

Depth, 2600 fathoms; deposit, Red Clay, containing 19·13 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.) STATION 165A.

Weather very fine. At 1.30 P.M. stopped and sounded in 2600 fathoms. Took serial temperatures down to 1500 fathoms, and specimens of water down to 400 fathoms. The carbonic acid was determined in water from 5 fathoms, and amounted to 51·1 milligrammes per litre. Cutter away with naturalists for surface collecting. At 5 P.M. completed observations, and proceeded under steam.

Cape Farewell distant at noon, 735 miles. Made good 148 miles. Amount of current 14 miles, direction S. 60° E.

FORAMINIFERA (Brady, Zool. pt. 22).—The following species of Foraminifera were observed in the deposit from this Station; the pelagic species, which make up about 52 per cent. of the carbonate of lime present in the deposit, are marked thus × :— ORGANISMS FROM THE DEPOSIT.

<i>Biloculina depressa</i> , d'Orbigny.	<i>Lagena laevis</i> (Montagu).
„ <i>irregularis</i> , d'Orbigny.	„ <i>marginata</i> (Walker and Boys).
<i>Haplophragmium agglutinans</i> (d'Orbigny).	„ „ var. <i>semimarginata</i> , Reuss.
„ <i>latidorsatum</i> (Bornemann).	„ <i>squamosa</i> (Montagu).
<i>Ammodiscus incertus</i> (d'Orbigny).	„ sp. (?).
<i>Trochammina galeata</i> , Brady.	<i>Polymorphina angusta</i> , Egger.
„ <i>trullissata</i> , Brady.	<i>Uvigerina tenuistriata</i> , Reuss.
<i>Textularia agglutinans</i> , d'Orbigny.	„ sp. (?).
<i>Gaulryina pupoides</i> , d'Orbigny.	× <i>Globigerina bulloides</i> , d'Orbigny.
„ <i>siphonella</i> , Reuss.	× <i>Orbulina universa</i> , d'Orbigny.
<i>Clavulina communis</i> , d'Orbigny.	<i>Pullenia quinqueloba</i> , Reuss.
<i>Bulimina elegans</i> , d'Orbigny (?).	„ <i>sphaeroides</i> (d'Orbigny).
<i>Virgulina schreibersiana</i> , Czjzek.	<i>Truncatulina lobatula</i> (Walker and Jacob).
<i>Bolivina textularioides</i> , Reuss.	× <i>Pulvinulina crassa</i> (d'Orbigny) (?).
<i>Cassidulina subglobosa</i> , Brady.	„ <i>exigua</i> , Brady.
<i>Lagena acuticosta</i> , Reuss.	<i>Rotalia soldanii</i> , d'Orbigny.
„ <i>auriculata</i> , Brady.	<i>Nonionina umbilicatula</i> (Montagu).
„ <i>hispida</i> , Reuss.	

Surface Organisms.—The sea was very smooth, and Murray from a boat collected many specimens of Foraminifera, *Collozoum inerme* and other Radiolaria, Infusoria, Medusæ, Siphonophoræ, Ctenophoræ, very long specimens of *Alciopa* with intensely black spots, *Sagitta*, Copepods, *Hyperia*, *Euphausia*, and *Salpa*. There were great numbers of minute, quite transparent, jelly-masses, which on examination were found to enclose a number of Coccospheres and occasionally Rhabdospheres, with other small foreign bodies—supposed by Murray to be the *Myxobrachia* of Haeckel; numberless Coccospheres and a few Rhabdospheres were also found in the stomachs of the *Salpæ*. A very long, ribbon-like, animal of a golden green colour—supposed to be a *Cestum*—was observed. ORGANISMS FROM THE SURFACE.