

STATION 165B.

Station 165B (Sounding 282), Sydney to New Zealand (see Chart 27 and Diagram 11).

June 21, 1874 ; lat. 37° 53' S., long. 163° 18' E.

Temperature of air at noon, 59°·0 ; mean for the day, 58°·5.

Temperature of water :—

Surface,	59·5	500 fathoms,	42·5
20 fathoms,	59·8	600 "	40·4
40 "	59·0	700 "	38·7
60 "	58·0	800 "	37·5
80 "	57·2	900 "	36·8
100 "	55·9	1000 "	36·4
200 "	51·2	1250 "	35·7
300 "	47·8	1500 "	34·8
400 "	44·9	Bottom,	34·7

Density at 60° F. at surface, 1·02616 ; bottom, 1·02625.

Depth, 1975 fathoms ; deposit, Globigerina Ooze, containing 76·59 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6 A.M. got up steam, and at 6.30 A.M. shortened and furled sails, and proceeded under steam to sound. Sounded in 1975 fathoms. At 8 A.M. obtained serial temperatures down to 1500 fathoms, and specimens of water. At 9.45 A.M. completed observations, and made sail. A strong northerly breeze since morning ; towards midnight the wind rose to a gale. Besides *Diomedea exulans* and *Diomedea melanophrys*, another albatross was observed to-day ; it had a black bill, head, and neck, rump and belly white, otherwise like *Diomedea melanophrys*. There were great numbers of *Procellaria æquinotialis*, as well as a few prions and Cape pigeons.

Cape Farewell distant at noon, 464 miles. Made good 150 miles. Amount of current 18 miles, direction S. 23° W.

ORGANISMS FROM
THE DEPOSIT.

FORAMINIFERA (Brady, Zool. pt. 22).—The following species of Foraminifera were observed in the deposit from this Station ; the pelagic species, which make up about 85 per cent. of the carbonate of lime present in the deposit, are marked thus × :—

Biloculina depressa, d'Orbigny.

Miliolina oblonga (Montagu).

„ *seminulum* (Linné).

„ *venusta* (Karrer).

Haplophragmium latidorsatum (Bornemann).

Trochammina pauciloculata, Brady.

„ *trullissata*, Brady.

Gaudryina pupoides, d'Orbigny.

Clavulina communis, d'Orbigny.

Virgulina subdepressa, Brady (?).