

STATION 132.

Station 132 (Sounding 215), Bahia to Tristan da Cunha (see Chart 16, and Diagrams 5 and 6).

October 10, 1873; lat. 35° 25' S., long. 23° 40' W.

Temperature of air at noon, 59°·8; mean for the day, 51°·1.

Temperature of water :—

Surface,	58·0	400 fathoms,	40·0
100 fathoms,	55·2	500 „	38·8
200 „	50·0	600 „	35·0
300 „	43·8		

Density at 60° F. :—

Surface,	1·02619	300 fathoms,	1·02552
100 fathoms,	1·02623	400 „	1·02551
200 „	1·02581	Bottom,	1·02590

Depth, 2050 fathoms; deposit, Globigerina Ooze, containing 85·04 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 8 A.M. got up steam. At 9.30 A.M. shortened sail, proceeded under steam, and sounded in 2050 fathoms. At 1.30 P.M. completed serial temperatures at intervals of 100 fathoms down to 600 fathoms. At 1.45 P.M. made all plain sail, and continued under sail for the rest of the day. Flights of birds, chiefly Cape pigeons and albatrosses, began to accompany the ship; several specimens were shot.

Distance at noon from Tristan da Cunha, 561 miles. Made good 98 miles. Amount of current for the last two days 41 miles, direction S. 27° W.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface at this Station :—

COPEPODA (Brady, Zool. pt. 23).

Saphirina reticulata, n.sp.

Saphirinella stylifera (Lubbock).

TUNICATA (Herdman, Zool. pt. 76).

Appendicularia sp. (?).

In addition the following are recorded in the note-books :—*Peridinium*, Foraminifera, compound Radiolaria, *Cydippe*, very large specimens of *Tomopteris*, *Calanus*, and *Spirialis rostralis* [= *Limacina inflata*]. From 100 fathoms :—Foraminifera, Radiolaria, *Hyalophyllum pellucidum* [= *Saphirinella stylifera*] and other Copepods, *Phromina*, *Hyperia*, *Dexamine*, and many Decapod larvæ in the megalopa stage.

Willemoes-Suhm writes : “ There were many larvæ of Decapoda. Where do they come from? They are probably not all larvæ of surface animals, though that may be so. Perhaps they come up from deep water and sink when full grown. It will be necessary