

The genus *Tricolocapsa* differs from the preceding *Theocapsa* in the loss of the apical horn, and exhibits therefore to it the same relation that *Theocampe* bears to *Theocorys*. In some species (Pl. 66, figs. 1, 3) a small tube begins to be developed on the cephalis, and these may perhaps be separated as a peculiar genus, *Tricolopera*.

Subgenus 1. *Tricolocapsula*, Haeckel.

*Definition*.—Thorax of about the same size as the abdomen, or larger.

1. *Tricolocapsa theophrasti*, n. sp. (Pl. 66, fig. 1).

Shell slenderly ovate, with two slight strictures. Length of the three joints = 2 : 8 : 5, breadth = 3 : 7 : 5. Cephalis hemispherical, with a larger, tube-like, cervical pore at the collar stricture. Thorax very thick-walled, with irregular, roundish, double-edged pores, smaller than the bars between them. Abdomen smaller, inversely campanulate-conical, with very irregular pores. Basal pole acute.

*Dimensions*.—Length of the three joints, *a* 0.02, *b* 0.08, *c* 0.05; breadth, *a* 0.03, *b* 0.07, *c* 0.05.

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

2. *Tricolocapsa dioscoridis*, n. sp. (Pl. 66, fig. 3).

Shell short and broad, with two deep strictures. Length of the three joints = 3 : 5 : 4, breadth = 4 : 7 : 5. Cephalis hemispherical, with a larger, tube-like, cervical pore above the collar stricture. Thorax very broad, with irregular, large and spare, roundish pores. Abdomen much smaller, inversely conical, with smaller pores. Basal pole obtuse.

*Dimensions*.—Length of the three joints, *a* 0.03, *b* 0.05, *c* 0.04; breadth, *a* 0.04, *b* 0.07, *c* 0.05.

*Habitat*.—Central Pacific, Station 274, depth 2750 fathoms.

3. *Tricolocapsa linnæi*, n. sp. (Pl. 66, fig. 5).

Shell short and broad, with two deep strictures. Length of the three joints = 1 : 4 : 2, breadth = 1 : 4 : 2. Cephalis hemispherical. Thorax thick-walled, inflated, with subregular, circular, double-edged pores. Abdomen much smaller, thin-walled, with irregular, polygonal pores. Basal pole hemispherical, rounded.

*Dimensions*.—Length of the three joints, *a* 0.02, *b* 0.08, *c* 0.05; breadth, *a* 0.03, *b* 0.08, *c* 0.05.

*Habitat*.—South Pacific, Station 295, depth 1500 fathoms.