

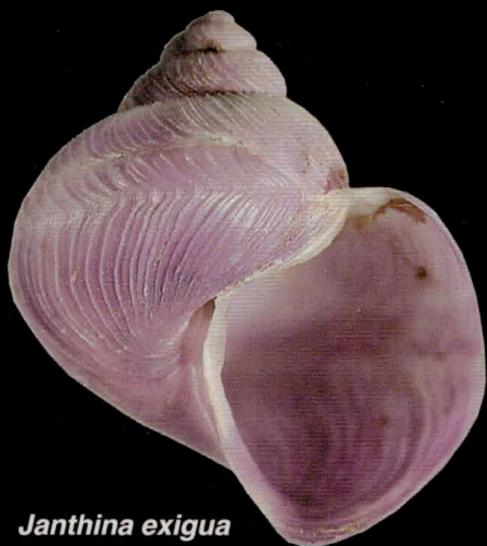
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Janthina exigua



Janthina pallida

57



Janthina janthina



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A new species of *Hydroginella* (Mollusca: Gastropoda: Marginellidae) from New Ireland, Papua New Guinea
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Buseck, Germany and Moscow, Russia

Keywords: Marginellidae, *Hydroginella marina*, new species, New Ireland

Abstract: *Hydroginella marina* n. sp. is described from New Ireland, Papua New Guinea. It differs from other species of the genus by having a protruding labrum and inflated shell.

***Hydroginella marina* n. sp.**

Material: sixteen fresh specimens from the type locality

Holotype: 3,025 mm, coll. MNHN Paris
15 adult Paratypes ranging from 2,923 mm to 3,561 mm in the author's collections

Description:

The minute 3 mm shell is extremely inflated posteriorly, but tapers considerably towards the anterior, giving it an elegant drop-shape. The width-length ratio is around 75 %. The spire is slightly projecting, rounded, consisting of three post-nuclear whorls. The labrum is produced posteriorly, distinctly exceeding the spire in length. The anterior extremity is strongly tapering. The aperture is almost straight and very narrow throughout. There are three produced, angular columellar folds with narrower interstices, followed by a smooth, distinct columellar ridge that borders the aperture and the posterior canal. The labrum shows numerous indistinct denticles which are connected by an indistinct callus-bridge posteriorly. The shell is transparent and of faint creamy orange color. There is little variation in shape and size among the paratypes. The animal characteristics are unknown.

Locus typicus: All specimens of *Hydroginella marina* n. sp. were collected in a grit sample taken from 65 m off Bermuda Drop, Bismarck Sea, near Kavieng, New Ireland. Although several grit samples from close by places and similar depth were investigated, no further specimens were recovered.

Etymology: Named in honour of the second author's wife Marina, a keen diver and student of Gastropods.

Discussion: *Hydroginella marina* n. sp. unmistakable, on account of the inflated drop-shape and the projecting posterior labrum. In most spe-

cies of the genus, the spire exceeds the length of the labrum by far. In *H. musorstomi* and *H. rugosa* from Fiji, the labrum shows a tendency to exceed slightly beyond the general outline of the shell, but both species are very slender and differ also in the formation of their columellar pleats, which are narrower and fewer in the case of *H. musorstomi*. *Hydroginella marina* n. sp. cannot be confused with any species of another genus in the Marginellidae on account of the characteristic formation of the aperture showing a callused ridge on columellar side and denticles labrally.

Acknowledgements: Many thanks to Dietmar Amon of Lissenung Island, New Ireland who collected the grit sample the new species was found in.

Literature:

Cossignani, T. (2006): Marginellidae and Cystiscidae of the World.

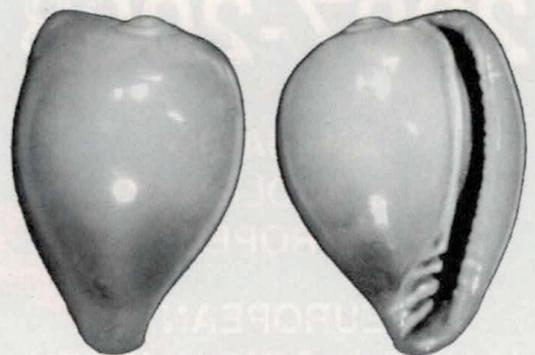


fig 1: *Hydroginella marina*, holotype



fig. 2: *Hydroginella marina*, Types, bottom right: holotype coll. MNHN Paris