

PORT JACKSON.

- Acanthopleura* (?) *incana* (Gould). One specimen (6 fathoms); obtained also at Japan. Recorded from Australia and New Zealand.
- Lorica volvox* (Reeve). (6 to 15 fathoms); obtained at no other locality by the Challenger. Recorded from Australia and Tasmania.
- Cryptoplax striatus* (Lamarck). Eight specimens (6 to 15 fathoms); obtained at no other locality by the Challenger. Recorded from Australia and Tasmania.

NUDIBRANCHIATA (Bergh, Zool. pt. 26).

- Rizzolia australis*, n.sp. One specimen (2 to 20 fathoms); obtained at no other locality.
- Chromodoris runcinata*, Bergh. One specimen (2 to 10 fathoms); obtained at no other locality by the Challenger. Recorded from Philippine Sea.

CEPHALOPODA (Hoyle, Zool. pt. 44).

- Octopus australis*, n.sp. Two specimens (6 to 15 fathoms); obtained at no other locality.
- „ *pictus*, Brock, var. *fasciata*, nov. One specimen (6 to 15 fathoms); obtained at no other locality. The species recorded from Australia.

POLYZOA (Busk, Zool. pts. 30 and 50; Waters, pt. 79).

- Catenicella plagiostoma*, Busk. (35 fathoms); obtained also at Station 163A.
- „ *umbonata*, Busk, var. (?). (35 fathoms); obtained at no other locality by the Challenger. Recorded from Australia and Tasmania.
- „ *pulchella*, Maplestone. (35 fathoms); obtained at no other locality by the Challenger. Recorded from Australia.
- Flustra membraniporides*, n.sp. (35 fathoms); obtained also at Station 162.
- Diachoris magellanica*, Busk. (2 to 10 fathoms); obtained also at Station 315, 5 to 12 fathoms. Recorded from Australia, New Zealand, Kerguelen, Magellan Strait, and Adriatic.
- Salicornaria clavata*, n.sp. (35 fathoms); obtained also at Stations 145, 149, 151, 162, and 304. [Waters calls it *Cellaria australis*, MacGillivray].
- Retepora jacksoniensis*, n.sp. (2 to 10 fathoms); obtained at no other locality. [Waters calls it *Retepora avicularis*, MacGillivray].
- Cribrilina monoceros* (Busk). (35 fathoms); for distribution see Station 145.
- Lepralia tuberosa*, n.sp. (35 fathoms); obtained at no other locality.