

STATION 191A.
ORGANISMS FROM
THE DEPOSIT.

OSTRACODA (Brady, Zool. pt. 3).—The following species were observed in the deposit from this Station (see also Murray and Renard, Deep-Sea Deposits Chall. Exp.) :—

Macrocypriis sp. (?).

Bairdia formosa, Brady (?). Obtained also at Stations 76, 120, and 122.

Cythere adunca, Brady. Obtained also at Station 189.

„ *dictyon*, n.sp. Widely distributed (see Station 24).

„ *radula*, n.sp. Single valve ; obtained at no other locality.

„ *acanthoderma*, n.sp. Widely distributed (see Station 64).

„ *dasyderma*, n.sp. Widely distributed (see Station 5).

Krithe bartonensis (Jones). Obtained also at Station 149.

Cytherideis sp. (?).

Cytherella lata, n.sp. Obtained also at Stations 24, 75, 120, and 185.

„ *punctata*, Brady. Obtained also at Stations 135, 167, 305, and Port Jackson.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following are recorded in the note-books :—*Peridinium*, *Pyrocystis*, *Globigerina*, *Pulvinulina menardii* (observed for the first time since leaving Raine Island), *Acanthometra* and other Radiolaria, *Saphirina* and other Copepods, *Hyperia*, *Lucifer*, and other Crustaceans, *Atlanta*, *Hyalæa* [= *Cavolinia*], *Styliola*, and other small shells, *Salpa*, and *Appendicularia*. Altogether the organisms from the tow-net were more oceanic in character than observed since leaving the outside edge of the Great Barrier Reef of Australia.

STATION 192.

Station 192 (Sounding 325), Arrou Islands to Banda (see Chart 32).

September 26, 1874 ; lat. 5° 49' 15" S., long. 132° 14' 15" E.

Temperature of air at noon, 83°·3 ; mean for the day, 80°·3.

Temperature of water at surface, 82°·0.

Density at 60° F. at surface, 1·02585.

Depth, 140 and 129 fathoms ; deposit, Blue Mud, containing 8·30 per cent. of carbonate of lime, with large pieces of honeycombed *Globigerina* rock, containing 79·56 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. got up steam. At 6.30 A.M. weighed anchor and proceeded out of Ki Doulan Harbour. Observed several islands to the west not marked in the chart. At noon sounded in 90, 17, and 170 fathoms. Proceeded S.W. by W., and at 2 P.M. stopped and sounded in 134 fathoms. At 3.30 P.M. stopped and sounded in 129 fathoms, and obtained two hauls with the trawl in 129 to 140 fathoms with the most satisfactory