

3. *Arachnosphæra dolichacantha*, n. sp.

Innermost shell with regular, hexagonal meshes, very small; its diameter only as long as the equal distances between every two concentric shells. At each nodal-point occurs one radial spine with twelve to sixteen verticils (altogether thirty to forty spines).

*Dimensions*.—Diameter of the innermost shell 0.05; distance between the concentric shells 0.04 to 0.05.

*Habitat*.—Central Pacific, Station 265 to 274, surface.

4. *Arachnosphæra increscens*, n. sp.

Innermost shell with regular, hexagonal meshes; its diameter three times as long as the distance between it and the second shell, quite as long as the distance between the fifth and sixth shells; the distances between the concentric shells gradually increasing from the centre. Radial spines about fifty to sixty, each with six to eight verticils.

*Dimensions*.—Diameter of the innermost shell (A) 0.75; distances between the following shells, —A, B=0.025, B, C=0.037, C, D=0.05, D, E=0.062, E, F=0.075, &c.

*Habitat*.—Central Pacific, Station 271, surface.

Subgenus 2. *Arachnosphæromma*, Haeckel.

*Definition*.—Pores of the innermost shell irregular, polygonal.

5. *Arachnosphæra tenuissima*, n. sp.

Innermost shell with irregular, polygonal meshes; its diameter twice as long as the equal distance between every two concentric shells. Forty to fifty radial spines, each with twelve to sixteen verticils.

*Dimensions*.—Diameter of the innermost shell 0.1, distance between the concentric shells 0.04 to 0.05.

*Habitat*.—South Atlantic, Station 332, surface

6. *Arachnosphæra velaris*, n. sp.

Innermost shell with irregular, polygonal meshes; its diameter twice as long as the distance between it and the second shell, quite as long as the distance between the third and fourth shells; the distance between the concentric shells gradually increasing from the centre. Radial spines twenty to thirty, each with ten to twelve verticils.

*Dimensions*.—Diameter of the innermost shell (A) 0.5; distances of the following shells—A, B=0.025, B, C=0.037, C, D=0.05, D, E=0.062, E, F=0.075.

*Habitat*.—Tropical Atlantic, Station 347, surface.