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Passandridae (Coleoptera), a new beetle family established in the Hawaiian Islands¹

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We report the first record of a species of the family Passandridae (Coleoptera: Cucujoidea) from the Hawaiian Islands. Three specimens of *Passandra elongatula* Grouvelle have been collected on the island of O'ahu on three separate occasions. Each of the O'ahu specimens were collected in different years (1977, 1999, 2000) and at different localities, all in the Pearl Harbor-Barbers Point area. These data give us reason believe this species has established a naturalized, breeding population on O'ahu.

The material studied resides in three collections: BPBM (Bishop Museum, Honolulu), HDOA (Hawaii Department of Agriculture, Honolulu), CTAM (Department of Plant and Environmental Protection Services, University of Hawai'i at Mānoa, Honolulu).

Those few species of Passandridae for which we have any life history information at all are known to be ectoparasites of the larvae of other wood-boring species of Coleoptera, including those of the families Bostrichidae, Cerambycidae, and Curculionidae (including Scolytinae and Platypodinae), and Hymenoptera (Burckhardt & Slipinski 2003). One congener of our species, *Passandra trigemina* (Newman), has been associated with Cryptorhynchinae (Curculionidae) (Burckhardt & Slipinski 2003). The feeding habits of adults are unknown.

Passandrids have historically been treated as a subfamily of the family Cucujidae (Hetschko 1930) but are now widely recognized as distinct family (Lawrence & Newton 1995, Slipinski 1986, Burckhardt & Slipinski 2003).

***Passandra elongatula* Grouvelle**

New state record

Passandra elongatula is an Indo-Malayan species, previously known from Bhutan, Laos, peninsular Malaysia, Indonesia (Sumatra, Java, and Ambon Island), and the Philippines (Luzon) (Slipinski 1986, Burckhardt & Slipinski 2003, BPBM). Grouvelle (1874) based *P. elongatula* on Malayan material and later (Grouvelle 1876) added some further description and a line illustration of the habitus. The lectotype of *P. elongatula* (designated by Slipinski 1986) is from Malacca, Malaysia. The O'ahu specimens were determined using the revised key to the world species of *Passandra* presented by Burckhardt & Slipinski (2003) and were directly compared with material of *P. elongatula* determined by S.A.

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Slipinski, deposited in the BPBM. Excellent figures of several of the diagnostic features of *P. elongatula* were included in Slipinski (1986) and reprinted in Burckhardt & Slipinski (2003). It is considered adventive in Hawai‘i.

Material examined: O‘AHU: Pearl City, 13 Feb 1977, P. Tenzing via J.W. Beardsley Collection (1 female CTAM, University of Hawai‘i at Mānoa); Barbers Point, 40 ft [16.5 m], 12 Aug 1999, W.D. Perreria (1 female BPBM); Kalaeloa, 40 ft [16.5 m], Oct 2000, Perreria (1 HDOA).

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New species of plagithmysines from Maui and Hawai‘i plus a significant new plant host record for a previously described species from Hawai‘i (Coleoptera: Cerambycidae)¹

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Three significant host-associated plagithmysines were collected during 2000–2001. Two are members of *Plagithmysus* (*Plagithmysus*) from the island of Hawai‘i: the first is *kraussi* Gressitt & Davis, previously not associated with any host but now reared from *Sida* and marking the first association of any plagithmysine with Malvaceae; the second is described as new and extends the range for the *Pittosporum*-associated plagithmysines

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