

be very far from the Antarctic continent; at Station 70 to the westward of the Azores; at Stations 296 and 302 to the westward of the southern coast of Chili; and at Station 106 to the east of the Island of St Paul. In no case is the distance greater than six hundred miles, but it is difficult with this range from shores to draw the outline of any land in such a way that the great continental masses will not be connected in several places, or at any rate will only leave comparatively restricted oceanic areas which would not fall within the lines. Such an area would be found in the North Atlantic in the rectangle formed by the Bermudas, Sombbrero, Cape Verde Islands, and the Azores. A smaller area in the South Atlantic, limited by the eastern coast of South America, Ascension, St Helena, Tristan da Cunha, and the Falkland Islands; another in the central part of the Indian Ocean; a smaller area to the south-west of Australia towards the Antarctic circle; and two areas in the Pacific, one extending from north-west to south-east from the 20° of northern latitude, and about the same latitude south, and one extending from east to west, south of latitude 30° S. towards the Antarctic circle—and an elongated area in the northern part of the Pacific which may perhaps be considered only as an area of the first-mentioned district.

In the accompanying geographical lists the species collected by the Challenger and already known from the same districts are marked ×; those previously known but found in the district for the first time by the Challenger are marked ⊕, and the species discovered by the Challenger are marked \*.

## NORTHERN CHILI—RIO LA PLATA.

	Range in Depth and Principal Localities.
DESMOSTICHA, Hæckel. CIDADARIDÆ, Müll. GONIOCIDARIDÆ, Hæckel. <i>Goniocidaris</i> , Des. × <i>G. canaliculata</i> , A. Ag., . . .	{ Falkland Islands, 5-10 fathoms; Straits of Magellan; ×Station 313, 55 fathoms; ×Station 315, 6-12 fathoms (Southern Ocean).
ARBACIADÆ, Gray. <i>Arbacia</i> , Gray. × <i>A. dufrenoyi</i> , Gray, . . . × <i>A. nigra</i> , A. Ag., . . . × <i>A. spatuligera</i> , A. Ag., . . .	{ East Patagonia, 44 fathoms B.; Chili; ×Station 304, 45 fathoms; ×Station 308, 175 fathoms (Southern Ocean). Cape Horn; Chili (Philippines). Chili.
DIADEMATIDÆ, Peters. <i>Aspidodiadema</i> , A. Ag. * <i>A. microtuberculatum</i> , A. Ag., .	{ ×Station 298, 2225 fathoms; ×Station 299, 2160 fathoms (Atlantic; Southern Ocean).