

with initial grants that totaled \$20.5 million. It is underwritten for a 10-year period. Besides providing some \$2 million per year in scholarship awards, the Merit program is used by many companies who grant Merit Scholarships of their own.

The Merit Scholars are free to select any accredited college or university, and choose any course of study. Harvard is the most popular among the Merit Scholars, followed by Massachusetts Institute of Technology. Of this year's group, engineering and the physical science courses will claim 68 percent of the boys and 13 percent of the girls. Eighteen percent of the boys plan to major in physics, the most popular of the physical sciences. Of the 556 winners, 72 percent are boys and 28 percent girls.

■ An 8-week conference to improve the teaching of biology in high schools and colleges will be held at Michigan State University next summer. Twenty outstanding high-school biology teachers in the United States and 10 college and university biology professors will be invited to participate in the conference, which is being made possible through a \$37,000 grant by the National Science Foundation. Chester A. Lawson, head of the department of natural science, will conduct the program.

During the summer, the teachers will attempt to develop a laboratory manual for use in high school—a manual of exercises that can be adapted to the needs of schools throughout the country. Two preliminary meetings to set up an outline for the summer will be held at Michigan State this year, with the first one scheduled for the Thanksgiving weekend.

■ In fulfillment of terms of a bequest of more than \$9 million from the estate of the late Ralph Hochstetter of Buffalo, N.Y., four groups of postdoctoral research fellowships to be awarded to graduates of approved medical schools have been established at the University of Rochester School of Medicine and Dentistry. In his will Hochstetter, president of the Cliff Petroleum Company, provided that oil and gasoline royalties and other securities be divided equally between the medical schools of the University of Rochester and the University of Buffalo.

The new funds for Rochester make it possible for the school to conduct its research on a long-range basis. Much of the current medical research is financed by the government in the form of annual grants, which may be terminated at any time. The fellowships, to be named Bertha H. Buswell and Dr. Henry C. Buswell fellowships in memory of Hochstetter's late sister and her late husband, will permit recipients to pursue research

in any of the several departments of the medical school. The awards have been divided into the following categories: Buswell junior fellowships, Buswell senior fellowships, Buswell faculty fellowships, and Buswell distinguished service fellowships.

■ A new division of sponsored research has been established at the Massachusetts Institute of Technology. It takes the place of both the division of industrial cooperation and the division of defense laboratories. Research at M.I.T. is largely sponsored either by private enterprise or by government agencies. Privately supported research and a substantial proportion of the Government sponsored research, other than the defense work performed for the Department of Defense, is an essential part of the educational program at M.I.T. and is conducted under the direction of the faculty in the campus laboratories. The administrative services for this work have in the past been provided by the division of industrial cooperation.

Research for the Department of Defense, on the other hand, is generally conducted in laboratories that are independent of the academic departments. Such work has been administered by the division of defense laboratories. Now, however, the new division of sponsored research has taken over policy guidance and general administration for both types of research.

F. Leroy Foster, who was director of the division of industrial cooperation, has been appointed director of the new division, and James M. West, an assistant in the division of defense laboratories, has been made associate director.

Henry W. Fitzpatrick, formerly director of the division of defense laboratories, has become assistant director for administration of the Lincoln Laboratory, the largest of the M.I.T. defense laboratories. Lawrence E. Beckley, who has been assistant director of the division of industrial cooperation, is now associate director for administration of the instrumentation laboratory.

■ A \$440,000 physics lecture building is to be erected at Stanford University with funds provided by the university's royalties on the klystron. Construction will begin next month.

Grants, Fellowships, and Awards

■ The U.S. Public Health Service's National Institute of Neurological Diseases and Blindness has announced that funds are being made available to medical schools to strengthen existing clinical programs in advanced training in ophthalmological and otological diseases.

The purpose is to stimulate the interest of more young physicians and scientists in careers as teachers and investigators in this field.

Training grants also are available to basic science departments to expand postdoctoral training programs in the neurological sciences. Further information, together with application forms, may be obtained from the Chief, Extramural Programs, National Institute of Neurological Diseases and Blindness, National Institutes of Health, Bethesda 14, Md.

■ The Engineering Foundation, New York, will be able to support an expanded research program with the income from a bequest for the benefit of the foundation to United Engineering Trustees, Inc., custodian of the foundation's funds. Some \$425,000 is being made available from the estate of the late Edwin H. McHenry, civil engineer and railroad executive of Ardmore, Pa., who died in 1931.

In his will McHenry provided that upon the death of the last beneficiary his entire estate should go to United Engineering Trustees, Inc., which is empowered to pay the net income from it to the Engineering Foundation for a period of 30 years. The will stipulates that the gift "constitute and be kept as a special trust fund for the furtherance of research in science and engineering" and that it be dedicated to the memory of his wife, Blanche H. McHenry. At the expiration of the 30-year period the principal of the fund held by United Engineering Trustees, Inc., may also be applied to Engineering Foundation research projects. At present the foundation administers the income from a \$1.5 million fund dedicated to engineering research.

■ The Southern Fellowships Fund, acting for the Council of Southern Universities, Inc., and with funds granted to the council by the General Education Board, is offering a program of fellowship awards and grants-in-aid for advanced study and research to qualified persons in institutions of higher education in the following states: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. The primary purpose of the program is the advancement of teaching and scholarship in colleges and universities in the southern area.

Fellowship awards will be made for advanced study and research, leading to the Ph.D. or a similar high degree, primarily in the basic biological and physical sciences, the social sciences, or the humanities. Preference will be given to

applicants who expect to follow a career of teaching in colleges and universities in the South. Applications for 1957-58 must be submitted by 15 Dec. to the executive director of the fund, Robert M. Lester, 119 N. Columbia St., Box 427, Chapel Hill, N.C.

In addition, the Southern Fellowships Fund plans to continue its experimental program of limited grants-in-aid designed to assist faculty members now teaching in 4-year colleges to carry on advanced study or research during the summer of 1957. Application blanks will be sent only to those recommended by their colleges. Simultaneous applications for a summer grant-in-aid and a 1957-58 fellowship award will not be considered. Applications for a summer grant must be received by the executive director before 15 Feb. 1957.

■ The Institute of International Education has announced that competitions for Government educational exchange grants for graduate study abroad will close on 1 Nov. The grants are made under the Fulbright and Buenos Aires Convention programs. Requests for application forms must be postmarked by 25 Oct. and completed forms must be submitted by 1 Nov. Scholarship application blanks and a booklet describing the overseas study awards are available at the institute headquarters at 1 E. 67 St., New York, and at its regional offices in Chicago, Denver, Houston, San Francisco, and Washington.

■ The most serious difficulty encountered by the Russell Sage Foundation in its work for more effective collaboration between the social sciences and the professional services is the scarcity of trained people. In order to help meet this shortage, the foundation offers postdoctoral residencies in operating agencies or professional schools for the purpose of providing qualified sociologists, social psychologists, and anthropologists with specialized training and experience relevant to professional practice in health or welfare.

Applicants are eligible for consideration for appointment (i) if they have received the doctorate or will have completed all requirements for the doctorate in sociology, social psychology, or anthropology before the date on which the requested residency is to begin; (ii) if they are not over 35 years of age; (iii) if they have records that clearly indicate superior ability; and (iv) if they are definitely interested in careers involving behavioral science and professional practice in either health or welfare.

Appointments are made for 1 year with the possibility of renewal for an additional year. Awards may be made at any time during the year. Stipends range

from \$3500 to \$5000. For further information write to the Russell Sage Foundation, 505 Park Ave., New York 22, N.Y.

Miscellaneous

■ The U.S. Civil Service Commission has announced that applications are now being accepted for the following positions: public health biologist, medical entomologist, and chemist, and medical microbiologist in the fields of bacteriology, immunoserology, mycology, parasitology, and virology. The positions are in the Communicable Disease Center of the Public Health Service in Atlanta, Ga., and at other locations where the center's activities are conducted. The entrance salaries range from \$5440 to \$11,610 a year.

Full information and application forms may be obtained at many post offices throughout the country, or from the U.S. Civil Service Commission, Washington 25, D.C. Applications will be accepted by the Board of U.S. Civil Service Examiners, Communicable Disease Center, 50 7th St. NE, Atlanta 23, Ga., until further notice.

■ Throughout this month, the New York Academy of Medicine, New York, is exhibiting a collection of medical art that includes works by Rembrandt, Daumier, Hogarth, Toulouse-Lautrec, and other great masters. The collection, entitled *Ars Medica*, is owned by the Philadelphia Museum of Art, and is presented by Smith, Kline and French Laboratories, under whose grant the collection was assembled.

The scope of the show extends from medical illustrations designed for teaching purposes, such as those of Vesalius, Wechtlin, and others, to portrayals and critiques of medical procedures of the past. Assembled by Carl Zigrosser of the Philadelphia Museum, *Ars Medica* is the first collection of its kind. It is being displayed in 15 mobile units.

■ Opportunities for physical scientists and technicians exist in the Antarctic Program planned by the U.S. National Committee for the International Geophysical Year. A staff is being selected specifically to study the aurora and airglow.

Major geophysical research stations will be established at Little America, Marie Byrd Land, and the South Geographic Pole, and on the Knox Coast and along the Weddell Sea. Initiation of this program began last year with the site-reconnaissance voyage of the U.S.S. *Atka*. Operation Deepfreeze, now under way, will establish the Little America Station, cache supplies for the interior

stations to be set up in the fall of 1956, and explore site possibilities for stations on the Knox Coast and the Weddell Sea.

The scientific program will cover 3 years, July 1956-July 1959. Scientists and technicians who have already been selected will leave the United States on about 1 Nov. 1956. Positions are now open for the period of investigations beginning approximately July 1957 and ending approximately July 1959. Prior to departure sometime in November 1957, advance training will be provided in problems of research, instrumentation, and operations in the polar regions.

Opportunities are available to candidates at the bachelor, master, and doctorate levels of training and experience. Scientists, engineers, and technicians, with training in physics, geophysics, astronomy, electronics, or closely allied areas are invited to address inquiries to Norman J. Oliver, Chief Scientist, Aurora and Airglow Program, c/o Geophysics Research Directorate, AF Cambridge Research Center, 415 Summer St., Boston 10, Mass.

■ Memorial services for Anton J. Carlson, world famous biological scientist of the University of Chicago who died on 2 Sept., will be held at 2 p.m. on 3 Nov. in the auditorium of Billings Hospital, 950 E. 59 St., Chicago. Lawrence A. Kimpton, chancellor of the University of Chicago; John O. Hutchens, professor and chairman of the department of physiology; and Lester R. Dragstedt, professor and chairman of the department of surgery, will be the speakers. Dragstedt, former pupil and longtime friend of Dr. Carlson, will deliver the principal address.

■ The International Commission on Zoological Nomenclature has announced that beginning on 28 Mar. 1957 it will start voting on the following cases involving the possible use of its plenary powers for the purposes specified against each case. Full details were published on 28 Sept. in the *Bulletin of Zoological Nomenclature* (Vol. 12, part 9): (i) *Rafinesque*, 1814-1818, names published by, for genera and species in the Orders Decapoda and Stomatopoda (Cl. Crustacea), suppression; (ii) *cruentatus* Linnaeus, 1758, *cubicus* Forskal, 1775, and *novemdecos* Sulzer, 1776, all published in combination with the generic name *Cancer* (Cl. Crustacea, Order Decapoda), suppression; (iii) URINATORIDAE Vieillot, 1818, suppression of, in favor of GAVIIDAE Coues, 1903 (Cl. Aves); (iv) *Peltura* (emend. of *Peltoura*) Milne Edwards (H.), 1840 (Cl. Trilobita), validation. Comments should be sent as soon as possible to Francis Hemming, 28 Park Village East, Regent's Park, London, N.W.1.