

some of them being quite as large as any found in the deposits at the bottom. In a great many instances they were surrounded with yellow-coloured sarcode; apparently this expands in the form of a large float, but we have never been able to get a specimen fully expanded as in the case of *Hastigerina*.

STATION 294.

Station 295 (Sounding 440), Tahiti to Valparaiso (see Chart 38 and Diagram 20).

STATION 295.

November 5, 1875; lat. $38^{\circ} 7' S.$, long. $94^{\circ} 4' W.$

Temperature of air at noon, $60^{\circ} \cdot 8$; mean for the day, $58^{\circ} \cdot 8$.

Temperature of water:—

Surface,	58·5	400 fathoms,	41·3
25 fathoms,	55·7	500 „	40·3
50 „	53·0	600 „	39·5
75 „	50·5	700 „	38·7
100 „	47·8	800 „	38·0
125 „	46·0	900 „	37·4
150 „	44·8	1000 „	36·8
175 „	44·0	1100 „	36·3
200 „	43·4	1200 „	36·1
225 „	43·0	1300 „	35·9
250 „	42·6	1400 „	35·6
275 „	42·3	Bottom,	35·3
300 „	42·0		

Density at $60^{\circ} F.$ at surface, 1·02536; 1000 fathoms, 1·02563; bottom, 1·02562.

Depth, 1500 fathoms; deposit, Globigerina Ooze.

At 10 A.M. stopped. Put trawl over and veered 2500 fathoms. Sounded in 1500 fathoms. The sounding-tube contained some water, which on being allowed to settle gave indications of a red-coloured Globigerina Ooze, but the tow-nets at the trawl contained many fragments of augite-andesite, which may possibly have been derived from a comparatively recent volcanic outflow at the bottom. Took serial temperatures from surface to bottom. The carbonic acid was determined in bottom water, and amounted to 47·5 milligrammes per litre. At 3 P.M. commenced heaving in trawl, having previously shortened the line to 1900 fathoms. It came up at 4.30 P.M. containing only a fish, which was still alive when taken out of the trawl. Made sail. Two specimens of *Diomedea exulans* were caught from the ship, and two mutton birds were shot from a boat; there were seen besides *Procellaria maxima* or *Procellaria gigantea*, *Procellaria capensis*, *Prion turtur*, Mother Carey's chickens, along with a molly mauk (?), *Diomedea fuliginosa* (?), and a small black petrel with white belly.