



An annotated synopsis of Taiwanese bark and ambrosia beetles, with new synonymy, new combinations and new records (Coleoptera: Curculionidae: Scolytinae)

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Abstract

The state of knowledge of Taiwanese bark and ambrosia beetles (Coleoptera: Curculionidae: Scolytinae) is summarised to serve as a baseline for future studies of the fauna, with a checklist including information on distribution, host trees, biology and taxonomy. Six faunal elements based on geographical distribution are discussed in relation to their breeding sites and habits, and host preferences. One hundred and thirty-three species are recorded from Taiwan, of which thirty-eight are recorded for the first time. The following new synonymy is proposed: *Ambrosiodmus lewisi* (Blandford) (= *Ozopemon tuberculatus* Strohmeier **n. syn.**), *Anisandrus hirtus* (Hagedorn) (= *Xyleborus taiwanensis* Browne **n. syn.**), *Cyclorhipidion fukiensis* (Eggers) (= *Xyleborus tenuigraphus* Schedl **n. syn.**), *Cyrtogenius luteus* (Blandford) (= *Orosiotes formosanus* Schedl **n. syn.**), *Diuncus haberkorni* (Eggers) (= *Xyleborus taichuensis* Schedl **n. syn.**), *Dryocoetes hectographus* Reitter (= *Ozopemon ater* Eggers **n. syn.**, = *Dryocoetes formosanus* Nobuchi **n. syn.**), *Hypothenemus taihokuensis* (Schedl) (= *Hypothenemus cosmoderoides* Murayama **n. syn.**), *Xyleborinus artestriatus* (Eichhoff) (= *Xyleborus beaveri* Browne **n. syn.**), *Xyleborus pinicola* Eggers (= *Xyleborus pinivorus* Browne **n. syn.**). The synonymy of *Webbia camphorae* Eggers and *Webbia medius* Eggers with *Arixyleborus rugosipes* Hopkins is confirmed. The following new combinations are given: *Ernoporus formosanus* (Browne) from *Ptilopodius* Hopkins; *Ambrosiophilus hunanensis* (Browne), *A. metanepotulus* (Eggers), *A. satoi* (Schedl), *A. subnepotulus* (Eggers), *Cyclorhipidion formosanus* (Browne), *C. fukiensis* (Eggers), *C. ohnoi* (Browne), *C. xyloteroides* (Schedl), *Microperus kirishimanus* (Murayama), *Planiculus minutus* (Blandford), all originally described in *Xyleborus* Eichhoff. Previous records of 23 species are considered dubious and require confirmation.

Key words: Coleoptera, Curculionidae, Scolytinae, Taiwan, faunal synopsis, new synonyms, new combinations, new records, dubious records