

and made sail. *Diomedea exulans*, *Procellaria æquinoctialis*, and *Thalassidromas* STATION 328. were seen.

Tristan da Cunha distant at noon, 1300 miles. Made good 114 miles. No current.

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

COPEPODA (Brady, Zool. pt. 23).

*Pontella magna* (Lubbock).

The tow-net yielded only one or two small fishes, a specimen of *Velella*, a few Copepods, and some larval shells.

Station 329 (Sounding 479), Rio de la Plata to Tristan da Cunha (see Chart 16 and Diagram 6). STATION 329.

March 7, 1876 ; lat. 37° 31' S., long. 36° 7' W.

Temperature of air at noon, 67°·8 ; mean for the day, 66°·0.

Temperature of water :—

Surface, . . . . .	64·5	400 fathoms, . . . . .	38·9
25 fathoms, . . . . .	63·7	500 " . . . . .	38·0
50 " . . . . .	57·0	600 " . . . . .	37·4
75 " . . . . .	55·8	700 " . . . . .	37·0
100 " . . . . .	54·5	800 " . . . . .	37·0
125 " . . . . .	53·2	900 " . . . . .	37·0
150 " . . . . .	51·3	1000 " . . . . .	37·0
175 " . . . . .	48·0	1800 " . . . . .	37·0
200 " . . . . .	45·0	2000 " . . . . .	36·0
225 " . . . . .	43·0	2200 " . . . . .	32·6
250 " . . . . .	41·5	2400 " . . . . .	32·5
275 " . . . . .	40·7	Bottom, . . . . .	32·3
300 " . . . . .	40·2		

Density at 60° F. :—

Surface, . . . . .	1·02606	2000 fathoms, . . . . .	1·02584
200 fathoms, . . . . .	1·02569	Bottom, . . . . .	1·02576
400 " . . . . .	1·02535		

Depth, 2675 fathoms ; deposit, Red Clay, containing 0·70 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 10 A.M. got up steam. At 11 A.M. shortened and furled sails, and proceeded under steam to sound. At noon sounded in 2675 fathoms. Took serial temperatures, and obtained specimens of water. At 5.20 P.M. completed observations and made sail. *Diomedea exulans*, *Diomedea fuliginosa* (?), molly mauks (*Diomedea melanophrys* ?),