

**POLYZOA, HYDROZOA, SPONGES, and
RADIOLARIA.** By R. KIRKPATRICK.

a. POLYZOA.

- Membranipora pilosa*, L. Encrusting *Natica*, 315 fath.
Membranipora Flemingii, Busk. Encrusting stems of *Eudendrium rameum*, 55 fath.
Porella compressa, Sowerby. 55 fath.
Cellepora ramulosa, L. 55 fath.
Cellepora armata, Hincks. Encrusting *Eudendrium*, 55 fath.
Idmonea serpens, L. 55 fath.
Lichenopora hispida, Fleming. 55 fath.
Acyonidium mytili, Dalyell. On *Tubularia*-stems, 55 fath.
Arachnidium simplex, Hincks. On *Chrysodomus*, 315 fath.
 This species is new to the British fauna. The type specimen is from Barents Sea, 62 fath. (*v.* Hincks, *Ann. & Mag. Nat. Hist.* (5) vi. 1880, p. 284, pl. xv. figs. 10, 11).
Triticella flava, Dalyell. Growing on *Natica*, 315 fath.
Barentsia gracilis, Sars. On *Eudendrium*, 55 fath.

b. HYDROZOA.

- Podocoryne areolata*, Alder. Growing on *Aporrhais pes-carbonis*, 150 fath.
Eudendrium rameum, Pallas. 55 fath.
Tubularia indivisa, Linn. 55 fath.
Campanularia Hincksi, Alder. 55 fath.
Lafocia dumosa, Fleming. 58 fath.
Sertularella tenella, Alder. 55 fath.

c. SPONGIDA.

Only one sponge was obtained:—

Aphrocallistes Bocagei, Wright. 500 fath.

The specimen is about $3\frac{1}{2}$ inches in height, and is well preserved. Specimens were previously obtained by the 'Porcupine' expedition at Station 36, from a depth of 725 fath. As will be seen from the following list, the range of the species is very wide, having been found off Florida, Bermudas, St. Thomas W.I., S.W. Ireland, S.E. Spain, Portugal, Cape Verde Is., Ascension Island in the Atlantic, at depths varying from 420 to 1075 fath.; the species also occurs in the North Pacific, specimens having been purchased at Inoschima by Dr. Döderlein.