

bristle-shaped radial by-spines. Radial main spines with three smooth edges. (Differs from the first species of the other three genera of Diplosphaerida in the presence of by-spines on the outer, and their absence on the inner shell.)

*Dimensions*.—Diameter of the outer shell 0.32, inner 0.16.

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

2. *Drymosphæra polygonalis*, n. sp. (Pl. 19, fig. 1).

*Diplosphaera polygonalis*, Haeckel, 1879, Atlas.

Inner shell with irregular, polygonal meshes and very thin thread-like bars; outer shell one and a half times as broad, with simple triangular meshes and thicker bars, which bear numerous bristle-shaped radial by-spines (in the figure the majority of these are broken off). Radial main spines with three smooth edges. (Similar to *Leptosphæra polygonalis* and *Diplosphaera polygonalis*, but differs from both in the presence of by-spines on the outer, and their absence on the inner shell.)

*Dimensions*.—Diameter of the outer shell 0.33, inner 0.22.

*Habitat*.—North Pacific, Station 236 south of Japan, surface.

Subgenus 2. *Drymosphæromma*, Haeckel.

*Definition*.—Radial by-spines forked or branched (main spines simple).

3. *Drymosphæra furcata*, n. sp.

Inner shell with irregular, polygonal meshes and thin bars, the former five times as broad as the latter; outer shell two and a half times as broad, with simple triangular meshes and smooth bars, bearing numerous long smooth bristle-shaped by-spines, which in the distal half are forked. Radial main spines with three smooth edges.

*Dimensions*.—Diameter of the outer shell 0.4, inner 0.16.

*Habitat*.—Indian Ocean, Ceylon, surface, Haeckel.

4. *Drymosphæra cladophora*, n. sp.

Inner shell with irregular, polygonal meshes, three to six times as broad as the smooth bars; outer shell twice as broad, with simple triangular meshes and very thin smooth bars, bearing numerous curved, irregularly branched, smooth by-spines. Radial main spines with three serrated edges.

*Dimensions*.—Diameter of the outer shell 0.4, inner 0.2.

*Habitat*.—Central Pacific, Station 276, surface.

5. *Drymosphæra dendrophora*, n. sp. (Pl. 20, figs. 1, 1a, 1b).

Inner shell with irregular, polygonal meshes and very thin thread-like bars; outer shell one and a half times as broad, with simple triangular meshes and thicker bars, which bear a forest of