

New helminth record for the moth skink, *Lipinia noctua* (Scincidae), from Hawai‘i

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Lipinia noctua is a cosmopolitan Pacific species known from Sulawesi through northern New Guinea, the Solomons, and Vanuatu to the Tuamotu Archipelago and Marquesas Islands to the Hawaiian Islands (Zug, 1991). To our knowledge, there is one report of a helminth from *L. noctua*, the nematode *Parapharyngodon maplestoni* (Goldberg *et al.*, 2010). The purpose of this note is to add to the helminth list of *L. noctua* and report a new helminth record for this species in Hawai‘i.

Nematoda: Spiroceridae

Physocephalus sp.

New host record

The body cavity of 1 female (SVL 47 mm) *L. noctua* collected November, 1999 at Huelo Islet, Moloka‘i, Hawaiian Islands, USA (21.17075°N, 15.92117°W; WGS 84, elev. 27–60 m) and deposited in the herpetology collection of the Bishop Museum as (BPBM 13863) was opened and examined for coelomic helminths. Seven encysted nematodes were removed from the exterior of the small intestine. They were cleared in glycerol, placed on a microscope slide, coverslipped, examined under a compound microscope and identified as larvae of *Physocephalus*.

Physocephalus sexalatus is a nematode of wild and domestic pigs in Hawai‘i (Alicata, 1964), in which larvae first develop in dung beetles (Anderson, 2000). Infective encapsulated larvae of *Physocephalus* sp. are commonly found in gut tissues of amphibians and reptiles that have ingested infected beetles. In Hawai‘i it has been reported in the frog *Eleutherodactylus coqui* (Goldberg *et al.*, 2007) and the lizards *Anolis carolinensis* (Goldberg *et al.*, 2004a), *Anolis equestris* (Goldberg *et al.*, 2004b), *Anolis sagrei* (Goldberg & Bursey, 2000), *Chamaeleo jacksoni* (Goldberg *et al.*, 2004c), *Gehyra mutilata* (Goldberg *et al.*, 2004a), *Hemidactylus frenatus* (Brown *et al.*, 1995), *Hemidactylus garnotii*, (Brown *et al.*, 1995), *Lampropholis delicata* (Goldberg *et al.*, 2004a), *Lepidodactylus lugubris* (Brown *et al.*, 1995), *Phelsuma guimbeaui* (Goldberg *et al.*, 2003) and *Phelsuma laticauda* (Goldberg *et al.*, 2003). Vouchers of *Physocephalus* sp. are deposited in the United States National Parasite Collection (USNPC), Beltsville, Maryland, USA as USNPC (104865). *Lipinia noctua* is a new host record.

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