

Dimensions.—Diameter of the outer sphere 0·12, pores 0·014, bars 0·007; inner sphere 0·06; length of the major spine 0·13, of the minor 0·05, greatest breadth 0·04.

Habitat.—Southern Pacific, surface, Station 289.

Subgenus 3. *Sphærostylissa*, Haeckel.

Definition.—Pores of the cortical shell irregular, of different size or form; surface smooth or a little rough.

6. *Sphærostylus cottus*, n. sp.

Cortical shell thick walled, smooth, about twice as broad as the medullary shell, with irregular, roundish pores, scarcely larger than the bars; fifteen to twenty on the half equator. Polar spines conical, the major once and a half to twice as long as the axis of the outer sphere, the minor scarcely as long as its radius.

Dimensions.—Diameter of the outer sphere 0·14, pores and bars 0·008 to 0·012; inner sphere 0·065; length of the major spine 0·2 to 0·3, of the minor 0·05 to 0·07, basal breadth 0·03.

Habitat.—Northern Atlantic, Færøe Channel, surface, John Murray.

7. *Sphærostylus trigla*, n. sp.

Cortical shell thin walled, smooth, three times as broad as the medullary shell, with irregular, roundish pores, two to three times as broad as the bars; ten to twelve on the half equator. Polar spines very unequal; the major three-sided pyramidal, one and a half times as long as the axis of the outer sphere; the minor scarcely as long as its radius, edged, pommel-like.

Dimensions.—Diameter of the outer sphere 0·12, pores 0·01 to 0·015, bars 0·005; inner sphere 0·04; length of the major spine 0·2, of the minor 0·05, breadth 0·03.

Habitat.—Northern Pacific, Station 241, depth 2300 fathoms.

Subgenus 4. *Sphærostylomma*, Haeckel.

Definition.—Pores of the cortical shell irregular, of different size or form; surface spiny or thorny.

8. *Sphærostylus ophidium*, n. sp. (Pl. 16, figs. 14, 15).

Stylosphaera ophidium, Haeckel, 1878, Atlas, *loc. cit.*

Cortical shell thin walled, thorny, twice as broad as the medullary shell, with irregular, roundish pores; eight to ten on the half equator. Polar spines conical, more or less curved or S-shaped; the minor scarcely as long as the axis of the outer sphere, the major two to three times as long.