

STATION 252.

Density at 60° F. :—

Surface,	1.02535	300 fathoms,	1.02514
35 fathoms,	1.02511	400 "	1.02518
75 "	1.02522	850 "	1.02546
130 "	1.02532	2640 "	1.02527
225 "	1.02527	Bottom,	1.02567

Depth, 2740 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3 A.M. shortened and furled sails, and got up steam. At 4.30 A.M. proceeded under steam. Put trawl over, veering 3500 fathoms. At 7 A.M. sounded in 2740 fathoms. Obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in bottom water, and amounted to 42.0 milligrammes per litre. At 1.10 P.M. commenced heaving in trawl, which came up much torn at 4.20 P.M., but containing many hundreds, of manganese nodules (the nuclei of which consisted of pumice, volcanic glass, and *Carcharodon*, *Oxyrhina*, and *Lamna* teeth), and one or two living animals. Swung ship to ascertain error of compasses, and at 6 P.M. proceeded under steam. Albatrosses and stormy petrels were seen.

Honolulu distant at noon, 1002 miles. Made good 57 miles. Amount of current 14 miles, direction N. 43° E.

ANIMALS FROM
TRAWL.

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

ISOPODA (Beddard, Zool. pt. 48).

Eurycope intermedia, n.sp. One specimen; obtained at no other locality.

SCHIZOPODA (Sars, Zool. pt. 37).

Boreomysis obtusata, n.sp. One specimen; obtained also at Station 232.

In addition to the foregoing, a fragment of arm of *Brisinga* and backbone of small fish were attached to the trawl-net, and Professor Thomson remarks that a small starfish, probably a *Hymenaster*, fell off the net as the trawl was being taken in.

ORGANISMS FROM
THE DEPOSIT.

RADIOLARIA (Haeckel, Zool. pt. 40).—The following species of Radiolaria were observed in the deposit from this Station (see also Murray and Renard, Deep-Sea Deposits Chall. Exp.) :—

Siphonosphæra serpula, Haeckel.
Clathrosphæra circumtexta, Haeckel.
Theocyrtis proserpinæ, Haeckel.
Aulographis hexancistra, Haeckel.
Auloceros dicranaster, Haeckel.

Aulospathis triodon, Haeckel.
Challengeron triangulum, Haeckel.
Conchellium tridacna, Haeckel.
Conchopsis compressa, Haeckel.