

7. *Siphonosphæra conifera*, n. sp. (Pl. 6, fig. 9).

Shell subspherical, everywhere occupied by irregular conical tubules, the length of which nearly reaches the shell radius. Inner aperture of the cones two to three times as large as the outer. Four to five tubules in the half meridian of the shell. Distances between the bases of the cones small and irregular.

*Dimensions*.—Diameter of the shell 0·06 to 0·08, length of the tubules 0·03 to 0·04; inner aperture of the cones 0·01 to 0·02, outer aperture 0·008 to 0·01.

*Habitat*.—Indian Ocean, Cocos Islands, Rabbe, surface.

8. *Siphonosphæra fragilis*, n. sp.

Shell quite irregular roundish or nearly ovate, very thin and fragile, everywhere occupied by irregular, short, and broad cylindrical or conical tubes. Six to ten tubes in the half meridian of the shell. Diameter of the tubules about one-eighth that of the shell, three to four times as large as the length of the tubules, and the distance apart of their bases.

*Dimensions*.—Diameter of the shell 0·16 to 0·24, of the tubules 0·02 to 0·03; length of the tubules 0·006 to 0·008, distance of them 0·005 to 0·009.

*Habitat*.—East coast of Australia, Sydney, Faber; Station 165, surface.

Subgenus 2. *Merosiphonia*, Haeckel.

*Definition*.—Only part of the shell apertures prolonged in tubules, the others simple.

9. *Siphonosphæra socialis*, n. sp. (Pl. 6, figs. 1, 2).

Shell a regular or subregular sphere, bearing only a small number (one to four, commonly two to three) of short and broad cylindrical tubules, irregularly scattered. Between them many small circular or subcircular pores of different sizes, double as broad as their bars. Eight to ten pores in the half meridian of the shell. Tubules three to six times as broad as the pores, about as long as broad, now quite cylindrical, now somewhat dilated at the outer opening. (Although the shells and cells of this common species are among the smallest, their colonies are among the largest, often containing more than one hundred social individuals, often enclosed in alveoles.)

*Dimensions*.—Diameter of the shell 0·04 to 0·05, of the pores 0·002 to 0·004, of the tubules 0·015 to 0·02; length of them about the same.

*Habitat*.—Tropical and subtropical part of the Eastern Atlantic, Cape Verde Islands, Canaries, very common, Haeckel; Stations 338 to 353, surface.

10. *Siphonosphæra polysiphonia*, n. sp.

Shell a regular or subregular sphere, bearing twelve to sixteen circular pores in its half meridian. Nearly one half the pores simple, very small; the other half prolonged into short cylindrical tubules,