Zootaxa 2084: 50–68 (2009)
www.mapress.com/zootaxa/

Article

ISSN 1175-5326 (print edition)
ZOOTAXA
ISSN 1175-5334 (online edition)

New species, taxonomic notes, and records for *Agrilus* Curtis (Coleoptera: Buprestidae) of México and the United States

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Abstract

The following new species and subspecies of the genus *Agrilus* are described: *A. rifkindi* Hespenheide, **New Species,** *A. rifkindi pueblae* Hespenheide, **New Subspecies,** *A. obrienorum* Hespenheide, **New Species,** *A. giesberti* Hespenheide, **New Species,** *A. anthaxioides* Hespenheide, **New Species**, *A. leucaenae* Hespenheide, **New Species**, *A. chrysobothroides* Hespenheide, **New Species**, *A. paramacer* Hespenheide, **New Species**, and *A. parkinsoniae* Hespenheide, **New Species.** *Agrilus auroguttatus* Schaeffer is removed from synonymy and considered a distinct subspecies of *A. coxalis* Waterhouse, *A. coxalis auroguttatus*, **New Status**. New collection records are given for *Agrilus connisalis* Obenberger and *A. sublateralis* Waterhouse. *Agrilus balaenicaudus* Westcott & Noguera is considered to be a synonym of *A. langei* Obenberger, **New Synonymy;** *A. jaliscoanus* Westcott & Noguera is considered to be a synonym of *A. sublateralis*, **New Synonymy**. Corrected type depositories and additional records are given for *Agrilus howdenorum* Hespenheide.

Key words: *Agrilus*, Buprestidae, Coleoptera, México, new records, new species, new status, new subspecies, new synonymies, taxonomy, United States

Introduction

The Agrilus fauna of México is extremely rich and still largely undescribed (Hespenheide 1996). Recent collections of series of a few species, which include a possible biological control agent of an invasive tree, provide the opportunity to describe the following eight species and one additional subspecies. In addition, the Arizona form of *Agrilus coxalis* Waterhouse has recently been found in southern California. Because it is morphologically distinct and is associated with extensive mortality of oaks (Coleman & Seybold, in press), it is practical to consider it a separate subspecies.

The following collection codens of specimens examined are used throughout the text (Evenhuis 2009): AUEC, Auburn University, AL, U.S.A.; BMNH, The Natural History Museum, London, England; BYU, Monte L. Bean Life Science Museum, Brigham Young University, Provo, UT, U.S.A.; CEAM, Centro de Entomologica y Acarologia, Colegio de Postgraduados, Montecillo, México, México; CHAH, Henry A. Hespenheide, University of California, Los Angeles, CA, U.S.A.; CLBC, C.L. Bellamy, Sacramento, CA, U.S.A.; CMNC, Canadian Museum of Nature, Ottawa, Canada; CSIRO, CSIRO-Australia - Mexican Field Station, Boca del Río, Veracruz, México; DSVC, D. S. Verity, Los Angeles, CA, U.S.A.; EMEC, University of California, Berkeley, CA, U.S.A.; FSCA, Florida State Collection of Arthropods, Gainesville, FL, U.S.A.; MNHN, Museum of Natural History, Paris, France; OSU, Ohio State University, Columbus, OH, U.S.A.; RDCC, Ronald D. Cave, Fort Pierce, FL, U.S.A.; RLTC, R.L. Turnbow, Fort Rucker, AL, U.S.A.; RLWE, R.L. Westcott, Salem, OR, U.S.A.; SBC, Svatopluk Bílý, Prague Czech Republic; SEMC, Snow Museum,

 Accepted by P. Johnson: 17 Mar. 2009; published: 27 Apr. 2009