

## STATION 133.

Moseley remarks: "We have found nearly all the forms also in the North Atlantic; the universal distribution of deep-sea forms becomes more and more apparent."

ORGANISMS FROM  
SURFACE-NETS.

**Surface Organisms.**—The tow-net sent down to a depth of about 100 fathoms brought up:—Foraminifera, Radiolaria, *Sagitta*, *Tomopteris*, a great many Copepods, *Hyperia*, *Oxycephalus*, *Vibilia*, *Cleodora* [= *Clio*], developmental stages of *Pyrosoma*, and *Appendicularia*, while the tow-net attached to the dredge-line brought up many surface animals, including Medusæ, some Amphipods, and a naked Pteropod, the Amphipods being more abundant than at the surface. Many of the *Globigerinæ* and *Pulvinulinæ* were surrounded with a mass of yellow sarcode in which were entangled many Coccospheres, Rhabdospheres, Infusoria (*Tintinnus*), and Diatoms. These minute organisms were also observed in the stomachs of the Tunicates. The Foraminifera were different from those found near the equator on the trip from Cape Verdes to Bahia, the shells being less massive and *Sphæroidina* and *Pullenia* did not appear to be present in the surface gatherings.

## STATION 134.

**Station 134** (Sounding 217), off Tristan da Cunha (see Chart 16 and Diagram 7).

October 14, 1873; lat. 36° 12' S., long. 12° 16' W.

Temperature of air at noon, 47°·8; mean for the day, 47°·3.

Temperature of water:—

Surface, . . . . .	53·5	1100 fathoms, . . . . .	36·8
200 fathoms, . . . . .	46·0	1300 " . . . . .	36·6
700 " . . . . .	37·2	Bottom, . . . . .	36·0
900 " . . . . .	37·0		

Density at 60° F. at surface, 1·02616; bottom, 1·02583.

Depth, 2025 fathoms; deposit, Globigerina Ooze, containing 59·18 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3 A.M. got up steam. At 4.30 A.M. shortened and furled sails. At 5.30 A.M. observed Tristan da Cunha with its snow-covered summit to the S.S.W. At 7 A.M. stopped and sounded in 2025 fathoms. At 9 A.M. put dredge over. Obtained a series of temperatures. At 1.15 P.M. commenced heaving in dredge, which came up at 3 P.M. with a few specimens. Proceeded under steam. At 4 P.M. altered course as requisite to swing ship. At 6 P.M. completed swinging ship. At sunset Tristan da Cunha ahead. Director of Scientific Staff arranging exploring parties for examining the island on the morrow. At 10.15 P.M. stopped and lay to for the night, the island of Tristan da Cunha to the S.W. The weather became sensibly colder, necessitating change of clothing.