

STATION 130.

Depth, 2350 fathoms; deposit, Globigerina Ooze, containing 35·93 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6.20 A.M. shortened and furled sails, and got up steam. At 7.30 A.M. put trawl over, and veered 3500 fathoms. At 8.20 A.M. brought ship to wind, and proceeded under steam to sound. Sounded in 2350 fathoms. At 9 A.M. obtained serial temperatures at intervals of 100 fathoms down to 1500 fathoms. The carbonic acid was determined in bottom water, and amounted to 49·1 milligrammes per litre. At 2 P.M. commenced heaving in trawl. At 6.30 P.M. the trawl came to the surface, apparently heavily laden judging from the full extension of the accumulators, but at the moment when the beam of the trawl appeared at the surface, the swivel between the rope and the chain carried away, and the trawl with its unknown burden sank, to the intense disappointment of the naturalists and naval officers gathered on the bridge. At 6.50 P.M. made all plain sail.

Distance at noon from Tristan da Cunha, 1235 miles. Made good 118 miles. Amount of current 14 miles, direction S. 27° W.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following are recorded in the note-books from the tow-nets hauled in twice from a depth of 100 fathoms:—*Pyrocystis*, Foraminifera, Radiolaria, *Cuboides*, *Alciopa*, *Hyalophyllum* [= *Saphirinella*] and other Copepods, *Phronima*, *Hyperia*, *Lucifer*, Decapod larvæ, and *Cranchia*.

Willemoes-Suhm writes: "Remarkable among the surface animals is the male of *Phronima*, which is rather rare and only recently described by Claus, also a very big species of *Lucifer* not got before. There is apparently not much difference between the faunæ of the South and North Atlantic; the same animals occur again and again."

STATION 131.

Station 131 (Sounding 214), Bahia to Tristan da Cunha (see Chart 16 and Diagram 5).

October 6, 1873; lat. 29° 35' S., long. 28° 9' W.

Temperature of air at noon, 70°·3; mean for the day, 66°·3.

Temperature of water:—

Surface,	65·0	600 fathoms,	37·9
100 fathoms,	61·0	700 "	37·5
200 "	54·7	800 "	37·3
300 "	48·5	900 "	37·1
400 "	42·2	1000 "	37·0
500 "	39·2	Bottom,	34·6