

STATION 253.

Density at 60° F. :—

Surface,	1·02536	300 fathoms,	1·02517
25 fathoms,	1·02504	400 „	1·02537
50 „	1·02502	800 „	1·02524
100 „	1·02534	3000 „	1·02578
200 „	1·02517	Bottom,	1·02569

Depth, 3125 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.35 A.M. stopped and sounded in 3125 fathoms. At 6 A.M. put over small dredge with swabs and tow-nets at the dredge and weights. At 9 A.M. obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 400, 800, 2990, and 3090 fathoms, and amounted respectively to 39·7, 23·8, 25·5, 30·1 milligrammes per litre. At 1 P.M. commenced heaving in dredge, which came up at 4.40 P.M. with some manganese nodules and a few specimens, and the tow-nets also contained some deposit and manganese nodules. One of the nodules measured 12 × 8 × 2 inches, and had on its upper surface attached Foraminifera, *Serpula*-tubes, four specimens of *Stephanoscyphus*, Polyzoa, Ascidians, while to the under surface some Annelids were attached. At 5 P.M. proceeded under steam. Albatrosses continued to follow the ship.

Distance at noon from Honolulu, 1015 miles. Made good 93 miles. Amount of current 11 miles, direction N.

ANIMALS FROM
DREDGE.

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

ANNELIDA (M'Intosh, Zool. pt. 34).

Leæna abyssorum, n.sp. One specimen; obtained at no other locality.

Placostegus ornatus, Sowerby. One specimen; obtained also at Stations 244 and 285.

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

POLYZOA (Busk, Zool. pt. 30).

Bugula johnstoniæ, Gray. Fragmentary specimens.

Bifaxaria abyssicola, n.g., n.sp. Obtained at no other locality.

Cribrilina monoceros (Busk). For distribution see Station 145.

Phylactella sp. (?). Fragmentary specimens.

TUNICATA (Herdman, Zool. pt. 38).

Bathyoncus minutus, n.g., n.sp. One specimen; obtained at no other locality.