

At 8 A.M. got up steam, and at 8.30 A.M. shortened and furled sails. At 9 A.M. put trawl over and veered 2600 fathoms. At 10.30 A.M. sounded in 2800 fathoms. Took serial temperatures down to the bottom. The carbonic acid was determined in the bottom (?) water, and amounted to 51.7 milligrammes per litre. At 1.20 P.M. trawl-rope carried away, probably owing to friction against ship's side, as the rope parted close to the ship, and the trawl and over 3000 fathoms of rope were lost. At 5 P.M. completed observations and made sail. Albatrosses, mutton birds, black night hawks, and *Thalassidroma* were seen. STATION 324.

Tristan da Cunha distant at noon, 1740 miles. Made good 121 miles. Amount of current 30 miles, direction S. 56° E.

Surface Organisms.—The following species are recorded from the surface at this Station :— ORGANISMS FROM SURFACE-NETS.

## COPEPODA (Brady, Zool. pt. 23).

*Calanus valgus*, n.sp.

„ *tonsus*, n.sp.

*Acartia denticornis*, n.sp.

*Pontella detruncata* (Dana).

*Saphirina inæqualis*, Dana.

## TUNICATA (Herdman, Zool. pt. 76).

*Salpa democratica - mucronata*,  
Forskål.

## FISHES (Günther, Zool. pt. 78).

Ovum of a Scombresocid.

In addition, the following are recorded in the note-books from the tow-nets at the surface and down to 60 fathoms :—Diatoms, Coccospheres, and Rhabdoliths entangled in the sarcode of the Foraminifera, *Globigerina*, *Orbulina*, *Hastigerina*, *Acanthometræ* and compound Radiolaria, two forms of Medusæ, many Siphonophoræ, *Sagitta*, *Tomopteris*, Hyperids, *Squilla* larvæ, Mysids, *Euphausia* and larvæ, *Sergestes* larvæ, young of *Ianthina* and other Gasteropods, and other small shells, *Atlanta* and other Heteropods, *Styliola*, *Limacina*, and other Pteropods (one form with eggs in sac-like masses, in some of which the shell was partly, and in others almost completely, developed), several small forms of *Salpæ*, three forms of *Appendicularia*, and young fishes. A large shark was seen at the stern of the ship.

Station 325 (Sounding 475), Rio de la Plata to Tristan da Cunha (see Chart 16 and Diagram 6). STATION 325.

March 2, 1876 ; lat. 36° 44' S., long. 46° 16' W.

Temperature of air at noon, 74°·8 ; mean for the day, 71°·4.