

## STATION 44.

× *Globigerina conglobata*, Brady.  
 ×   "   *dubia*, Egger.  
 ×   "   *dutertrei*, d'Orbigny.  
 ×   "   *inflata*, d'Orbigny.  
 ×   "   *rubra*, d'Orbigny.  
 ×   "   *sacculifera*, Brady.  
 × *Orbulina universa*, d'Orbigny.  
 × *Pullenia obliquiloculata*, Parker and Jones.  
    "   *quinqueloba*, Reuss.  
    "   *sphaeroides* (d'Orbigny).  
 × *Sphaeroidina dehiscens*, Parker and Jones.  
    *Discorbina bertheloti* (d'Orbigny).  
    *Truncatulina ungeriana* (d'Orbigny).

*Truncatulina wuellerstorfi* (Schwager).  
 × *Pulvinulina canariensis* (d'Orbigny).  
 ×   "   *crassa* (d'Orbigny).  
    "   *elegans* (d'Orbigny).  
 ×   "   *menardii* (d'Orbigny).  
 ×   "   *micheliniana* (d'Orbigny).  
 ×   "   *patagonica* (d'Orbigny).  
 ×   "   *tumida*, Brady.  
*Rotalia soldanii*, d'Orbigny.  
    "   sp. (?).  
*Nonionina pompilioides* (Fichtel and Moll).  
    "   *scapha* (Fichtel and Moll).  
    "   *umbilicatula* (Montagu).

## STATION 45.

Station 45 (Sounding 103), Bermuda to Halifax (see Chart 9 and Diagram 2).

May 3, 1873; lat. 38° 34' N., long. 72° 10' W.

Temperature of air at noon, 47°·8; mean for the day, 49°·2.

Temperature of water:—

Surface, . . . . .	49·5	500 fathoms, . . . . .	38·4
100 fathoms, . . . . .	51·1	600   "   . . . . .	38·1
200   "   . . . . .	43·5	700   "   . . . . .	38·0
300   "   . . . . .	40·2	Bottom, . . . . .	37·2
400   "   . . . . .	39·0		

Density at 60° F. at surface, 1·02504.

Depth, 1240 fathoms; deposit, Blue Mud, containing 14·59 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6.30 A.M. shortened and furled sails, and proceeded under steam to sound. At 8 A.M. sounded in 1240 fathoms. Soon after lowered dredge, which came up at 12.10 P.M. with some mud and many specimens. At 2 P.M. took serial temperatures down to 700 fathoms. Two small birds (finches) alighted on the ship in an exhausted condition.

Distance from Sandy Hook at noon, 139 miles. Made good 73 miles.

ANIMALS FROM  
DREDGE.

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

PENNATULIDA (Kölliker, Zool. pt. 2).

*Protoptilum aberrans*, n.sp. (var. ?). Fragment; obtained also at Stations 44 and 46.