



## A new species of *Buprestis* Linnaeus, 1758 from Veracruz, Mexico (Coleoptera: Buprestidae: Buprestini) and a brief discussion of the Mesoamerican species of the subgenus *Knuliobuprestis* Kurosawa, 1988

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### Abstract

A new species, *Buprestis* (*Knuliobuprestis*) *aurora*, is described from localities in the Mexican state of Veracruz and discussed in relation to *B. catoxantha* Gory, 1840. The following species of *Buprestis* are transferred to the subgenus *Knuliobuprestis*: *B. bergevini* Théry 1911, *B. carabuho* Westcott 1998, *B. catoxantha* Gory 1840 (synonyms: *B. jimenezi* Dugès 1891 and *B. variegata* Laporte & Gory 1837), *B. hauseri* Obenberger 1928, and *B. panamensis* Théry 1923 (synonym: *B. panamensis* var. *nigripennis* Théry 1934).

**Key words:** Coleoptera, Buprestidae, Buprestini, *Buprestis*, *Knuliobuprestis*, Mexico, Veracruz, new species

### Resumen

Una nueva especie, *Buprestis* (*Knuliobuprestis*) *aurora*, se describe de localidades en el estado mexicano de Veracruz y se debatió en relación a *B. catoxantha* Gory, 1840. Las siguientes especies de *Buprestis* se transfieren al subgénero *Knuliobuprestis*: *B. bergevini* Théry 1911, *B. carabuho* Westcott 1998, *B. catoxantha* Gory 1840 (sinónimo: *B. jimenezi* Dugés 1891 y *B. variegata* Laporte y Gory 1837), *B. hauseri* Obenberger 1928, y *B. panamensis* Théry 1923 (sinónimo: *B. panamensis* var. *nigripennis* Théry 1934).

### Introduction

As presently defined, the nominate genus of the family Buprestidae: *Buprestis* Linnaeus 1758, contains 78 species and 14 subspecies and is recorded from the Australasian, Nearctic, Neotropical, Oriental and Palaearctic biogeographic regions. The broadest modern discussion of “*Buprestis* and its Allies” was by the late Japanese specialist Yoshihiko Kurosawa (1988) in which he considered four genera: *Buprestis*, *Cypriacis* Casey 1909, *Eurythyrea* Lacordaire 1835 and *Neobuprestis* Kerremans 1903. In the initial key to separate the different genera, Kurosawa additionally included *Yamina* Kerremans 1903, but subsequently discussed it as a subgenus of *Buprestis*. *Eurythyrea* and *Yamina* are both Palaearctic, while *Neobuprestis* is restricted to Australia. Both *Buprestis* and *Cypriacis* are Holarctic in distribution with *Buprestis* additionally extending into the Neotropical region with species in Mexico, Central America and several Caribbean islands. A single South American taxon, the Argentinian *B. bruchi* Obenberger 1928, will be discussed in a separate pending contribution.

The publication of the third volume of the *Catalogue of Palaearctic Coleoptera* (I. Löbl & A. Smetana, editors, 2006) contains in the section on Buprestidae by V. Kubáň (2006), a different classification for *Buprestis* and its subgenera. *Cypriacis* joined *Yamina* at the subgeneric rank along with four other exclusively Palaearctic taxa, including, without much justification, the long-held junior synonym *Buprestis* (*Ancylocheira*) Eschscholtz 1829. This is the system I followed in the more recent world catalogue volume containing *Buprestis* (Bellamy 2008).

At least one problem left unsolved by Kubáň’s (2006) reductionist classification is that it only treated the Palaearctic fauna and thus had no reason to discuss the placement of other genus-group level taxa from different