

APRIL 26 TO 29,  
1876.

small *Ianthinæ*, *Atlanta*, *Heterofusus* [= *Limacina*], *Pleuropus* [= *Carolinia*], and other Pteropods, *Spirula* shells (with *Lepas* attached) and other Cephalopods, *Doliolum*, *Appendicularia*, *Salpa* (with *Coccospheres*, *Rhabdospheres*, *Peridinium*, small *Acanthometræ*, and large orange-coloured cells in the stomachs), *Leptocephalus*, Scopelids, flying fishes and young, and other small fishes. The eyes of the larval *Euphausiæ* were the chief cause of phosphorescence; one Copepod gave off light from several parts of its body when irritated, and sometimes the eyes of the Megalopæ gave off a little light, as did also *Tornaria*. Several large balls of phosphorescence went past the ship occasionally in the evening, evidently *Pyrosomæ*, while large flashes were seen apparently pretty far down in the water, which may have been caused by fishes.

STATION 353.

**Station 353** (Sounding 503), St. Vincent towards Azores (see Chart 6 and Diagram 7).

May 3, 1876; lat. 26° 21' N., long. 33° 37' W.

Temperature of air at noon, 70°·0; mean for the day, 69°·1.

Temperature of water:—

Surface, . . . . .	70·7	190 fathoms, . . . . .	59·4
10 fathoms, . . . . .	69·7	200 " . . . . .	58·8
20 " . . . . .	69·0	225 " . . . . .	57·4
30 " . . . . .	68·2	250 " . . . . .	56·1
40 " . . . . .	67·6	275 " . . . . .	55·0
50 " . . . . .	67·1	300 " . . . . .	53·9
60 " . . . . .	66·5	400 " . . . . .	49·5
70 " . . . . .	66·0	500 " . . . . .	46·3
80 " . . . . .	65·4	600 " . . . . .	43·5
90 " . . . . .	64·9	700 " . . . . .	41·5
100 " . . . . .	64·3	800 " . . . . .	40·3
110 " . . . . .	63·8	900 " . . . . .	39·7
120 " . . . . .	63·2	1000 " . . . . .	39·2
130 " . . . . .	62·7	1100 " . . . . .	38·8
140 " . . . . .	62·1	1200 " . . . . .	38·5
150 " . . . . .	61·6	1300 " . . . . .	38·2
160 " . . . . .	61·0	1400 " . . . . .	37·9
170 " . . . . .	60·5	1500 " . . . . .	36·6
180 " . . . . .	59·9	Bottom, . . . . .	36·6

Density at 60° F.:—

Surface, . . . . .	1·02768	300 fathoms, . . . . .	1·02691
25 fathoms, . . . . .	1·02753	400 " . . . . .	1·02636
50 " . . . . .	1·02736	2500 " . . . . .	1·02678
100 " . . . . .	1·02712	Bottom, . . . . .	1·02708
200 " . . . . .	1·02683		