

STATION 338.

Density at 60° F. :—

Surface,	1·02752	200 fathoms,	1·02594
25 fathoms,	1·02720	300 "	1·02647
50 "	1·02704	400 "	1·02654
100 "	1·02666		

Depth, 1990 fathoms; deposit, Globigerina Ooze, containing 92·54 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9 A.M. shortened and furled sails, and proceeded under steam to sound and dredge. At 9.40 A.M. sounded in 1990 fathoms. At 11 A.M. put dredge over and veered 2600 fathoms. Took serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 50, 100, and 200 fathoms, and amounted respectively to 37·3, 36·8, and 43·1 milligrammes per litre. At 4 P.M. commenced heaving in dredge, which came up at 7 P.M. filled with deposit. Made sail.

Distance at noon from Ascension, 798 miles. Made good 123 miles. Amount of current 19 miles, direction S. 47° W.

ANIMALS FROM
DREDGE.

The following species is recorded from this Station :—

SIPHONOPHORÆ (Haeckel, Zool. pt. 77).

Salacia polygastrica, n.g., n.sp. One specimen; obtained at no other locality.

The Station-book records also a whisp of *Hyalonema* spicules, and a small broken Gasteropod.

ORGANISMS FROM
THE DEPOSIT.

The following species of Foraminifera and Radiolaria were observed in the deposit from this Station (see also Murray and Renard, Deep-Sea Deposits Chall. Exp.) :—

FORAMINIFERA (Brady, Zool. pt. 22).—The pelagic species, which make up about 86 per cent. of the carbonate of lime present in the deposit, are marked thus ×.

Biloculina depressa, d'Orbigny.
 " " var. *murrhyna*, Schwager.
Spiroloculina tenuis (Czjzek).
Miliolina gracilis (d'Orbigny).
 " *seminulum* (Linné).
 " *venusta* (Karrer).
Hyperammia ramosa, Brady.
 " *vagans*, Brady.
Rhizammina algæformis, Brady.
Reophax difflugiformis, Brady.
 " *scorpiurus*, Montfort.
Thurammia papillata, Brady.
Trochammia pauciloculata, Brady.
Cyclammia cancellata, Brady.

Textularia agglutinans, d'Orbigny.
Verneuilina pygmaea (Egger).
Gaudryina pupoides, d'Orbigny.
Virgulina schreibersiana, Czjzek.
 " *subsquamosa*, Egger.
Cassidulina bradyi, Norman.
 " *subglobosa*, Brady.
Lagena apiculata, Reuss.
 " *desmophora*, Rymer Jones.
 " *formosa*, Schwager.
 " " var. *comata*, Brady.
 " *globosa* (Montagu).
 " *gracilis*, Williamson.
 " *lavigata* (Reuss).