



## A new species of *Xenorhipis* LeConte and of *Mastogenius* Solier from Mexico, with a discussion of *Chrysobothris ichthyomorpha* Thomson and its allies and notes on other Mexican and Central American Buprestidae (Coleoptera)

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### Abstract

*Xenorhipis bajacalifornica* Westcott, **new species**, from Baja California Sur, Mexico, is described and figured. A description of *Mastogenius cyanelytron* Westcott, new species, herein is necessitated by the fact *M. cyanelytra* Westcott is an unavailable name. Three species in a complex Neotropical group of the genus *Chrysobothris*, *C. chiriquita* Obenberger, new status, *C. ichthyomorpha* Thomson, and *C. thomsoni* Waterhouse are discussed in detail and figured. A lectotype is designated for *C. chiriquita*. *Buprestis transversepicta* Kerremans is reported as known only from Mexico and is figured. Notes are provided for an additional 135 species in the genera *Acmaeodera*, *Acmaeoderopsis*, *Actenodes*, *Agrilaxia*, *Agrilus*, *Buprestis*, *Chalcophora*, *Chrysestes*, *Chrysobothris*, *Colobogaster*, *Euchroma*, *Eudiana*, *Euplectalecia*, *Hiperantha*, *Hippomelas*, *Jelinekia*, *Knowltonia*, *Lampetis*, *Mixochlorus*, *Paragrilus*, *Pelecopselaphus*, *Polycesta*, *Spectralia*, *Tetragonoschema*, and *Thrincopyge*.

**Key words:** Buprestidae, new species, biology, distribution, taxonomy

### Introduction

Continuing studies of the Buprestidae fauna of Mexico and Central America have produced a plethora of new information, much of which is presented in this paper that includes the description of two new species in the genera *Xenorhipis* and *Mastogenius*, detailed information on three closely related species of *Chrysobothris*, including lectotype designation for one of them, and notes on 136 other species of Buprestidae. New records listed are from Mexico unless indicated as being from Central America, in which case they are new for each country provided in the label data. New country records for Mexico are clearly indicated. Mexican state abbreviations (see below) printed in all capital letters indicate a new record for that state. New larval or adult host records are presented in **boldface** font. Collection data that start with plant names represent only a new adult or larval host (i.e. not a new state or country record); exceptions are clearly indicated. Within the data provided for new state or country records, I have not always ascertained if adult hosts have been reported in the literature. Years of collection from the 20<sup>th</sup> Century are given as two digits; those from the 21<sup>st</sup> Century are cited in full. Abbreviations for the Mexican states follow U. S. Customs Directive No. 5610-002A, dated April 10, 2002 (reviewed April 2005), as provided here for convenience: AGS=Aguascalientes, BCN=Baja California, BCS=Baja California Sur, CAMP=Campeche, COAH=Coahuila, COL=Colima, CHIS=Chiapas, CHIH=Chihuahua, DGO=Durango, GTO=Guanajuato, GRO=Guerrero, HGO=Hidalgo, JAL=Jalisco, MEX=México, MICH=Michoacán, MOR=Morelos, NAY=Nayarit, NL=Nuevo León, OAX=Oaxaca, PUE=Puebla, QRO=Querétaro, QROO=Quintana Roo, SLP=San Luis Potosí, SIN=Sinaloa, SON=Sonora, TAB=Tabasco, TAMPS=Tamaulipas, TLAX=Tlaxcala, VER=Veracruz, YUC=Yucatán. ZAC=Zacatecas.