

## STATION 54.

## Temperature of water :—

Surface, . . . . .	70·5	100 fathoms, . . . . .	65·0
10 fathoms, . . . . .	69·8	200 „ . . . . .	63·9
20 „ . . . . .	68·2	300 „ . . . . .	61·8
30 „ . . . . .	66·2	350 „ . . . . .	59·5
40 „ . . . . .	65·8	400 „ . . . . .	49·8
50 „ . . . . .	65·2		

Density at 60° F. at surface, 1·02715.

Depth, 2650 fathoms; deposit, Blue Mud, containing 24·56 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9.30 A.M. stopped and sounded in 2650 fathoms. At 12.10 P.M. put trawl over. Second gig away collecting surface animals. At 4.30 P.M. commenced heaving in trawl, which came up at 6.20 P.M. containing a few specimens. The carbonic acid was determined in water from the depth of 1 fathom, and amounted to 45·0 milligrammes per litre.

Distance from Bermuda at noon, 162 miles. Made good 100 miles. Amount of current 7 miles, direction N. 82° E.

ANIMALS FROM  
TRAWL

The following species are recorded in the Zoological Reports from the trawl at this Station :—

## OPHIUROIDEA (Lyman, Zool. pt. 14).

*Ophioglypha bullata*, Wyville Thomson, n.sp. Eight specimens; obtained also at Stations 45, 61, and 133.

*Amphiura verrilli*, n.sp. Obtained at no other locality.

## ECHINOIDEA (Agassiz, Zool. pt. 9).

*Calymne relicta*, Wyville Thomson, n.g., n.sp. Two specimens; obtained also near Tristan da Cunha (?).

The Station-book records also empty worm-tubes and a shrimp.

Willemoes-Suhm writes: "The trawl brought up a shrimp, which evidently does not belong to the group of deep-sea shrimps previously described, and some worm-tubes formed of very many Foraminifera."

ORGANISMS FROM  
SURFACE-NETS.

**Surface Organisms.**—Fine brown Medusæ, *Tomopteris*, *Ianthina* with egg-capsules, and Heteropods, were taken on the surface.