

STATION 284.

300 fathoms,	45·8	1000 fathoms,	36·4
400 „	41·6	1100 „	36·0
500 „	40·0	1200 „	35·8
600 „	39·0	1300 „	35·7
700 „	38·2	1400 „	35·6
800 „	37·4	1500 „	35·4
900 „	36·9	Bottom,	35·1

Density at 60° F. :—

Surface,	1·02631	300 fathoms,	1·02551
25 fathoms,	1·02625	400 „	1·02546
50 „	1·02628	500 „	1·02564
100 „	1·02623	1975 „	1·02576
200 „	1·02601	Bottom,	1·02615

Depth, 1985 fathoms; deposit, Globigerina Ooze, containing 65·81 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4 A.M. shortened and furled sails, and proceeded under steam. At 6 A.M. sounded in 1985 fathoms. Put over trawl and veered 2500 fathoms. Obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 200, 800, and 1975 fathoms, and amounted respectively to 35·8, 46·2, and 51·2 milligrammes per litre. At 1 P.M. commenced heaving in trawl, but at 2.30 P.M. the trawl-rope carried away, and the trawl with its contents, apparently heavy, and 2000 fathoms of line, were lost. Made all plain sail and proceeded. One or two large albatrosses (*Diomedea exulans*) were seen.

Valparaiso distant at noon, 3608 miles; Bass Islands about 120 miles. Made good 87 miles. Amount of current 13 miles, direction N.

ORGANISMS FROM
THE DEPOSIT.

FORAMINIFERA (Brady, Zool. pt. 22).—The following species of Foraminifera were observed during the examination of the deposit from this Station; the pelagic species, which make up about 76 per cent. of the carbonate of lime present in the deposit, are marked thus × :—

Biloculina depressa, d'Orbigny.
 „ „ var. *murrhyna*, Schwager.
 „ *elongata*, d'Orbigny.
Spiroloculina acutimargo, Brady.
 „ *tenuis* (Czjzek).
Miliolina venusta (Karrer).
 „ sp. (?).
Hyperammina vagans, Brady.
Reophax adunca, Brady.

Reophax dentaliniformis, Brady.
 „ *diffugiiformis*, Brady.
 „ *guttifera*, Brady.
 „ *scorpiurus*, Montfort.
 „ sp. (?).
Haplophragmium canariense (d'Orbigny).
 „ *foliaceum*, Brady.
 „ *latidorsatum* (Bornemann).
Hormosina globulifera, Brady.