

26. *Acanthosphæra angulata*, n. sp. (Pl. 26, fig. 4).

Shell thin walled; its pores irregular, roundish, with angular, double-edged margin, two to four times as broad as the bars; six to eight on the radius. Twenty to thirty radial spines pyramidal, angular, with prominent edges, shorter than the radius, as broad at the base as one small mesh.

*Dimensions*.—Diameter of the shell 0·2, pores 0·02 to 0·04, bars 0·01; length of the spines 0·06, basal breadth 0·02.

*Habitat*.—South Atlantic, Station 332, depth 2200 fathoms.

27. *Acanthosphæra conifera*, n. sp.

Shell thick walled, with irregular, roundish pores, twice to five times as broad as the bars; ten to twelve on the radius. Twenty radial spines conical, regularly disposed, half as long as the radius, as broad at the base as one of the largest meshes.

*Dimensions*.—Diameter of the shell 0·2, pores 0·008 to 0·02, bars 0·004; length of the spines 0·05, basal breadth 0·02.

*Habitat*.—Central Pacific, Station 268, depth 2900 fathoms.

28. *Acanthosphæra maxima*, n. sp.

Shell thick walled, with irregular, roundish pores, twice to eight times as broad as the bars; twelve to twenty on the radius. Radial spines very numerous (two to three hundred), short, conical, scarcely as long as the diameter of the largest meshes, and one-third as broad.

*Dimensions*.—Diameter of the shell 0·3 to 0·4, pores 0·008 to 0·03, bars 0·004; length of the radial spines 0·03, basal breadth 0·01.

*Habitat*.—Tropical Atlantic, Station 348, depth 2450 fathoms.

29. *Acanthosphæra simplex*, Haeckel.

*Rhaphidococcus simplex*, Haeckel, Monogr. d. Radiol., 1862, p. 366, figs. 5, 6.

*Cladococcus simplex*, Haeckel, 1860, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 800.

Shell thick walled, with irregular, roundish pores, three to six times as broad as the bars; eight to nine on the radius. Forty to sixty radial spines, about as long as the diameter of the shell, three-sided prismatic, not straight, but more or less bent.

*Dimensions*.—Diameter of the shell 0·12, pores 0·005 to 0·012, bars 0·0015 to 0·02; length of the spines 0·12, breadth 0·003.

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

30. *Acanthosphæra gibbosa*, n. sp.

Shell thin walled, rugged or tuberculate, covered by about twenty hill-shaped tubercles or protuberances with flat valleys between them. Network very delicate, with thread-like bars and