

STATION 76.—July 3, 1873. Lat.  $38^{\circ} 11' N.$ , long.  $27^{\circ} 9' W.$  Off the Azores. Depth, 900 fathoms ; bottom temperature,  $4^{\circ} 2 C.$  ; Globigerina ooze.

Containing small stones, pteropods, and a good deal of coarse stuff. In addition to *Globigerina* and the pelagic *Pulvinulinæ*, the more noteworthy species belong to the genera *Biloculina*, *Miliolina*, *Cristellaria*, *Truncatulina*, *Rupertia*, *Haplophragmium*, *Trochammia*, and *Hormosina*.

STATION 78.—July 10, 1873. Lat.  $37^{\circ} 24' N.$ , long.  $25^{\circ} 13' W.$  Depth, 1000 fathoms ; Globigerina ooze.

Coarse material very similar in character and contents to the last-named, but richer in the large arenaceous types. This is almost the only locality at which *Astrorhiza granulosa* and *Astrorhiza angulosa* have been observed ; and *Rhabdammina discreta*, *Hormosina carpenteri*, and two or three species of *Haplophragmium* are amongst the more abundant forms. One or two specimens of *Polytrema* were also noticed.

F. STATIONS 84 to 110, North Atlantic from Madeira, by the Canaries and Cape de Verde Islands, to the Equator, at about long.  $30^{\circ} W.$

STATION 85.—July 19, 1873. Lat.  $28^{\circ} 42' N.$ , long.  $18^{\circ} 6' W.$  Off Palma, Canary Islands. Depth, 1125 fathoms ; volcanic sand.

Resembled very closely the two foregoing samples (Stations 76 and 78), both in the nature of the dredged material and the organisms found in it. *Rhabdammina abyssorum* and *Cyclammia cancellata* may be added to the list of arenaceous species.

STATION 93.—July 27, 1873. Off St. Vincent. Depth, 1070 fathoms ; mud. Furnishes a long and interesting list of species. In addition to the *Globigerinæ*, *Pulvinulinæ*, and other ordinary constituents of a Globigerina ooze, the thimbleful of material—for only a sounding was obtained—was especially rich in the genera *Bulimina*, *Cassidulina*, and *Haplophragmium*. The following amongst other rare forms were found in it:—*Cassidulina subglobosa*, *Bulimina contraria*, *Virgulina subsquamosa*, *Textularia quadrilatera*, *Haplophragmium scitulum*, and *Trochammia nitida*.

STATION 98.—August 14, 1873. Lat.  $9^{\circ} 21' N.$ , long.  $18^{\circ} 28' W.$  Depth, 1750 fathoms ; bottom temperature,  $2^{\circ} 0 C.$  ; Globigerina ooze.

Largely composed of *Pulvinulina menardii* ; amongst the *Globigerinæ* are a number of specimens of *Globigerina rubra*. The Arenacea are represented