

Subgenus 2. *Aulosphærella*, Haeckel.

*Definition*.—Radial tubes smooth, without lateral branches or spines, but armed with a verticil of teeth at the distal end.

3. *Aulosphæra diodon*, n. sp.

Radial tubes cylindro-conical, straight, smooth, of the same length as the smooth, cylindrical, tangential tubes; armed at the distal end with two divergent terminal teeth, which are slightly curved, pincer-shaped, and about one-fourth as long as the tube.

*Dimensions*.—Diameter of the sphere 2.5; tangential tubes 0.16 long, 0.003 broad.

*Habitat*.—South Atlantic, Station 332, depth 2200 fathoms.

4. *Aulosphæra triodon*, n. sp. (Pl. 109, fig. 8).

Radial tubes cylindrical, straight, smooth, two to three times as long as the smooth, cylindrical, tangential tubes; armed at the distal end with three divergent terminal teeth, which are straight or slightly curved and about one-third as long as the tube.

*Dimensions*.—Diameter of the sphere 1.2; tangential tubes 0.1 long, 0.01 broad.

*Habitat*.—North-Eastern Pacific (off Japan), Station 231, surface.

5. *Aulosphæra tetrodon*, n. sp.

Radial tubes slender, cylindrical, straight, smooth, about three times as long as the smooth, cylindrical, tangential tubes; armed at the distal end with a regular cross of four terminal teeth, which are directed almost horizontally, and are slightly recurved (just as in *Aulosphæra spathillata*, Pl. 109, fig. 7, but longer and without lateral verticils).

*Dimensions*.—Diameter of the sphere 1.6; tangential tubes 0.15 long, 0.005 broad.

*Habitat*.—South Pacific, Station 289, depth 2550 fathoms.

6. *Aulosphæra polyodon*, n. sp.

Radial tubes slender, spindle-shaped, gradually tapering towards the two ends, smooth, about twice as long as the cylindrical, smooth, tangential tubes; armed at the distal end with a verticil of twelve to twenty or more divergent, conical, slightly curved teeth.

*Dimensions*.—Diameter of the sphere 3.3; tangential tubes 0.2 long, 0.01 broad.

*Habitat*.—Central Pacific, Station 272, depth 2600 fathoms.

Subgenus 3. *Aulosphærisa*, Haeckel.

*Definition*.—Radial tubes verticillate, armed with a variable number of regular verticils of lateral branches.