

STATION 63.

found in great depths, which I have hitherto been unable to get out of the tube in a satisfactory way."

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface near this Station (June 18, 19):—

AMPHIPODA (Stebbing, Zool. pt. 67).

Phrosina semilunata, Risso.

SCHIZOPODA (Sars, Zool. pt. 37).

Euphausia pellucida, Dana.

Siriella thompsoni (M.-Edwards).

MACRURA (Spence Bate, Zool. pt. 52).

Sergestes atlanticus, M.-Edwards.

Hippolyte bidentatus, n.sp.

PELAGIC HEMIPTERA (White, Zool. pt. 19).

Halobates willerstorffi, Frauenfeld.

PTEROPODA (Pelseneer, Zool. pt. 65).

Clio (Creseis) acicula (Rang).

„ *pyramidata*, Linné.

Cuvierina columnella (Rang).

Cavolinia trispinosa (Lesueur).

At night large quantities of luminous animals were observed in the water, and being nearly calm great numbers were caught in the tow-net, which was hauled in four times during the night. There were large specimens of *Alciopa* 5 dcm. in length and 6 mm. in breadth, *Tomopteris*, *Sagitta*, Cypris-like larva of a Cirriped, many Amphipods, especially *Phronima* and *Hyperia*, the Euphausidæ which have often been caught in great quantities, *Lucifer*, *Halobates*, many specimens of *Atlanta*, *Cleodora* [= *Clio*], *Styliola*, and *Cuvierina*.

STATION 64.

Station 64 (Sounding 128), Bermuda to Azores (see Chart 6).

June 20, 1873; lat. 35° 35' N., long. 50° 27' W.

Temperature of air at noon, 73°·8; mean for the day, 72°·0.

Temperature of water:—

Surface,	75·0	300 fathoms,	58·8
100 fathoms,	63·2	400 „	52·5
200 „	62·5	500 „	46·0

Depth, 2700 fathoms; deposit, Globigerina Ooze, containing 35·00 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9 A.M. put dredge over, the principal object being to get a good sample of the bottom, since the trawl had in the last two hauls brought up some singular concretionary lumps, to which the barnacles were sometimes attached. The dredge used was a small one with two weights of 50 lbs. each a couple of fathoms behind. Dingy away with