

New Records and Accounts

A New State Record Involving *Nesolathrus* (Coleoptera: Mycetophagidae)

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Abstract. The genus *Nesolathrus* (Mycetophagidae) is reported as a new record for the state of Hawaii, however, the species remains undetermined, as it differs from the unique species on which the genus is based. Big Island records include specimens reared from ohia twigs, *Metrosideros polymorpha*, from trees killed by *Ceratocystis* infections (Rapid Ohia Death).

Key words: *Nesolathrus* sp., new state record, Mycetophagidae, Hawaiian Islands

Nesolathrus sp. (Mycetophagidae), a new state record, has been in Hawaiian collections for nearly a century, as a misidentified species, mixed with *Corticaria elongata* (Gyllenhal 1827), Latridiidae. Both species (and families) are mycophagous; both are found on various islands in Hawaii, and they closely resemble each other in size, form, and color.

HAWAIIAN ISLANDS: OAHU: Moanalua, 21.XII.1930, coll. O.H. Swezey, ex. “*Suttonia*” [*Myrsine*], Bernice Pauahi Bishop Museum (BPBM)- 5 ex., Hawaii Department of Agriculture (HDOA)- 26 ex. [2 ex. as *Corticaria elongata* (Gyllenhal)].

MOLOKAI: Mapulehu near Iliiopae Heiau, 10–40 ft. elev., 1-15.IX.1995, yellow sticky board trap, coll. W.D. Perreria, BPBM- 1 ex. [as *C. elongata* (Gyll.)].

HAWAII: Hilo, lower Stainback Highway, native forest, 28.IX.2015, ex. *Metrosideros polymorpha* branches infected

with *Ceratocystis* sp., coll. S. Chun, #2015-416, BPBM- 4 ex., HDOA- 8 ex.

Nesolathrus Scott, originally treated in Latridiidae, is based on its type species *Nesolathrus typicus* Scott, 1922, from the Seychelles, Indian Ocean. A second species, from Guadaloupe Island, Caribbean Sea was also treated by Scott but not named. The Hawaiian records appear closer to this undetermined species. Lawrence and Newton (1995) noted the broader distribution of the genus to include Christmas Island, Australia, Society Islands, and Austral Islands, and placed its family as Mycetophagidae *incertae sedis*. Lawrence et al. (2014) further refined the classification to subfamily level under Mycetophagidae and included an excellent habitus view of the Australian *Nesolathrus* sp. (Plate 1, fig. 1c).

Slipinski (2019 pers. comm.) noted that this genus is actually widespread through the Pacific, now including Hawaii. The species, however, remains undetermined, awaiting further study.

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