

In addition, the following are recorded in the note-books:—Oscillatoriaceæ, *Pyrocystis* (two forms), Diatoms (some attached to Copepods), *Globigerina*, *Orbulina*, *Pulvinulina*, Medusæ, *Diphyes* and other Siphonophoræ, Echinoderm larvæ, *Sagitta*, *Aleiopa*, Aphroditacean and other Annelid larvæ, *Cypridina*, *Copilia*, *Calanus*, *Saphirina*, and other Copepods, Phronimids, Hyperids, *Euphausia* with eggs, *Oxygyrus*, *Pterotrachea*, *Tiedemannia* [= *Gleba*] and other Pteropods and larvæ, *Appendicularia*, *Doliolum*. The yellow cells (zooxanthellæ) in *Orbulina* and *Globigerina* were observed moving about with the sarcode, and the nucleus in each coloured when treated with carmine. A tow-net was sent down on the trawl and one at the weights, and brought up many specimens of *Phæogromia* and other *Phæodaria*, as well as numerous *Nassellaria*, not observed in the surface-nets. Many of the pelagic Foraminifera were larger and had thicker shells than those taken near the surface, and many of them were dead.

STATION 263.

Station 264 (Sounding 406), Sandwich Islands to Tahiti (see Chart 38 and Diagram 19).

STATION 264.

August 23, 1875; lat. 14° 19' N., long. 152° 37' W.

Temperature of air at noon, 79°·8; mean for the day, 77°·7.

Temperature of water:—

Surface,	77·5	180 fathoms,	48·5
10 fathoms,	77·5	190 "	48·0
20 "	77·4	200 "	47·6
30 "	77·2	300 "	44·5
40 "	76·8	400 "	42·4
50 "	73·9	500 "	40·6
60 "	67·7	600 "	39·5
70 "	63·0	700 "	38·7
80 "	59·1	800 "	38·0
90 "	56·0	900 "	37·4
100 "	54·1	1000 "	36·9
110 "	53·0	1100 "	36·6
120 "	52·0	1200 "	36·3
130 "	51·3	1300 "	35·9
140 "	50·5	1400 "	35·5
150 "	49·8	1500 "	35·2
160 "	49·3	Bottom,	35·2
170 "	48·9		

Density at 60° F.:—

Surface,	1·02572	300 fathoms.	1·02558
25 fathoms,	1·02556	400 "	1·02561
50 "	1·02550	800 "	1·02564
100 "	1·02536	2550 "	1·02536
200 "	1·02561	Bottom,	1·02594