

Distance at noon from St. Paul's Rocks, 816 miles. Made good 62 miles. Amount of current 27 miles, direction S. 45° E. STATION 99.

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

COPEPODA (Brady, Zool. pt. 23).

*Miracia efferata*, Dana.

Willemoes-Suhm writes: "Very successful hauls with the tow-net were taken up till 9.30 P.M., but after that hour very little was obtained, though the sea all around continued to be highly phosphorescent. Besides the small Crustacea, the phosphorescence was due to innumerable specimens of *Pyrocystis* floating everywhere in the water. There were young Pleuronectids somewhat larger than those got yesterday; in one of the specimens one eye is more prominent than the other, though not to be called asymmetrical. In addition there were large numbers of Copepods, many larvæ of Squillids, *Lucifer*, *Zoëæ*, *Pneumonoderma*, and *Cranchia*."

Station 100 (Sounding 171), St. Vincent to St. Paul's Rocks (see Chart 12 and Diagram 7). STATION 100.

August 16, 1873; lat. 7° 1' N., long. 15° 55' W.

Temperature of air at noon, 78°·8; mean for the day, 77°·8.

Temperature of water :—

Surface, . . . . .	79·0	500 fathoms, . . . . .	40·4
10 fathoms, . . . . .	79·0	600 " . . . . .	39·7
20 " . . . . .	78·0	700 " . . . . .	39·4
30 " . . . . .	73·4	800 " . . . . .	39·1
40 " . . . . .	64·2	900 " . . . . .	38·8
50 " . . . . .	60·8	1000 " . . . . .	38·5
75 " . . . . .	56·8	1100 " . . . . .	38·2
100 " . . . . .	55·2	1200 " . . . . .	38·0
200 " . . . . .	49·5	1300 " . . . . .	37·8
300 " . . . . .	45·0	1400 " . . . . .	37·6
400 " . . . . .	42·0	1500 " . . . . .	37·4

Density at 60° F. :—

Surface, . . . . .	1·02612	100 fathoms, . . . . .	1·02626
40 fathoms, . . . . .	1·02652	200 " . . . . .	1·02597

Depth, 2425 fathoms.