

Radiolaria and Foraminifera. It contained a few pelagic *Globigerinæ* and *Pulvinulinæ*, with *Cassidulina crassa*, *Pullenia quinqueloba* and *Anomalina coronata* in greater abundance, as well as the slender and delicate *Articulina funalis*. The specimens of *Pullenia* were remarkable for their variety of colour when first taken out of spirit, the sarcode of some being yellowish, of others brown, pinkish, or olive-green. The remaining species were of no special interest.

STATION 146.—December 29, 1873. Lat. 46° 46' S., long. 45° 31' E. Depth, 1375 fathoms; bottom temperature, 1°·5 C.; *Globigerina* ooze.

Greyish white mud with fragments of echinus shell, spines, &c. Like the foregoing, chiefly made up of *Globigerina bulloides* and *Globigerina inflata*. Of the surface *Pulvinulinæ* the comparatively uncommon *Pulvinulina crassa* appears to preponderate in this locality. Arenaceous Foraminifera are almost entirely wanting. The occurrence of two or three specimens of *Clavulina communis* forms perhaps the most interesting feature in the dredging.

STATION 149 D.—January 19, 1874. Kerguelen Islands, Balfour Bay, Royal Sound. Depth, 20 to 60 fathoms.

Composed of shallow-water organic remains of all sorts,—algæ, sponges, annelids, molluscan-shells and the like, with but little sand. Foraminifera by no means abundant, and, with the exception of *Discorbina parisiensis*, the specimens of which were particularly fine, and the somewhat rare *Articulina funalis*, all of common littoral species of such genera as *Miliolina*, *Biloculina*, *Truncatulina*, and *Polystomella*. The same material supplied a long list of Ostracoda.

STATION 149 E.—January 20, 1874. Kerguelen Islands, Royal Sound. Depth, 28 fathoms.

Mud, made up in like manner of organic débris, with many Ostracoda and Diatomaceæ. The Foraminifera consisted of poor specimens of common littoral and shallow-water species.

STATION 149 I.—January 29, 1874. Kerguelen Islands, off Christmas Harbour. Depth, 120 fathoms.

The material brought up in the dredge was a felted mass of siliceous, fibre-like sponge-spicules. Lodged in its meshes were Ostracoda, Foraminifera, and Diatomaceæ. Of the Foraminifera the following are the most characteristic species:—*Pullenia quinqueloba*, *Cassidulina crassa*, *Articulina funalis*,