

STATION 306A. FISHES (Günther, Zool. pts. 6 and 57).

Sebastes oculatus, C.V. Several specimens; obtained also at Station 307, 147 fathoms.

Notothenia longipes, Steindachner. Obtained also at Stations 312 and 313, 10 to 55 fathoms.

Lotella marginata, n.sp. One specimen; obtained also at Stations 305, 307, and 308.

Catatyx messieri, n.g., n.sp. One specimen; obtained at no other locality. Only species of the genus.

In addition to the foregoing, the following are recorded in the Station-book:—Small Actinian attached to Corals, two small Urchins, Sipunculid, and a Lamellibranch.

Excluding Protozoa, nearly 100 specimens of invertebrates and fishes were obtained at this Station, belonging to about 19 species, of which 11 are new to science, including representatives of 2 new genera; 4 of the new species and 1 new genus were not obtained elsewhere.

ORGANISMS FROM SURFACE-NETS.

Surface Organisms.—The tow-nets procured many Diatoms, *Peridinium tripos*, Annelid larvæ, Copepods, Cirriped larvæ, Amphipods, larval Lamellibranchs (young mussels), and *Appendicularia*, but on the whole the tow-nets yielded very few organisms.

STATION 307.

Station 307 (Sounding 455), Gulf of Peñas to Sandy Point through Magellan Strait (see Chart 41).

January 4, 1876; lat. 49° 24' 30" S., long. 74° 23' 30" W.

Temperature of air at noon, 61°·8; mean for the day, 56°·2.

Temperature of water at surface, 53°·0.

Density at 60° F. :—

Surface,	1·01508	16 fathoms,	1·02385
2½ fathoms,	1·00926	25 "	1·02405
5 "	1·01870	50 "	1·02450
7 "	1·01928	100 "	1·02469
10 "	1·02266	Bottom,	1·02465

Depth, 140 fathoms; deposit, Blue Mud, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.20 A.M. the steam pinnace left the ship with exploring party. At 10.30 A.M. weighed anchor and proceeded out of Gray's Harbour for the English Narrows. At