

9. *Eucyrtidium anthophorum*, Haeckel.

*Thyrsocyrtis anthophora*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 84, Taf. xii. fig. 9.

Shell smooth, slender, ovate, with three slight strictures. Four joints of different lengths. Cephalis subspherical, with a stout, club-shaped, spinulate or branched horn of the same length. Second campanulate and third subcylindrical joint about equal in size. Fourth joint only half as long, with slightly constricted mouth (broken off in Ehrenberg's figure). Pores small and numerous, regular, circular, quincuncial.

*Dimensions*.—Length of the shell (with four joints) 0.12; length of the second and of the third joints 0.04, breadth 0.05 to 0.06.

*Habitat*.—Fossil in Barbados.

10. *Eucyrtidium hertwigii*, n. sp. (Pl. 80, fig. 12).

Shell smooth, ovate, truncate, with three distinct strictures. Four joints of different lengths. Cephalis campanulate, with an internal rod-cross, and a stout pyramidal horn of the same length. Second joint campanulate. Third joint larger, subcylindrical, with a variable number of irregular, longitudinal ribs, some of which are prolonged into the second and fourth joints. The latter is only half as long, and slightly constricted towards the mouth. Pores small and numerous, subregular, circular.

*Dimensions*.—Length of the shell (with four joints) 0.22. Length of the single joints, *a* 0.03, *b* 0.06, *c* 0.08, *d* 0.05; breadth, *a* 0.03, *b* 0.1, *c* 0.12, *d* 0.11.

*Habitat*.—Central Pacific, Station 271, depth 2425 fathoms.

11. *Eucyrtidium lagena*, Haeckel.

*Eucyrtidium lagena*, Haeckel, 1862, Monogr. d. Radiol., p. 325, Taf. iv. fig. 11.

*Lithocampe lagena*, Haeckel, 1860, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 839.

Shell smooth, bottle-shaped, with three distinct strictures. Four joints of different sizes. Cephalis small, spherical, with a bristle-shaped horn of the same length. Second joint conical, third subcylindrical, fourth inflated, with slightly constricted mouth; their lengths about equal. Pores subregular, hexagonal, large, with thin bars.

*Dimensions*.—Length of the shell (with four joints) 0.16; length of each of the three lower joints about 0.05, breadth 0.05 to 0.064.

*Habitat*.—Mediterranean (Messina).

12. *Eucyrtidium teuscheri*, n. sp. (Pl. 77, fig. 5).

Shell smooth, bottle-shaped, with three distinct strictures. Four joints of different lengths. The third joint four times as long as each of the two first joints, and longer than the fourth, which