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 mapletoni* (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 guimbeaudi* (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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Literature Cited


