

- No. 19. Lat. $54^{\circ} 53' N.$, long. $10^{\circ} 56' W.$ Depth, 1360 fathoms; surface temperature, $54^{\circ} 8$ Fahr. ($12^{\circ} 6$ C.); bottom temperature, $37^{\circ} 4$ Fahr. (3° C.).
 Fine Globigerina ooze, with a good many pelagic *Pulvinulinæ*, the other conspicuous genera being *Bulimina*, *Virgulina*, *Cassidulina*, *Lagena*, and *Truncatulina*. It contained also a considerable number of Radiolaria.
- No. 20. Lat. $55^{\circ} 11' N.$, long. $11^{\circ} 31' W.$ Depth, 1443 fathoms; surface temperature, $55^{\circ} 5$ Fahr. (13° C.); bottom temperature, 37° Fahr. ($2^{\circ} 8$ C.).
 Fine white Globigerina ooze, with a few Radiolaria, leaving very little residue after washing. The salient Foraminifera were of the genera *Globigerina*, *Pulvinulina*, *Truncatulina*, *Biloculina*, *Miliolina*, and *Haplophragmium*.
- No. 23. Lat. $56^{\circ} 7' N.$, long. $14^{\circ} 19' W.$ Depth, 630 fathoms; surface temperature, $57^{\circ} 3$ Fahr. (14° C.); bottom temperature, $43^{\circ} 5$ Fahr. ($6^{\circ} 4$ C.).
 Labelled "siftings from the sieves." A coarse fibrous-looking mass of arenaceous Rhizopods, sponge-spicules, young sponges, echinus spines, molluscan shells, &c. Amongst the more striking Foraminifera the genera *Sorosphæra*, *Pelosina*, *Hyperammia*, *Marsipella*, *Cyclammia*, *Rhabdammina*, *Haplophragmium*, *Biloculina*, *Cristellaria*, *Uvigerina*, and *Globigerina* were conspicuous.
- No. 28. Lat. $56^{\circ} 44' N.$, long. $12^{\circ} 52' W.$ Depth, 1215 fathoms; surface temperature, $57^{\circ} 6$ Fahr. ($14^{\circ} 2$ C.); bottom temperature, $37^{\circ} 1$ Fahr. ($2^{\circ} 8$ C.).
 Labelled "siftings from the sieves:" coarse sandy material, from which the finer portions had been separated by washing; containing *Globigerinæ* and some pelagic *Pulvinulinæ*, with large *Biloculinæ*, *Rhabdammina cornuta*, *Gaudryina pupoides*, *Gaudryina baccata*, and *Virgulina schreibersiana* as prominent forms. There were also a few Radiolaria. It was in the coarser material from this Station that the finest specimens of *Pilulina jeffreysii* were obtained by Dr. Carpenter.

2ND CRUISE.—*South and South-West of Ireland.*

Dredging is recorded at thirteen Stations, of which samples from four only have been examined for the present Report. These pertain to the limited region lying between lat. $47^{\circ} 38'$ and $49^{\circ} 12' N.$, and between long. $10^{\circ} 57'$ and $12^{\circ} 52' W.$

- No. 35. Lat. $49^{\circ} 7' N.$, long. $10^{\circ} 57' W.$ Depth, 96 fathoms; surface temperature, $63^{\circ} 4$ Fahr. ($17^{\circ} 8$ C.); bottom temperature, $51^{\circ} 3$ Fahr. ($10^{\circ} 7$ C.).