

on electric communications. They may, for example, pursue various branches of mathematics, physics, chemistry, engineering mechanics and mechanical engineering. Fellows may make their own choice of an academic institution within the United States.

■ The Committee on International Exchange of Persons, appointed by the Conference Board of Associated Research Councils, has announced that applications for 1956-57 university lecturing and advanced research awards under the provisions of the Fulbright Act will be accepted between 1 June and 1 Oct. 1955. A total of almost 300 awards will be offered in all disciplines. Countries included will be: Austria, Belgium and Luxembourg, Denmark, Finland, France, Germany, Greece, Iraq, Italy, Japan, Netherlands, Norway, Pakistan, and the United Kingdom and Colonial Dependencies.

Information on the program and application forms may be obtained from the Conference Board of Associated Research Councils, Committee on International Exchange of Persons, 2101 Constitution Ave., Washington 25, D.C.

■ The American Chemical Society has established two awards to recognize and encourage the effective reporting of chemical news. The James T. Grady medal, named after the former editor of the society's news service, who died last fall, will be presented annually to a representative of the press, radio, television, or other medium of public communication "for distinguished reporting of chemical progress."

The second award, to be known as the ACS Local Section Public Relations award, will be conferred annually, starting in 1956, upon the ACS local section that is credited with the best public relations program for the year. This award will be made in four classifications that are based on number of members.

■ The American Heart Association and its affiliates have jointly awarded grants-in-aid totalling \$724,000 to 149 scientists. The newly-approved grants were made possible by public contributions to the annual Heart Fund campaign. At least half of all funds available to the national office of the association are set aside for the research support program. Grants are made in varying amounts, not exceeding \$10,000.

Almost every known field of biological investigation is represented in the list of 149 projects. Many fall into the category of basic research. A number of basic studies supported by the new awards are concerned with the chemical, metabolic, and electric processes involved in heart muscle contraction. Other projects are

concerned with such subjects as the role of the nervous system in maintaining or raising blood pressure; immunity factors in rheumatic fever; the nature of blood clotting; and the role of glandular secretions in disease of the heart and blood vessels. Several projects are concerned with different aspects of the concept that hardening of the arteries may be associated with flaws in the way the body handles fatty substances.

In addition to providing support for laboratory investigations concerning rheumatic fever, the new grants also provide funds to help continue long-range studies comparing different methods of preventing and treating rheumatic fever and rheumatic heart disease. Efforts are being supported to improve techniques for grafting blood vessels and for operating within the heart. New diagnostic techniques and new drugs will also be tested and evaluated in the course of research projects on the approved list.

■ The establishment of a \$5-million fund to promote basic research in the physical sciences has been announced by the Alfred P. Sloan Foundation. The fund was made possible by a special gift from Mr. and Mrs. Alfred P. Sloan, Jr.

The program is expected to be in full operation late in 1956. It will first ascertain areas with "extraordinary needs and an opportunity for fundamental advance" and then seek to locate scientists to meet these needs.

■ Georgetown University has received a gift of \$100,000 from Hugh A. Grant, Bradford, Pa., oil producer, for the support of surgical research at the institution's Medical Center. Robert J. Coffey, professor and director of surgery, will administer the project. The ultimate objective of the research is the transplanting of human embryonic and foetal organs from the dead to living persons. Coffey hopes to devise a method to keep the organs, especially the endocrine organs, growing in an artificial culture medium until they are ready for the transplantation.

Miscellaneous

■ Beginning with the first issues of the 1956 volumes, Consultants Bureau will expand its translation-and-publication program for Soviet scientific journals. Translations of the following journals will be made available at rates ranging from \$20 to \$150 per year: *Automatics and Telemechanics*; *Biochemistry*; *Bulletin of Experimental Biology and Medicine*; *Cement*; *Glass and Ceramics*; and the chemistry, chemical technology, agrochemistry, and geochemistry sections

of the *Proceedings of the Academy of Sciences of the U.S.S.R.*

The new translations will follow the formula already established by the firm's five translations of Soviet chemical journals: cover-to-cover translation and reproduction of all tabular material, diagrams, and photographs. A comprehensive index to each volume of each translation will also be provided.

Further information may be obtained from the Consultants Bureau, 259 W. 14 St., New York 11.

■ The Society for Social Responsibility in Science is sponsoring a project of collection and shipment of scientific works to libraries overseas. Scientific textbooks, periodicals, and research treatises are in demand.

Individuals willing to donate books should send lists to the SSRS Book Project, University of Redlands, Redlands, Calif. The committee will correlate the lists of books available with specific needs. Only books in excellent condition should be listed. Books should not be sent until they are requested by the committee.

■ Additional copies of the Guidebook to the 21st annual Field Conference of Pennsylvania Geologists, which met at University Park 27-29 May, will be prepared if sufficient orders are received. The cost is \$2.25, including 25 ct for handling and postage. The Guidebook includes the following sections: F. M. Swartz, M. Ronces, A. C. Donaldson, J. P. Hea, "Stratigraphy of Ordovician limestones and dolomites of Nittany Valley in area from Bellefonte to Pleasant Gap"; F. M. Swartz, "Stratigraphy and structure in the ridge and valley area from University Park to Tyrone, Mt. Union, and Lewistown"; R. P. Nickelsen and E. G. Williams, "Structure and stratigraphy of Pennsylvanian sediments in the plateau area near Philipsburg and Clearfield."

■ Establishment of *Atomic Age*, a monthly trade magazine intended to serve atomic development in industry, science, and medicine, has been announced by Macaulay Publications of Birmingham, Mich. The publication will cover new products, designs, and developments in the nuclear field and will be dedicated editorially to support of President Eisenhower's plan of developing the atom for peacetime use.

The magazine will be sent without charge to 11,250 U.S. and Canadian engineers, scientists, and professional and management men active in the field of nuclear development. Distribution will be made to foreign scientists in free nations authorized by the State Department on a postage-cost basis.