

STATIONS 309  
AND 309A.  
ORGANISMS FROM  
SURFACE-NETS.

**Surface Organisms.**—The tow-nets on this date procured more pelagic forms than in Messier Channel, and in Puerto Bueno on January 9 there were many specimens of *Peridinium*, Infusoria, Medusæ, Copepods, many young mussels (?), *Membranipora* larvæ, *Appendicularia*.

STATION 310.

**Station 310** (Sounding 459), Gulf of Peñas to Sandy Point through Magellan Strait (see Chart 41).

January 10, 1876 ; lat.  $51^{\circ} 27' 30''$  S., long.  $74^{\circ} 3'$  W.

Temperature of air at noon,  $48^{\circ} \cdot 8$  ; mean for the day,  $48^{\circ} \cdot 5$ .

Temperature of water at surface,  $50^{\circ} \cdot 5$  ; bottom,  $46^{\circ} \cdot 5$ .

Density at  $60^{\circ}$  F. :—

Surface, . . . . .	1·01910		200 fathoms, . . . . .	1·02458
25 fathoms, . . . . .	1·02315		Bottom, . . . . .	1·02451

Depth, 400 fathoms ; deposit, Blue Mud, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 3.30 A.M. got up steam. At 4.50 A.M. weighed anchor and proceeded out of Puerto Bueno, steaming through the Sarmiento Channel. At 8.30 A.M. stopped and sounded in 400 fathoms. Put over trawl, which came up at 10.45 A.M. containing many specimens. The carbonic acid was determined in water from 200 fathoms, and amounted to  $70 \cdot 8$  milligrammes per litre. At 4.40 P.M. anchored in Innocentes Bay in 25 fathoms. Exploring parties went on shore.

ANIMALS FROM  
TRAWL.

The following species are recorded in the Zoological Reports from the trawl at this Station :—

HEXACTINELLIDA (Schulze, Zool. pt. 53).

*Acanthascus dubius*, n.g., n.sp. One specimen ; obtained at no other locality.

*Rhabdocalyptus ræperi*, n.g., n.sp. Two specimens ; obtained at no other locality.

ALCYONARIA (Wright and Studer, Zool. pt. 64).

*Thouarella köllikeri*, n.sp. One specimen ; obtained also at Station 308.

*Paramuricea laxa*, n.sp. Many specimens ; obtained at no other locality.

*Clematissa robusta*, n.g., n.sp. Many specimens ; obtained at no other locality.

*Leptogorgia purpurea* (Pallas). One specimen ; obtained also at Bahia.