

1. *Trypanosphæra trepanata*, n. sp. (Pl. 5, fig. 4).

Shell regular spherical, with regular circular pores of nearly equal size, at unequal distances, one to four times as broad as the bars. Eight to ten pores on the half meridian. All the pores prolonged into short cylindrical tubuli about as long as broad, armed on the external mouth with an elegant coronal of twenty to thirty straight bristle-shaped, parallel teeth.

*Dimensions*.—Diameter of the shell 0.12 to 0.14, of the pores 0.015 to 0.02; length of the tubuli 0.02.

*Habitat*.—Central Pacific, Station 268, depth 2900 fathoms.

2. *Trypanosphæra dentata*, n. sp.

Shell regular spherical, with regular circular pores of equal size, but at very different distances. Only three to four pores on the half meridian. All the pores prolonged into irregular curved, cylindrical tubuli, about as long as the shell radius, with a coronal of ten to twelve short conical teeth on the distal end.

*Dimensions*.—Diameter of the shell 0.08 to 0.09; length of the tubuli 0.04, breadth 0.02.

*Habitat*.—Central Pacific, Station 274, depth 2750 fathoms.

Subgenus 2. *Trypanosphærium*, Haeckel.

*Definition*.—Only part of the shell-pores prolonged into coronated tubules.

3. *Trypanosphæra coronata*, n. sp. (Pl. 5, fig. 3).

Shell regular spherical, with irregular roundish pores of very different sizes. On the half meridian four to six large and twelve to sixteen very small pores. About half of the large pores prolonged into short cylindrical tubuli, the outer mouth of each being armed with an elegant coronal of ten to twenty thin irregular teeth.

*Dimensions*.—Diameter of the shell 0.1 to 0.12, of the large pores 0.01 to 0.02, of the small pores 0.001; length of the tubuli 0.012.

*Habitat*.—North Pacific, Station 241, depth 2300 fathoms.

4. *Trypanosphæra terebrata*, n. sp.

Shell irregular roundish, with unequal, small, roundish pores. Sixteen to twenty pores on the half meridian. Six to eight larger pores are prolonged into curved cylindrical tubuli, about as long as the shell radius, with a coronal of ten to twelve strong conical straight teeth on the distal end.

*Dimensions*.—Diameter of the shell 0.15, of the pores 0.001 to 0.003; length of the tubuli 0.08, breadth 0.02.

*Habitat*.—West Tropical Pacific, Station 225, depth 4575 fathoms.