

quest to the Information Officer of the Office of Antarctic Programs. They are eventually reproduced in bound volumes, each containing 2,000 entries. The cumulative volume is divided into 13 major subject categories and includes an author index, a geographic index, and a grantee index. *Antarctic Bibliography*, Vol. 1, was published in 1965 and is for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402. Volume 2 is being readied for the press.

Operation and Maintenance of Laboratory Facilities

HAROLD A. NASH
*North Star Research and
Development Institute*

Hypodermic syringes, fish nets, spectrophotometers, power winches, and test tubes are among the thousands of items which must be purchased to support research activities in the Antarctic. The contract for providing the support to the McMurdo Station Biology and Earth Sciences Laboratories and the Hallett Station Biological Laboratory is held by North Star Research and Development Institute of Minneapolis.

The contract is unusual not only for the multiplicity of items which must be anticipated but by the attention to lead time which must be exercised by both the investigators and the contractor. Material needed for the early summer season must depart the United States in July. This means that the orders must be placed in April and May to allow for delivery time, packing, and shipping.

Laboratory facilities at McMurdo were considerably expanded during 1965 with the opening of the Earth Sciences Laboratory. Although this laboratory was not finished until late in the season and had only token laboratory equipment, it was used by 12 different research teams before the end of the summer. It is expected that it will be much more adequately equipped for the 1966-1967 season.

Principal efforts during the past season were directed toward the improvement of techniques for anticipating needs and preventing supply shortages. Special projects included the preparation of a descriptive brochure of the laboratories for use of potential investigators, the establishment of a library catalog system, and aid in the planning of a new biological laboratory at Palmer Station.

Antarctic Research Series

JUDITH S. McCOMBS
American Geophysical Union

The Antarctic Research Series, established in 1963, provides a medium for the publication of research papers in all fields of antarctic research. Since May 1965, four volumes have been produced which present original contributions directed not only to scientists actively engaged in the specific discipline, but to graduate students and scientists in related fields as well. The individual volumes are for sale by the American Geophysical Union.

Volume 4, *Geomagnetism and Aeronomy*, edited by Arthur Waynick, describes some of the unusual properties of the ionosphere and the Earth's magnetic field in the antarctic region. The central theme is supplemented by papers on the properties of radio noise and precipitation static at Byrd Station.

Volume 5, *Biology of the Antarctic Seas, II*, edited by George A. Llano, is the second collection of reports on studies made in antarctic waters. This volume contains papers concerned with phenomena as well as systematics and deals with studies carried out in McMurdo Sound, Drake Passage, Weddell Sea, and other areas.

Volume 6, *Geology and Paleontology of the Antarctic*, edited by Jarvis B. Hadley, contains analytical and interpretative discussions of recent field work and a concise history of geological exploration in the Antarctic.

Volume 7, *Polychaeta Myzostomidae and Sederantaria of Antarctica*, is the second and concluding part of a comprehensive review by Olga Hartman of the known species of antarctic polychaetes. The first part of this reference work, *Polychaeta Errantia of Antarctica*, appeared in 1964 as Volume 3 of the Antarctic Research Series. The concluding part is concerned principally with the sedentary benthic species, but discusses also the small, aberrant family Myzostomidae, linked with the more readily recognized polychaetes by larval similarities.

Volume 8, *Antarctic Soils and Soil Forming Processes*, scheduled to be released in October 1966, draws together the factors relating to soil genesis and closely related subjects as they are now known on the Antarctic Continent. The volume is edited by J. C. F. Tedrow.