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Nota di contenuto	Three species of skates (Rajidae) from the continental waters of Antarctica / Stewart Springer -- Antarctic ascidiacea II / Patricia Kott -- The species of Cephalodiscus collected during Operation Deep Freeze, 1956-1959 / John C. Markham -- Antarctic and subantarctic Caprellidae (crustacea: amphipoda) / John C. McCain and W. Scott Gray, Jr -- Postnaupliar developmental stages of the Copepod crustaceans Clausocalanus laticeps, C. brevipes, and Ctenocalanus citer (calanoida: pseudocalanidae) / Gayle A. Heron and Thomas E. Bowman -- Benthic ostracoda (myodocopina: Cypridinacea) from the South Shetland Islands and the Palmer Archipelago, Antarctica / Louis S. Kornicker -- A review of the pycnogonid genus Pantopipetta (family austrodecidae, emended) with the description of a new species / Joel W. Hedgpeth and John C. McCain -- Three new species of Dicyema (mesozoa: dicemidae) from New Zealand / Robert G. Short -- Distribution of recent benthonic foraminifera in the Drake Passage / Rene Herb -- Observations on phytoplankton bloom in the Weddell Sea / Sayed Z. El-Sayed -- Morphologic variability in fasciculated diatoms as exemplified by Thalassiosira tumida (Janisch) Hasle, comb. nov. / Grethe R. Hasle, Bert R. Heimdal, and Greta A. Fryxell -- Corethron criophilum Castracane: its distribution and structure / Greta A. Fryxell and Grethe R. Hasle -- Zooplankton standing crop in the Pacific sector of the Antarctic / Thomas L. Hopkins.
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Antarctic Research Series, this volume is the fourth dealing with the biology of the antarctic seas. These collected papers comprise the results of original investigations, 11 of which are concerned mainly with the identification and distribution of marine plants and animals. In the first of these papers Stewart Springer gives a systematic appraisal of the five species of elasmobranch Rajidae from Antarctica, of which one represents a new and unique species. Heretofore one of the peculiarities of the antarctic ichthyological fauna has been the absence of sharks. In this very significant contribution, the author establishes the most southerly record for any member of the elasmobranchs. The second paper, by Patricia Kott, amplifies our systematic knowledge of the tunicates of the South Atlantic, South Pacific, and Indian oceans. It extends her monograph published as volume 13 of the Research Series under the title of Antarctic Ascidiacea and is based on collections made in the Antarctic through 1967; two new species are included. Additions and corrections to volume 13 are appended to this paper. John C. Markham reports on several lower chordates of the genus *Cephalodiscus* and discusses the systematics and distribution of the five species known from the Antarctic. The Deep Freeze materials examined in the course of this study were obtained through the U.S. Navy Hydrographic Office oceanographers from icebreakers assigned to task force 43 prior to and after the 1955-1959 International Geophysical Year and precede the National Science Foundation sponsored research now being conducted by the USNS *Eltanin* and the R/V *Hero* under the U.S. Antarctic Research Program.
