The Indo-Pacific House Gecko, *Hemidactylus garnotii* Duméril and Bibron 1836, a Newly Documented Nonindigenous Species on Grand Cayman, Cayman Islands

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The Indo-Pacific House Gecko, *Hemidactylus garnotii* Duméril and Bibron 1836 (Fig. 1), is indigenous to northeastern India, southern China, the Malay Peninsula, the Indonesian and Philippine Archipelagos, and Oceana (Welch 1994). It has been introduced to many areas, including The Bahamas, Cook Islands, Costa Rica, New Zealand, Samoa, St. Helena, and California, Florida, Hawaii, and Texas in the United States (Kraus 2009).

Fig. 1. Indo-Pacific House Geckos (*Hemidactylus garnotii*) have been widely introduced outside their native range in southeastern Asia and Oceana. This individual was photographed in Lee County, Florida. Photograph by Kevin M. Enge.
This nocturnal species has several characteristics distinguishing it from other *Hemidactylus* introduced in the United States and Caribbean. *Hemidactylus garnotii* has 11–14 subdigital lamellae on digit IV beginning at the origin of the digit; 2–3 pairs of chin shields, with the posterior pair separated from the infralabial scales; small tubercles limited to dorsolateral rows; the dorsum in both adults and juveniles is grayish to yellow-colored; and the underside of the broadly flattened tail is garnet colored (Kluge and Eckardt 1969, Köhler 2003, Krysko and Daniels 2005). Like other *Hemidactylus*, *H. garnotii* also has thin, semi-transparent skin that can turn white at night (especially on a light surface) or almost black when cold or stressed (Krysko and Daniels 2005). Its semi-transparent skin also allows for its endolymphatic chalk sacs to be observed on adults of this parthenogenetic (all-female) species. This species is arboreal and in edificarian areas is often found at night around lights on walls of buildings (Krysko and Daniels 2005).

On 29 April 1983, MES collected a juvenile *Hemidactylus garnotii* (UF-Herpetology 169316) along Seven Mile Beach at 1956 West Bay Road, West Bay, Grand Cayman (19.36141°N, 81.38887°W, datum WGS84, elev. 6 m). In May 1983, MES collected an adult *H. garnotii* (UF-Herpetology 169320) at the same location. These two specimens (Fig. 2) remained unidentified until they were deposited and cataloged in the Florida Museum of Natural History in 2013. Therefore, this species was not listed from the Cayman Islands by Franz et al. (1987), Seidel and Franz (1994), Echternacht et al. (2011), or Echternacht (2012). Although this species reproduces via parthenogenesis, which likely assists in it establishing populations where it is introduced (Kluge and Eckardt 1969, Wilson and Porras 1983), our specimens represent the only known vouchers from Grand Cayman.

**Acknowledgements**

We thank Aaron M. Bauer for species confirmation; and Gad Perry, Robert Powell, and an anonymous reviewer for helpful comments on this paper.

**Literature Cited**


