Schizoporella tenuis, n.sp. (Simon's Bay); obtained also at Sandwich Islands, 20 to 40 fathoms.

Gemellipora cribritheca, n.sp. (Simon's Bay); obtained at no other locality.

Cellepora simonensis, n.sp. (?). (Simon's Bay); obtained at no other locality.

„   *conica,* n.sp. (?). (Simon's Bay); obtained at no other locality.

Idmonea atlantica, Forbes. (Simon's Bay, 18 fathoms); obtained also at Stations 135 and 149.

TUNICATA (Herdman, Zool. pts. 17 and 38).

Cynthia pallida, Heller. One specimen (Simon's Bay, 10 to 20 fathoms); obtained also at Fiji. Recorded from Tahiti.

Pachychlæna gigantea, n.g., n.sp. Two specimens (Simon's Bay, 10 to 20 fathoms); obtained at no other locality.

Clavelina enormis, n.sp. Colony of four adults and several buds (Simon's Bay, 10 to 20 fathoms); obtained at no other locality.

Atopogaster elongata, n.g., n.sp., var. *pallida,* nov. One specimen (Simon's Bay, 10 to 20 fathoms); the species obtained also at Station 313, 55 fathoms.

Leptoclinum albidum, Verrill (?). Several colonies (Simon's Bay, 10 to 20 fathoms); obtained also at Cape Verdes.

Goodsiria placenta, n.sp. Two specimens (Simon's Bay, 10 to 20 fathoms); obtained at no other locality.

„   „   var. *fusca,* nov. Two specimens (Simon's Bay, 10 to 20 fathoms); obtained at no other locality.

FISHES (Günther, Zool. pt. 6).

Chorisochismus dentex, Pall. (Simon's Bay); obtained at no other locality by the Challenger.

Tetrodon honckeni, Bl. [Poison-fish of Simon's Bay]. (Cape); obtained at no other locality by the Challenger.

Bdellostoma cirrhatum, Forst. (Simon's Bay); obtained also at New Zealand.

Spirobranchus capensis, C.V. (Cape Town and Wellington, from rivers); obtained at no other locality by the Challenger.

Barbus afer, Peters. (Cape Town and Wellington, from rivers); obtained at no other locality by the Challenger.

„   sp. (?). (Cape Town, from river).

CETACEA (Turner, Zool. pt. 4).

Mesoplodon layardi, Gray. (Cape); obtained also at Falkland Islands. Recorded from Chatham Islands, New Zealand, and Australia.