

Density at 60° F. :—

STATION 320.

Surface,	1·02523	200 fathoms,	1·02531
25 fathoms,	1·02534	400 „	1·02533
50 „	1·02488	Bottom,	1·02541
100 „	1·02562		

Depth, 600 fathoms; deposit, Blue Mud, containing 11·89 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.30 A.M. proceeded under steam and sail, the wind having fallen off. At 8.30 A.M. shortened and furled sails. At 9 A.M. stopped and sounded in 600 fathoms; the sounding-tube contained only a small phosphatic concretion. Put trawl over. Obtained serial temperatures down to bottom. At 11.30 A.M. commenced heaving in trawl, which came up at 12.30 P.M. containing a little mud, five or six phosphatic concretions, and numerous specimens. This was one of the richest hauls made during the cruise. At 2 P.M. proceeded under steam and sail.

Lobos Island distant at noon, 144 miles. Made good 110 miles. Amount of current 17 miles, direction S. 5° W.

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

ANIMALS FROM
TRAWL.

MONAXONIDA (Ridley and Dendy, Zool. pt. 59).

Halichondria latrunculioides, n.sp. Three specimens; obtained at no other locality.

„ sp. (?). Two specimens.

Gellius lævis, n.sp. Two specimens; obtained at no other locality.

„ *calyx*, n.sp. One specimen; obtained at no other locality.

„ *flabelliformis*, n.sp. Several specimens; obtained at no other locality.

„ sp. (?). One specimen.

Tedania massa, n.sp. Numerous specimens; obtained also at Stations 163 and 313.

Vomerula esperioides, n.sp. One specimen; obtained also at Station 142.

Esperella lapidiformis, n.sp. One specimen; obtained at no other locality.

Phelloderma radiatum, n.g., n.sp. One specimen; obtained at no other locality.

Only species of the genus.

Amphilectus annectens, n.sp. One specimen; obtained at no other locality.

Myxilla spongiosa, n.sp. One specimen; obtained at no other locality.

„ *hastata*, n.sp. One specimen; obtained at no other locality.

„ *compressa*, n.sp. Six or eight specimens; obtained at no other locality.

„ *nobilis*, n.sp. Three specimens; obtained also at Station 148.

Ciocalypta hyaloderma, n.sp. Four specimens; obtained at no other locality.

„ *amorphosa*, n.sp. Five or six specimens; obtained at no other locality.