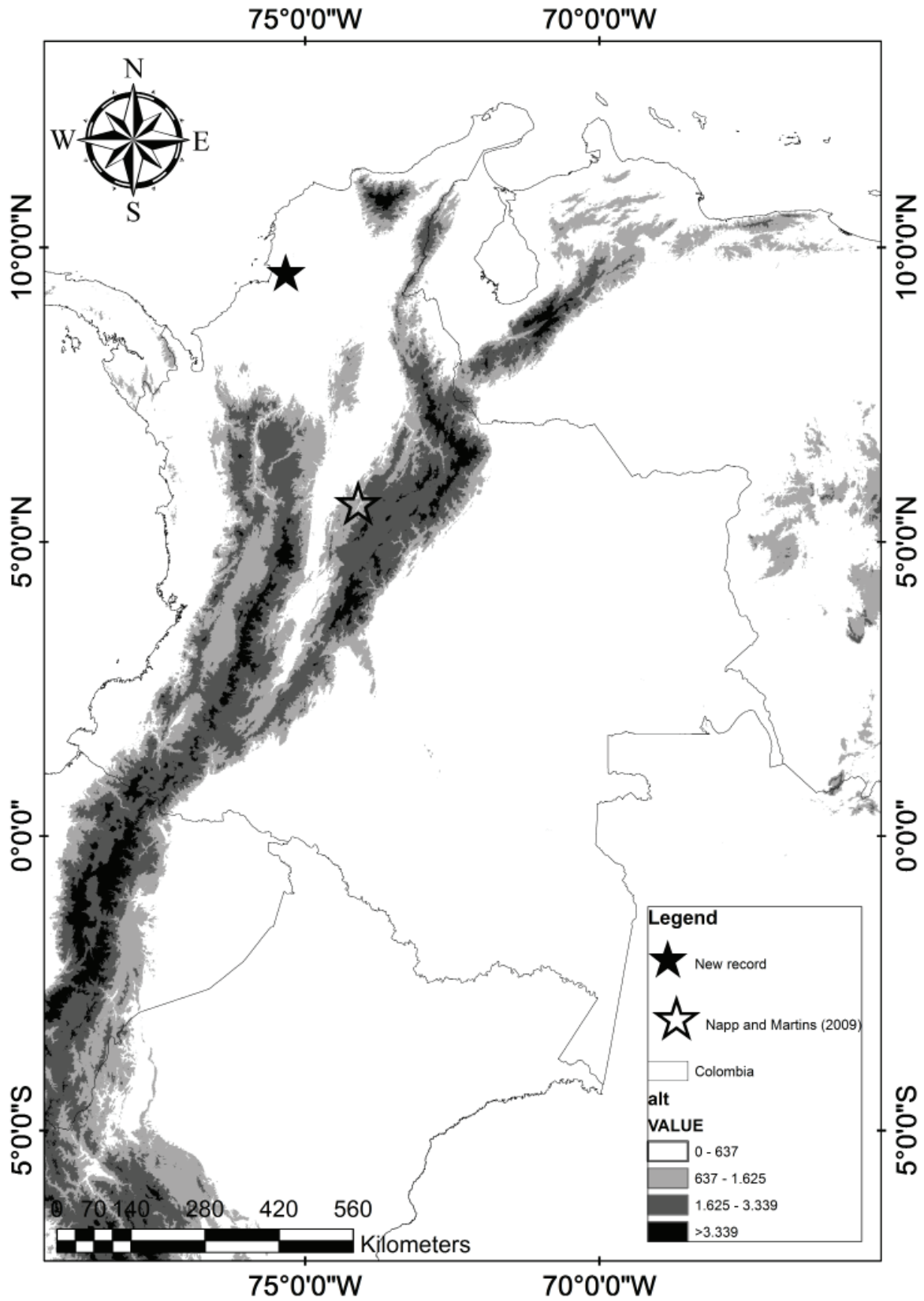


Figure 7. Geographical distribution of *Callichroma magnificentum*.

