

inner cortical shell also with irregular, polygonal pores, three to nine times as broad as the thick bars. Both medullary shells with subregular, circular pores (the outer three times as broad as the inner). Radial spines twelve to twenty, three-sided prismatic, stout, piercing the three outer shells, inserted on the innermost; their outer part pyramidal, half as long as the radius.

Dimensions.—Diameter of the four shells—(A) 0.22, (B) 0.15, (C) 0.07, (D) 0.03; meshes of the outer shell 0.02 to 0.04; length of the outer spines 0.05.

Habitat.—Central Pacific, Station 266, depth 2750 fathoms.

8. *Cromyomma mucronatum*, n. sp. (Pl. 30, figs. 5, 5a).

Radial proportion of the three spheres = 1:2:3:6. Outer cortical shell thin walled, with large, irregular, roundish pores and crested three-sided bars; inner cortical shell with regular, circular, hexagonally formed pores (four times as broad as the bars). Both medullary shells with simple, small, regular, circular pores (fig. 5a). Twelve radial spines three-sided prismatic, dagger-shaped, with three teeth, as long as the diameter of the innermost shell.

Dimensions.—Diameter of the four shells—(A) 0.24, (B) 0.12, (C) 0.08, (D) 0.04; meshes of the outer shell 0.02 to 0.04; length of the spines 0.04.

Habitat.—Central Pacific, Station 274, depth 2750 fathoms.

Genus 105. *Cromyechinus*,¹ Haeckel, 1881, Prodrömus, p. 454.

Definition.—A *strosphærida* with four concentric lattice-spheres and numerous simple spines of two different kinds; larger main spines and smaller by-spines.

The genus *Cromyechinus* differs from *Cromyomma* in the same way as *Echinomma* from *Actinomma*; the radial spines being differentiated into two different kinds; a larger number of small by-spines, and a smaller number of large main spines.

1. *Cromyechinus icosacanthus*, n. sp. (Pl. 30, fig. 1).

Radial proportion of the three spheres = 1:2:6:8. Outer cortical shell very delicate, with very small, regular, circular pores, covered with very numerous bristle-shaped by-spines, half as long as the radius; inner cortical shell with very large, irregular, polygonal pores, three to eight times as broad as the bars. Both medullary shells with regular, circular pores, connected with the former by twenty regularly disposed, very thin bars; these are prolonged outside into twenty very stout, three-sided prismatic main spines, as long as the radius, which arise from the inner cortical shell, and at the distal end are cuspidate.

Dimensions.—Diameter of the four shells—(A) 0.16, (B) 0.13, (C) 0.04, (D) 0.02; pores of the outer cortical shell 0.003, of the inner 0.03, bars 0.003; length of the spines 0.08.

Habitat.—Central Pacific, Station 271, depth 2425 fathoms.

¹ *Cromyechinus* = Onion-shaped Urchin; κρόμμιον, ἰχθῖνος.