



## Two new species of *Agrilus* Curtis 1825 from Arizona and Texas, with a new synonymy in *Agrilus* (Coleoptera: Buprestidae: Agrilinae)

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### Abstract

Two new species of the genus *Agrilus* Curtis, are described: *A. montosae* n. sp. from Arizona and *A. bespencus* n. sp. from Texas. A new synonymy is proposed: *A. pubescens* Fisher 1928 (= *A. parapubescens* Knull 1934), **syn. nov.** Also, joint ecological and distributional associations are presented for *A. montosae*, through the co-presence of *A. pectoralis* Waterhouse, *A. near impexus* Horn, *A. pubescens* Fisher and another buprestid, *Chrysobothris lateralis* Waterhouse.

**Key words:** Coleoptera, Buprestidae, *Agrilus*, new species, new synonymy, *Chrysobothris*, Arizona, Texas

### Introduction

The well-known, widely distributed genus *Agrilus* Curtis 1825 is the largest buprestid genus in North America, in terms of number of species (currently 177 valid). Many of these species are involved with interesting distributional patterns and host-plant associations. It is the purpose of this paper to make a small contribution to the taxonomy of this genus through the descriptions of two new species, a proposal of a new synonymy and by providing some new and specific information on host plants, along with concise distributional occurrence and other associations for these three *Agrilus* species.

The information on collection labels is presented "as is" with regard to their organization, abbreviations, capital lettering and spacing. Each individual label associated with a specimen is separated by a double slash (//). All labels are on shades of white paper unless otherwise indicated between brackets ([ ]). My holotype labels are on red paper and my paratype labels on yellow paper. Institutional, collection and museum codens are as follows: AMNH (American Museum of Natural History); CASC (California Academy of Sciences); CHAH (Henry A. Hespenehede collection); CLBC (C. L. Bellamy collection); CSCA (California State Collection of Arthropods); CSUC (Colorado State University Collection); DJHC (Dan Heffern collection); DSVC (David S. Verity collection); EMEC (University of California, Berkeley); FMNH (Field Museum of Natural History); FSCA (Florida State Collection of Arthropods); DSVC (D. S. Verity collection); JEW (James E. Wappes Collection); JNRC (Jacques Rifkind Collection); RHTC (Robert H. Turnbow collection); RLWE (Richard L. Westcott collection); SGWC (Stanley G. Wells collection); TAMU (Texas A & M University); UAIC (University of Arizona); USNM (United States National Museum); USUO (Oregon State University); WFBM (William F. Barr Museum, University of Idaho).