

STATION 153.

Temperature¹ of water :—

Surface,	. . .	29·5	}	300 fathoms,	. . .	{ 32·0	
50 fathoms,	. . .	{ 29·0				{ 32·0	
		29·0					
100 "	. . .	{ 29·0			500 "	. . .	{ 32·8
		29·0					{ 32·8
200 "	. . .	{ 30·5		Bottom,	. . .	{ 33·0	
		30·5				{ 33·0	

Density at 60° F. at surface, 1·02413 ; bottom, 1·02567.

Depth, 1675 fathoms ; deposit, Blue Mud, containing 3·50 per cent. of carbonate of lime, and many rocks and pebbles (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4 A.M. passed icebergs. At 5 A.M. fifteen icebergs in sight. At 6 A.M. observed open pack ice to S.E. Got up steam to sound and dredge. At 6.30 A.M. shortened and furled sail, and proceeded under steam. At 7 A.M. sounded in 1675 fathoms. Numerous icebergs and pack ice in sight to E. and S.E. At 10 A.M. put dredge over. At 11 A.M. took a series of temperatures at 50, 100, 200, 300, and 500 fathoms. At noon, numerous icebergs and pack ice in sight to E. and S. The carbonic acid was determined in bottom water, and amounted to 82·9 milligrammes per litre. Weather fine ; quantity of wash ice about the ship. At 1.15 P.M. commenced heaving in dredge, which came up at 3.15 P.M. with several specimens. At 3.30 P.M. made sail. At 4 P.M. pack ice extending from S. to E. At 6 P.M. 47 icebergs in sight. Pack ice to S.E. ; apparently open sea to S.W. Observed several whales during the day, also Cape pigeons, snow-birds, black and white petrels, and penguins.

Distance at noon from Termination Land, 420 miles ; from South Pole, 1458 miles. Made good 64 miles. Amount of current 3 miles, direction S. 18° W. .

ANIMALS FROM
DREDGE.

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

ALCYONARIA (Wright and Studer, Zool. pt. 64).

Callozostron mirabilis, n.g., n.sp. One specimen ; obtained at no other locality.
Only species of the genus.

ACTINIARIA (Hertwig, Zool. pt. 73).

Actinian, genus and species indeterminable.

¹ Actual readings of the thermometers.