

## First record of the snail, *Stromatolina angulata*, in Singapore

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**Subject:** Angular stomatolina, *Stromatolina angulata* (Mollusca: Gastropoda: Trochidae).

**Subject identified by:** Tan Siong Kiat & Chan Sow-Yan.

**Location, date and time:** Johor Strait along Changi Beach Park; 8 June 2019; around 1000 hrs.

**Habitat:** Estuarine shore.

**Observer:** Lau Wing Lup.

**Observation:** A live example, about 5 mm in shell width, was found among barnacles and other marine encrustations on the underside of a live saddle oyster (*Placuna ehippium*) among seagrass, exposed to air during morning low tide. The snail's foot, which is large and has the same colour pattern as its shell, cannot be fully retracted (Fig. 1 & 2).

**Remarks:** *Stromatolina angulata* is herein presented as a new record for Singapore (see Tan & Woo, 2010). It can be identified by its two strong carinae on its whorls, and numerous smaller lirae below the periphery and with strong, short sub sutural folds (Pilsbry, 1890). The related *Stomatella impertusa* was recently recorded from Pulau Pawai (Toh et al, 2014) and Keppel Bay Marina (Lam & Todd, 2013).

### References:

- Lam K. M. & P. A. Todd, 2013. Spatial differences in subtidal epibiotic community structure in Marina at Keppel Bay, Singapore. *Nature in Singapore*. 6: 197–206.
- Pilsbry, H. A., 1890. Stomatellidae, Scissurellidae, Pleurotomariidae, Haliotidae, Scutellinidae, Addisoniidae, Cocculinidae, Fissurellidae. In: Tryon, G. W. *Manual of Conchology*. Series 1, Vol. 12. Academy of Natural Sciences, Philadelphia. 323 pp, 65 pl.
- Tan S. K. & H. P. M. Woo, 2010. *A Preliminary Checklist of the Molluscs of Singapore*. Raffles Museum of Biodiversity Research, National University of Singapore, Singapore. 78 pp.
- Toh C. H., S. K. Tan & M. E. Y. Low, 2014. A record of *Stomatella impertusa* in Singapore. *Singapore Biodiversity Records*. 2014: 19.

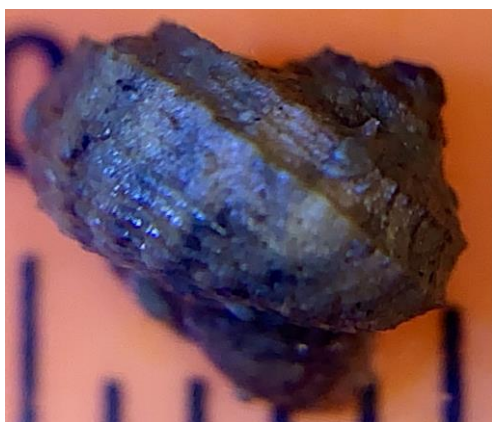


Fig. 1. Ex-situ back-lateral view of live snail with two carinae on the last shell whorl.

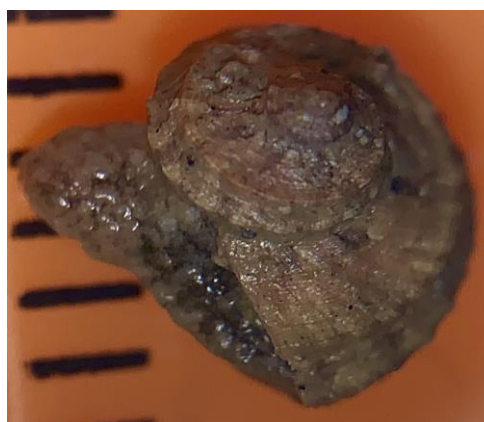


Fig. 2. Dorsal-aperture view of snail showing its inability to fully retract into the shell.

Photographs by Lau Wing Lup