

*Spongotrochus multispinus*, Haeckel.  
*Laccarium chatostylum*, Haeckel.  
*Tetrapyle quadricornis*, Haeckel.  
*Pylonium quadricorne*, Haeckel.  
*Phorticium spironium*, Haeckel.  
*Actinelius primordialis*, Haeckel.  
*Acanthometron cylindricum*, Haeckel.  
     "    *bulbiferum*, Haeckel.  
*Zygacantha costata*, Haeckel.  
*Acanthonia denticulata*, Haeckel.  
     "    *diplopyramis*, Haeckel.  
*Phatnacantha icosaspis*, Haeckel.  
*Amphilonche conica*, Haeckel.  
     "    *acufera*, Haeckel.  
*Acantholonche amphipolaris*, Haeckel.  
*Dorataspis typica*, Haeckel.  
*Lychmaspis maxima*, Haeckel.  
*Irosaspis cruciata*, Haeckel.  
*Hexalaspis heliodiscus*, Haeckel.  
*Dendrocircus arborescens*, Haeckel.  
*Protympanium primordiale*, Haeckel.  
*Anthospyris aculeata*, Haeckel.  
*Arachnocalpis ellipsoides*, Haeckel.  
*Cornutella hexagona*, Haeckel.  
*Cornutanna orthoconus*, Haeckel.  
*Dictyophimus hertwigii*, Haeckel.

*Eucecryphalus halicalyptra*, Haeckel.  
*Arachnocorys araneosa*, Haeckel.  
*Carpocanium irregulare*, Haeckel.  
*Sethoconus trochus*, Haeckel.  
     "    *pileus*, Haeckel.  
     "    *facetus*, Haeckel.  
*Pterocorys campanula*, Haeckel.  
     "    *rhinoceros*, Haeckel.  
*Theopitium tricostatum*, Haeckel.  
*Phæocolla primordialis*, Haeckel.  
*Cannobelos calymmata*, Haeckel.  
*Mesocena octogona*, Ehrenberg.  
*Aulacantha tubulosa*, Haeckel.  
*Aulographis triglochis*, Haeckel.  
*Sajena pertusa*, Haeckel.  
*Sagoscena prætorium*, Haeckel.  
     "    *debilis*, Haeckel.  
*Aularia ternaria*, Haeckel.  
*Gazelletta macronema*, Haeckel.  
     "    *orthonema*, Haeckel.  
     "    *robusta*, Haeckel.  
*Castanella campbelli*, Haeckel.  
*Castanidium willemoesi*, Haeckel.  
     "    *aldrichi*, Haeckel.  
*Conchidium terebratula*, Haeckel.

STATION 273.

The tow-nets at the surface brought in the usual organisms, and a haul from 200 fathoms gave some of the deep-water Radiolaria. Several flying fishes were observed from the ship.

Station 274 (Sounding 416), Sandwich Islands to Tahiti (see Chart 38 and STATION 274. Diagram 19).

September 11, 1875; lat.  $7^{\circ} 25' S.$ , long.  $152^{\circ} 15' W.$

Temperature of air at noon,  $81^{\circ} \cdot 5$ ; mean for the day,  $79^{\circ} \cdot 4$ .

Temperature of water:—

|                       |      |     |             |      |
|-----------------------|------|-----|-------------|------|
| Surface, . . . . .    | 80·2 | 90  | " . . . . . | 73·7 |
| 10 fathoms, . . . . . | 80·0 | 100 | " . . . . . | 69·3 |
| 20 " . . . . .        | 80·0 | 110 | " . . . . . | 64·7 |
| 30 " . . . . .        | 80·0 | 120 | " . . . . . | 60·9 |
| 40 " . . . . .        | 80·0 | 130 | " . . . . . | 57·8 |
| 50 " . . . . .        | 79·8 | 140 | " . . . . . | 55·1 |
| 60 " . . . . .        | 79·5 | 150 | " . . . . . | 52·9 |
| 70 " . . . . .        | 78·6 | 160 | " . . . . . | 51·3 |
| 80 " . . . . .        | 77·0 | 170 | " . . . . . | 49·9 |