

STATION 289. FISHES (Günther, Zool. pt. 57).

Bathypterois longicauda, n.g., n.sp. One specimen; obtained at no other locality.

In addition to the foregoing, the following are recorded in the Station-book:—
Esperid Sponge (osculum only), two *Serpula* tubes attached to manganese nodules.

Excluding Protozoa, over a dozen specimens of invertebrates and fishes were obtained at this Station, belonging to about 10 species, of which 8 (all those reported) are new to science, including representatives of 6 new genera; 6 of the new species and 2 new genera were not obtained elsewhere.

ORGANISMS FROM
SURFACE-NETS.

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

RADIOLARIA (Haeckel, Zool. pt. 40).

Siphonosphæra chonophora, Haeckel.

Sphærostylus diadema, Haeckel.

Cenellipsis micropora, Haeckel.

Druppocarpus ananassa, Haeckel.

Ceriaspis inermis, Haeckel.

Sethocephalus platycryphalus, Haeckel.

Cannorrhaphis lamproxanthium, Haeckel.

In the tow-nets attached to the trawl were several forms of Phæodaria (*Challengeria* and *Tuscarora*) and other Radiolaria, *Cypridinæ*, shrimps and smaller Crustacea, and two small Sternoptychids, while from the surface the usual surface things, as noted at the last Station, were obtained, including some broken portions of *Ethmodiscus*, and small Foraminifera (principally *Pulvinulina*).

STATION 290.

Station 290 (Sounding 435), Tahiti to Valparaiso (see Chart 38 and Diagram 20).

October 25, 1875; lat. 39° 16' S., long. 124° 7' W.

Temperature of air at noon, 52°·8; mean for the day, 50°·1.

Temperature of water:—

Surface,	52·5	400 fathoms,	42·0
25 fathoms,	52·0	500 "	40·7
50 "	49·6	600 "	39·4
75 "	48·6	700 "	37·8
100 "	47·6	800 "	36·9
125 "	46·7	900 "	36·4
150 "	46·0	1000 "	36·2
175 "	45·3	1100 "	36·0
200 "	44·9	1200 "	35·8
225 "	44·5	1300 "	35·6
250 "	44·1	1400 "	35·3
275 "	43·7	1500 "	35·1
300 "	43·4	Bottom,	34·9