

Temperature of water :—

Surface,	85.0	300 fathoms,	45.0
25 fathoms,	81.2	400 "	42.0
50 "	77.2	500 "	40.3
75 "	71.8	600 "	39.5
100 "	65.0	700 "	39.0
125 "	58.0	800 "	39.0
150 "	53.6	Bottom,	38.9
200 "	49.2		

Density at 60° F. :—

Surface,	1.02551	400 fathoms,	1.02560
50 fathoms,	1.02578	800 "	1.02604
100 "	1.02586	Bottom,	1.02586
200 "	1.02568		

Depth, 2150 fathoms; deposit, Volcanic Mud, containing no carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9.30 A.M. shortened and furled sails, and proceeded under steam to sound. At 10 A.M. sounded in 2150 fathoms. At 11 A.M. put over trawl. At 1 P.M. obtained serial temperatures down to 800 fathoms. The carbonic acid was determined in water from 800 fathoms, and amounted to 39.7 milligrammes per litre. At 6.45 P.M. trawl came up with a number of specimens, pieces of volcanic conglomerate, several palm fruits, and pieces of wood and bark. The mud also contained a large number of oval arenaceous bodies, believed to be the dung of Echinoderms. The wind having fallen almost to a calm, proceeded under steam for the remainder of the day.

Distance at noon from Sibago Island, 274 miles. Made good 61 miles. Amount of current 16 miles, direction N. 68° W.

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

ANIMALS FROM
TRAWL.

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

Psammophyllum reticulatum, n.g., n.sp. Several specimens; obtained at no other locality.

ASTEROIDEA (Sladen, Zool. pt. 51).

Dytaster inermis, n.g., n.sp. One specimen; obtained at no other locality.

Freyella echinata, n.sp. Obtained also at Stations 205 and 216, 1050 and 1675 fathoms.