

Surface Organisms.—The following species are recorded from the surface in the neighbourhood of Tahiti :—

TAHITI.
ORGANISMS FROM
SURFACE-NETS.

SIPHONOPHORÆ (Haeckel, Zool. pt. 77).

Diphyopsis angustata (Eschscholtz).

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

Lucifer reynaudii, M.-Edwards.

AMPHIPODA (Stebbing, Zool. pt. 67).

Cyclocaris tahitensis, n.g., n.sp.

TUNICATA (Herdman, Zool. pt. 76).

Appendicularia sp. (?)

The tow-nets inside the reefs at Tahiti generally gave a few ordinary oceanic forms, along with many larval Ascidians, Zoëæ, &c., and life generally was much less abundant than in the tow-nettings on the outside of the reefs.

Station 280 (Sounding 425), Tahiti to Valparaiso (see Chart 38 and Diagram 19). STATION 280.

October 4, 1875; lat. 18° 40' S., long. 149° 52' W.

Temperature of air at noon, 76°·8; mean for the day, 75°·5.

Temperature of water :—

Surface,	77·2	400 fathoms,	41·7
25 fathoms,	76·9	500 "	40·2
50 "	76·2	600 "	38·8
75 "	75·0	700 "	37·9
100 "	73·0	800 "	37·2
125 "	70·0	900 "	36·8
150 "	66·4	1000 "	36·4
175 "	62·5	1100 "	36·2
200 "	58·0	1200 "	36·1
225 "	52·8	1300 "	36·0
250 "	48·1	1400 "	35·9
275 "	46·1	1500 "	35·8
300 "	44·9	Bottom,	35·3

Density at 60° F. :—

Surface,	1·02707	300 fathoms,	1·02554
25 fathoms,	1·02701	400 "	1·02548
50 "	1·02674	1550 "	1·02567
100 "	1·02686	Bottom,	1·02630
200 "	1·02612		

Depth, 1940 fathoms; deposit, Globigerina Ooze, containing 53·36 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).