

Surface Organisms.—The following species are recorded from the surface in the vicinity of this Station :—

STATION 150.
ORGANISMS FROM
SURFACE-NETS.

ANNELIDA (M'Intosh, Zool. pt. 34).

Tomopteris carpenteri, Quatrefages (?).

AMPHIPODA (Stebbing, Zool. pt. 67).

Vibilia antarctica, n.sp.

Ethemisto thomsonii, Stebbing.

PTEROPODA (Pelseneer, Zool. pt. 65).

Limacina australis (Eydoux and Souleyet).

Clio sulcata (Pfeffer).

TUNICATA (Herdman, Zool. pt. 76).

Salpa cylindrica, Cuvier.

In addition, the following are recorded in the note-books :—Ctenophoræ, *Sagitta* young Aphroditaceans, Copepods, *Hyperia*, and *Euphausia*. At times the surface-net was full of living Diatoms, in masses forming a yellowish slime, among which could be distinguished small *Globigerinæ* and Radiolarians. When dragged at a depth of 100 fathoms, the tow-nets produced similar results.

The ship anchored in Corinthian Bay, Heard Island, at 3.40 P.M. on February 6, and one boat's party landed, but the weather became unfavourable, and anchor was weighed at 4.30 A.M. on February 7, as it was considered inadvisable to remain longer at anchor in such an exposed position (for description of Heard Island, see *Narr. Chall. Exp.*, vol. i. pp. 369-378).

Station 151 (Sounding 255), off Heard Island (see Chart 22).

STATION 151.

February 7, 1874 ; lat. 52° 59' 30" S., long. 73° 33' 30" E.

Temperature of air at noon, 37°·8 ; mean for the day, 36°·6.

Temperature of water at surface, 36°·2.

Density at 60° F. at surface 1·02515.

Depth, 75 fathoms ; deposit, Volcanic Sand, containing 2·58 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4 A.M. got up steam, and at 4.30 A.M. weighed anchor and proceeded out of Corinthian Bay, Heard Island. Shaped course E. by N. for Shag Rock. At 7 A.M. stopped and sounded in 75 fathoms near Shag Rock. At 7.30 A.M. put over dredge, which came up at 8.45 A.M. containing many specimens. In these cold regions the bottom of the sea seemed to be teeming with animal life. Proceeded N.W. by W., and at 9.50 A.M. sounded in 60 fathoms. At 10.30 A.M. sounded in 75 fathoms. At 11.45 A.M. stopped engines, made all plain sail, and proceeded, shaping course towards the South Pole in the track