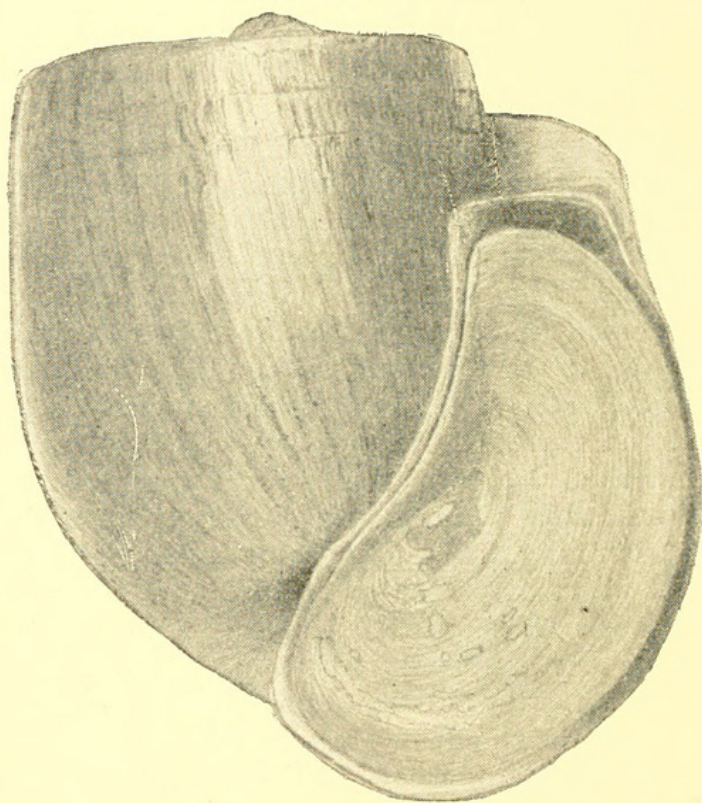


NOTE ON THE IDENTITY OF *AMPULLARIA BROHARDI*, GRANGER,
WITH *A. POLITA*, DESH.

By EDGAR A. SMITH, F.Z.S., etc.

Read 8th December, 1899.

THE remarkable shell upon which this so-called species was founded has recently been acquired by the British Museum (Natural History). On examination and comparison with the known species of the genus it is clearly seen to be merely an abnormal growth of *A. polita*, Deshayes. In his description¹ M. Granger observes that this unique shell is not a monstrosity, because it does not present any trace of an old fracture or accidental deformity.



Ampullaria Brohardi, Granger, = *A. polita*, Desh., monstr.

Curiously enough, however, he does not describe the upper whorls, merely remarking that the apex is eroded. They are six in number, of which the first three are normal. The first, second, and half the third are much worn away, and deep purple-brown as in *A. polita*. The last half of the third whorl is convex, of an olive tint, and

¹ Le Naturaliste, 1892, p. 97, fig.

smooth, and has the peculiar glossy surface which is so characteristic of this species. It is at this point, the commencement of the fourth volution, that the irregularity of growth commences, and is indicated by a deep erosion. What caused the sudden depression of the upper part of the succeeding whorls is not evident, but I am convinced that it is abnormal. M. Granger points out that the upper part of the operculum does not fit the aperture, a feature not shown in his figure. Such being the case practically proves the abnormality of the shell, for in this genus the operculum is invariably modelled to the form of the aperture. The latter is precisely similar to that of *A. polita*, of which *A. pagoda*, Morelet,¹ is a synonym. The interior is of the same deep purple-brown tint, the columellar margin is reddish, within the outer lip is a slight thickening, and the extreme margin is almost black, all of which peculiarities are characteristic of *A. polita*. This species occurs commonly in Camboja,² the country whence *A. Brohardi* was obtained.

¹ Séries Conch., p. 291. Type in British Museum.

² Vide Martens, Proc. Zool. Soc., 1860, p. 12; Crosse & Fischer, Journ. de Conch., 1876, p. 316; Mabille & Le Mesle, Journ. de Conch., 1866, p. 134; Morlet, Journ. de Conch., 1889, p. 151, etc.



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