

STATION 64.
ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface at this Station :—

RADIOLARIA (Haeckel, Zool. pt. 40).

Acrosphæra inflata, Haeckel.
Xiphostylus ardea, Haeckel.
Spongellipsis aplysina, Haeckel.
Eucyrtidium scalarium, Haeckel.
Lithocampe quadrarticulata, Haeckel.

BRACHYURA (Miers, Zool. pt. 49).

Nautilograpsus minutus (Linné).

GASTEROPODA (Watson, Zool. pt. 42).

Ianthina rotundata, Leach.
Litiopa melanostoma, Rang.

In addition, the following are recorded in the note-books :—*Tetrastemma fuscum* on *Nautilograpsus*, *Scyllæa pelagica*, *Salpæ*, and the surface organisms mentioned on the 17th. The absence of *Phyllosoma*, *Zoëæ*, and Stomatopod larvæ is to be noted.

Moseley writes: "Murray went out and caught a number of very fine specimens of *Ianthina*, with *Scyllæa pelagica* and *Nautilograpsus minutus* living attached and simulating in some instances the colour of that animal and its float, being of a slightly mottled blue. Some *Fucus (nodosus?)* of a bright yellow colour was found floating in a perfectly living condition. This we have not met with before, but only *Sargassum bacciferum*."

Willemoes-Suhm writes: "On closer examination the specimens of *Nautilograpsus* were found to be covered by small brown spots, which turned out to be little parasitic Nemerteans; these animals have not hitherto been found living as parasites. The Nemeritean is a small ordinary Tremacephalid, presenting no changes adduced by parasitism; from its colour I have called it *Tetrastemma fuscum*, n.sp."

STATION 65.

Station 65 (Sounding 129), Bermuda to Azores (see Chart 6 and Diagram 3).

June 21, 1873; lat. 36° 33' N., long. 47° 58' W.

Temperature of air at noon, 74°·8; mean for the day, 73°·3.

Temperature of water :—

Surface,	72·5	900 fathoms,	40·0
100 fathoms,	64·0	1000 "	39·3
200 "	63·5	1100 "	38·7
300 "	61·2	1200 "	38·4
400 "	57·2	1300 "	38·1
500 "	52·0	1400 "	37·8
600 "	45·2	1500 "	37·5
700 "	42·0	Bottom,	36·2
800 "	41·0		

Density at 60° F. at surface, 1·02721; bottom, 1·02598.