

STATION 221.

specimens of *Coryphæna* were seen, as well as some fishes jumping about the surface of the water. The screw was taken up and found to be covered by a small *Tubularia*, along with *Lepas*, *Balanus*, *Caprella*, and a small crab.

Willemoes-Suhm writes: "*Lucifer* was plentiful and I found its larva in abundance, and also some Zoëæ which, I think, belonged to it. They were much smaller than the corresponding stages of *Sergestes*, but I afterwards found that the full-grown Zoëa of *Lucifer* was about the same length as the spiny *Elaphocaris* (Zoëa of *Sergestes*), and differed only in the absence of spines."

Moseley writes: "On the 15th the tow-net was filled with a *Corycæus*, the same species as that figured by Suhm from the Atlantic, with the prominences of the body for the reception of the nervous parts of the enormously-enlarged eyes."

STATION 222.

Station 222 (Sounding 360), Admiralty Islands to Yokohama (see Chart 31 and Diagram 16).

March 16, 1875; lat. 2° 15' N., long. 146° 16' E.

Temperature of air at noon, 82°·8; mean for the day, 81°·9.

Temperature of water:—

Surface,	82·8	180 fathoms,	49·3
10 fathoms,	82·8	190 "	48·9
20 "	82·6	200 "	48·5
30 "	82·4	300 "	45·5
40 "	82·2	400 "	43·2
50 "	82·0	500 "	41·1
60 "	81·8	600 "	39·3
70 "	81·7	700 "	38·0
80 "	81·2	800 "	37·1
90 "	80·3	900 "	36·5
100 "	78·9	1000 "	36·1
110 "	76·0	1100 "	35·9
120 "	63·2	1200 "	35·7
130 "	55·6	1300 "	35·5
140 "	52·7	1400 "	35·2
150 "	51·0	1500 "	35·2
160 "	50·2	Bottom,	35·2
170 "	49·7		

Density at 60 F.:—

Surface,	1·02634	200 fathoms,	1·02583
50 fathoms,	1·02628	300 "	1·02560
70 "	1·02603	380 "	1·02561
100 "	1·02605	Bottom,	1·02560