

STATION 163A.

COPEPODA (Brady, Zool. pt. 23).

Candace pectinata, Brady.*Oncæa obtusa* (Dana).

SCHIZOPODA (Sars, Zool. pt. 37).

Euphausia latifrons, n.sp.

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

Icotopus arcurostris, n.g., n.sp.*Diaphoropus versipellis*, n.g., n.sp.*Zoontocaris galathææ*, n.g., n.sp.*Oodeopus serratus*, n.g., n.sp.

On the night of April 3, off Cape Howe, the sea was luminous, and two hauls of the tow-net procured :—Brown Medusæ, *Diphyes*, *Beroë*, Ostracodes, *Saphirina* and other Copepods in quantities, *Hyperia*, *Phronima*, *Squillerichthus*, *Euphausia*, *Lucifer*, *Sergestes*, *Zoëæ*, *Styliola*, *Cleodora* [= *Clio*], *Appendicularia*, and fish eggs in large numbers.

AT PORT JACKSON.

The Challenger remained at Port Jackson, Sydney, from 3 P.M. on April 6 till 7.30 A.M. on June 12, 1874 (for description of Sydney see *Narr. Chall. Exp.*, vol. i. pp. 454-463). While at Sydney the specimens collected during the southern cruise were catalogued and carefully packed by Mr. Murray, and despatched to England in 65 boxes and 10 casks.

On the morning of June 3 the ship proceeded out of the harbour with a party of visitors on board, including the principal scientific and naval men of Sydney, and when 6 or 7 miles from the entrance to Port Jackson a sounding was taken in 35 fathoms (Station 163B), and the dredge and trawl were lowered several times in from 30 to 40 fathoms, most of the specimens brought up belonging to the Port Jackson fauna. In the afternoon the ship returned and anchored at the entrance of Sydney Cove.

At 3.30 P.M. on June 8, the ship left Port Jackson, but the same night and following day such bad weather was experienced that it was found impossible to sound as proposed for the telegraph cable, and in consequence the ship returned and anchored in Watson's Bay on the evening of June 9. The weather continued unfavourable during June 10 and 11, the expedition finally leaving Port Jackson on the morning of June 12.

During the stay Mr. Murray conducted many dredgings from the steam pinnace within the Heads of Port Jackson. The following species are recorded in the Zoological Reports from the shore and from shallow water in the neighbourhood of Port Jackson, the depth given in the Reports being indicated :—

ANIMALS FROM
PORT JACKSON.

KERATOSA (Poléjacff, Zool. pt. 31).

Spongelia spinifera, Schulze. Two specimens (7 fathoms); obtained at no other locality by the Challenger. Recorded from Adriatic.

Psammopemma densum, Marshall. One specimen (7 fathoms); obtained also at Station 49.