

STATION 248.

<i>Stylosphæra nana</i> , Haeckel.	<i>Aulacantha spinosa</i> , Haeckel.
<i>Myelastrium spinale</i> , Haeckel.	<i>Auloceros furcosus</i> , Haeckel.
<i>Cenocapsa nirvana</i> , Haeckel.	<i>Challengeria bromleyi</i> , Haeckel.
<i>Hexacolpus dodecodus</i> , Haeckel.	<i>Castanissa hoylei</i> , Haeckel.
<i>Arachnocorys arachnodiscus</i> , Haeckel.	<i>Conchidium rhynchonella</i> , Haeckel.
<i>Sethoconus trochus</i> , Haeckel.	
„ <i>anthocyrtris</i> , Haeckel.	CIRRIPIEDIA (Hoek, Zool. pt. 25).
<i>Thecampe cryptoprora</i> , Haeckel.	<i>Lepas fascicularis</i> , Ellis and Solander.

On the balls of *Lepas fascicularis* were found Nudibranchs, Aphroditacean Annelids, and *Halobates*. In addition, the following are recorded from the tow-nets:—Diatoms, *Peridinium tripos*, Cocospheres, Rhabdospheres, Infusorians, Medusæ, Ctenophoræ, Cirriped larvæ, *Euphausia*, larval Gasteropods, Pteropods, *Salpa*, *Appendicularia*.

STATION 249.

**Station 249** (Sounding 391), Yokohama to Sandwich Islands (see Chart 36 and Diagram 18).

July 7, 1875; lat. 37° 59' N., long. 171° 48' W.

Temperature of air at noon, 66°·3; mean for the day, 65°·0.

Temperature of water:—

Surface, . . . . .	65·2	400 fathoms, . . . . .	40·1
25 fathoms, . . . . .	57·2	500 „ . . . . .	38·5
50 „ . . . . .	54·8	600 „ . . . . .	37·7
75 „ . . . . .	53·3	700 „ . . . . .	37·0
100 „ . . . . .	52·3	800 „ . . . . .	36·5
125 „ . . . . .	51·6	900 „ . . . . .	36·2
150 „ . . . . .	51·1	1000 „ . . . . .	35·9
175 „ . . . . .	49·8	1100 „ . . . . .	35·6
200 „ . . . . .	48·0	1200 „ . . . . .	35·3
225 „ . . . . .	46·4	1300 „ . . . . .	35·2
250 „ . . . . .	45·0	1400 „ . . . . .	35·2
275 „ . . . . .	43·7	1500 „ . . . . .	35·2
300 „ . . . . .	42·7	Bottom, . . . . .	35·2

Density at 60° F. at surface, 1·02540; bottom, 1·02542.

Depth, 3000 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

Strong westerly breeze and heavy sea. At 8 A.M. got up steam. At 9.30 A.M. shortened and furled sails and proceeded under steam to sound. At 11 A.M. sounded in 3000 fathoms. Only a small sample of deposit was obtained, adhering to the sounding-