

stations, and their general distribution so far as made known by the Challenger researches. The distribution of each species is given in full only under the first station at which it was taken, and in the case of previously-described species the geographical distribution is indicated only so far as discussed in the Challenger Reports. In many of the lists of animals from dredge and trawl will be found species belonging to intermediate or even surface waters; if an opinion be expressed by the author of the special report as to the habitat of the species, it is indicated in brackets after the name of the species.

The lists thus prepared from the special Zoological Reports were compared with the lists of animals entered in the Station Book by the naturalists on board ship, and a special note is made of any specimens which may not have reached the specialists owing to their mutilated condition or from some other cause.

A short paragraph in heavy type states the number of specimens and species of Metazoa procured at each station by means of the trawl or dredge, the number belonging to new genera and species, and the number of these species not obtained elsewhere by the Expedition. Should the manuscript journals and note-books contain any remarks on the organisms which seemed to be of interest, these have been extracted; when not taken from my own journals the remarks are always placed within inverted commas, and the name of the authority attached to the extract. Interpolations in square brackets [] indicate the names now in use for genera and species otherwise designated by the naturalists in their journals on board ship.

At a large number of stations representative of the different areas and depths, lists are given of the shells, frustules, and skeletons of Pteropods, Heteropods, Foraminifera, Radiolaria, and Diatoms found in the deposits. In the case of the Foraminifera, those species which are pelagic are indicated by a cross \times , for these shells often make up more than 80 per cent. of the carbonate of lime present in the deposit.

Under the heading of Surface Organisms very complete lists of the Diatoms, Foraminifera, Radiolaria, Cœlenterates, Vermes, Crustacea, pelagic Molluscs and Fishes captured near the surface are occasionally given, but, as a rule, the notes here inserted are those entered in the journal on the evening of the day on which the observations were made. On every available opportunity tow-nets were dragged through the surface and sub-surface waters of the ocean, and were occasionally sent down to great depths. When these nets were hauled on board their contents were subjected to microscopic examination by the naturalists, and the general characters of the organisms, with special notes regarding any interesting species, entered in the journals. Frequently, when the weather was favourable, a boat was lowered, and one or more of the naturalists examined the surface water by means of water-glasses, hand-nets, tow-nets, and other appliances, and notes on observations of this kind conclude the descriptions.