

1. *Cyphanta colpodes*, n. sp.

Cortical shell thin walled, with smooth surface; its pores regular, hexagonal, three to four times as broad as the bars; ten to twelve on the half meridian, seven to eight on the half equator. Medullary shell spherical, its diameter one-third of the equatorial axis of the cortical shell. (The cortical shell of this species is nearly identical with the central half of the cortical shell of *Panartus diploconus*, Pl. 40, fig. 1.)

*Dimensions*.—Main axis of the cortical shell 0.12, equatorial axis 0.07; meshes 0.013, bars 0.003; diameter of the medullary shell 0.025.

*Habitat*.—South Pacific, Station 285, depth 2375 fathoms.

2. *Cyphanta circopora*, n. sp.

Cortical shell thick walled, with smooth surface; pores subregular, circular, twice as broad as the bars; eighteen to twenty on the half meridian, twelve to fourteen on the half equator. Medullary shell spherical, its diameter one-half of the equatorial axis of the cortical shell. (The shell of this species is very similar to that of *Cannartiscus amphiconiscus*, Pl. 39, fig. 19, but without the polar tubes of that species.)

*Dimensions*.—Main axis of the cortical shell 0.13, equatorial axis 0.08; meshes 0.007, bars 0.003; diameter of the medullary shell 0.04.

*Habitat*.—Pacific, central area, Station 266, depth 2750 fathoms.

3. *Cyphanta laevis*, Haeckel.

*Ommatospyris laevis*, Ehrenberg, 1872, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 318.

Cortical shell thin walled, with smooth surface; pores of it irregular, roundish, of very different size (some very large in the tropical circles of both hemispheres). Pores twice to six times as broad as the bars; ten to twelve on the half meridian, six to eight on the half equator. Medullary shell spheroidal, compressed, its main axis somewhat shorter than its equatorial axis, which attains half the length of that of the cortical shell. (This species may be perhaps identical with *Ommatospyris laevis* of Ehrenberg, the diagnosis of which is insufficient and figure not given.)

*Dimensions*.—Main axis of the cortical shell 0.1, equatorial axis 0.06; meshes 0.005 to 0.02, bars 0.002 to 0.04; diameter of the medullary shell 0.03.

*Habitat*.—Philippine Sea (Ehrenberg), Station 213, depths 2050 and 3300 fathoms.

4. *Cyphanta arachnoides*, n. sp.

Cortical shell very delicate and thin walled, cobweb-like, with smooth surface; pores irregular, polygonal (mostly pentagonal or hexagonal), eight to ten times as broad as the thread-like bars; ten to twelve on the half meridian, six to eight on the half equator. Medullary shell spheroidal, compressed, its main axis shorter than its equatorial axis, which is about one-third that of the cortical shell. (This species is very similar to the middle part of the shell of *Ommatocampe profundissima*, Ehrenberg, 1872, Abhandl. d. k. Akad. d. Wiss. Berlin, Taf. viii. fig. 6.)