

1. *Spongocore velata*, n. sp.

Shell ellipsoidal, one and a half times as long as broad, without annular strictures. Spongy framework loose, with rather large meshes, four to six times as broad as the bars. The whole spongy shell enveloped by a delicate veil with smooth surface, connected with it by numerous thin radial beams. Breadth of the spongy ellipsoid (or minor axis) six times as large as its distance from the veil.

*Dimensions*.—Length of the whole shell (with veil) 0·3, breadth 0·2; distance of the veil from the spongy ellipsoid 0·035.

*Habitat*.—South Atlantic, Station 325, surface.

2. *Spongocore diplocylindrica*, n. sp.

Shell cylindrical, three times as long as broad, without annular strictures. Spongy framework compact, with small meshes, twice to three times as broad as the bars. The whole surface of the spongy cylinder, with exception of both rounded polar faces, enveloped by a delicate cylindrical veil with smooth surface, connected with it by numerous radial beams. Diameter of the spongy cylinder twice as large as its distance from the veil.

*Dimensions*.—Length of the shell 0·3, breadth (with veil) 0·1; distance of the veil 0·025.

*Habitat*.—South Pacific, Station 302, surface.

Subgenus 2. *Spongocorisca*, Haeckel.

*Definition*.—Shell distinctly three-jointed, with two transverse annular strictures.

3. *Spongocore chrysalis*, n. sp.

Spongy shell cylindrical, without the veil six times as long as broad, three-jointed, with two annular strictures; all three joints of the same length. The whole spongy shell enveloped by a thin veil with thorny surface, connected with it by numerous radial beams. Breadth of the spongy cylinder three times as large as its distance from the veil.

*Dimensions*.—Length of the shell (with veil) 0·4, breadth 0·1; distance of the veil from the spongy shell 0·02.

*Habitat*.—South Atlantic (off Patagonia), Station 318, surface.

4. *Spongocore cincta*, n. sp.

Spongy shell cylindrical, without the veil four times as long as broad, three-jointed, with two annular strictures; all three joints of the same length. Only the middle joint enveloped by a thin veil with smooth surface, connected with it by radial beams. Both terminal joints with long,