

*Dimensions*.—Diameter of the shell 0·13, larger pores 0·03, smaller 0·003; length of the spines 0·03.

*Habitat*.—Mediterranean (Nice), surface.

22. *Acanthosphæra longispina*, n. sp.

Shell thin walled, with irregular polygonal meshes, four to six times as broad as the bars; six to eight on the radius. Thirty to forty radial spines, three-sided prismatic, twice as broad as the bars, twice to three times as long as the diameter of the shell.

*Dimensions*.—Diameter of the shell 0·12 to 0·15, pores 0·012 to 0·02, bars 0·003; length of the radial spines 0·2 to 0·4, breadth 0·006.

*Habitat*.—North Pacific, Station 253, surface.

23. *Acanthosphæra brevispina*, n. sp.

Shell thick walled, with irregular polygonal meshes, twice to four times as broad as the bars; twelve to sixteen on the radius. Sixty to eighty radial spines, pyramidal, half as long as the radius of the shell, one-fourth as broad at the base.

*Dimensions*.—Diameter of the shell 0·2 to 0·22, pores 0·006 to 0·012, bars 0·003; length of the spines 0·05, basal breadth 0·02.

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

24. *Acanthosphæra acanthica*, Haeckel.

*Cenosphæra acanthica*, Stöhr, 1880, Palæontogr., vol. xxvi. p. 86, Taf. i. fig. 3.

Shell thick walled, with irregular, roundish pores, twice to three times as broad as the bars; seven to nine on the radius. Ten to twenty radial spines pyramidal, shorter than the radius, twice as broad at the base as one mesh.

*Dimensions*.—Diameter of the shell 0·12 to 0·16, pores 0·006 to 0·009, bars 0·003; length of the spines 0·04 to 0·06, basal breadth 0·01 to 0·015.

*Habitat*.—Fossil in Tertiary rocks of Sicily and Barbados.

25. *Acanthosphæra haliphormis*, Ehrenberg.

*Acanthosphæra haliphormis*, Ehrenberg, 1861, Abhandl. d. k. Akad. d. Wiss. Berlin, 1872, Taf. ii. fig. 1.

Shell thick walled, with irregular, roundish pores, twice to four times as broad as the bars; four to five on the radius. Twelve to twenty radial spines pyramidal, longer than the radius, scarcely as broad as one mesh at the base.

*Dimensions*.—Diameter of the shell 0·11, pores 0·01 to 0·02, bars 0·005; length of the spines 0·06 to 0·08, basal breadth 0·01.

*Habitat*.—Arctic Ocean, near Greenland, depth 1000 fathoms.