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New Records and Synonymies of Hawaiian Diptera

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All specimens examined in this paper are vouchered in the Bishop Museum.

Dolichopodidae

Pelastoneurus lububris Loew

New state record

Specimens of this species were first collected by William D. Perreira at the Magoon Facilities at the University of Hawaii, Manoa on 30 January 1994. Since that collection, other specimens have turned up in ongoing Malaise trapping in north Halawa Valley by the Hawaii Biological Survey and in a recent survey of Lualualei Naval Magazine. All collections were made in grassy areas.

The species occurs naturally in the eastern United States from Michigan south to Mexico.

Material examined: OAHU: UH Manoa, Magoon Facilities, 30.i.1994 (W.D. Perreira); Lualualei Naval Magazine, Halona Valley, 21°25.862N, 158°05.708W, 1620 ft [495 m], 18–19.i.1996 (D.J. Preston), Malaise trap.

Tachytrechus sp.

New state record

Numerous individuals of this circumtropical genus were collected at 6 different localities on Kauai by D.A. Polhemus during stream surveys. Determination to species has not yet been made.

Material Examined: KAUAI: Hanakapiai Str, 23.x.1993 (D.A. Polhemus); Hanalei Riv, 600 ft [183 m], 4.xi.1994 (D.A. Polhemus), wet bedrock; same except 12.vi.1994, 1200 ft [365 m]; Waimea Riv, 750–785 ft [229–240 m], 12.vi.1994 (D.A. Polhemus), midstream rocks; Waihula Str, 12.vi.1994, 1000 ft [305 m] (D.A. Polhemus).

Chrysotus longipalpis Aldrich*Chrysotus longipalpis* Aldrich, 1896: 329.*Chrysotus pallidipalpus* Van Duzee, 1933: 313, **new synonymy**

This species was previously known in Hawaiian collections as *Chrysotus pallidipalpus* Van Duzee. *Chrysotus longipalpis* was originally described from the West Indies (Aldrich 1896), but has been reported as frequenting hot houses and green houses in widely disparate regions such as the UK and the neotropics.

At the request of the author, comparisons of the types of both species in The Natural History Museum, London were made by Mr. John E. Chainey. His comparison of the salient characters of both types showed them to be conspecific, thus the new synonymy here.

Micropezidae***Taeniaptera angularis*** Loew**New island record**

Specimens of this species were captured on the grounds of the Bishop Museum (13 and 26 Oct. 1995) by Wayman Paglinawan. Previously, this recent introduction to Hawaii was known only from the Big Island.

Material Examined: OAHU: Honolulu, Bishop Museum, 13 & 26.x.1995, Bishop Museum staff (BPBM).

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Range Expansions and Name Changes for Moths (Lepidoptera) in the Hawaiian Islands

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This paper summarizes some of the changes in understanding of moth species in the Hawaiian Islands through the ongoing activities of the Hawaii Biological Survey. Two kinds of changes are recorded here: changes in understanding of distributions based on specimens accumulated at Bishop Museum (BPBM), and changes in nomenclature resulting from taxonomic work published elsewhere. Many of these taxonomic changes have already been incorporated in Nishida (1994), but this paper provides the background. This paper builds on recent reviews of Sphingidae (Riotte 1986), Noctuoidea (Riotte 1991) and Pyraloidea (Munroe 1989). The recent field guide to Pyraloidea and Microlepidoptera by Robinson *et al.* (1994), although not intended to cover the Hawaiian fauna, is very useful for family-level identifications and includes many species that occur in Hawaii.