

At 2.45 A.M. shortened and furled sails. At 4.30 A.M. put over trawl, veering 3500 fathoms. At 6 A.M. brought ship to wind and sounded in 2800 fathoms. No sample of the deposit was obtained, but on allowing the water from the water-bottle to settle slight indications of Red Clay were obtained. Took serial temperatures down to 1500 fathoms. At 11 A.M. the trawl-rope parted close to one of the blocks on the fore-castle. At 2 P.M. put over deep-sea tow-nets, one attached to the end of the line, two 250 fathoms from the end, and two 1200 fathoms from the end; about 3000 fathoms of line were veered, but the lead did not touch the bottom. All the nets, except the bottom one, came up foul of the line, but contained a number of *Phæodaria*. At 5 P.M. made sail. Albatrosses, boatswain birds, and stormy petrels were seen about the ship.

STATION 243.

Distance at noon from Honolulu, 2048 miles. Made good 100 miles. Amount of current 16 miles, direction N. 35° E.

Surface Organisms.—The following species are recorded from the surface and deep-sea tow-nets at this Station :—

ORGANISMS FROM  
SURFACE-NETS.

## RADIOLARIA (Haeckel, Zool. pt. 40).

*Siphonosphæra pipetta*, Haeckel.  
*Stylosphæra nana*, Haeckel.  
*Sethoconus trochus*, Haeckel.  
*Theocampe cryptoprora*, Haeckel.  
*Aulacantha spinosa*, Haeckel.  
*Auloceros furcosus*, Haeckel.  
*Sagoscena cruciarium*, Haeckel.  
*Sagmidium crucicorne*, Haeckel.  
*Aulastrum dendroceros*, Haeckel.

*Castanella balfouri*, Haeckel.  
*Castanidium bethelli*, Haeckel.

## AMPHIPODA (Stebbing, Zool. pt. 67).

*Paraphronima cuivis*, n.sp.  
*Platyscelus ovoides* (Risso ?).

## PTEROPODA (Pelseneer, Zool. pt. 65).

*Limacina bulimoides* (d'Orbigny).

In addition, the following are recorded in the note-books :—*Ceratium* (*Peridinium*) *tripos* (a few), *Ethmodiscus*, *Rhizosolenia*, and other Diatoms, *Globigerina*, *Orbulina*, *Pulvinulina micheliniana*, Medusæ, Siphonophoræ, *Sagitta*, *Tomopteris*, Sipunculid larvæ (?), *Cypridina*, *Setella* and other Copepods, Hyperids, Phronimids, *Euphausia*, Zoëæ, small *Ethella*-like shells, *Atlanta*, Pteropods and larvæ, *Doliolum*, *Appendicularia*. *Pyrocystis* appeared to be quite absent from the surface, as well as *Saphirina*, *Lucifer*, and *Hastigerina*.

Station 244 (Sounding 386), Yokohama to Sandwich Islands (see Chart 36 and Station 244. Diagram 17).

June 28, 1875; lat. 35° 22' N., long. 169° 53' E.

Temperature of air at noon, 71°·8; mean for the day, 71°·4.