

Temperature of water:—

STATION 347.

Surface,	82.0	190 fathoms,	49.5
10 fathoms,	81.2	200 "	48.7
20 "	78.0	225 "	47.8
30 "	74.0	250 "	46.0
40 "	69.8	275 "	45.0
50 "	65.2	300 "	44.0
60 "	61.8	400 "	42.0
70 "	60.5	500 "	41.4
80 "	59.7	600 "	41.0
90 "	58.8	700 "	40.6
100 "	58.0	800 "	40.3
110 "	57.2	900 "	40.0
120 "	56.3	1000 "	39.7
130 "	55.5	1100 "	39.3
140 "	54.6	1200 "	39.0
150 "	53.8	1300 "	38.7
160 "	53.0	1400 "	38.3
170 "	52.1	1500 "	38.0
180 "	50.3	Bottom,	36.2

Density at 60° F. :—

Surface,	1.02639	300 fathoms,	1.02565
25 fathoms,	1.02664	1500 "	1.02595
50 "	1.02690	Bottom,	1.02589
100 "	1.02609		

Depth, 2250 fathoms; deposit, Globigerina Ooze, containing 84.48 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3.20 P.M. stopped, and at 3.30 P.M. sounded in 2250 fathoms. Obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 300 fathoms, and amounted to 45.5 milligrammes per litre. At 6.40 P.M. completed observations and proceeded under steam and sail. One or two Thalassidromas were seen.

Cape Verde distant at noon, 940 miles. Made good 125 miles. Amount of current 24 miles, direction S. 57° W.

RADIOLARIA (Haeckel, Zool. pt. 40).—The following species of Radiolaria were observed in the deposit from this Station:—

ORGANISMS FROM
THE DEPOSIT.*Cenosphaera bombus*, Haeckel." *perforata*, Haeckel.*Xiphosphaera maxima*, Haeckel.*Stylosphaera musa*, Haeckel.*Ellipsidium echinidium*, Haeckel.*Lithomespilus flammabunulus*, Haeckel.*Hymeniastrum pythagoræ*, Ehrenberg.*Pentophastrum dicranastrum*, Haeckel.*Octopyle staurostyle*, Haeckel.*Archicircus ovalis*, Haeckel.*Semantrum sphragisma*, Haeckel.*Podocoronis tetrapodiscus*, Haeckel.