

In addition, the following are recorded in the note-books from the tow-nets at the surface and down to 50 fathoms :—*Peridinium tripos*, *Globigerina*, *Acanthometrae* and compound Radiolaria, *Carchesium*, Medusæ, *Beroë*, Echinoderm larvæ, *Sagitta*, *Alciopa*, Aphroditacean larvæ, Planarians, *Cypridina*, Hyperids, Zoëæ of Decapods, *Archizoëa*, *Atlanta*, *Firoloida*, *Limacina* and other Pteropods, *Cymbulia* larvæ, *Membranipora* larvæ, *Appendicularia*, and many specimens of a stage of *Doliolum*, which gave the tow-net a slight reddish appearance. The tow-net sent down to 50 fathoms contained a number of *Globigerinæ*, which were not noticed in the surface hauls, and several organisms apparently indicating the presence of shore or river water, such as Echinoderm larvæ, *Membranipora* larvæ, Planarians, *Carchesium*, and Aphroditacean larvæ.

Station 327 (Sounding 477), Rio de la Plata to Tristan da Cunha (see Chart 16 and Diagram 6). STATION 327.

March 4, 1876; lat. 36° 48' S., long. 42° 45' W.

Temperature of air at noon, 68°·8; mean for the day, 68°·4.

Temperature of water :—

Surface,	70·2	300 fathoms,	46·0
25 fathoms,	68·0	400 "	40·4
50 "	66·8	500 "	38·4
75 "	65·6	600 "	37·8
100 "	64·0	700 "	37·6
125 "	62·0	800 "	37·4
150 "	59·7	900 "	37·2
175 "	57·5	1000 "	37·0
200 "	55·0	2225 "	34·0
225 "	52·5	2425 "	33·5
250 "	50·3	2625 "	33·1
275 "	48·2	Bottom,	32·8

Density at 60° F. at surface, 1·02633; bottom, 1·02614.

Depth, 2900 fathoms; deposit, Red Clay, containing no carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 1.30 P.M. shortened and furled sails, and proceeded under steam, and at 2.30 P.M. sounded in 2900 fathoms. Over a litre of the deposit was obtained in the sounding-tube, the upper layers having a dark slate colour, while the lower layers had a tinge of red and were more compact. Obtained serial temperatures. At 5 P.M. completed observations, and at 5.20 P.M. made sail. Albatrosses, black petrels, and another petrel were seen.

Tristan da Cunha distant at noon, 1462 miles. Made good 89 miles. Amount of current for the past two days 26 miles, direction S. 70° E.