

STATION 267.

Carpocanium irregulare, Haeckel.
Sethoconus trochus, Haeckel.
 „ *pileus*, Haeckel.
 „ *rayianus*, Haeckel.
 „ *setosus*, Haeckel.
Pterocorys campanula, Haeckel.
Theopilium tricostatum, Haeckel.

Cannobelos calymmata, Haeckel.
Sagoscena debilis, Haeckel.
Sagmidium tricornis, Haeckel.
Aulosцена gigantea, Haeckel.
Gazelletta robusta, Haeckel.
Castanidium willemoesi, Haeckel.

MACRURA (Spence Bate, Zool. pt. 52).

Gennadas parvus, n.g., n.sp.,

FISHES (Günther, Zool. pt. 78).

Echeneis remora, Linné (from shark).

Although the deep tow-nets came up foul, they had evidently worked for a short time, for they contained several specimens of *Tuscaridium* and *Challengeria*. Several sharks were seen, and two were caught, having attached *Echeneis*, *Caligus*, and *Distomum*; they were accompanied by pilot-fishes. A whale and flying-fishes were also seen.

In the afternoon Mr. Buchanan and Mr. Murray made several experiments from a boat on the transparency of sea-water; a white plate, 12 inches square, could be seen down to a depth of 25 fathoms with the aid of a water-glass.

STATION 268.

Station 268 (Sounding 410), Sandwich Islands to Tahiti (see Chart 38 and Diagram 19).

August 30, 1875, lat. 7° 35' N., long. 149° 49' W.

Temperature of air at noon, 78°·8; mean for the day, 77°·5.

Temperature of water:—

Surface,	81·0	180 fathoms,	48·6
10 fathoms,	79·3	190 „	48·4
20 „	79·3	200 „	48·2
30 „	79·3	300 „	45·8
40 „	78·2	400 „	43·2
50 „	74·0	500 „	41·1
60 „	63·4	600 „	40·0
70 „	56·2	700 „	39·2
80 „	52·6	800 „	38·7
90 „	51·0	900 „	38·2
100 „	50·3	1000 „	37·7
110 „	50·0	1100 „	37·2
120 „	49·8	1200 „	36·7
130 „	49·6	1300 „	36·3
140 „	49·4	1400 „	35·8
150 „	49·2	1500 „	35·3
160 „	49·0	Bottom,	34·8
170 „	48·8		