

*Nucula uruguayensis*, Smith (Pl. XVIII. figs. 12–12*b*).

*Nucula uruguayensis*, Smith, Ann. and Mag. Nat. Hist., 1880, ser. 5, vol. vi. p. 320.

*Habitat*.—Station 321, off Monte Video, at the mouth of the Rio de la Plata, in 13 fathoms; mud.

In describing this species I followed Hanley, whose excellent monograph of the Nuculidæ I then consulted, in regarding the longer side anterior, and that towards which the beaks incline posterior, which is the reverse of what has been done in the descriptions in this Report. The six specimens obtained by the Challenger are adult, and show that the species is constant in form and general facies. They are of the same olivaceous tint as the type, but exhibit at intervals rather more distinctly a few darker concentric zones where the valves are somewhat deeply furrowed at periods of arrested growth.

*Nucula reticulata*, Jeffreys.

*Nucula reticulata*, Jeffreys, Ann. and Mag. Nat. Hist., 1876, ser. 4, vol. xviii. p. 429.

*Nucula reticulata*, Jeffreys, Proc. Zool. Soc. Lond., 1879, p. 583, pl. xlvi. fig. 7.

*Habitat*.—Station 78, off San Miguel, Azores, in 1000 fathoms; volcanic mud.

It is on the authority of Dr. Gwyn Jeffreys, who has examined the few valves from this locality, and referred to them in the latter of the above works, that I designate these with this name, for I have not seen the types procured by the "Valorous" expedition. They agree very fairly with his description, but are more angular in front than the figure, of which the anterior margins do not slope to "a rather sharp point."

*Nucula profundorum*, n. sp. (Pl. XVIII. figs. 13–13*a*).

Testa rotundata, paulo inæquilateralis, modice convexa, pallide flavescens, nitida, tenuissime radiatim substriata, ad apicem marginemque inferiorem versus lævis. Linea cardinis fortiuscula, dentibus undenis in valva dextra novenisque in sinistra instructa. Pagina interna radiatim tenuissime lineata, margine externo minute lirato-denticulato circumdata.

Length 3 mm., height  $2\frac{1}{2}$ , diameter  $1\frac{3}{4}$ .

*Habitat*.—Station 246, Mid North Pacific, in 2050 fathoms; Globigerina ooze.

This species is very like the Atlantic *Nucula reticulata*, Jeffreys, but may, I think, be separated. It is perhaps a little rounder, slightly more equilateral, and much more finely striated, indeed, the striæ should rather be described as hair-like whitish lines