

10. *Acanthometron catervatum*, Haeckel.

*Acanthometra brevispina*, Haeckel, 1862, Monogr. d. Radiol., p. 382, Taf. xv. fig. 5, Taf. xviii. fig. 9.

Spines cylindrical, nearly of equal breadth throughout their whole length. Apex either simple, conical, or bifid. Base with a large leaf-cross, four to six times as broad as the spine itself. Central capsule transparent, yellow. The Atlantic specimens have much longer spines than those figured from the Mediterranean, but are otherwise not different. Therefore I have changed the inconvenient name *brevispinum* into *catervatum*.

*Dimensions*.—Length of the spines 0.1 to 0.3, breadth 0.005 to 0.008; basal leaf-cross 0.02 to 0.032.

*Habitat*.—Mediterranean (Messina); North Atlantic, Station 354, Gulf Stream (Færøe Channel) in great abundance, John Murray, surface.

Subgenus 3. *Astrolithium*, Haeckel, 1860, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 810.

*Definition*.—Spines in the basal part grown perfectly together, so that the whole skeleton forms a single piece of acanthin; a star with twenty equal rays.

11. *Acanthometron bulbiferum*, n. sp. (Pl. 130, fig. 1).

*Astrolithium bulbiferum*, Haeckel, 1881, Prodrömus, p. 466.

Spines needle-shaped, cylindrical, very thin and long, with simple apex; suddenly thickened and forming a broad regular cone at the central base; all twenty conical bulbs have their broad bases grown together and forming a central icosahedron of acanthin; from its twenty faces arise the circular bases of the cones in regular disposition.

*Dimensions*.—Length of the spines 0.2 to 0.5, breadth 0.001 to 0.003; height of the basal cones 0.06, basal breadth of them 0.02.

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

12. *Acanthometron bifidum*, Haeckel.

*Astrolithium bifidum*, Haeckel, 1862, Monogr. d. Radiol., p. 400, Taf. xx. fig. 5.

Spines needle-shaped, cylindrical, of equal breadth in their whole length. Distal apex bifid, with two parallel straight teeth. Central bases of all twenty spines grown perfectly together and forming a central sphere of acanthin. Central capsule brown opaque.

*Dimensions*.—Length of the spines 0.2, breadth 0.003.

*Habitat*.—Mediterranean (Messina), Haeckel, surface.