

a very slight twist on its front edge and a minute umbilical chink behind; the lip is not emarginate in front. L. 0.15. B. 0.1. Greatest breadth of mouth in front, 0.05.

There has been some confusion regarding this species, perhaps in consequence of the rarity of the third volume of Poli's *Molluschi* by Chiaje, which is rarely to be found in even the best public libraries. There is no *Bullina undata* in Chiaje's work. Adams in his *Genera*, vol. ii. p. 8, quotes *Bullina undata*, Brug. (see *Encycl. méthod. vers*, vol. i. p. 380, sp. 16, which = *Bulla nitidula*, Dill., p. 483, and *Bullina elegans*, Menke, *Syn. Method*, 2d ed., p. 125; see also Mart., *Conch. Cab.*, vol. i. p. 283, Vign. on p. 174, pl. xiv. figs. 4, 5), as that figured by him at pl. lvi. figs. 5, 5a., but in the explanation of the plate, vol. iii., he attributes the "*Bullina undata*" of figs. 5 and 5a. to Chiaje, Poli, vol. iii. pl. xlvi. fig. 29, but in Adams, plate lvi. figs. 5 and 5a., it is obvious that two quite different shells are presented. Of these 5a. represents probably *Bulla scabra*, Chem., while fig. 5 is certainly copied from Chiaje, as stated, only the copy is bad as introducing a distinct-whorled spire, while Chiaje's original presents only a minute dome-shaped tip. In the text, Chiaje at p. xx. bis, p. xliii., and at p. 27, describes the shell and animal he had figured (in pl. xlvi. figs. 29, 30) as *Bulla pisum*, Féruss., *Dictionnaire classifié d'histoire naturelle*, p. 573.

What the *Bulla pisum*, Féruss., may be, I do not know; Chiaje's species, so called, is obviously not a *Bullina* (which is a mere synonym for *Aplustrum*), and may probably be *Bulla striata*, Brug. In any case he has no *Bullina undata*. Adams' *Bullina undata* is a hopeless confusion throughout. In these circumstances I have considered the Challenger shell as a new species, and have given it the name of Professor Seguenza, who individualised and figured, though he did not describe it.

5. *Utriculus*, Brown, 1844.

Species.

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| 1. <i>Utriculus mamillatus</i> (Philippi). | 11. <i>Utriculus simillimus</i> , Wats. |
| 2. <i>Utriculus planospira</i> (A. Adams). | 12. <i>Utriculus (Tornatina) canaliculatus</i> (Say). |
| 3. <i>Utriculus</i> , n. sp., Wats. | 13. <i>Utriculus (Tornatina) voluta</i> (Quoy and Gaimard). |
| 4. <i>Utriculus spatha</i> , Wats. | 14. <i>Utriculus (Tornatina) leptekes</i> , Wats. |
| 5. <i>Utriculus leucus</i> , Wats. | 15. <i>Utriculus (Tornatina) acrobeles</i> , Wats. |
| 6. <i>Utriculus complanatus</i> , Wats. | 16. <i>Utriculus (Tornatina) avenarius</i> , Wats. |
| 7. <i>Utriculus tornatus</i> , Wats. | 17. <i>Utriculus (Tornatina) aratus</i> , Wats. |
| 8. <i>Utriculus amphizostus</i> , Wats. | 18. <i>Utriculus (Tornatina) amboinensis</i> , Wats. |
| 9. <i>Utriculus oryctus</i> , Wats. | 19. <i>Utriculus (Tornatina) pachys</i> , Wats. |
| 10. <i>Utriculus famelicus</i> , Wats. | |

1. *Utriculus mamillatus* (Philippi).

Bulla mamillata, Philippi, *Enumeratio Moll. Sicil.*, vol. i. p. 122, pl. vii. fig. 20, vol. ii. p. 95.

„ (*Tornatina*) *mamillata*, Adams in Sowerby's *Thes. Conch.*, vol. ii. pt. 11, p. 566, sp. 13, pl. cxxi. fig. 26.

Cylichna mamillata, Forbes and Hanley, *Brit. Moll.*, vol. iii. p. 514, pl. cxiv. (c.) figs. 4, 5.

Utriculus mamillatus, Gwyn Jeffreys, *Brit. Conch.*, vol. iv. p. 420, vol. v. pl. xciv. fig. 1.

„ „ Monterosato, *Enumerazione*, p. 50.

„ „ Seguenza, *Form. Terz. Calabria*, pp. 251, 351.

February 10, 1873. Tenerife, Canaries. 75 fathoms.