

Dimensions.—Main axis (without spines) 0·12, greatest breadth 0·08; pores 0·005 to 0·001, bars 0·002; length of the polar spines 0·02 to 0·06, basal thickness 0·01.

Habitat.—Northern Pacific, Californian Sea, depth 2500 fathoms, Ehrenberg; Station 253, depth 3125 fathoms.

Subgenus 2. *Cyphinidura*, Haeckel.

Definition.—On both poles of the cortical shell, a circle of divergent polar spines.

3. *Cyphinidium coronatum*, n. sp.

Cortical shell with thorny surface, and irregular, roundish pores, twice to four times as broad as the bars; seven to eight on the half meridian, eleven to thirteen on the half equator of each chamber. Around both poles of the main axis occurs a circle of ten to twelve strong, radially divergent spines, about as long as the diameter of the outer medullary shell, which, like the inner, is spheroidal. (This species is identical with the younger developmental stage of *Panicium coronatum*, Pl. 40, fig. 4, before the formation of two distal chambers.)

Dimensions.—Main axis 0·12, greatest breadth 0·1; pores 0·008 to 0·016, bars 0·004; length of the polar spines 0·02, thickness 0·005.

Habitat.—Pacific, central area, Stations 270 to 274, depth 2350 to 2925 fathoms.

Genus 161. *Cannartiscus*,¹ n. gen.

Definition.—Cyphinida with simple cortical shell and simple medullary shell, with two hollow fenestrated polar tubes, opposite on both poles of the main axis.

† The genus *Cannartiscus* differs from *Cyphanta* in the development of two hollow fenestrated tubes, opposite on both poles of the main axis. It simulates therefore the characteristic formation of *Cannartus*, and differs from this Artiscid in the possession of a medullary shell.

1. *Cannartiscus amphiconiscus*, n. sp. (Pl. 39, fig. 19).

Cannartidium amphiconiscus, Haeckel, 1882, Atlas (pl. xxxix. fig. 19).

Cortical shell thick walled, smooth, with regular, circular pores, twice as broad as the bars; nine to ten on the half meridian, sixteen to eighteen on the half equator of each chamber. Polar tubes conical, about as long as one single chamber, on the base somewhat broader than the simple spherical medullary shell. Pores of the tubes only one-third as great as those of the chambers.

Dimensions.—Main axis of the cortical shell (without tubes) 0·14, greatest breadth 0·1;

¹ *Cannartiscus* = Small loaf with tubes; κάλυμα, ἀρτίσκος.