

Density at 60° F. :—

STATION 256.

Surface,	1·02636	300 fathoms,	1·02525
25 fathoms,	1·02614	400 "	1·02520
50 "	1·02588	800 "	1·02533
100 "	1·02547	2875 "	1·02537
200 "	1·02530	Bottom,	1·02565

Depth, 2950 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3.30 A.M. shortened and furled sails. At 4 A.M. got up steam. At 4.40 A.M. proceeded under steam, and at 5 A.M. sounded in 2950 fathoms. At 8 A.M. put small dredge over with tow-nets attached at the weights and at the dredge. At 9 A.M. lowered whaler with naturalist for surface collecting. Obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 2875 fathoms, and amounted to 29·9 milligrammes per litre. At 1 P.M. commenced heaving in dredge, which came up at 5.30 P.M. with a large quantity of clay, a few manganese nodules, sharks' teeth, and pumice-stones. The tow-net at the dredge contained some mud, while the tow-net at the weights had not touched the bottom and contained some intermediate water organisms. Proceeded under steam. Albatrosses were still numerous; one was shot having a piece of cotton handkerchief round its neck, and one was caught and let go again with a parchment label tied round its neck. Stormy petrels and boatswain birds were also seen.

Honolulu distant at noon, 568 miles. Made good 41 miles. Amount of current 11 miles, direction N. 62° W.

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

ANIMALS FROM
DREDGE.

DEEP-SEA KERATOSA (Haeckel, Zool. pt. 82).

Ammoconia sagenella, n.g., n.sp. Obtained at no other locality.

LAMELLIBRANCHIATA (Smith, Zool. pt. 35).

Leda prolata, n.sp. One specimen; obtained at no other locality.

In the washings of the mud were a few worm-tubes and some arenaceous Foraminifera, while a few specimens of *Stephanoscyphus* were attached to the nodules. Among the nodules was one formed round the vertebra of a small Cetacean.

The following species of Foraminifera and Radiolaria were observed in the deposit from this Station (see also Murray and Renard, Deep-Sea Deposits Chall. Exp.) :—