

PORT JACKSON.

- Polycarpa longisiphonica*, n.sp. Three specimens (6 to 15 fathoms); obtained at no other locality.
- „ *radicata*, n.sp. One specimen (6 fathoms); obtained also at Station 163A.
- Ascidia pyriformis*, n.sp. Two specimens (6 fathoms); obtained at no other locality.
- Colella elongata*, n.g., n.sp. One specimen (30 fathoms); obtained at no other locality.
- Polyclinum fungosum*, n.sp. One specimen (6 to 15 fathoms); obtained at no other locality.
- Psammaplidium spongiforme*, n.g., n.sp. One specimen and fragments (7 fathoms); obtained at no other locality.
- Leptoclinum* (?) *jacksoni*, n.sp. One specimen (6 to 15 fathoms); obtained at no other locality.

FISHES (Günther, Zool. pts. 6 and 57).

- Sebastes percoides*, Rich. (30 fathoms); obtained also at Station 163A.
- Centropogon australis*, White. (Depth not stated); obtained at no other locality by the Challenger.
- Gobius brevifilis*, Day. (Depth not stated); obtained at no other locality by the Challenger.
- „ *albopunctatus*, C.V. (Depth not stated); obtained also at Cape York.
- Callionymus lunatus*, Schleg. (6 to 8 fathoms); obtained also at Japan.
- Blennius tasmanianus*, Rich. (Depth not stated); obtained at no other locality by the Challenger.
- Tripterygium* sp. (?). (Depth not stated).
- Lophonectes gallus*, n.g., n.sp. (30 fathoms); obtained also at Station 162.
- Cnidoglanis megastoma*, Rich. (Depth not stated); obtained at no other locality by the Challenger.
- Murænichthys gymnotus*, Bleeker (?). (Depth not stated); obtained at no other locality by the Challenger.
- Syngnathus superciliaris*, n.sp. (4 to 6 fathoms); obtained at no other locality.
- Urocampus cælorhynchus*, Günther. (Depth not stated); obtained at no other locality by the Challenger.
- Gonostoma microdon*, n.sp. One specimen (depth not stated); for distribution see Station 23.

In the foregoing list 399 species are enumerated, of which 123 are new to science, including representatives of 10 new genera; 97 of the new species and 3 new genera were not obtained elsewhere.