

The zoëcia in this doubtfully-placed form are in all respects of the membraniporidan type, but the zoarium is equally that of a *Flustra*.

The trifid space in front of the zoëcium appears to be of the same nature, whatever that may be, as that of the similarly shaped stigma on the oëcium in so many of the Australian Retepores.

§§ *β. Pagina altera tantum porosæ, Linné.*

2. *Carbasea*, Gray.

*Carbasea*, Gray, Cat. Brit. Rad., 1848.

„ Bk., Brit. Mus. Cat., p. 50.

*Semiflustra*, d'Orb.

*Character*.—Zoëcia in a single layer. Front either completely or partially membranous.

(1) *Carbasea ovoidea*, Busk (Pl. XVI. fig. 3).

*Carbasea ovoidea*, Bk., Brit. Mus. Cat., p. 52, pl. 1. figs. 5, 6, 7.

*Character*.—Zoarium broadly lobate, margin of lobes notched. Zoëcia pyriform, slightly contracted below. Membranous aperture oval, occupying the upper two-thirds of the front, and filled in by a very convex membrane.

*Habitat*.—Station 149D, Royal Sound, Kerguelen, 28 fathoms. Station 149H, I, K, off Christmas Harbour 127 to 45 fathoms. Station 149G, London River, 110 fathoms. Marion Island, 50 to 75 fathoms. Station 315, lat. 51° 40' S., long. 57° 50' W., 5 to 12 fathoms, sand and gravel. Prince Edward Island, 80 to 150 fathoms. Port William, Falkland Islands, 5 to 10 fathoms. Station 303, lat. 45° 31' S., long. 78° 9' W., 1325 fathoms, Globigerina ooze. Station 312, lat. 53° 38' S., long. 70° 56' W., 10 to 15 fathoms, mud.

[Strait of Magellan (Moseley); Coast of Patagonia, Darwin; Kerguelen Island, Eaton.]

(2) *Carbasea dissimilis*, Busk.

*Carbasea dissimilis*, Bk., Brit. Mus. Cat., vol. i. p. 51, pl. xlix. figs. 4-7.

*Flustra carbasea*, var. *β*, Lamk.

*Character*.—Zoarium composed of long ligulate branches. Zoëcia pyriform, much attenuated below. Membranous aperture oval. Marginal zoëcia with an acute, short, spinous process at the upper and outer angle. A sessile avicularium below the membranous aperture on each zoëcium.

*Habitat*.—Station 161, off entrance to Port Philip, 33 fathoms, sand. Station 162, off East Moncœur Island, Bass Strait, 38 fathoms, sand and shells. Station 163A, off Twofold Bay, 150 fathoms. Station 196, lat. 0° 48' S., long. 126° 58' E., 825 fathoms, rock.

[Tasmania, Hooker; Australia, Miss E. Gore.]