

Hong Kong the vessel returned by almost the same route to the northern shores of Papua, stopping for a time at the Admiralty Islands, and thence sailed direct for Japan.

From Japan a long series of soundings were taken, on a line directly east, stretching more than half across the Pacific, and then almost due south to the Sandwich Islands. Subsequently the same southerly direction was followed in mid-Pacific, crossing the Equator in about long. 150° E., and through the Low Archipelago to lat. 40° S. From this point the bearing was again eastward to the Island of Juan Fernandez and Valparaiso. Leaving Valparaiso the Islands on the west coast of Patagonia were visited, and the South Atlantic entered by Magellans Strait.

Some time was occupied at the Falkland Islands, and then steering northwards the vessel put into Buenos Ayres. Leaving Buenos Ayres an eastward course was taken to near mid-ocean, afterwards northwards by Ascension to the Cape de Verde Islands and the Azores; from which point the homeward journey was only interrupted by a call in Vigo Bay.

The subjoined list embraces only those Stations from which soundings or dredgings were obtained in sufficient quantity to furnish good representative series of Rhizopoda, and the numbers appended are those used in the official record. From time to time, during the voyage, other material, such as harbour-muds and shallow-water sands, were collected, at localities not included in the published list; and, as some of these have proved very rich in Foraminifera, they are inserted in the present summary, and are distinguished by the addition of a Roman letter to the number of the nearest Station.

For purposes of reference, and especially to facilitate the correlation of the surface organisms collected by means of the tow-net, with those obtained from the bottom dredgings, the course has been divided into seventeen sections, or lines of soundings, marked by black-letter capitals **A** to **Q**.

OBSERVING STATIONS.

A. STATIONS I. to VIII. (preliminary). *Between Cape Finisterre and the Canaries.*

STATION VII. A.—February 10, 1873. Off Teneriffe. Depth, 78 fathoms.

Sandy mud, with very few organisms. Foraminifera of only about half a dozen common shallow-water species.

STATION VIII.—February 12, 1873. Off Gomera, Canaries. Depth, 620 fathoms.

Sandy mud and shells, with large numbers of stellate sponge-spicules and a few Radiolaria. The Foraminifera for the most part those of a mid-Atlantic Globigerina ooze, but, in common with other shelly organisms, all a good deal worn.