

STATION 166.

- Macrurus australis* (Richards). Several specimens ; obtained at no other locality by the Challenger. Recorded from Port Arthur and New Zealand.
 „ *denticulatus*, Richards. One specimen ; obtained also at Station 170, 520 fathoms. Recorded from New Zealand.

Excluding Protozoa, over 100 specimens of invertebrates and fishes were obtained at this Station, belonging to 19 species, of which 10 are new to science, including representatives of 2 new genera ; 6 of the new species were not obtained elsewhere.

Willemoes-Suhm writes : “ Two specimens, 140 and 110 mm. in length, of an Astacid were brought up. They evidently belonged to the genus *Nephrops*, having all the characters of the Astacids, especially the scale on the outer antennæ and the ridge across the pereion, but in addition a long rostrum and very much prolonged anterior chelæ. In this species, which was of a pure milk-white colour, the joints of the large chelæ had a reddish-brown colour, like the borders of the abdominal rings ; in spirit the white colour gradually changed into a dirty reddish colour. The two hauls of the trawl brought up the same things : lobsters, shrimps, shells, and fishes.

Cælothamnus sedecimalis was observed among the Radiolaria in the deposit from this Station.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface in this locality :—

RADIOLARIA (Haeckel, Zool. pt. 40).

- Staurotholus tetrastylus*, Haeckel.
Lonchostaurus bifidus, Haeckel.
Castanidium bromleyi, Haeckel.

AMPHIPODA (Stebbing, Zool. pt. 67).

- Parapronoë clausoides*, n.sp.

SCHIZOPODA (Sars, Zool. pt. 37).

- Euphausia pellucida*, Dana.

TUNICATA (Herdman, Zool. pt. 76).

- Salpa costata - tilesii*, Quoy and Gaimard—Cuvier.
 „ *cordiformis - zonaria*, Quoy and Gaimard—Pallas.

In addition the following species are recorded from the surface between Sydney and Wellington, the exact locality not noted :—

AMPHIPODA (Stebbing, Zool. pt. 67).

- Anchylomera* sp.(?)

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

- Sergestes parvidens*, n.sp.

FISHES (Günther, Zool. pt. 78)

- Platystethus huttonii*, Günther.
Hemerocaetes acanthorhynchus (Forst).
Centriscus scolopax, Linné.
Halaphya elongata, n.g., n.sp.