

In addition, the following are recorded in the note-books:—Diatoms, *Pyrocystis*, *Peridinium*, *Globigerina*, *Hastigerina*, *Pullenia*, *Sphæroidina*, *Pulvinulina*, *Diphyes*, Echinoderm larvæ, *Sagitta*, Annelid larvæ, *Evadne*, *Copilia*, *Corycæus*, *Saphirina*, *Oxycephalus*, Hyperids, *Euphausia*, *Lucifer* and larvæ, *Sergestes*, *Amphion*, *Halobates*, small Lamellibranchs and Gasteropods, *Atlanta* and other Heteropods, *Hyalæa* [= *Cavolinia*], *Spirialis* [= *Limacina*], *Styliola*, *Tiedemannia* [= *Gleba*], Pteropod larvæ, *Appendicularia*, *Salpa*. Several sharks were seen. The *Pulvinulinæ* and *Pullenia* were to-day covered with a yellow-coloured sarcode, so as to completely cover and obscure the shell; in this sarcode were entangled small Diatoms, Coccospheres, Rhabdospheres, Infusoria, and small Crustacea. Masses of yellow sarcode, quite similar to that surrounding these Foraminifera, were frequently observed in the tow-net gatherings, and had most probably been separated from the *Pulvinulinæ* and *Pullenia* by the dragging of the net and washing of its contents into collecting bottles.

On August 31 and September 1 the fauna was found to be similar, the ship being on these two days in the counter equatorial current, which carried her 120 miles to the east.

Station 269 (Sounding 411), Sandwich Islands to Tahiti (see Chart 38 and **STATION 269**. Diagram 19).

September 2, 1875; lat. 5° 54' N., long. 147° 2' W.

Temperature of air at noon, 81°·0; mean for the day, 79°·5.

Temperature of water:—

Surface,	81·2	180 fathoms,	49·0
10 fathoms,	80·4	190 "	48·8
20 "	78·0	200 "	48·5
30 "	77·8	300 "	46·0
40 "	77·8	400 "	43·7
50 "	77·8	500 "	41·4
60 "	77·6	600 "	39·9
70 "	77·0	700 "	38·6
80 "	73·1	800 "	37·5
90 "	66·0	900 "	36·7
100 "	59·5	1000 "	36·0
110 "	55·4	1100 "	35·5
120 "	52·5	1200 "	35·3
130 "	51·1	1300 "	35·2
140 "	50·3	1400 "	35·2
150 "	49·7	1500 "	35·2
160 "	49·4	Bottom,	35·2
170 "	49·2		