



Taxonomic review of the Neotropical genus *Moriosomus* Motschulsky (Insecta: Coleoptera, Carabidae, Morionini) with notes on the way of life of the species

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Abstract

Moriosomus Motschulsky 1855 is a Neotropical genus containing three species in the carabid beetle tribe Morionini. *Moriosomus* adults are found under tree bark and in rotting logs in rainforests; larvae are unknown. This revision of *Moriosomus* includes diagnoses, descriptions, illustrations, and distributional data for all three known species, including *Moriosomus motschulskyi* Erwin & Moore, **new species** (“PERU, HUÁN[UCO], Divisoria,” Cordillera Azul, 1600m, 08° 54' 0 S, 075° 40' 0 W). We provide an identification key to the species based on adult external structure. We clarify the date of the description of the genus *Moriosomus*, which is 1855, rather than 1864 as it is often incorrectly cited in the literature. In addition, we define the tribe Morionini and provide a key for identification of the two genera resident in the Western Hemisphere.

Key words: Colombia, Costa Rica, Nicaragua, Ecuador, Panamá, Perú, INBio, Carabidae, Morionini, *Moriosomus* Motschulsky 1855

Resumen

Moriosomus Motschulsky 1855 es un género Neotropical que contiene tres especies de la tribu Morionini de carábidos. Los adultos de *Moriosomus* se encuentran bajo la corteza y sobre ramas en putrefacción en los Bosques Lluviosos, sus larvas son desconocidas. Esta revisión de *Moriosomus*, incluye diagnóstico, descripción, identificación y distribución de las tres especies conocidas, incluyendo *Moriosomus motschulskyi* Erwin & Moore, **nueva especie** (“PERU, HUÁN[UCO], Divisoria,” Cordillera Azul, 1600m, 08° 54' 0 S, 075° 40' 0 W). Se incluye una clave de identificación de las especies basada en caracteres morfológicos externos de los adultos y la fecha de descripción del género *Moriosomus* es 1855, enés de 1864, comúnmente citada incorrectamente en la literatura, es esclarecida. Además, definimos la tribu Morionini y proveemos una clave para la identificación de los géneros presentes en el Hemisferio Occidental.

Palabras clave: Colombia, Costa Rica, Nicaragua, Ecuador, Panamá, Perú, INBio, Carabidae, Morionini, *Moriosomus* Motschulsky 1855

Introduction

Moriosomus Motschulsky 1855 is a Neotropical genus in the carabid beetle tribe Morionini. *Moriosomus* was known to contain two species: *M. seticollis* Straneo 1985, described from two specimens, one each from Ecuador and Colombia, and the commoner and widespread Central American species *M. sylvestris* Motschulsky 1855, known from Lower Middle America (Fig. 1). In this paper, we revise this genus, including description of a third species from Perú, *Moriosomus motschulskyi* Erwin & Moore, **new species**.