

5. *Plegmosphæra leptodictyon*, n. sp.

Radius of the spongy shell-cavity six times as great as the thickness of the spongy wall. Inside of the wall closed by a smooth lattice-plate, outside rough spongy.

Dimensions.—Diameter of the shell 0·44, of its cavity 0·36.

Habitat.—Central Pacific, Station 266, surface.

Subgenus 3. *Plegmosphæromma*, Haeckel.

Definition.—Inside of the spongy shell-wall rough spongy, without lattice-plate, outside closed by a smooth lattice-plate.

6. *Plegmosphæra exodictyon*, n. sp. (Pl. 18, fig. 8).

Radius of the spongy shell-cavity only one-fourth as great as the thickness of the spongy shell-wall. Outside of the wall closed by a smooth lattice-plate, inside rough, spongy.

Dimensions.—Diameter of the shell 0·4, of its cavity 0·08.

Habitat.—South Atlantic, Station 325, surface.

Subgenus 4. *Plegmosphærusa*, Haeckel.

Definition.—Inside and outside of the spongy shell-wall rough, with spongy or spiny surface, without lattice-plate.

7. *Plegmosphæra leptoplegma*, n. sp.

Radius of the spherical shell-cavity half as great as the thickness of the loose spongy shell-wall. Inside and outside of the wall rough spongy, not closed by a lattice-plate. Meshes ten to twenty times as broad as the bars.

Dimensions.—Diameter of the shell 0·3, of its cavity 0·088.

Habitat.—North Atlantic, Station 253, surface.

8. *Plegmosphæra pachyplegma*, n. sp.

Radius of the spherical shell-cavity about equal to the thickness of the dark and dense spongy shell-wall. Inside and outside of the wall rough spongy, not closed by a lattice-plate. Meshes three to five times as broad as the bars.

Dimensions.—Diameter of the shell 0·2, of its cavity 0·1.

Habitat.—Central Pacific, Station 270, surface.

Genus 27. *Spongoplegma*,¹ Haeckel, 1881, Prodrömus, p. 455.

Definition.—Liosphærida forming a sphere of spongy framework, which encloses in the centre one single latticed medullary shell.

¹ *Spongoplegma* = Spongy wickerwork ; σπόγγος, πλέγμα.