

STATION 231.

Density at 60° F.:—

Surface,	1.02541	200 fathoms,	1.02546
25 fathoms,	1.02566	300 "	1.02544
50 "	1.02562	400 "	1.02549
100 "	1.02650	Bottom,	1.02579

Depth, 2250 fathoms; deposit, Blue Mud, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4 A.M. got up steam. At 5.30 A.M. shortened and furled sails. At 6 A.M. proceeded under steam, and at 6.15 A.M. sounded in 2250 fathoms. At 8 A.M. obtained serial temperatures down to 1500 fathoms. At 11.30 A.M. completed observations, and made all plain sail. Black and white albatrosses were seen.

Distance at noon from Redfield Rocks, 189 miles. Made good 70 miles. Amount of current 7 miles, direction S.

ORGANISMS FROM
THE DEPOSIT.

RADIOLARIA (Haeckel, Zool. pt. 40).—The following species of Radiolaria were observed in the deposit from this Station:—

<i>Distephanus corona</i> , Haeckel.	<i>Challengeria harstoni</i> , Murray.
<i>Aulographis tumorpha</i> , Haeckel.	" <i>murrayi</i> , Haeckel.
" <i>furcula</i> , Haeckel.	<i>Challengeron channeri</i> , Murray.
<i>Aulospathis diodon</i> , Haeckel.	" <i>ciliatum</i> , Haeckel.
<i>Challengeria sigmodon</i> , Haeckel.	<i>Haeckeliana goetheana</i> , Haeckel.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface at this Station:—

RADIOLARIA (Haeckel, Zool. pt. 40).	<i>Sagoplegma pyramidophora</i> , Haeckel.
<i>Staurotholus polystylus</i> , Haeckel.	<i>Aulosphaera triodon</i> , Haeckel.
<i>Staurotholonium octodoratium</i> , Haeckel.	<i>Aulosцена tentorium</i> , Haeckel.
<i>Sethoconus trochus</i> , Haeckel.	<i>Auloplegma spongiosum</i> , Haeckel.
<i>Theocampe cryptoprora</i> , Haeckel.	<i>Medusetta quadrigata</i> , Haeckel.
<i>Auloceros furcosus</i> , Haeckel.	<i>Castanissa crosbiei</i> , Haeckel.

In addition, the following are recorded in the note-books (April 9, 10):—Diatoms, *Noctiluca*, *Pyrocystis* (two varieties), *Peridinium* (two species) *in catena*, *Acineta* (on tails of Copepods), *Globigerina*, *Orbulina*, *Hastigerina*, *Pulvinulina*, Challengeridæ (from tow-net sent down to 1000 fathoms), Medusæ, Diphyids, *Veleva*, Ctenophoræ, small Ophiurid (from net sent down to 1000 fathoms), *Sagitta*, *Tomopteris*-like Annelid, Annelid and Planarian larvæ, *Cythere*, *Cypridina* (several species), *Saphirina* and other Copepods, *Rhabdosoma*, *Phronima*, *Phornimella*, *Anchylomera*, Hyperids, *Oxycephalus*,