

Density at 60° F.:—

STATION 267.

Surface, . . . . .	1·02490	300 fathoms, . . . . .	1·02562
25 fathoms, . . . . .	1·02552	400 „ . . . . .	1·02560
50 „ . . . . .	1·02552	800 „ . . . . .	1·02570
100 „ . . . . .	1·02578	2275 „ . . . . .	1·02564
200 „ . . . . .	1·02567	Bottom, . . . . .	1·02572

Depth, 2700 fathoms; deposit, Radiolarian Ooze, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5.20 A.M. stopped and sounded in 2700 fathoms; only a small quantity of deposit came up in the sounding-tube. Obtained serial temperatures down to 1500 fathoms, and also specimens of water. The carbonic acid was determined in bottom water, and amounted to 40·5 milligrammes per litre. At 1 P.M. lowered four tow-nets attached a short distance from each other to the dredging-rope, and veered 2000 fathoms. Sent dingy away for surface collecting and to test the transparency of the water. At 2 P.M. commenced heaving in tow-nets which came up all foul at 3.30 P.M. At 4 P.M. proceeded under steam and sail. Several boobies and gannets were seen.

Venus Point, Tahiti, distant at noon, 1620 miles. Made good 97 miles. Amount of current 19 miles, direction S. 34° E.

**Surface Organisms.**—The following species are recorded from the tow-nets at the surface and down to a depth of 2000 fathoms:—

ORGANISMS FROM  
SURFACE-NETS.

## RADIOLARIA (Haeckel, Zool. pt. 40).

*Rhaphidozoum pelagicum*, Haeckel.  
*Collosphæra pyriformis*, Haeckel (?).  
 „ *polyedra*, Haeckel.  
*Siphonosphæra macrosiphonia*, Haeckel.  
*Hexalonche xenophanis*, Haeckel.  
*Hexacantium axophænum*, Haeckel.  
 „ *papillosum*, Haeckel.  
*Acanthosphæra capillaris*, Haeckel.  
*Heliosphæra polygonaria*, Haeckel.  
*Claudococcus pinetum*, Haeckel.  
*Haliomma wyvillei*, Haeckel.  
*Heliosoma radians*, Haeckel.  
*Elatomma pinetum*, Haeckel.  
*Diplosphæra hexagonalis*, Haeckel.  
*Actinomma capillaceum*, Haeckel.  
*Arachnosphæra dolichacantha*, Haeckel.  
*Cypassis puella*, Haeckel.  
*Stylotrochus craticulatus*, Haeckel.  
*Larcarium octostylum*, Haeckel.

*Lithelius solaris*, Haeckel.  
*Actinelius primordialis*, Haeckel.  
*Acanthometron cylindricum*, Haeckel.  
 „ *bulbiferum*, Haeckel.  
*Zygacantha costata*, Haeckel.  
*Acanthonia denticulata*, Haeckel.  
 „ *diplopyramis*, Haeckel.  
*Amphilonche conica*, Haeckel.  
 „ *acufera*, Haeckel.  
*Acantholonche amphipolaris*, Haeckel.  
*Icosaspis cruciata*, Haeckel.  
*Belonaspis conifera*, Haeckel.  
*Plectophora pyramidalis*, Haeckel.  
*Dendrocircus arborescens*, Haeckel.  
*Protympanium primordiale*, Haeckel.  
*Anthospyris aculeata*, Haeckel.  
*Arachnocarpis sphæroides*, Haeckel.  
*Cornutella hexagona*, Haeckel.  
*Eucecryphalus halicalyptra*, Haeckel.