

STATION 161. Off the entrance to Port Philip. April 1, 1874. Lat.  $38^{\circ} 22' 30''$  S., long.  $144^{\circ} 36' 30''$  E. Depth 33 fathoms. Sand. Surface temperature  $63^{\circ} \cdot 5$  Fahr.

*Astropecten pectinatus*. Also at Station 162; and off Port Jackson, Australia.

STATION 162. Off East Moncoeur Island, Bass Strait. April 2, 1874. Lat.  $39^{\circ} 10' 30''$  S., long.  $146^{\circ} 37' 0''$  E. Depth 38 to 40 fathoms. Sand and shells. Surface temperature  $63^{\circ} \cdot 2$  Fahr.

*Astropecten pectinatus*. Also at Station 161; and off Port Jackson, Australia.

*Nectria ocellifera*.

*Stichaster polyplax*.

*Asterias (Stolasterias) calamaria*. Also off Port Jackson, Australia.

STATION 164. Off the coast of Australia, east of Sydney. June 12, 1874. Lat.  $34^{\circ} 8' 0''$  S., long.  $152^{\circ} 0' 0''$  E. Depth 950 fathoms. Green mud. Bottom temperature  $36^{\circ} \cdot 5$  Fahr.; surface temperature  $69^{\circ} \cdot 5$  Fahr.

*Pontaster subtuberculatus*.

*Plutonaster ambiguus*.

*Psilaster acuminatus*. Also at Station 167; and Simon's Bay, Cape of Good Hope.

Off Port Jackson, Australia. Depth 2 to 15 fathoms.

*Astropecten polyacanthus*. Depth 4 to 15 fathoms. Also off Admiralty Islands; Hong Kong; Yokohama, Japan; and at Station 233.

*Astropecten pectinatus*. Depth 6 to 15 fathoms. Also at Stations 161 and 162.

*Anthenea acuta*. Depth 6 to 15 fathoms.

*Asterina exigua*. Depth 6 fathoms. Also at Simon's Bay, Cape of Good Hope; Sea Point, near Cape Town; and off Samboangan, Philippine Islands.

*Asterina gunnii*. Depth 7 fathoms.

*Asterias (Stolasterias) calamaria*. Also at Station 162.

Sydney Harbour.

*Pentagonaster astrologorum*.