

STATION 244.

Temperature of water:—

Surface,	70·5	400 fathoms,	40·4
25 fathoms,	61·0	500 "	38·9
50 "	59·2	600 "	38·0
75 "	57·6	700 "	37·4
100 "	56·2	800 "	36·9
125 "	54·9	900 "	36·4
150 "	53·3	1000 "	36·0
175 "	51·7	1100 "	35·7
200 "	49·8	1200 "	35·5
225 "	48·0	1300 "	35·3
250 "	46·0	1400 "	35·3
275 "	44·3	1500 "	35·3
300 "	43·1	Bottom,	35·3

Density at 60° F. :—

Surface,	1·02566	300 fathoms,	1·02519
25 fathoms,	1·02563	400 "	1·02521
50 "	1·02559	600 "	1·02521
100 "	1·02552	Bottom,	1·02571
200 "	1·02534		

Depth, 2900 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3.15 A.M. shortened sail. At 4 A.M. got up steam, and proceeded to lay out trawl, veering 3500 fathoms. At 6 A.M. brought ship to wind, proceeded under steam, and sounded in 2900 fathoms. Obtained serial temperatures down to 1500 fathoms. At noon commenced heaving in trawl, which came up torn at 3.50 P.M., but with numerous animals, a bag full of clay, many pumice-stones and manganese nodules, and a few sharks' teeth (*Lamna*, &c.). This was the most successful haul hitherto made from a depth of 2900 fathoms, and proved the abundance of highly-organised life in great depths. At 4 P.M. made sail. A boatswain bird was seen along with many black albatrosses (*Diomedea brachyura*), and several of the latter were caught with hook and line, in the stomachs of which several specimens of Entozoa (*Tænia diomedææ*, n.sp., and *Tetrabothrium torulosum*, n.sp.) were found (see Linstow, Zool. pt. 71).

Distance at noon from Honolulu, 1891 miles. Made good 69 miles. Amount of current 15 miles, direction N. 63° E.

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

DEEP-SEA KERATOSA (Hæckel, Zool. pt. 82).

Psammophyllum annectens, n.g., n.sp. Obtained at no other locality.