

## The description of a new species of *Agrilus* Curtis, with distributional records, and taxonomic and biological notes for Agrilinae and Trachyinae (Coleoptera: Buprestidae) of Mexico and Central America

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### Abstract

This paper treats 225 species of Buprestidae in the genera *Agrilus*, *Brachys*, *Callimicra*, *Cyphothorax*, *Dismorpha*, *Hylaeogena*, *Leiopleura*, *Lius*, *Omochyseus*, *Pachyschelus*, *Paragrilus*, *Taphrocerus* and *Trypantius*. New country records are recorded for Mexico and all Central American countries. *Agrilus vandenberghae* Westcott and Hespeneide, new species, from Central America and Mexico, and the male of *Agrilus eyai* Westcott and Noguera are described and figured. Rational is provided for changing *Agrilus aurilatera* Waterhouse to *A. aurilaterus*; *A. catherinae* Chevrolat is shown to be a justified emendation of *A. catharinae*; *A. complexus* (Waterhouse) is a new combination; and *A. consobrinus* Dugès is synonymized with *A. correctus* Thompson.

**Key words:** Buprestidae, Agrilinae, Mexico, Central America, distribution, new species

### Introduction

There has been much interest of late in Buprestidae of Central America and especially Mexico, mostly of a descriptive nature, but also in biodiversity, faunal studies and cataloging efforts. The family is abundant, prominent and diverse in those areas; however, many species are known from one or a very few specimens. For most other species, even some of the more common ones, distributional data is incomplete. For Mexico alone Hespeneide (1996) included about 1,300 species (782 of them described), but suggested there may actually be closer to 2,000. Our data on the Agrilinae are based mostly on specimens we have examined, the majority of which were submitted to us for identification. The number of host records provided herein, indeed that are recorded in the