

STATION 111.
ORGANISMS FROM
THE DEPOSIT.

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 89 per cent. of the carbonate of lime present in the deposit, are marked thus × :—

<i>Biloculina depressa</i> , d'Orbigny.	× <i>Globigerina conglobata</i> , Brady.
<i>Spiroloculina tenuis</i> (Czjzek).	× " <i>dubia</i> , Egger.
<i>Miliolina seminulum</i> (Linné).	× " <i>helicina</i> , d'Orbigny.
" <i>venusta</i> (Karrer).	× " <i>inflata</i> , d'Orbigny.
<i>Haplophragmium latidorsatum</i> (Bornemann).	× " <i>sacculifera</i> , Brady.
<i>Ammodiscus gordialis</i> (Jones and Parker).	× <i>Pullenia obliquiloculata</i> , Parker and Jones.
<i>Textularia concava</i> (Karrer).	" <i>sphaeroides</i> (d'Orbigny).
<i>Verneuilina pygmæa</i> (Egger).	<i>Truncatulina lobatula</i> (Walker and Jacob).
<i>Virgulina schreibersiana</i> , Czjzek.	" <i>pygmæa</i> , Hantken.
<i>Lagena globosa</i> (Montagu).	× <i>Pulvinulina crassa</i> (d'Orbigny).
" <i>gracilis</i> , Williamson.	" <i>exigua</i> , Brady.
" <i>lævigata</i> (Reuss).	× " <i>menardii</i> (d'Orbigny).
" <i>lævis</i> (Montagu).	× " <i>nicheliniana</i> (d'Orbigny).
" <i>marginata</i> (Walker and Boys).	× " <i>patagonica</i> (d'Orbigny).
" <i>orbignyana</i> (Seguenza).	× " <i>tumida</i> , Brady.
" <i>sulcata</i> (Walker and Jacob).	" <i>umbonata</i> , Reuss.
<i>Nodosaria communis</i> , d'Orbigny.	<i>Rotalia soldanii</i> , d'Orbigny.
× <i>Globigerina bulloides</i> , d'Orbigny.	<i>Nonionina umbilicatula</i> (Montagu).

STATIONS 112 TO
113A.

Stations 112 to 113A (Soundings 187 to 189), St. Paul's Rocks to Fernando Noronha (see Charts 12 and 14, and Diagram 4).

September 1, 1873; lat. 3° 33' S., long. 32° 16' W.

Temperature of air at noon, 78°·8; mean for the day, 78°·5.

Temperature of water :—

Surface,	78·0	500 fathoms,	39·7
10 fathoms,	78·0	600 "	39·7
20 "	78·0	700 "	39·7
30 "	77·5	800 "	39·7
40 "	73·3	900 "	38·6
50 "	63·2	1000 "	38·1
60 "	59·0	1100 "	37·9
75 "	56·5	1200 "	37·8
100 "	54·4	1300 "	37·7
200 "	46·8	1400 "	37·6
300 "	42·0	1500 "	37·5
400 "	40·0	Bottom,	34·0

Density at 60° F. at surface, 1·02669; bottom, 1·02607.

Depth, 2200 fathoms; deposit, *Globigerina* Ooze, containing 81·27 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).