

Subgenus 3. *Lychnocanoma*, Haeckel.

*Definition*.—Feet parallel, vertical, straight, or little curved; divergent in the basal half, often convergent in the distal half; their terminal distance about equal to the basal distance.

16. *Lychnocanium tripodium*, Ehrenberg.

*Lychnocanium tripodium*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 80, Taf. viii fig. 2.

Shell ovate, smooth, with distinct collar stricture. Length of the two joints = 1 : 4, breadth = 1 : 4. Cephalis subglobular, with a slender conical horn twice the length. Thorax inflated, twice as broad as the constricted mouth, with small, regular, circular pores. Three feet slender, prismatic, twice to three times as long as the thorax, nearly straight and parallel, vertical.

*Dimensions*.—Cephalis 0·02 long, 0·02 broad; thorax 0·07 long, 0·07 broad.

*Habitat*.—Central Pacific, Stations 265 to 268, depth 2700 to 2900 fathoms; also fossil in Barbados.

17. *Lychnocanium cypselus*, Ehrenberg.

*Lychnocanium cypselus*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 78, Taf. vii fig. 10.

Shell slender, ovate, with slight collar stricture. Length of the two joints = 1 : 4, breadth = 1 : 3. Cephalis subspherical, with a conical horn of the same length. Thorax ovate, truncate, three times as broad as the narrow, constricted mouth, with small, regular, circular pores. Three feet slender, somewhat shorter than the thorax, little curved, with convexity outwards, nearly parallel, vertical. (In the specimen figured by Ehrenberg, the third foot was broken off.)

*Dimensions*.—Cephalis 0·02 long, 0·02 broad; thorax 0·08 long, 0·06 broad.

*Habitat*.—Fossil in Barbados.

18. *Lychnocanium ovatum*, n. sp.

Shell ovate, rough, without external collar stricture. Length of the two joints = 1 : 6, breadth = 1 : 5. Cephalis conical, with a stout conical horn of the same length. Thorax ovate, four times as broad as the narrow constricted mouth, with small, regular, circular pores, separated by hexagonal frames of twice the breadth. Three feet cylindrical, half as long as the thorax, and three times as long as broad, straight, parallel, vertical.

*Dimensions*.—Cephalis 0·02 long, 0·02 broad; thorax, 0·12 long, 0·1 broad.

*Habitat*.—South Atlantic, Station 332, depth 2200 fathoms.