

STATION 298.

Temperature of water :—

Surface,	59·0	700 fathoms,	38·1
25 fathoms,	55·8	800 "	37·7
50 "	52·5	900 "	37·2
75 "	50·5	1000 "	36·9
100 "	49·6	1100 "	36·7
125 "	48·3	1200 "	36·5
150 "	47·2	1300 "	36·3
175 "	46·1	1400 "	36·2
200 "	45·1	1500 "	36·1
225 "	44·1	1600 "	36·0
250 "	43·2	1700 "	35·9
275 "	42·4	1800 "	35·9
300 "	41·9	1900 "	35·8
400 "	40·3	2000 "	35·7
500 "	39·5	2100 "	35·7
600 "	38·7	Bottom,	35·6

Density at 60° F. :—

Surface,	1·02533	300 fathoms,	1·02529
25 fathoms,	1·02526	400 "	1·02540
50 "	1·02522	800 "	1·02544
100 "	1·02546	1725 "	1·02540
200 "	1·02540		

Depth, 2225 fathoms ; deposit, Blue Mud, containing 5·65 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.30 A.M. shortened and furled sails, and proceeded under steam. Sounded in 2225 fathoms. Put trawl over, veering 2700 fathoms. Obtained serial temperatures from surface to bottom. The carbonic acid was determined in bottom water and amounted to 44·3 milligrammes per litre. At 1 P.M. commenced heaving in trawl, which came up at 3.40 P.M. with numerous specimens, while the attached tow-nets contained a little mud, one manganese nodule, portions of a Cephalopod beak, and pieces of twigs. The mud contained many excreta of Echinoderms. Proceeded under steam, and at 5.30 P.M. made sail. Many stormy petrels were seen.

Valparaiso distant at noon, 122 miles. Made good 122 miles. Amount of current 15 miles, direction S. 16° W.

ANIMALS FROM
TRAWL.

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

ASTEROIDEA (Sladen, Zool. pt. 51).

Porcellanaster gracilis, n.g., n.sp. Obtained at no other locality.

Hymenaster carnosus, n.sp. Obtained at no other locality. [Recorded in error from Station 295].