

depressed, with usually a small raised avicularium at each side, and sometimes another one above the aperture. There are numerous vicarious spatulate avicularia, and the numerous globose ovicells are punctured; in the young cells they are much raised, but in the older ones immersed. Mr. Busk thinks that this may be the *Cellepora avicularis* of Smitt, but the shape of the oral aperture is quite different, as may be seen in Smitt's Floridan Bryozoa, pl. ix. fig. 197, and in my Bryozoa of Naples, pl. xiv. fig. 8.

Habitat.—Simon's Bay, Cape of Good Hope.

Cellepora armata, Hincks, var. *erecta*, nov. (Pl. III. figs. 4, 41-43).

The zoöcial characters are the same as in the European forms, which, however, are adnate, whereas the Challenger one is cylindrical. There is a distinct sinus in the aperture, and by the side are situated long tubular processes, with a triangular avicularium at the end.

Cellepora hastigera has similar long rostral avicularia, but the shape of the aperture is of a different type.

Habitat.—Station 308, 175 fathoms.

In *Cellepora honolulensis*, Busk,¹ and *Cellepora mamillata*, var. *atlantica*, Busk,² the ovicell is only an open hood. *Cellepora bilabiata*, Busk,³ has radiating pores round the border of the area of the ovicell.

Palmicellaria skenei, Ellis and Solander.

Millepora skenei, Ellis and Solander, Zoophytes, p. 135.

Palmicellaria skenei, Hincks, Brit. Mar. Poly., p. 379, pl. lii. figs. 1-4, which see for synonyms, and add *Cellepora tridens*, Kirchenpauer, Untersuchungs-Fahrt. der Pommerania, p. 188, figs. *a* and *b*.

The specimen from Station 49 may be considered as the var. *tridens* of Kirchenpauer. The name was used independently by Mr. Busk. There are three avicularia rising above the aperture, and sometimes a fourth. The mandibles are similar to the typical *Palmicellaria skenei*, but are much smaller.

Habitat.—Station 49, 85 fathoms.

Cupularia canariensis, Busk (Pl. III. fig. 2).

Cupularia canariensis, Busk, Quart. Journ. Micr. Soc., vol. vii. p. 66, pl. xxiii. figs. 6-9.

For synonyms see Waters, Bryozoa from New South Wales, Ann. and Mag. Nat. Hist., ser. 5, vol. xx. p. 201.

An unnamed specimen from off Bahia, 10 to 80 fathoms, has the zoarium orbicular,

¹ Zool. Ohall. Exp., part xxx. p. 195.

² loc. cit., p. 199.

³ loc. cit., p. 203.