



Five new species of *Telegeusis* Horn, 1895 (Coleoptera: Telegeusidae) from Mexico, with a key to the species

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Abstract

Five Mexican species of the genus *Telegeusis*, *T. austellus* sp. n., *T. sonorensis* sp. n., *T. boreios* sp. n., *T. glessum* sp. n., and *T. granulatus* sp. n., from Quintana Roo, Sonora, Nayarit and Veracruz are described and illustrated. New records of *T. orientalis* Zaragoza, a key to the 12 known species and an updated checklist are also presented.

Key words: New species, illustrations, key to species

Resumen

Se describen e ilustran cinco especies mexicanas del género *Telegeusis*, *T. austellus* sp. n., *T. sonorensis* sp. n., *T. boreios* sp. n., *T. glessum* sp. n., y *T. granulatus* sp. n. de Quintana Roo, Sonora y Veracruz. Se presentan también nuevos registros para *T. orientalis* Zaragoza, una clave para las 12 especies conocidas y la lista actualizada de las especies.

Palabras clave: Especies nuevas, ilustraciones, clave a especies

Introduction

The genus *Telegeusis* Horn, 1895 was erected for *T. debilis* Horn, 1895 from Sierra of San Lazaro, Baja California, Mexico and placed in the family Lampyridae (Horn 1895). The seven currently recognized species are distributed from southern USA to Panama. Horn (1895) described *T. debilis* (type species) from a specimen considered by him as a female. The specimen is actually a male, as are all other known specimens in the genus. Miller (2002) mentioned that females probably do not have the ability to fly.

Material and methods

Anatomical terms and characters used are those of Horn (1895), Miller (2002), and Zaragoza (1975). Species proposed as new were collected with light traps, placed in areas with tropical dry forest from different states of Mexico. Photographs were taken using a Leica microscope equipped with a camera Leica Z16 APO A; the program used was Leica Application Suite 2.8.1. Measurements are in millimeters. All specimens are deposited in CNIN (Institute of Biology, UNAM).

Diagnosis of the genus *Telegeusis*

Male: Body elongate (Fig. 1), parallel-sided with the exception of the last abdominal segments, dorsoventrally depressed, length from 3.5 mm to 8.0 mm, yellow to dark brown; clothed with erect setae, sparsely placed; setae