

Calanus, *Copilia*, *Saphirina*, Hyperids, *Euphausia*, *Lucifer*, Zoëæ, *Ethella* and other Gasteropods, *Atlanta*, Pteropods, *Salpa*, *Doliolum*, *Appendicularia*, small fishes and fish eggs. A tow-net sent down to 200 fathoms contained a few Challengeridæ, while one of the tow-nets at the weights brought up some deep-water Radiolarians and a red Crustacean (*Euphausia*).

September 13, 1875.

On this date the expedition had the misfortune to lose Dr. Rudolf von Willemoes-Suhm, one of the naturalists on the Civilian Scientific Staff, who died after a short illness from erysipelas. This sad circumstance cast a shade of melancholy over the ship, for Dr. von Willemoes-Suhm had won the respect of everyone on board, by his zealous attention to work, and by his readiness to put up with the many inconveniences inseparable from life on board ship, where the irksomeness of discipline can never be relaxed (for further particulars as to the career of Dr. von Willemoes-Suhm, see *Narr. Chall. Exp.*, vol. i. pp. 769-771).

Station 275 (Sounding 417), Sandwich Islands to Tahiti (see Chart 38 and **STATION 275**. Diagram 19).

September 14, 1875; lat. 11° 20' S., long. 150° 30' W.

Temperature of air at noon, 81°·0; mean for the day, 79°·2.

Temperature of water:—

Surface,	80·0	180 fathoms,	54·2
10 fathoms,	79·9	190 "	52·4
20 "	79·8	200 "	50·8
30 "	79·6	300 "	45·0
40 "	79·4	400 "	42·6
50 "	79·0	500 "	40·9
60 "	78·0	600 "	39·5
70 "	76·7	700 "	38·4
80 "	75·3	800 "	37·5
90 "	73·7	900 "	37·0
100 "	72·0	1000 "	36·7
110 "	70·1	1100 "	36·5
120 "	68·3	1200 "	36·2
130 "	66·2	1300 "	36·0
140 "	64·0	1400 "	35·8
150 "	61·4	1500 "	35·6
160 "	58·9	Bottom,	35·0
170 "	56·4		

Density at 60° F. at surface, 1·02678; 2125 fathoms, 1·02585; bottom, 1·02602.