

Biodiversity Record: An unlikely Singapore record of the bannerfish, *Heniochus pleurotaenia*

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Subject: Phantom bannerfish, *Heniochus pleurotaenia* (Teleostei: Acanthuriformes: Chaetodontidae).

Subject identified by: Kelvin K. P. Lim.

Location and date: Labelled 'caught in Singapore' and was received by the Raffles Museum on 29 December 1947.

Habitat: Marine.

Observer: Kelvin K. P. Lim. Based on examination of material at the Zoological Reference Collection (ZRC) of the Lee Kong Chian Natural History Museum, at the National University of Singapore. A portion of the ZRC consists of material from the Raffles Museum (see Tan, 2016).

Observation: One preserved example (Fig. 1) of 15.8 cm standard length (tip of snout to caudal base) was identified, and accessioned as ZRC 62664.

Remarks: *Heniochus pleurotaenia* was not previously reported from Singapore. It is the sixth species of *Heniochus* to be recorded there (Tweedie, 1936; Low et al., 2009; Lim, 2017; Taira, 2017). However, this species appears unlikely to have been obtained directly from Singapore for its range seems to be restricted to the Indian Ocean. It closely resembles the horned bannerfish, *Heniochus varius*, which was reported by Low et al. (2009), but differs in having a distinct pale bar over the middle of its body (Kuiter, 2002).



Fig. 2. Lateral view of the preserved *Heniochus pleurotaenia* [ZRC 62664]. (Photograph by: Kelvin K. P. Lim).

Literature cited:

- Kuiter RH (2002) Butterflyfishes, Bannerfishes and their relatives. A Comprehensive Guide to Chaetodontidae & Microcanthidae. TMC Publishing, Chorleywood, UK, 208 pp.
- Lim KKP (2017) An unlikely Singapore record of the bannerfish, *Heniochus diphreutes*. Singapore Biodiversity Records, 2017: 143–144.
- Low JKY, Tanzil JIT & Jaafar Z (2009) Some note-worthy fishes observed in the Singapore Straits. Nature in Singapore, 2: 77–82.
- Taira D (2017) New record of the masked bannerfish in Singapore. Singapore Biodiversity Records, 2017: 60–61.
- Tan KYL (2016) Of Whales and Dinosaurs. The Story of Singapore's Natural History Museum. NUS Press, Singapore, xix + 266 pp.
- Tweedie MWF (1936) A list of the fishes in the collection of the Raffles Museum. Bulletin of the Raffles Museum, Singapore, 12: 16–28.