

4. *Carposphæra melissa*, n. sp.

Cortical shell thick walled, four times as broad as the medullary shell, with regular circular, hexagonally framed pores, three times as broad as the bars. Eight to ten pores on the quadrant. Medullary shell with simple circular pores.

*Dimensions*.—Diameter of the outer shell 0·16, inner 0·04, outer pores 0·012, bars 0·004.

*Habitat*.—Central Pacific, Station 268, depth 2900 fathoms.

5. *Carposphæra melitomma*, n. sp. (Pl. 20, fig. 4).

*Melitomma melittosphæra*, Haeckel, 1881; Prodrömus et Atlas, *loc. cit.*

Cortical shell thick walled, with thorny surface, two and a half times as broad as the medullary shell. Its pores regular, circular, twice as broad as the bars, elegantly six-lobed, separated by crested hexagonal frames; in each hexagon-corner a short conical papilla (alternating with a lobe). Eight to ten pores on the quadrant. Medullary shell with small simple circular pores.

*Dimensions*.—Diameter of the outer shell 0·17, inner 0·07, outer pores 0·01, bars 0·005, inner pores 0·005.

*Habitat*.—Central Pacific, Stations 266 to 274, in various depths.

Subgenus 2. *Cerasosphæra*, Haeckel, 1881, Prodrömus, p. 451.

*Definition*.—Pores of the cortical shell regular, circular, without hexagonal frames, all of nearly equal size and form.

6. *Carposphæra cerasus*, n. sp.

Cortical shell thin walled, smooth, twice as broad as the medullary shell; both with regular circular pores, six times as broad as the bars. Twelve to fifteen pores on the quadrant. Outer pores twice as large as the inner.

*Dimensions*.—Diameter of the outer shell 0·24, inner 0·12; outer pores 0·016, inner 0·008.

*Habitat*.—Central Pacific, Station 271, surface.

7. *Carposphæra apiculata*, Haeckel.

? *Haliomma apiculatum*, Ehrenberg, 1872; Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 313.

Cortical shell thin-walled, covered with numerous short conical thorns, three times as broad as the medullary shell. Pores regular, circular, four times as broad as the bars. Six to eight pores on the quadrant.

*Dimensions*.—Diameter of the outer shell 0·15, inner 0·05, outer pores 0·012, bars 0·03.

*Habitat*.—North Pacific, California, depth 2000 fathoms; Station 254, depth 3025 fathoms.