

On the type specimens of *Dichromatos corupa* and *Dichromatos montanus* (Orthoptera, Acridoidea, Melanoplinae)

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The purpose of this note is to correct a nomenclatural problem associated with the names of two grasshopper species of the South American genus *Dichromatos* Cigliano, *D. corupa* and *D. montanus*.

In a review of *Eurotettix* Bruner, based on the results of a cladistic analysis, I divided the genus into two, and described the new genus *Dichromatos* to include *E. corupa* Carbonell & Mesa, *E. montanus* Carbonell & Mesa, *E. schrottkyi* Rehn, and *E. lilloanus* Liebermann (type species) (Cigliano 2007).

In order to gather information for the mentioned revisionary study, I visited the “Museu Nacional, Universidade do Rio Janeiro” (MNRJ) in 2002 and examined the material of Melanoplinae species. There I found unidentified materials corresponding to several new species of *Eurotettix* that later I described in the review of the genus (Cigliano 2007) as well as material of two new species, which Carbonell & Mesa called *Eurotettix corupa* and *E. montanus* in a manuscript. Knowing the existence of this manuscript, and with a permission from Carlos Carbonell, I considered *E. corupa* Carbonell & Mesa and *E. montanus* Carbonell & Mesa as valid species in my own manuscript. Both manuscripts were submitted almost simultaneously. Unfortunately, Alejo Mesa, who was corresponding author, passed away before finishing the revision of the Carbonell & Mesa manuscript. Thus, although accepted for publication, the manuscript was never published.

Because both species are fully described and their diagnostic characters illustrated in Cigliano (2007), under the provisions of Articles 50.1.1 and 50.1.3 of the International Code of Zoological Nomenclature, I consider that there is no need to change either the names of the species or the authorship. However, in order to validate the names, I hereby designate their type specimens, which are deposited to MNRJ.

Dichromatos montanus Carbonell & Mesa

[*Eurotettix montanus* Carbonell & Mesa 2006 (manuscript)]
Dichromatos montanus in Cigliano 2007:187

Type. Holotype male (Fig. 1): Brazil, Minas Gerais, 20 km. SE Itamonte, 1500 m, 21-III-1980, (Roppa, Carbonell & Roberts), MNRJ

Diagnosis. Similar to *D. schrottkyi* (Rehn), differing mainly in smaller size and body slender, fastigium less prominent, smaller eyes, body color and shape of male cerci. Head and pronotum olive dark green, with dark post ocular band extending on pronotal lobes. Antennae brown. Fore and middle legs dark green dorsally, yellowish ventrally. Body ventral yellow. Tegmina with dorsal field creamy, lateral field brown. Hind femur, with upper marginal area and upper half of outer medial area dark olive green, lower marginal area and lower half of outer medial area bright red, inner face bright red. Hind tibiae dark green. Male cerci strongly incurved with rounded apex.

Dichromatos corupa Carbonell & Mesa

[*Eurotettix corupa* Carbonell & Mesa 2006 (manuscript)]
Dichromatos corupa in Cigliano 2007: 187



FIGURE 1. Holotype of *Dichromatos montanus* Carbonell & Mesa. Scale bar 5mm.

FIGURE 2. Holotype of *Dichromatos corupa* Carbonell & Mesa. Scale bar 5 mm.

Type. Holotype male (Fig. 2): Brazil, Paraná, San Jose dos Pinhais, IV-1980, (Silva), MNRJ.

Diagnosis. Similar to *D. lilloanus* (Liebermann), differing mainly in body color, size smaller, and shorter aedeagal valves. Body color dark greenish brown with post ocular dark brown band; lower half of pronotum and episternum dirty white. Head dorsal and face greenish. Fore and middle legs green. Hind femur with outer face black, except for yellow area on lower proximal half of medial area; upper marginal area brown with three transverse dark bands; inner face and lower marginal area bright red. Hind tibiae dark green. Tegmina homogeneously brown. Cerci with distal half gently curved inwards.

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References

Cigliano, M.M. 2007. Review of the South American genus *Eurotettix* Bruner (Orthoptera, Acridoidea, Melanoplinae). Systematic Entomology 32: 176–195.