

STATION 275.

Depth, 2610 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 1.15 P.M. shortened and furled sails, and got up steam to sound. At 2 P.M. sounded in 2610 fathoms. The deposit was of a darker chocolate colour than any hitherto obtained, and contained a very large number of crystals of phillipsite formed *in situ* at the bottom. Obtained serial temperatures down to 1500 fathoms. At 5 P.M. completed observations and made all plain sail. Flocks of terns, man-of-war birds, and gannets were seen.

Distance at noon from Point Venus, Tahiti, 378 miles. Made good 70 miles. Amount of current 9 miles, direction S. 63° W.

Solenosphæra megalactis and *Challengeron willemoesii* were observed among the Radiolaria in the deposit from this Station.

ORGANISMS FROM
SURFACE NETS.

Surface Organisms.—The following species of Radiolaria are recorded from the surface at this Station:—

RADIOLARIA (Haeckel, Zool. pt. 40).

Hystrihaspis fruticata, Haeckel.

Zonaspis cingulata, Haeckel.

Sethoconus trochus, Haeckel.

In addition, the following are recorded in the note-books:—*Peridinium*, *Pyrocystis*, Diatoms, Coccospheres, Cocoliths, Amœba and small ciliated organisms, *Veleva*, *Porpita*, *Physalia*, *Diphyes*, *Sagitta*, *Lepas* attached to a piece of wood, on which was also a small crab (*Nautilograpsus*), Phronimids, *Halobates*, large *Carinaria* without the head (several others were seen from the ship), cuttle-fish, *Appendicularia*, small Scopelids and other fishes. *Coryphæna* and flying fishes were observed.

STATION 276.

Station 276 (Sounding 418), Sandwich Islands to Tahiti (see Chart 38 and Diagram 19).

September 16, 1875; lat. 13° 28' S., long. 149° 30' W.

Temperature of air at noon, 73°·8; mean for the day, 76°·4.

Temperature of water:—

Surface,	80·0	50 fathoms,	78·4
10 fathoms,	78·9	60 "	78·2
20 "	78·8	70 "	77·7
30 "	78·7	80 "	76·4
40 "	78·6	90 "	75·1