

*Eumunida*, are distinguished by a curious modification in the form of the abdomen, which, unlike that of other Galatheids, has become twice folded on itself. Some of the species appear to dwell in the branches of *Gorgoniæ*, &c., and the rudimentary nature of the terminal swimming fan points to their leading a sedentary life, which has resulted in the abdomen becoming folded, as there is now no need for keeping it semi-extended. These forms are thus assuming to a slight extent the main feature of the *Brachyura*.

Numerous instances occur of abyssal species with a greatly extended range of distribution, and of these we may cite what is perhaps the most striking. *Munidopsis antonii* (A. Milne-Edwards), which was captured by the "Talisman" off the north-west coast of Africa, was taken by the Challenger in the Southern Ocean and off the island of Juan Fernandez, South America.

An examination of the deep-sea forms in the collection does not afford any insight into the colour which they possessed during life, for long immersion in alcohol has reduced them all to a dull white. It is known, however, that red is the prevailing colour at great depths, and it appears that, in some cases at least, shallow-water species assume this colour when they pass into deeper water. In the summer of 1885, when dredging in Loch Fyne, on the west coast of Scotland, along with Mr. John Murray and other naturalists, we captured at a depth of 105 fathoms a large number of examples of the shrimp *Pandalus annulicornis*, Leach, in which the colour was a bright red, whereas specimens from shallow water on the same coast are invariably of the same pale greyish hue as the sandy bottom on which they are usually found.

In conclusion, it may be stated that the collection of Anomura reported on in the preceding pages is one of the most valuable which has ever been brought together during a single voyage. It has indeed furnished a knowledge of the bathymetrical distribution of the Anomura which previous to the dispatch of the Challenger was almost entirely wanting, and last, though not least, it has very materially added to the number of known species in the group.

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## APPENDIX.

Two species of Anomura, taken in shallow water, off Bahia, were received too late for satisfactory identification and insertion in the Report. One is a *Hypoconcha*, of small size, though an adult female bearing eggs, which is perhaps referable to *Hypoconcha panamensis*, S. I. Smith, while the other is a species of *Petrolisthes*.