

species resembles in its simple structure the common cosmopolitan *Aulosphæra trigonopa*, and differs from it only in the constant spindle-form of the shell.

*Dimensions*.—Length of the shell 6 to 8, breadth 3 to 4; length of the radial tubes 0·16 to 0·2, breadth 0·008.

*Habitat*.—North Atlantic, Færøe Channel, Gulf Stream (John Murray); Hebrides (Mœbius).

#### 4. *Aulattractus ellipsoides*, n. sp.

Shell ellipsoidal, about twice as long as broad, with equally rounded poles on the main axis. Radial tubes straight, cylindrical, verticillate, about twice as long as the smooth tangential bars; each verticil is cruciate, composed of four rectangularly crossed, short, lateral branches which bear a small spathilla at the distal end.

*Dimensions*.—Length of the shell 6·6, breadth 3·6; length of the radial tubes 0·2, breadth 0·01.

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

### Subfamily 2. AULONIDA, Haeckel.

*Definition*.—Network of the shell with polygonal, usually irregular meshes; three or four tangential tubes usually being united at each nodal point.

#### Genus 688. *Aulonia*,<sup>1</sup> n. gen.

*Definition*.—Aulosphærida with polygonal meshes in the network, the tangential tubes of which form a simple smooth lattice-sphere. No radial tubes at the nodal points.

The genus *Aulonia* is the simplest form of the subfamily Aulonida, or of those Aulosphærida in which the lattice-work of the shell is composed not of triangular but of polygonal meshes; all these Aulonida are much rarer and much less differentiated than the Aularida or the common Aulosphærida with triangular meshes. *Aulonia* has the same simple, smooth, spherical lattice-shell as *Aularia*, and differs from it only in the polygonal form of the meshes, which, however, is very constant.

#### 1. *Aulonia tetragonia*, n. sp.

Meshes regular or subregular, square, sometimes intermingled with a variable number of irregular, triangular, and pentagonal meshes. Bars cylindrical, of equal breadth.

*Dimensions*.—Diameter of the spherical shell 2·0 to 3·2, of the meshes 0·12 to 0·18; breadth of the bars 0·008.

*Habitat*.—Antarctic Ocean, Station 154, depth 1800 fathoms.

<sup>1</sup> *Aulonia* = Tubular object; αὐλός, ὄσιον.