

STATION 287.	SCHIZOPODA (Sars, Zool. pt. 37). <i>Siriella thompsoni</i> (M.-Edwards).	<i>Salpa costata-tilerii</i> , Quoy and Gaimard—Cuvier.
	TUNICATA (Herdman, Zool. pt. 76). <i>Doliolum affine</i> , n.sp.	FISHES (Günther, Zool. pt. 78). <i>Scopelus coccoi</i> (Cocco).

In addition, the following are recorded in the note-books:—An immense number of Coccospheres of all varieties, a few Rhabdospheres, *Alciopa* and other Annelids, Hyperids, *Atlanta*, Pteropods, and *Appendicularia*. Tow-nets were sent down to 200 fathoms, but the line parted when hauling in.

STATION 288. **Station 288** (Sounding 433), Tahiti to Valparaiso (see Chart 38, and Diagrams 19 and 20).

October 21, 1875; lat. 40° 3' S., long. 132° 58' W.

Temperature of air at noon, 55°·0; mean for the day, 53°·0.

Temperature of water:—

Surface,	54·5	400 fathoms,	41·9
25 fathoms,	54·2	500 "	41·0
50 "	51·1	600 "	40·0
75 "	50·6	700 "	39·0
100 "	49·8	800 "	38·2
125 "	48·3	900 "	37·5
150 "	47·1	1000 "	36·9
175 "	46·1	1100 "	36·5
200 "	45·2	1200 "	36·1
225 "	44·7	1300 "	35·9
250 "	44·2	1400 "	35·7
275 "	43·8	1500 "	35·5
300 "	43·3	Bottom,	34·8

Density at 60° F. at surface, 1·02561; 2125 fathoms, 1·02573; bottom, 1·02564.

Depth, 2600 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. shortened and furled sails, and proceeded under steam to sound. At 6 A.M. sounded in 2600 fathoms. In this instance the sounding-tube had buried itself about eighteen inches into the deposit, and the section brought up was of a uniform red colour throughout, there being no evidence of different layers varying in composition, as indicated in some of the last few soundings. Obtained serial temperatures down to