

STATION 299.

Temperature of water :—

Surface,	62·0	400 fathoms,	40·6
25 fathoms,	59·0	500 "	39·3
50 "	53·1	600 "	38·5
75 "	50·9	700 "	37·7
100 "	49·1	800 "	37·0
125 "	47·8	900 "	36·6
150 "	46·5	1000 "	36·3
175 "	45·3	1100 "	36·0
200 "	44·4	1200 "	35·8
225 "	43·5	1300 "	35·6
250 "	42·8	1400 "	35·4
275 "	42·1	1500 "	35·2
300 "	41·7	Bottom,	35·2

Density at 60° F.:—

Surface,	1·02529	200 fathoms,	1·02547
25 fathoms,	1·02539	300 "	1·02545
50 "	1·02530	400 "	1·02543
100 "	1·02539	Bottom,	1·02567

Depth, 2160 fathoms; deposit, Blue Mud, containing 15·40 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

Shortened and furled sails. Put trawl over and veered 2700 fathoms. At 6.30 A.M. sounded in 2160 fathoms. The sounding-tube brought up a section of about four inches, the uppermost inch being of a red colour containing no calcareous organisms, while the lower portion was a blue-grey compact mud with several manganese grains and pieces of pumice. Obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 50 fathoms, 300 fathoms, and bottom, and amounted respectively to 41·0, 42·9, and 44·4 milligrammes per litre. At 1 P.M. commenced heaving in trawl, which came up at 3.15 P.M. with numerous specimens, over a quart of manganese nodules and fragments of pumice, a piece of granite, small hardened concretions of the bottom, fragment of Cephalopod beak, and some mud; one of the tow-nets at the trawl was half full of mud. At 3.30 P.M. made sail. Later in the evening observed several phosphorescent patches. *Diomedea exulans*, black albatrosses, stinkers, prions, petrels, and *Thalassidromas* were seen.

Cape Tres Montes distant at noon, 807 miles. Made good 17 miles. Amount of current 15 miles, direction N. 57° E.

The following species are recorded in the Zoological Reports from the trawl at this Station :—