

preparing and submitting abstracts and final papers, as well as the conference agenda, will be furnished on request by the technical director.

### Library of Science Program for Young Adults

The Library of Science, New York, comprising some 40,000 scientists, educators, and related professionals, has started a new program for gifted and science-minded young people of high school age. The new Young Adults' Division will endeavor to bring to young people—on their own level—the type of reading material the Library of Science provides for its regular members.

The stimulus for the new program came from the members of the Library of Science who responded to an initial test mailing by enrolling more than 3000 charter members in the Young Adults' Division. Membership is now open to all young people of high school age who are sponsored by their parents or other adults.

### New Antenna at Illinois

An antenna reflector 28 feet in diameter has been erected on top of the Electrical Engineering Building at the University of Illinois to receive signals coming by way of the moon from the Signal Corps Laboratory at Ft. Monmouth, N.J. A possible application would be to use the moon to reflect television signals from any point where the moon is visible to any other point. Another would be to reflect control signals from the moon to guide a rocket part way around the curvature of the earth, or start it on a path going even farther. In the process, dispersal of energy is tremendous: of 40,000 watts transmitted from New Jersey, only about 100 reach the moon, and one-millionth of one-billionth of one watt is received back in Urbana-Champaign.

### Grants, Fellowships, and Awards

**Bacteriology.** The \$1000 Eli Lilly Award, which is given annually to a microbiologist, will be awarded to a person who is less than 35 years of age on 30 April 1958 and who has performed outstanding research in bacteriology or its related fields. The award committee is composed of representatives of the Society of American Bacteriologists, the American Association of Immunologists, and the American Society for Experimental Pathology. Nominations should be sent before 15 January to Dr. Arthur Kornberg, Department of Microbiology,

Washington University School of Medicine, Euclid Avenue and Kingshighway, St. Louis, Mo.

**Genetics.** The André Dreyfus Foundation, Rio de Janeiro, Brazil, invites applications for its International Genetics Prize of 150,000 cruzeiros. The award is intended to support the development of research programs, travel for purposes of research, or publication of research results. Applicants should submit a *curriculum vitae*, a list of publications, and a detailed plan of the research program proposed or a copy of the manuscript being offered for publication. Applications and supporting documents must be received before 31 January by Jenny Dreyfus, Secretária Geral da Fundação-Prêmio André Dreyfus, Rua Belfort Roxo 40, apto. 502—Copacabana, Rio de Janeiro, D.F., Brazil.

**Gerontology.** The Inter-University Training Institute in Social Gerontology of the University of Michigan has announced 35 faculty fellowships for a summer training seminar in social gerontology to be held at the University of Connecticut, 4–29 August. The awards are open to college faculty members who are trained in one of the social sciences and who are actively interested in developing programs in social gerontology at their institutions. The stipend is \$500; travel costs and living accommodations on the university campus are also paid. For information, write to Dr. Wilma Donahue, Director, Institute for Social Gerontology, 1510 Rackham Building, University of Michigan, Ann Arbor, Mich.

**Librarianship.** The Medical Library Association will award eight scholarships of \$150 each to students accepted for the approved courses in medical librarianship during the summer sessions of the following institutions: School of Library Service, Columbia University; Division of Librarianship, Emory University; University of Illinois Library School; and the School of Library Service, University of Southern California. Applications for scholarships should be made to the library school at the time of application for enrollment. Sufficient time should be allowed for the school to pass upon credentials and forward applications for scholarships to the Medical Library Association. The association's closing date is 1 March, and candidates must have been accepted for admission by the library school.

**Mechanics of Fluids.** The Humanities Fund, Inc., New York, has announced the \$3000 Boris A. Bakhmeteff graduate fellowship for the support of research of an original and creative nature in the general field of mechanics of fluids. For information, write to Dean William Allan, School of Technology, City College of New York, New York 31, N.Y.,

who must receive completed application forms by 15 February.

**Ophthalmology.** The National Council to Combat Blindness is accepting applications for its 1958–59 Fight for Sight grants-in-aid, research fellowships, and summer student fellowships. Application forms, which must be submitted by 1 March, may be obtained from the Secretary, National Council to Combat Blindness, Inc., 41 W. 57 St., New York 19, N.Y.

**Psychiatry.** The Society of Biological Psychiatry is offering an annual award that has been made possible by the A. E. Bennett Neuropsychiatric Research Foundation. The award consists of traveling expenses to the society's annual meeting, expenses at the meeting, and an honorarium of \$250; it will be given to a young investigator for an unpublished report of recent research. Papers should be sent in quadruplicate to Arthur A. Ward, Division of Neurosurgery, School of Medicine, University of Washington, Seattle 5, Wash.

**Psychometrics.** The Educational Testing Service has announced two research fellowships in psychometrics leading to the Ph.D. degree at Princeton University. The stipend is \$2650. Undergraduate preparation may consist of a major in psychology with supporting work in mathematics or a major in mathematics with some work in psychology. A candidate must either have taken the Graduate Record Examinations in 1957 or register by 3 January to take these examinations on 18 January. Fellowship applications must be received before 3 January by the Director, Psychometric Fellowship Program, Educational Testing Service, 20 Nassau St., Princeton, N.J.

**Secondary School Teaching.** The Shell Companies Foundation, Inc., has announced that fellowships will be provided for special study next summer to 100 high school teachers of physics, chemistry, and mathematics. Half the recipients will attend summer sessions at Stanford University, and half will go to the Cornell University. Fellowship teachers receive allowances for travel, tuition, living expenses, and \$500 in cash to offset the loss of other summer earnings. Teachers in the United States and Canada with 5 years' experience and known leadership ability are eligible. Applications should be sent before 1 February to the two universities. Teachers living west of the Mississippi River should write the School of Education, Stanford University, Stanford, Calif. Teachers living east of the Mississippi should write the School of Education, Cornell University, Ithaca, N.Y.

**Statistics.** The department of statistics at the University of Chicago has established a program of postdoctoral awards

in statistics under a grant from the Rockefeller Foundation. The awards, which range from \$3600 to \$5000, are intended for investigators whose primary field is not statistics but one of the physical, biological, or social sciences to which statistics can be applied. The closing date for application is 15 February. For information, write to the Department of Statistics, Eckhart Hall, University of Chicago, Chicago 37, Ill.

**Therapy.** The American Therapeutic Society is accepting nominations for the Oscar B. Hunter memorial award, which is given annually to recognize an outstanding contribution, or series of contributions, to therapy by an individual or by a team of workers. The term *therapy* is used in a broad sense to include the use of any drugs, procedure, or device of benefit in the treatment of patients. Nominations must be submitted before 1 February to the chairman of the award committee, Dr. Harry E. Underleider, 393 7th Ave., New York 1, N.Y.

### Cancer Advisers

A Board of Scientific Counselors has been established by the Public Health Service to review, discuss, and make recommendations concerning the research conducted by the National Cancer Institute at the National Institutes of Health, Bethesda, Maryland, and in the field.

The new board is composed of the following nongovernment scientists: Wendell M. Stanley, Nobel prize winner and director of the Virus Laboratory, University of California, Berkeley, chairman; Charles Huggins, professor of surgery, University of Chicago; E. K. Marshall, emeritus professor of pharmacology, Johns Hopkins University; Carl V. Moore, professor of medicine, Washington University; Eugene P. Pendergrass, professor of radiology, University of Pennsylvania; and Philip P. Cohen, professor of physiological chemistry, University of Wisconsin.

### New York Academy of Sciences

The year ending 31 October was the most successful in the 141-year history of the New York Academy of Sciences, according to the institution's annual report. The report described 15 special conferences, attended by 6700 scientists from most sections of the world, and 123 regular meetings on a variety of subjects ranging from electron diffraction to astrophysics to cancer. Fifty-six other societies also held 312 meetings at the academy during the year.

Publication of transcripts of meetings

and conferences, and of programs, was an important part of the academy's activities: 23 monographs, totaling 4601 pages, recorded 391 papers by 653 authors. Academy transactions accounted for 770 additional pages of type. Thirty-one volumes, in all, were published.

Though sale of publications was a major source of income for the academy, it was second to membership fees. The academy had a net increase in membership of 1869 during the year. Members are concentrated in the New York area, but also represent all 48 states, four U.S. possessions, and 65 foreign countries.

### News Briefs

Britain and France have agreed to link their electric power systems by means of a cross-channel cable system. The project is expected to be completed by the winter of 1960-61. The total annual saving for the two countries is estimated at £300,000 (\$840,000). The two countries will actually gain further because they will not have to provide additional facilities to meet daily and seasonal peak demands. The times of these demands are different for each country.

An extension to Britain's Radiochemical Center at Amersham, Buckinghamshire, was recently opened to enable the center to meet the demand for its radioactive products, about 70 percent of which are exported. The improved facilities are expected to make the scale of radioactive operations about 100 times greater than before.

Irene duPont of Wilmington, Del., has given \$35,000 to Dickinson College to equip and furnish a science library in the \$650,000 C. Scott Althouse Science Building that is now under construction on the campus and scheduled for completion next August.

The Lincoln Laboratory of Massachusetts Institute of Technology in Lexington, Mass., has announced the completion, on Millstone Hill in Westford, Mass., of a very large and high-powered long-range radar. Lincoln Laboratory is engaged in electronic research on new problems of air defense and is supported by the Army, Navy, and Air Force.

Childbearing is now safer than ever before, according to the Metropolitan Life Insurance Company. In 1956, when registered births in the United States reached a record high of 4,168,000, fewer than 1600 deaths due to complications of pregnancy and childbirth were reported. The 1956 maternal mortality rate of 3.8 per 10,000 live births represents a reduction of about one-half in

the last 5 years, and of about three-fourths in the last decade.

A new \$10-million United Engineering Center is to be erected on United Nations Plaza in New York to replace the present Engineering Societies Building at 29 W. 39th St. The 22-story structure, which is to be occupied in the fall of 1960, will serve as the headquarters of 16 national engineering societies with a total membership of about one-quarter of a million engineers.

Fourteen leading engineering figures will act as sponsors for the 1958 National Engineers' Week, 16-22 February. The week is under the general direction of the National Society of Professional Engineers. The group of leaders includes James R. Killian, Jr., president of Massachusetts Institute of Technology and newly appointed special assistant to President Eisenhower for science and technology.

The Maritime Administration, U.S. Department of Commerce, and the Atomic Energy Commission have awarded a contract for the construction of a nuclear powered merchant ship, the *Savannah*, to the New York Shipbuilding Corporation of Camden, N.J. The ship's nuclear propulsion system will be furnished by the Babcock and Wilcox Company under a separate AEC contract.

The Armed Services Technical Information Agency, with headquarters in Dayton, Ohio, has announced the opening of the ASTIA San Francisco Regional Office in the Oakland Army Terminal. The new office is designed to furnish technical report services and assistance to Department of Defense supported research and engineering activities in the San Francisco region, including northern California and the bordering states.

### Scientists in the News

WARREN WEAVER, vice president for natural and medical sciences of the Rockefeller Foundation, and AAAS president in 1954, has received the Public Welfare Medal of the National Academy of Sciences. The medal is awarded for outstanding public service in the uses of science rather than for achievements within a particular scientific discipline.

LARS ONSAGER, J. Willard Gibbs professor of theoretical chemistry at Yale University, has been selected to receive the Lorentz Medal of the Royal Netherlands Academy of Sciences. The