

## Lectotypification of *Halymenia plana* Zanardini, 1874 (*Halymeniaceae*, *Florideophyceae*)

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The prominent Italian phycologist Giovanni Zanardini (1804–1878) over his career published many species both from Mediterranean Sea and elsewhere, including Australia, based on material sent to him by collectors. In his ‘*Phyceae australicae novae vel minus cognitae*’ he described *Halymenia plana* Zanardini (1874: 503). In the protologue, he cited Port Philip [Victoria, Australia] as the type locality and Ferdinand von Mueller (1825–1896) as the collector. According to Stafleu & al. (1988: 516) the main collection of Zanardini’s herbarium specimens is in **MCVE**, while other material can be found at **BASSA**, **BM**, **DBN**, **L** (herb. Kützing), **WRS�**. The so-called “*Algarium Zanardini*” (De Toni & Levi 1888) is held at MCVE, the core of Zanardini’s collections. Womersley & Lewis (1994: 195), reported the presence of original material of *H. plana* (as ‘holotype’) in Herb. Zanardini, Museo Civico di Storia Naturale, Venice, but without reference to a specific specimen. All the above-mentioned herbaria were contacted and searched for the presence of original material of *H. plana*, but only a single herbarium sheet with a single individual of *Halymenia plana* Zanardini was found in the *Algarium Zanardini* (**MCVE**) together with an unpublished drawing of a section of the thallus and an annotation in Zanardini’s hand with the name and the type locality “*Halymenia plana* Port Philip” (Fig. 1). Unfortunately, there is no collection date or collector name on the sheet. The drawing details the compact structure of the thallus mentioned in the protologue.

*Halymenia plana* Zanardini 1874: 503

**Lectotype** (here designated): unnumbered sheet deposited at **MCVE** (Fig. 1).

Registration (of lectotype): <http://phycobank.org/107224>

Type locality: Port Philip, Victoria, Australia (“Hab. Port Philip”) (Zanardini 1874)

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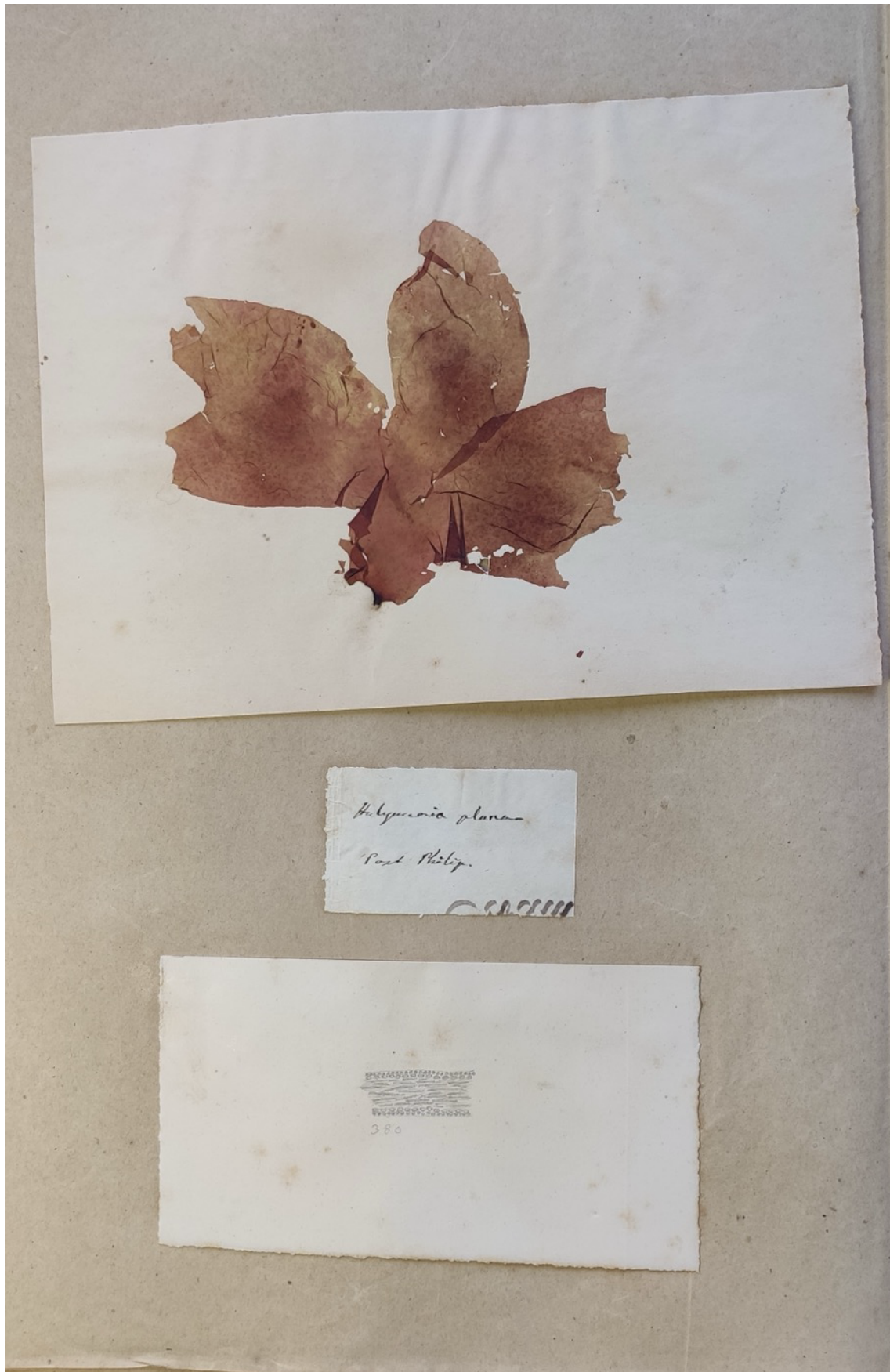
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Womersley, H.B.S. & Lewis, J.A. (1994). Family Halymeniaceae Bory 1828: 158. In: *The marine benthic flora of southern Australia. Part IIIA. Bangiophyceae and Florideophyceae (Acrochaetiales, Nemaliales, Gelidiales, Hildenbrandiales and Gigartinales sensu lato)*.

(Womersley, H.B.S. Eds), pp. 167-218. Canberra: Australian Biological Resources Study.

Zanardini, G. (1874). *Phyceae australicae novae vel minus cognitae. Flora* 57: 486–490, 497–505.



**Fig. 1.** Original material, here designated as **lectotype**, of *Halymenia plana* Zanardini deposited in MCVE.