

*Dimensions.*—Diameter of the shell 0·07 to 0·12, of the pores 0·008 to 0·016, of the bars 0·001; length of the tubuli 0·02 to 0·03, inner aperture 0·03 to 0·04, outer aperture 0·02 to 0·03.

*Habitat.*—Indian Ocean, Sunda Strait, Rabbe.

6. *Solenosphæra ascensionis*, n. sp. (Pl. 7, fig. 9).

Shell somewhat irregular, subspherical, with polygonal pores of different size. Twelve to fifteen pores in the half meridian of the shell, two to eight times as broad as their bars. Porous tubuli of the shell of variable number (in one and the same colony), three to nine, mostly five to seven; conical or nearly cylindrical, irregular, about as long as broad at their base. Inner aperture of the tubuli two to four times as broad as the broadest pores, and double as broad as the truncated circular outer aperture.

*Dimensions.*—Diameter of the shell 0·1 to 0·12, of the pores 0·004 to 0·018, of the bars 0·002, length of the tubuli 0·04, inner aperture 0·04, outer 0·02.

*Habitat.*—South Atlantic, near Ascension Island, Station 343, surface.

Subgenus 3. *Solenosphyra*, Haeckel.

*Definition.*—Tubuli of the shell funnel-like, the outer aperture much larger than the inner.

7. *Solenosphæra cornucopia*, n. sp. (Pl. 7, fig. 8).

Shell spherical or subspherical, with roundish pores of different size. Ten to twelve pores in the half meridian of the shell, two to three times as broad as the bars. Porous tubuli of the shell of variable number (in one and the same colony), four to eight, mostly five to seven, funnel-like, about as long as the diameter of the shell. Inner aperture of the tubuli commonly two-thirds or three-fourths as broad as the radius of the shell (or somewhat smaller), only one-half or two-thirds as broad as the dilated and truncated outer aperture.

*Dimensions.*—Diameter of the shell 0·07 to 0·09, of the pores 0·006 to 0·018; length of the tubuli 0·06 to 0·08, diameter of the inner aperture 0·04 to 0·05, of the outer 0·06 to 0·08.

*Habitat.*—Central Pacific, Station 271, depth 2425 fathoms.

8. *Solenosphæra amalthea*, n. sp.

Shell irregular roundish or spherical, with small circular pores of different size. Fifteen to twenty pores in the half meridian of the shell, but still not as broad as the bars. Porous tubuli of the shell of variable number (in one and the same colony), three to six, commonly four or five, funnel-like, about as long as the radius of the shell. Inner aperture of the tubuli about half as broad as the radius of the shell, only one-half or one-third as broad as the truncated outer aperture. (This species is intermediate between the preceding and *Siphonosphæra chonophora*, Pl. 6, fig. 5.)