

ARAFURA SEA.

- Sepia smithi*, n.sp. Four specimens (Station 188); obtained at no other locality.
 „ *papuensis*, n.sp. Two specimens (Station 188); obtained at no other locality.
 „ *elliptica*, n.sp. Eight specimens (Stations 188 and 190); obtained at no other locality.
 „ (*Metasepia*) *pfefferi*, n.sp. One specimen (Station 188); obtained at no other locality.
Loligo indica, Pfeffer. Thirteen specimens (Stations 188 and 190); obtained at no other locality by the Challenger. Recorded from Java.

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

- Catenicella elegans*, Busk. (Station 188); obtained also at Stations 122, 135, and 163A.
Scrupocellaria ciliata (Audouin). (Station 188); obtained at no other locality by the Challenger. Recorded from Mediterranean (?), Cape Verdes, and Australia.
Nellia oculata, Busk. (Stations 188 and 190); obtained also at Stations 148, 151, 208, and Bahia.
Caberea lata, Busk. (Station 190); obtained also at Station 186.
Carbasea cribriformis, Busk. (Stations 188 and 190); obtained also at Station 186.
Amathia semispiralis (Kirchenpauer). (Station 188); obtained at no other locality by the Challenger. Recorded from Samoa.
Vesicularia papuensis, n.sp. (Station 188); obtained at no other locality.
Cylindraceium papuense, n.sp. (Station 188, parasitic on *Amathia semispiralis*); obtained at no other locality.
Retepora columnifera, n.sp. (Station 190); obtained at no other locality.
 „ *delicatula*, n.sp. (Station 190); obtained at no other locality.
Eschara gracilis, Lamarck. (Station 190); obtained also at Station 162.
Mucronella bisinuata (Smitt). (Station 190); obtained at no other locality by the Challenger. Recorded from Gulf of Florida.
Haswellia australiensis (Haswell). (Station 190); obtained also at Station 186. [Waters calls it *Porina coronata*, var. *labrosa*, Reuss].
Adeonella intricaria, n.g., n.sp. (Station 190); obtained at no other locality.

BRACHIOPODA (Davidson, Zool. pt. 1).

- Discina stella*, Gould. Five valves (Station 190); obtained at no other locality by the Challenger. Recorded from Singapore, Philippines, and China seas.

TUNICATA (Herdman, Zool. pt. 17).

- Microcosmus helleri*, n.sp. One specimen (Station 188); obtained at no other locality.