

A new species of *Carebara* Westwood (Hymenoptera: Formicidae) and taxonomic notes on the genus

Una nueva especie de *Carebara* Westwood (Hymenoptera: Formicidae) y notas taxonómicas sobre el género

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Abstract. A new ant species, *Carebara coqueta* sp.nov. from Colombia, is described, based on the soldier and worker castes. *Carebara semistriata* Fernández is considered a junior synonym of *Carebara reina* Fernández (syn. n.). *Carebara guineana* is proposed as a new name for *Oligomyrmex silvestrii* Santschi, 1914.

Key words: *Carebara coqueta*, new species, Neotropics, taxonomic notes

Resumen. Se describe una nueva especie de hormiga, *Carebara coqueta* n. sp. de Colombia, basada en soldado y obrera. *Carebara semistriata* Fernández se coloca como sinónimo menor de *Carebara reina* Fernández (n. sin.). *Carebara guineana* se propone como nuevo nombre para *Oligomyrmex silvestrii* Santschi, 1914.

Palabras clave: *Carebara*, nueva especie, Neotrópico, notas taxonómicas.

Introduction

The recent revision of the myrmicine ant genus *Carebara* Westwood for the Western Hemisphere (Fernández 2004) broadened the generic limits of this name with the incorporation of *Oligomyrmex*, *Paedalgus*, *Afroxyidris* and *Neoblepharidatta*, as synonyms of *Carebara*. The genus in its new sense was split in three sections, the *concinna*, *lignata* and *escherischi* species groups. The first one, the *concinna* species group, corresponds to the concept of *Oligomyrmex*; the second, the *lignata* species group to the traditional *Carebara* s. str., and the *escherischi* species group to *Paedalgus*. The first two groups are probably paraphyletic taxa, with only the *escherischi* species group apparently monophyletic (Bolton and Belshaw 1993). This paper includes the description of a new species along with some other taxonomic changes and comments.

Materials and Methods

Measurements were made using a micrometer in a Nikon SMZ 2T stereomicroscope at 80X magnifications, with a fiber ring lamp. All measurements are in mm: HL - Head length: Maximum length, in full face view, from the apex of the clypeal apron to the middle of vertex; HW - Head width: Maximum width in full face view; SL - Scape length (excluding basal condyle and neck), in straight line distance; PW - Pronotal width: Maximum width across pronotum in dorsal view; WL - Weber's length: In lateral view of mesosoma, the line from

posteroventral corner of mesosoma to farthest point on anterior face of pronotum; GL - Gaster length: In lateral view, the line from anterior edge of first gastral tergum to posteriormost point; TL - Total length (HL + Mandible length + WL + Petiole length + Postpetiole length + GL); CI - Cephalic index: HW/HL; SI - Scape index: SL/HW.

Collections

IvH. Insect Collection, Instituto Humboldt, Claustro de San Agustín, Villa de Leyva, Colombia.

INBio. Instituto Nacional de Biodiversidad, San José, Costa Rica.

Taxonomic section

Carebara lignata species complex

This complex comprises those dimorphic and monomorphic *Carebara* whose minor workers are always eyeless. In the *Carebara* revision (Fernández 2004) the name of the group was incorrectly written as "*Carebara concinna* species complex" in the heading of the section of this group in the page 211, the name must be changed to *Carebara lignata* species complex.

Carebara coqueta new species (Fig. 1)

Description (major worker). Head longer than broad, posterior border semicircularly

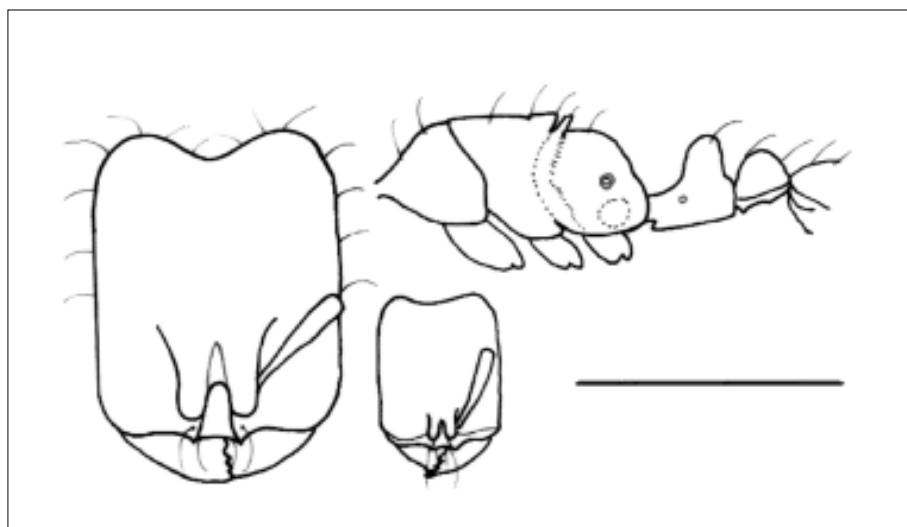


Figure 1. *Carebara coqueta* new species. Major worker head (left, HW 0.48 mm), mesosoma, petiole and postpetiole in lateral view (top); head of minor worker in full face view (lower right, HW 0.26 mm). Scale bar 0.5mm

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