

2. *Pityomma piniferum*, n. sp.

Cortical shell thin walled, with irregular, roundish pores, connected with both medullary shells by twenty stout radial beams, which are prolonged outside into twenty large three-sided prismatic spines. These are longer than the shell diameter, and have three dentate edges, being branched like a pine tree (with four to six ramified branches on each edge, decreasing in size towards the distal end); similar to those of *Cladococcus abietinus* (Pl. 27, fig. 3). Radial proportion of the three spheres = 1:2:8. Both medullary shells with regular, circular pores, twice as broad as the bars.

Dimensions.—Diameter of the outer shell 0.2, middle 0.5, inner 0.25; length of the spines 0.25.

Habitat.—South Pacific, Station 299 (Juan Fernandez), surface.

3. *Pityomma drymodes*, n. sp. (Pl. 29, fig. 9).

Cortical shell thin walled, connected with both medullary shells by very numerous (one hundred to two hundred or more) very thin radial beams, which are prolonged outside into thin branched radial spines, scarcely half as long as the shell radius, each spine bearing six to nine simple branches. Outer and middle shell uneven, with hill-shaped protuberances and valleys between them; the connecting radial beams, which arise from the top of the protuberances of the middle shell, are inserted into the deepest part of the valleys of the outer shell. Radial proportion of the three spheres = 1:3:8. Outer medullary shell with small, irregular, roundish, or polygonal pores, not much broader than the bars; innermost shell with polygonal pores and very thin bars.

Dimensions.—Diameter of the outer shell 0.28, middle 0.01, inner 0.033; length of the spines 0.07, breadth 0.004.

Habitat.—Central Pacific, Station 271, surface.

Subfamily CROMYOMMIDA,¹ Haeckel, 1881, Prodrömus, pp. 449, 453.

Definition.—Astrosphærida with four concentric spherical lattice-shells.

Genus 104. *Cromyomma*,² Haeckel, 1881, Prodrömus, p. 454.

Definition.—Astrosphærida with four concentric lattice-spheres and numerous simple radial spines of one kind.

The genus *Cromyomma* is the common ancestral form of the Cromyommida, or of those Astrosphærida in which the shell is composed of four concentric spheres, connected by radial beams. Usually two of these are intracapsular or medullary

¹ Cromyommida = Astrosphærida quadruplicia = Tetrasthæria polyacantha.

² *Cromyomma* = Onion-eye; κρόμμον, ὄμμα.