

- Cacospongia murrayi*, n.sp. One specimen (35 fathoms); obtained at no other locality. PORT JACKSON.
 „ *vesiculifera*, n.sp. One specimen (7 fathoms); obtained at no other locality.

MONAXONIDA (Ridley and Dendy, Zool. pt. 59).

- Pachychalina lobata*, Ridley. One specimen (30 to 35 fathoms); obtained at no other locality by the Challenger. Recorded from Australia.
- Siphonochalina intermedia*, n.sp. One specimen (7 to 8 fathoms); obtained at no other locality.
- Rhizochalina putridosa* (Lamarck ?). One specimen (30 to 35 fathoms); obtained also at Station 162 and Bahia.
- Gelliodes poculum*, n.sp. One specimen overgrowing *Stryphnus niger* (30 to 35 fathoms); obtained at no other locality.
- Tedania digitata* (Schmidt). Several specimens (6 to 35 fathoms); obtained at no other locality by the Challenger. A widely-distributed species.
- „ „ var. *fibrosa*, nov. One specimen (7 fathoms); obtained at no other locality.
- Esperella murrayi*, n.sp. One specimen (30 to 35 fathoms); obtained at no other locality.
- „ *porosa*, n.sp. Two specimens (30 to 35 fathoms); obtained at no other locality.
- Esperiopsis cylindrica*, n.sp. One specimen (30 to 35 fathoms); obtained at no other locality.
- Amphilectus ceratosus*, n.sp. Three specimens (7 fathoms); obtained at no other locality.
- Clathria lendenfeldi*, n.sp. One specimen (depth not given); obtained at no other locality.
- Echinoclathria carteri*, n.sp. One specimen (30 to 35 fathoms); obtained also at Stations 162 and 163A.
- Phakellia flabellata*, n.sp. Eleven specimens (30 to 35 fathoms); obtained at no other locality.
- Axinella arborescens*, n.sp. One specimen (30 to 35 fathoms); obtained at no other other locality.
- Suberites carnosus* (Johnston). One specimen (6 to 15 fathoms); obtained also at Station 75 and Fernando Noronha.
- „ *perfectus*, n.sp. One specimen (30 to 35 fathoms); obtained at no other locality.