

ministration and to groups such as the Association of American Medical Colleges, which feels that unless such funds are supplied the program will "constitute a further drain on the already strained resources of the medical schools." Debate still continues over the wisdom of including "other major diseases" in a program originally designed to focus exclusively on heart disease, cancer, and stroke. Finally, there is concern on the part of friend and foe alike over the administration's apparent intention to rush into the program on a grand scale—giving perhaps 40 planning grants the first year and anticipating that within the year at least eight complexes could be functioning. The AMA is urging that the legislation be put aside "until it can be studied and evaluated in all respects," and the AAGP is similarly counseling postponement. Even the American Heart Association, a leading supporter of the bill, is urging that at least 2 years be allotted for planning and that subsequently a limited number of pilot projects be set up, so that "experience thus gained [may] be fully utilized in devising later action." Some members of the Commerce committee also appear to believe it would be well to set up three complexes and see how they worked out before embarking on an elaborate program. Whether these calls for caution will be heeded remains to be seen.—ELINOR LANGER

Announcements

The University of Miami has established a "**center for theoretical studies**" for visiting scientific scholars. Behram Kursunoglu, physics professor at the school, is the director. The center will provide facilities for established scholars to conduct research of their choice in the natural sciences or the history and philosophy of science. The visiting scientists may stay from a month to an academic year, and may conduct seminars and lectures at the university; they also may be invited to supervise graduate projects. Additional information on the center is available from the program coordinator, Arnold Perlmutter, Department of Physics, University of Miami, Coral Gables, Florida.

Minnesota and Missouri are the first states to qualify for federal grants to aid in financing the construction of **community mental health centers** under

the Community Mental Health Centers Act of 1963, according to a recent announcement from the Department of Health, Education, and Welfare. Communities in these states may now submit applications for construction projects to the mental health authority in their state; applications will be assigned a priority by the state agency and be forwarded to the PHS for final approval. Congress has authorized \$150 million for the program, over a 3-year period, with \$35 million the first year, allotted among the states on the basis of population and need.

Minnesota, eligible to receive about \$639,000 this fiscal year, plans to expand its system of mental health clinics, and to provide new services. Missouri's plan includes the proposed construction of a mental health facility in Columbia, to be associated with the University of Missouri medical school.

U.C.L.A.'s school of public health is offering a graduate program in **gerontology** and the public health aspects of the aging process. It will offer the degrees of master of science, master of public health, and doctor of public health. The program's objectives are to train research personnel for psychological, sociological, and epidemiological research programs in gerontology, and to train research-oriented personnel for community-based gerontological service programs. The degrees will take 1½ to 2 years of study for the master's and an additional 2 years for the doctorate. Financial assistance is available through two Public Health Service grants, which offer stipends of \$250 to \$400 a month, plus dependency allowances, tuition, and fees. Information is available from D. M. Wilner, U.C.L.A. School of Public Health, Los Angeles 90024.

Grants, Fellowships, and Awards

An 11 October deadline has been announced for two fellowships in **science** offered by the National Science Foundation. Both are for study or research in the mathematical, physical, biological, or engineering sciences or in anthropology, economics, geography, history and philosophy of science, linguistics, political science, psychology, or sociology. Tenure is usually for 1 year, or for a 9-month academic year, and the stipends, based on the recipients' salaries, range from \$5500 to \$15,000 a year, plus allowances.

Applications should be obtained from the Fellowship Section, Division of Graduate Education, NSF, Washington, D.C. 20550. The awards are:

Senior postdoctoral fellowships: about 100 will be given to persons with at least 5 years of postdoctoral work or the equivalent, for study to "enhance their scientific competence."

Science faculty fellowships: about 350 will be awarded to junior college, college, and university science teachers "to enhance their effectiveness as teachers." Applicants must have a bachelors degree and at least 3 years of fulltime experience in college-level science teaching: they must intend to continue teaching.

Graduate fellowships in **medical parasitology** are available in Mexico at the Universidad Nacional Autónoma de México, under a program sponsored by the National Institutes of Health. The fellowships are offered to U.S. citizens who have a master's or doctoral degree and plan a career in teaching or research in parasitology. Awards are for 10 months and carry stipends of \$500 a month, U.S. funds, plus dependent and travel allowances. (F. Biagi F., Department of Biology, Universidad Nacional Autónoma de México, Apartado 20372, Mexico 20, D.F.)

Applications are being accepted for the 1965 NATO postdoctoral fellowships in **science**. Approximately 65 will be offered to U.S. citizens for terms of 9 to 12 months. The fields included are the mathematical, physical, biological, engineering, and social sciences; history and philosophy of science; and interdisciplinary areas. Applicants must submit outlines of their proposed programs. The stipend is \$5500 for a year, \$4125 for a 9-month tenure; dependent, travel, and tuition allowances are also provided. Deadline for receipt of applications: *11 October*. (Fellowship Office, National Academy of Sciences, 2101 Constitution Avenue, Washington, D.C. 20418)

Meeting Notes

The call for papers has been issued for the sixth national conference on **applied meteorology**, scheduled for 29–31 March in Los Angeles. The sponsors are the American Meteorological Society and the American Institute of Aeronautics and Astronautics. Atmospheric problems of aerospace vehicles

will be the theme of the meeting. Deadline for receipt of titles and abstracts: *1 October*. (B. N. Charles, Booz-Allen Applied Research, Inc., 6151 West Century Blvd., Los Angeles, California)

Papers are invited for presentation at a conference on modern methods of **weather forecasting and analysis**, to be held in Chicago, 23–25 March. The American Meteorological Society is sponsoring the meeting. Titles and 200-word abstracts are required; deadline: *1 October*. (J. R. Fulks, U.S. Weather Bureau, 5730 South Woodlawn Ave., Chicago, Illinois)

The second symposium, on the **interaction of space vehicles with an ionized atmosphere**, will take place 26–27 November, cosponsored by the American Astronautical Society. It will deal with the problems of an electrically charged body moving through rarified atmospheres. The types of problems involved include the effects produced on the plasma by the body and effects on the body due to the existence of the plasma and of a magnetic field. Invited and contributed papers may be presented. Deadline for receipt of abstracts: *1 October*. (A. Hochstim, Institute for Defense Analyses, 400 Army-Navy Drive, Arlington, Virginia)

The New York Academy of Sciences will sponsor a conference on **plant growth regulators**, 26–27 May, in New York. The conference will include four sessions, concerned with auxins, kinins, gibberellins, and synthetic regulators. Persons who wish to attend are requested to contact the organizing chairmen by 30 September. (A. C. Gentile, Department of Botany, University of Massachusetts, Amherst)

The second annual **contamination control** seminar will be presented by Rochester Institute of Technology, 18–22 October in Rochester, N.Y. It is designed for administrators, engineers, and supervisors. Sessions will include data sources, contamination control economy, and the evaluation of control problems. (H. Kentner, Extended Services Division, Rochester Institute of Technology, 65 Plymouth Avenue South, Rochester, New York 14608)

The first international symposium on **water desalination** will take place 3–9 October in Washington. Delegates from some 60 nations will attend. The meeting is sponsored by the U.S. De-

partment of the Interior with the cooperation of the State Department. Technical papers will cover basic research, engineering, conversion plants, energy sources, and economic and optimum design of systems. (M. M. Blevins, Office of International Conferences, U.S. Department of State, Washington, D.C.)

New York will be the site of the annual meeting of the **Industrial Relations Research Association**, 28–29 December. Contributed papers are requested on the theme, "The Changing Labor Market." Deadline for receipt of papers: *1 October*. (Industrial Relations Research Association, Social Science Building, Madison, Wisconsin 53706)

Papers are being solicited for an international symposium on the **Devonian system**, to be held in Alberta, Canada, in September 1967. The meeting will be sponsored by the Alberta Society of Petroleum Geologists. Papers may be delivered in English, French, Russian, German, or Spanish; English and French are preferred. The topics will include the following: stages, stage and system boundaries, correlation, biochronology; faunal provinces and facies control; old red sandstone, continental deposition; carbonates and reefs; noncarbonate sediments; Devonian climatic belts and paleomagnetism; igneous activity and tectonism; and Devonian economic materials. Deadline for receipt of titles: *15 October*. (Secretary, International Symposium on the Devonian System, P.O. Box 53, Calgary, Alberta, Canada)

The American **Public Health Association** plans to hold its 93rd annual meeting 18–22 October in Chicago. The meeting will include reports on research and program developments in several areas of specialization. Also, each of the association's 15 sections, and several related organizations, will sponsor scientific sessions. (APHA, 1790 Broadway, New York)

Courses

Georgia Institute of Technology will present its second biennial short course in **photogrammetry** 6–8 October. The course will emphasize techniques for photogrammetrists, engineers, and surveyors. The registration fee is \$15. Deadline for receipt of applications: *1*

October. (Director, Department of Continuing Education, Georgia Institute of Technology, Atlanta 30332)

A course on "**life testing and systems reliability and maintainability**" will be offered by New York University 18–29 October. Participants should have the equivalent of a year's college course in probability and statistics. The fee is \$300. Deadline for receipt of applications: *11 October*. (Office of Special Services to Business and Industry, New York University, New York 10003)

Scientists in the News

Frederick E. Terman has been named president of the Southern Methodist University Foundation for Science and Engineering. The appointment will be effective 1 September, when he retires as vice president and provost of Stanford University. He will remain at Stanford part time as a consultant to the president and to work on special assignments.

Calvin Gross, superintendent of schools in New York, has been named dean of the school of education at the University of Missouri, Kansas City, effective 15 August. He will be succeeded by **Bernard Donovan**, executive deputy superintendent of schools in New York.

James E. Birren, director of the National Institute of Child Health and Human Development's program on aging, has been named director of the Rossmoor-Cortese Institute for the Study of Retirement and Aging at the University of Southern California, as of 1 September.

Troy L. Pewe, head of the department of geology at the University of Alaska and geologist, U.S. Geological Survey, will become chairman of the department of geology, Arizona State University, Tempe, in September.

Leroy S. Lavine, associate professor of orthopedic surgery at the State University of New York Downstate Medical Center, has been named professor and cochairman of the division of orthopedic surgery at the school.

Frederic G. Hirsch, formerly at Argonne National Laboratory, has become assistant director of research at the Lovelace Foundation.

Roger E. Ulrich, formerly associate professor and chairman of the psychology department of Illinois Wesleyan University, has been appointed professor and head of the psychology department at Western Michigan University.

Jerome M. Pollack, formerly chairman of the department of geology and geography at the University of New Hampshire, has been appointed dean of the college of arts and sciences at the University of Rhode Island.

Arnold B. Grobman, director of the Biological Sciences Curriculum Study, will become dean of the college of arts and sciences for men at Rutgers University as of 1 September.

Harold J. Blumenthal, formerly an associate professor of microbiology at the University of Michigan, has become professor and chairman of the department of microbiology at the Stritch school of medicine, Loyola University.

Howard Laster, associate chairman of the department of physics and astronomy at the University of Maryland, has been named head of the department, succeeding **John S. Toll**, who has been appointed president of the State University of New York, Stony Brook.

John B. Newkirk, professor of material and metallurgical engineering at Cornell, has been named the first **B. P. Phillipson** professor of metallurgy at the University of Denver as of 1 September.

Dwight J. Ingle, chairman of the department of physiology at the University of Chicago, has been elected president of the Society for Experimental Biology and Medicine for a 2-year term beginning 1 September.

Recent Deaths

Harold Gardiner Bowen, 81; first chief of the Navy's Office of Research and Inventions, and a key figure in the founding of the Office of Naval Research; 1 August.

Jan Czekanowski, 83; founder of the "Polish school" of anthropological study; 22 July.

N. Howell Furman, 73; retired professor and former chairman of the chemistry department at Princeton; 2 August.

Alvin C. Graves, 55; head of the test division at Oak Ridge National Laboratory; 29 July.

Roy W. Johnson, 59; first director of the Defense Department's Advanced Research Project Agency; 22 July.

Bertil Lindblad, astronomer and director of the Stockholm Observatory at Saltsjöbaden, Sweden's Royal Academy of Science; 25 June.

Gregory Schwartzman, 69; head of the department of microbiology at Mt. Sinai Hospital, New York; 22 July.

Perry Daniel Strausbaugh, 79; professor emeritus of botany at West Virginia University; 3 May.

Leopoldo J. Villanueva, professor in the college of agriculture, department of agricultural chemistry of the University of the Philippines; 12 July.

Major Contracts and Grants

The University of Florida, Gainesville, will construct a **space science** building under a NASA facilities grant of \$1,190,000. The proposed building will have more than 50,000 square feet for laboratory and office space. It "will permit the expansion of theoretical and experimental research in aeronautical and space sciences and will enable the university to train an increased number of . . . researchers," according to NASA administrator James E. Webb. The school is already participating in NASA-sponsored research and training programs.

The National Science Foundation last month announced the second group of grants to be awarded under its **Science Development Program**. The program was established to give long-range support (3 to 5 years) to universities seeking to improve their science teaching and research. The first group of grants was announced in May (see *Science*, 14 May, page 929). The latest recipients are:

University of Arizona: \$4,045,000.

University of Colorado: \$3,755,000.

University of Florida: \$4,240,000.

Rice University: \$2,390,000.

University of Rochester: \$2,550,000.

University of Virginia: \$3,780,000.

The National Science Foundation has presented a 2-year grant of \$260,000 to the **Inter-University Consortium for Political Research (ICPR)**, at the University of Michigan. The grant will support the recovering and processing of data from some 7500 elections, and

will include related historical demographic data extracted from tabulated census returns. The ICPR was created in 1962 to promote graduate training and basic research in political science. It includes about 45 university members, each of which contributes \$2500 a year for the use of the information repository and participation in related research training programs. NSF support began in 1963.

The John A. Hartford Foundation has announced a grant of \$195,700 to **Children's Hospital Medical Center**, Boston. The funds will be used to study the effects on the human system of atomic radiation, common chemicals, and viruses. It will also help finance work aimed at detecting genetic abnormalities in infants and others before symptoms appear. Louis K. Diamond, associate physician-in-chief and hematologist at the hospital, will be project director.

Recently awarded major contracts and grants also include:

Research

Committee on Institutional Cooperation: \$1,183,000, AID; analysis of AID-assisted agricultural education and research programs conducted abroad by U.S. universities; I. L. Baldwin, project coordinator.

Case Inst. of Technology: \$1,000,000, Vocational Rehabilitation Administration; cybernetic systems for disabled; J. B. Reswick, project director.

Dow Chemical Co., Midland, Mich.: \$989,000 PHS; control of contamination hazards in virus-cancer research; L. Weaver, project administrator.

Oregon State Univ. \$290,000, PHS Div. of Radiological Health; development of teaching and training programs in x-ray science; E. D. Trout, project director.

Univ. of Minnesota: \$276,748 NASA; automatic proper motion survey of the stellar system; W. J. Luyten, principal investigator.

Metropolitan Pittsburgh Educational Television, Inc.: \$124,445, NASA; "NASA on Space" television series.

Case Inst. of Technology: \$103,600, NSF; locate documents on history of science and technology in a 300-mile radius of Cleveland; Archive of Contemporary Science and Technology project.

Construction

U.C.L.A. Neuropsychiatric Institute: \$2,638,000, PHS; mental retardation study and treatment unit.

Children's Hospital, Boston (affiliate of Harvard medical school): \$863,250, PHS; outpatient department.

Univ. of Hawaii: \$475,000, NASA; intermediate-sized planetary telescope.

Univ. of Chicago Yerkes Observatory: \$176,000, NSF; 40-inch reflecting telescope.