

tube, but the tube had penetrated eighteen inches into the clay. At 12.30 P.M. obtained serial temperatures down to 1500 fathoms. At 3.40 P.M. completed temperatures and made sail. Albatrosses were still numerous about the ship. STATION 249.

Honolulu distant at noon, 1240 miles. Made good 175 miles. Amount of current 10 miles, direction S. 13° E.

**Surface Organisms.**—The following species is recorded from the surface at this Station :— ORGANISMS FROM SURFACE-NETS.

PTEROPODA (Pelseneer, Zool. pt. 65).

*Cavolinia gibbosa* (Rang).

In addition, the following are recorded in the note-books :—A few Oscillatoriaceæ, Coccospheres, Rhabdospheres, *Orbulina*, *Pulvinulina*, Radiolaria, *Sagitta*, Copepods, Cirripeds and Zoëæ, *Euphausia*, larval Gasteropods, Heteropods, and Pteropods. Many balls of Cirripeds and large *Rhizostomæ* were in the surface water. On the Cirriped balls were Nudibranchs, Aphroditaceans, *Cymothoa*, and *Halobates*. The stomachs of the Cirriped Zoëæ were filled with Coccospheres, Coccoliths, Rhabdospheres, and Rhabdoliths, and the dung of the Zoëæ was abundant in the water, about 1 mm. in length, tapering towards both ends, of a yellow colour, and composed of a mass of these small Algæ, Diatoms, &c. The stomachs of the *Euphausiæ* contained chiefly the remains of Acanthometræ and Diatoms. A whale and porpoises were seen about the ship.

**Station 250** (Sounding 392), Yokohama to Sandwich Islands (see Chart 36 and Diagram 18). STATION 250.

July 9, 1875; lat. 37° 49' N., long. 166° 47' W.

Temperature of air at noon, 64°·8; mean for the day, 63°·6.

Temperature of water :—

Surface, . . . . .	65·0	400 fathoms, . . . . .	42·6
25 fathoms, . . . . .	58·5	500 " . . . . .	40·0
50 " . . . . .	55·0	600 " . . . . .	38·5
75 " . . . . .	54·0	700 " . . . . .	37·6
100 " . . . . .	53·0	800 " . . . . .	36·9
125 " . . . . .	52·0	900 " . . . . .	36·4
150 " . . . . .	51·0	1000 " . . . . .	36·2
175 " . . . . .	50·1	1100 " . . . . .	36·0
200 " . . . . .	49·1	1200 " . . . . .	35·8
225 " . . . . .	48·1	1300 " . . . . .	35·6
250 " . . . . .	47·1	1400 " . . . . .	35·4
275 " . . . . .	46·2	1500 " . . . . .	35·2
300 " . . . . .	45·3	Bottom, . . . . .	35·0