

*Dimensions*.—Diameter of the sphere 0·08, pores 0·006, bars 0·003; diameter of the circular ring 0·16; length of the radial spines 0·02 to 0·04; thickness of the ring and the axial beams 0·01.

*Habitat*.—Fossil in the Barbados rocks.

6. *Saturnalis rotula*, n. sp. (Pl. 13, fig. 15).

Pores of the spherical shell regular, circular, twice as broad as the bars; sixteen to twenty on the half equator. Ring circular, armed with fifteen to twenty strong, conical, irregular spines, partly simple, partly divided into two or three irregular branches; diameter of the ring two and a half times as great as that of the sphere.

*Dimensions*.—Diameter of the sphere 0·08, pores 0·004, bars 0·002; diameter of the circular ring 0·2, length of its spines 0·02 to 0·03; thickness of the ring and the radial beams 0·01.

*Habitat*.—North Pacific, Station 244, surface.

Subfamily SPHÆROSTYLIDA, Haeckel, 1881, Prodrömus, pp. 449, 451.

*Definition*.—Stylosphærida with two concentric, spherical lattice-shells.

Genus 48. *Stylosphæra*,<sup>1</sup> Ehrenberg, 1847, Monatsber. d. Berlin Akad., p. 54.

*Definition*.—Stylosphærida with two concentric lattice-spheres and two free spines of equal size and similar form.

The genus *Stylosphæra*, the most simple form of the Sphærostylida, can be derived either from *Xiphosphæra* by duplication of the spherical shell, or from *Carposphæra* by development of two opposite polar spines. The inner or medullary shell is enclosed in the central capsule, whilst the outer or cortical shell lies outside it; the two are connected by two or more radial beams, piercing the wall of the capsule.

Subgenus 1. *Stylosphærantha*, Haeckel.

*Definition*.—Pores of the cortical shell regular, of nearly equal size and similar form; surface smooth or a little rough, without spines or thorns.

1. *Stylosphæra musa*, n. sp.

Radial proportion of the two concentric spheres = 3 : 1. Cortical shell thin walled, smooth, with regular, hexagonal pores, three times as broad as the thin bars; twelve on the half equator. Polar spines three-sided pyramidal, as long as the axis of the cortical shell, one-tenth as broad at the base.

*Dimensions*.—Diameter of the outer shell 0·2, pores 0·01, bars 0·003; diameter of the inner shell 0·06; length of the polar spines 0·2, basal breadth 0·02.

*Habitat*.—Tropical Atlantic, Station 347, depth 2250 fathoms.

<sup>1</sup> *Stylosphæra* = Sphere with styles;  $\sigma\tau\tilde{\upsilon}\lambda\omicron\varsigma, \sigma\varphi\sigma\tilde{\iota}\rho\alpha$ .