

7. *Aulosphæra verticillata*, n. sp.

Radial tubes slender, cylindro-conical, straight, tapering towards the distal end, about as long as the smooth, cylindrical, tangential tubes; armed with eight to twelve verticils of three curved, simple, lateral branches. (Very similar to the tubes of *Aulastrum trichoceros*, Pl. 111, fig. 5a.)

*Dimensions*.—Diameter of the sphere 1·6; tangential tubes 0·15 long, 0·008 broad.

*Habitat*.—South Pacific, Station 300, surface.

8. *Aulosphæra spathillata*, n. sp. (Pl. 109, figs. 7, 7a).

Radial tubes slender, cylindro-conical, straight, tapering towards the distal end, two to three times as long as the smooth, cylindrical, tangential tubes; armed with two or three distal alternate verticils, each of which forms a horizontal cross of four (sometimes three or five) equidistant branches; their distal ends are on the terminal cross simple hooks, on the proximal cross spathillæ.

*Dimensions*.—Diameter of the sphere 3·2; tangential tubes 0·12 to 0·16 long, 0·01 broad.

*Habitat*.—South-Eastern Pacific (off Valparaiso), Station 298, depth 2225 fathoms.

9. *Aulosphæra cruciata*, Haeckel (Pl. 109, fig. 10).

*Aulosphæra elegantissima*, R. Hertwig (*non* Haeckel), 1879, Organism. d. Radiol., p. 90, Taf. ix. fig. 1; Taf. x. figs. 2, 4, 5, 8, 14, 15.

? *Aulosphæra pourtalesii*, Duncan, 1881, Journ. Roy. Micr. Soc., p. 175, pl. iii. figs. 1-3.

Radial tubes slender, cylindro-conical, straight, tapering towards the distal end, twice as long as the smooth, cylindrical, tangential tubes; armed with four to eight cruciate equidistant verticils, each of which forms a regular cross of four equal, horizontal, lateral branches, bearing at the end a small knob or spathilla.

*Dimensions*.—Diameter of the sphere 1·2 to 1·8; tangential tubes 0·1 to 0·15 long, 0·003 broad.

*Habitat*.—Mediterranean (Messina), North Atlantic (Canary Islands), Caribbean Sea.

10. *Aulosphæra elegantissima*, Haeckel.

*Aulosphæra elegantissima*, Haeckel, 1862, Monogr. d. Radiol., p. 359, Taf. x. fig. 5; Taf. xi. figs. 5, 6.

Radial tubes cylindrical, straight, twice as long as the smooth, cylindrical, tangential tubes; armed with four to eight equidistant verticils, each of which is composed of eight to twelve simple, horizontal, lateral branches.

*Dimensions*.—Diameter of the sphere 1·5 to 2; tangential tubes 0·12 to 0·16 long, 0·004 broad.

*Habitat*.—Mediterranean (Messina), surface.

11. *Aulosphæra bisternaria*, n. sp. (Pl. 109, figs. 11, 12).

Radial tubes cylindrical, straight, about as long as the cylindrical tangential tubes, smooth or somewhat thorny, armed at the distal end with two alternate verticils of three branches, which bear