

a terminal spathilla; the proximal branches are twice as long as the distal, and alternate with them regularly, so that the six branches lie in six different meridional planes.

*Dimensions*.—Diameter of the sphere 2.5; tangential tubes 0.2 long, 0.01 broad.

*Habitat*.—Antarctic Ocean, Station 156, surface.

12. *Aulosphæra dendrophora*, n. sp. (Pl. 109, figs. 1, 2).

Radial tubes cylindrical, straight, about as long as the cylindrical, smooth, tangential tubes, armed in the distal half with three verticils of four crossed branches; the four proximal branches are three times as long as the four distal, and twice as long as the four intermediate branches. All twelve branches bear a terminal spinulate knob, and lie in two perpendicularly crossed meridian planes.

*Dimensions*.—Diameter of the sphere 2.2 to 2.8; tangential tubes 0.2 long, 0.01 broad.

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

13. *Aulosphæra sceptrophora*, n. sp. (Pl. 109, figs. 3, 4).

Radial tubes straight, in the proximal half conical, with inflated base; in the distal half cylindrical, with five or six cruciate verticils, each of which has four perpendicularly crossed teeth. Tangential tubes half as long as the radial tubes, in the middle part very thin, thickened towards both ends.

*Dimensions*.—Diameter of the sphere 1.2; tangential tubes 0.1 long, 0.002 broad in the middle part, 0.012 on both ends.

*Habitat*.—Central Pacific, Station 266, depth 2750 fathoms.

14. *Aulosphæra spathophora*, n. sp.

Radial tubes slender, cylindrical, more or less curved, about three times as long as the tangential tubes, in the distal half with eight to twelve verticils of six to eight lateral branches, which are forked, decrease in length towards the distal end, and bear on each ramule a terminal spathilla. Tangential tubes slightly curved and thorny. (Similar to *Auloplegma perplexum*, Pl. III, fig. 8a, but with a simple lattice-sphere.)

*Dimensions*.—Diameter of the sphere 2.2; tangential tubes 0.2 long, 0.006 broad.

*Habitat*.—North Pacific, Station 244, depth 2900 fathoms.

Subgenus 4. *Aulosphæromma*, Haeckel.

*Definition*.—Radial tubes spiny or thorny, with irregular lateral branches, often with forked distal ends.