and *Lepralia diadema* of Mr. Macgillivray is very striking, and such as would almost lead to the supposition that the species might be dimorphic. Mr. Macgillivray's species being characterised chiefly by its more highly calcified condition and adnate or decumbent habit, and, what is perhaps of more importance, the existence of several oral spines and of one or two avicularia on the front, appendages never seen in *Onchopora bombycina*.

The Family here contains the following genera :—

1. *Onchopora*, Busk.
    *Onchopora sinclairii*, Busk (Pl. X. fig. 4).

2. *Onchoporella*, n. gen.
    *Onchoporella bombycina* (Brit. Mus. Cat.)

## 1. *Onchopora.*

*Onchopora* (pars), Bk., Quart. Journ. Micr. Sci., vol. iii. p. 320.
*Carbasea* (pars), Bk., &c.
*Malakosaria*, Goldstein, Proc. Roy. Soc. Victoria, June 1881, p. 5, pl. ii. fig. 1.

*Character.*—Zoarium dichotomously branched, cylindrical, quadriserial.

## *Onchopora sinclairii*, Busk (Pl. X. fig. 4).

*Onchopora sinclairii*, Bk., Quart. Journ. Micr. Sci., vol. v. p. 172, pl. xv. figs. 1, 2, 3.
*Malakosaria pholaramphos*, Goldstein, *loc. cit.*

*Character.*—Zoœcia ventricose, contracted below, usually (but not always) with an obtuse tubercle on each upper angle above the orifice. Lunate pore elongated from side to side, and above it two small round pores. Lateral fenestræ oblong, with two apparent perforations in each. Oœcium globose, prominent, subumbonate, with lines radiating from the centre.

*Habitat.*—Station 150, lat. 52° 4′ S., long. 71° 22′ E., 150 fathoms, coarse gravel. Station 151, off Heard Island, 75 fathoms, volcanic mud. Station 157, lat. 53° 55′ S., long. 108° 35′ E., 1950 fathoms, Diatom ooze. Station 149D, Royal Sound, Kerguelen, 28 fathoms, volcanic mud.

[New Zealand, Dr. Sinclair; Lyall; Australia, W. H. Harvey; Marion Islands, Voyage of Challenger, Goldstein]

The specimen from Station 157, 1950 fathoms, it should be observed, was in a much injured condition.

## 2. *Onchoporella*, n. gen.

*Carbasea* (pars), Gray.
*Scruparia* (pars), Busk.

*Character.*—Zoarium foliaceous, unilaminar, ligulate or lobed.