

1. *Castanura tizardi*, n. sp. (Pl. 113, fig. 4, 4a).

Pores regular, circular, without hexagonal frames, twice as broad as the bars. Bristles twice as long as one pore. Radial main-spines somewhat longer than the radius, straight, very stout, with irregular lateral branches, which are partly confluent. Mouth with six strong conical teeth.

*Dimensions*.—Diameter of the shell 0·6, of the pores 0·03.

*Habitat*.—Tropical Atlantic, Station 346, surface.

2. *Castanura havergali*, n. sp.

Pores regular, circular, hexagonally framed, as broad as the bars. Bristles three times as long as one pore. Radial main-spines as long as the shell-diameter, in the basal half simple, in the distal half with irregular, not confluent, lateral branches. Mouth with ten to twelve irregular, parallel, conical teeth of different sizes.

*Dimensions*.—Diameter of the shell 0·5, of the pores 0·045.

*Habitat*.—Indian Ocean, Madagascar (Rabbe), surface.

3. *Castanura swirei*, n. sp.

Pores regular, circular, hexagonally framed, as broad as the bars. Bristles half as long as the radius. Radial main-spines straight, longer than the shell-diameter; on the distal end with a few irregular, confluent, lateral branches. Mouth with six larger and six alternate smaller, parallel, conical teeth.

*Dimensions*.—Diameter of the shell 0·28, of the pores 0·015.

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

4. *Castanura carpenteri*, n. sp.

Pores irregular, roundish, twice to four times as broad as the bars. Bristles about as long as the largest pores. Radial main-spines irregularly curved, longer than the shell-diameter, with inflated and fenestrated conical base; in the distal half irregularly branched, with simple, not confluent, lateral branches. Mouth with six to nine irregular, strong, conical teeth.

*Dimensions*.—Diameter of the shell 0·3, of the pores 0·012 to 0·025.

*Habitat*.—South Atlantic, Station 331, depth 1715 fathoms.

## Family LXXXI. CIRCOPORIDA, Haeckel, 1879 (Pls. 114–117).

*Circoporida*, Haeckel, 1879, Sitzungsber. med.-nat. Gesellsch. Jena, Dec. 12, p. 5.

*Definition*.—PHÆODARIA with a spherical or polyhedral shell, exhibiting a peculiar solid porcellanous structure, with a stellate circle of radial pores around the base of the hollow radial spines. Mouth usually with teeth. Surface of the shell