

2. *Amphisphæra uranus*, n. sp.

Radial proportion of the three spheres = 4:2:1. Cortical shell thick walled, smooth, with regular, circular pores, three times as broad as the bars; ten to twelve on the half equator. Polar spines three-sided pyramidal, about as long as the diameter of the outer shell, twice as broad at the base as one pore.

*Dimensions*.—Diameter of the outer shell 0.12, middle 0.06, inner 0.03; pores of the cortical shell 0.012, bars 0.004; length of the polar spines 0.1, basal breadth 0.024.

*Habitat*.—Western Indian Ocean, Zanzibar, 2200 fathoms, Pullen.

3. *Amphisphæra jupiter*, n. sp.

Radial proportion of the three spheres = 10:3:2. Cortical shell thick walled, smooth, with regular, circular pores, twice as broad as the bars; twenty to twenty-five on the half equator. Polar spines cylindro-conical, nearly as long as the axis of the outer shell, twice as broad at the base as one pore.

*Dimensions*.—Diameter of the outer shell 0.2, middle 0.06, inner 0.04; pores of the cortical shell 0.01, bars 0.005; length of the polar spines 0.15 to 0.18, breadth 0.02.

*Habitat*.—South Atlantic, Station 332, depth 2200 fathoms.

Subgenus 2. *Amphisphærella*, Haeckel.

*Definition*.—Pores of the cortical shell regular, of nearly equal size and similar form; surface thorny or spiny.

4. *Amphisphæra apollo*, n. sp.

Radial proportion of the three spheres = 3:1.5:1. Cortical shell thick walled, spiny, with regular, circular, hexagonally framed pores, of the same breadth as the bars; twenty to twenty-two on the half equator. In each hexagon-corner (between three pores) a bristle-like radial spine. Polar spines cylindrical, with conical apex; one to one and a half times as long as the axis of the outer shell, as broad as three pores at the base. (Resembles closely *Xiphosphæra pallas*, Pl. 14, fig. 4, but differs in the presence of two medullary shells and the absence of the fine denticulations on the hexagonal crests.)

*Dimensions*.—Diameter of the outer shell 0.12, middle 0.06, inner 0.04; pores and bars of the cortical shell 0.006; length of the polar spines 0.15, breadth 0.02.

*Habitat*.—Western Tropical Pacific, Station 224, depth 1850 fathoms.

5. *Amphisphæra mercurius*, n. sp.

Radial proportion of the three spheres = 3:2:1. Cortical shell thin walled, spiny, with regular, circular pores, twice as broad as the bars; fifteen to eighteen on the half equator; between