

partment of biochemistry of the University of Chicago and director of the department of scientific research of the American Meat Institute; 30 Sept.

KATHRYN McHALE, Washington, D.C.; 67; former professor of psychology at Goucher College; 8 Oct.

MARY K. NICHOLAS, Spring Valley, N.Y.; 50; instructor in chemistry at the Jersey City Medical Center Nursing School; 13 Oct.

ROBERT B. OSGOOD, Boston, Mass.; 83; emeritus professor of orthopedic surgery at Harvard Medical School; 2 Oct.

JOHN C. PICKERING, Fort Lauderdale, Fla.; 73; retired mining engineer; 10 Oct.

ALICE M. RUSSELL, Philadelphia, Pa.; 65; head of the biology department at Rosemont College; 14 Oct.

EDWARD M. TWITMYER, Philadelphia, Pa.; 55; clinical psychologist; headmaster of the Pennsylvania School for the Deaf; 6 Oct.

JEREMIAH H. WALSH, Corning, N.Y.; 86; former secretary of the American Medical Association; instructor in anatomy at Rush Medical Center; 12 Oct.

Education

■ The Commonwealth of Massachusetts has appropriated \$2,108,000 for a new four-story building at Lowell Technological Institute that will be used primarily to house the electronic and plastics engineering departments and the general engineering laboratories.

■ The Scripps Institution of Oceanography of the University of California has announced plans for expanding into other phases of science. Initial expansion will cost between \$12 million and \$15 million. The first steps will be to enlarge the departments of physics, chemistry, biology, geophysics, and research engineering.

■ A new laboratory for research in urology is to be established at Northwestern University Medical School. The laboratory has been made possible by the Lucy and Edwin Kretschmer Fund, which was created by the late Herman L. Kretschmer, urologist and former president of the American Medical Association, in honor of his wife and son. John Grayhack will be director of the new facility.

■ The natural science faculty of Newark College, Newark, N.J., a division of Rutgers University, in cooperation with the New Jersey Science Teachers Association, has scheduled a series of seven free lectures in the sciences for teachers.

■ The U.S. Public Health Service has announced the first grants, totaling \$765,159, in its 3-year, \$90-million program to assist in the construction of medical research facilities. Approval of the awards was based on the recommendation of the newly created National Advisory Council on Health Research Facilities, which recently held its first meeting at the National Institutes of Health in Bethesda, Md. The grants will be matched on a 50-50 basis by the institutions.

Some 24 additional applications were tentatively reviewed by the council. However, in order to have a better knowledge of the number and kind of applications which may be submitted, the council elected to act only on those projects for which full data were available and which warranted immediate support. It is expected that a major part of the \$30 million available this year will be recommended for allocation at the December meeting of the council.

This first meeting was chiefly concerned with setting policies and organizing the new program. Regulations were recommended by the council and will be published soon in the *Federal Register*.

More than 250 institutions have asked for information and application forms for these construction grants. A list of the initial grants approved follows: Massachusetts General Hospital, neurosurgical floor in the Warren Medical Building, \$95,045; Albany Medical College of Union University, animal quarters, \$45,000; Elizabeth Gamble Deaconess Home Association, operating the Christ Hospital Institute of Medical Research, Cincinnati, Ohio, construction and equipment of fourth floor in the Institute of Medical Research, \$184,000; University of Pennsylvania, William H. Donner Center for Radiology, \$179,004; University of Minnesota Medical School, department of anatomy research facilities, Jackson Hall, \$26,110; University of Minnesota College of Medical Sciences, departments of physiological chemistry, physiology, and pharmacology research facilities, Millard Hall, \$161,000; Georgetown University, animal research laboratories, \$75,000.

Grants, Fellowships, and Awards

■ The National Science Foundation is initiating a program for the support of chemical research to be performed by qualified high-school and college chemistry teachers during the summer. Grants in support of such research will be awarded to colleges and universities that are interested in participating in this program, and they will select the high-school and college teachers who will conduct the research.

Proposals describing the research to be performed should be prepared along the lines suggested in the foundation's booklet, *Grants for Scientific Research*, copies of which are available upon request. The proposals should list the staff members of the chemistry department of the institution submitting the proposal, the name of the person who will supervise the research of the high-school and college teachers, and a description of the problems that will be studied.

In order to permit adequate time to arrange for the research to be conducted during the summer of 1957, it is planned to award grants in support of the selected proposals by about 1 Mar. 1957. The deadline for receipt of proposals to be considered is 1 Dec. 1956. Proposals should be addressed to the Mathematical, Physical and Engineering Sciences Division, National Science Foundation, Washington 25, D.C.

■ Three fellowships are available at the Montefiore Hospital, Pittsburgh, Pa. These fellowships are designated by the donor, Bessie F. Anathan, for study or research in the medical sciences or in the basic sciences that contribute to the advancement of human health.

The fellowship committee will consider applicants, not only on the basis of high scholastic standing, but also on aptitude for research, without limiting the selection of fellows to residents of any area, and without regard to race, color, creed, or religion. For information, write to the Bessie Frank Anathan Fellowship Fund, Montefiore Hospital, Fifth Avenue at Darragh Street, Pittsburgh 13, Pa.

■ Applications are now open to college and university faculty members for places in the Oak Ridge Research Participation Program for 1957. Administered by the Oak Ridge Institute of Nuclear Studies in cooperation with Oak Ridge National Laboratory, the Research Participation Program is designed to disseminate scientific and technical information to educational institutions by enabling faculty members to spend varying amounts of time, usually the three summer months, conducting research in Oak Ridge laboratories. The participant's salary at Oak Ridge is equivalent to his university salary. Application blanks for summer appointments in 1957 may be obtained by writing to the University Relations Division, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn. Forms must be returned by 15 Dec.

■ The training program for steroid biochemistry that is being sponsored by the National Institutes of Health for the Public Health Service [*Science* 124, 482

(14 Sept. 1956)] has announced that the application date for postdoctoral and predoctoral awards will be extended from 1 Nov. to 15 Nov. Inquiries should be sent to Dr. Frank Ungar, Worcester Foundation for Experimental Biology, Shrewsbury, Mass.

■ The National Science Foundation has announced the award of 50 postdoctoral fellowships for advanced study and research in the natural sciences. These were allocated during the second award period for postdoctoral fellowships. Of this group, 25 were senior postdoctoral fellowships for scientists who have held the doctoral degree for 5 years and have demonstrated unusual ability and special aptitude for productive scholarship. The remaining 25 awards were made in the foundation's regular postdoctoral fellowship program, primarily to recent recipients of the doctoral degree.

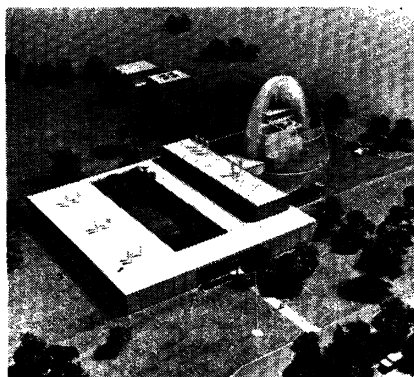
Twenty-two of the awards announced were in the life sciences, ten in chemistry, ten in physics, four in mathematics, two in earth sciences, one in engineering, and one in the area of convergence between the natural and social sciences. These fellowships are in addition to the 895 fellowships awarded by the foundation in March 1956. The National Science Foundation has reopened its senior postdoctoral program and its regular predoctoral and postdoctoral fellowship programs for additional awards for the academic year 1957-58.

In the Laboratories

■ The Laboratory of Microchemistry, Teaneck, N.J., founded by Carl Tiedcke, celebrated its 25th anniversary on 1 Nov.

■ The National Noise Abatement Council's first award for outstanding contributions to the field of noise control has been presented to Armour Research Foundation of Illinois Institute of Technology. A certificate of merit was presented during the recent National Noise Abatement Symposium in recognition of the foundation's noise control research and for its cooperation with the NNAC in originating the symposium "to foster the exchange of ideas in noise abatement technology." Armour's survey of city noises in Chicago during the middle 1940's was one of the first such studies to be made.

■ Ten corporations have formed a new company, Industrial Reactor Laboratories, Inc., to build and operate a privately owned nuclear reactor for industrial research in atomic energy at Plainsboro, N.J. The companies participating are Atlas Powder Company, AMF



Model of proposed plant for Industrial Reactor Laboratories, Inc.

Atomics Incorporated (subsidiary of American Machine and Foundry Company), American Tobacco Company, Continental Can Company, Corning Glass Works, National Distillers Products Corporation, National Lead Company, Radio Corporation of America, Socony Mobil Oil Company, and United States Rubber Company. Each participant is represented on the new company's board of directors, which will be headed by Gen. Walter Bedell Smith, president, and H. L. Hilyard, vice president; Smith is chairman and president of AMF Atomics, and Hilyard is treasurer of American Tobacco.

■ Because of the increasing number of inquiries on availability and prices of application-exempt quantities of radioisotopes, the U.S. Atomic Energy Commission Isotopes Division wrote to several commercial suppliers to request information on availability of iodine-131 and phosphorus-32. The division has prepared a leaflet listing the companies that plan to dispense application-exempt quantities of these materials. Several firms also make available application-exempt quantities of other radioisotopes. Other companies offering this type of service are invited to send data to the Isotopes Division, AEC, Oak Ridge, Tenn., for inclusion in revisions of the leaflet.

Miscellaneous

■ Interscience Publishers, Inc., New York, will be the United States agents for a new journal, *Nuclear Instruments*, that is to be published by the North-Holland Publishing Company, Amsterdam, the Netherlands. This journal on accelerators, instrumentation, and techniques in nuclear physics will be edited by K. Siegbahn of the Institute of Physics, University of Uppsala, Sweden, with the aid of a 38-member editorial board that consists of representatives from many different countries. The journal will be pub-

lished bimonthly, beginning in November, and will contain original papers, short notes, survey articles, progress reports, news items, and book reviews.

The subscription rate is \$17 a year for a volume of approximately 360 pages. Further information may be obtained from Interscience Publishers, Inc., 250 Fifth Ave., New York 1, N.Y.

■ The University of Kansas has prepared a large nomograph for finding K_{O_2} and K_{CO_2} of Warburg manometers over a range of 0 to 50°C and 0 to 6 ml of added fluid. Scientists may obtain copies, which measure 25 in. by 21 in., by sending a request to either Frederick E. Samson, Jr., or Nancy A. Dahl, Department of Physiology, University of Kansas, Lawrence, Kan.

■ The Institute of Laboratory Animal Resources (National Academy of Sciences-National Research Council), under a contract with the Cancer Chemotherapy National Service Center (National Cancer Institute) and in cooperation with commercial mouse breeders, is establishing a series of minimum standards for mouse breeding nutrition, distribution, sanitation, caging, and genetics. These standards will be used in a voluntary program of accreditation for breeders.

A Committee on Standards of the institute, under the chairmanship of T. C. Byerly, is supervising the definition of the standards. George L. Wolff of the Cancer Chemotherapy National Service Center has been assigned to the NAS-NRC to administer the program.

■ The November issue of *The Scientific Monthly* includes the following articles: "Seismology and the U.S. IGY program," A. P. Cray; "On going berserk: a neurochemical inquiry," Howard D. Fabing; "Path of atoms through generations," George Hevesy; "Social science techniques: a problem of power and responsibility," Edward Gross; "Chemical research and education in Japan," Bun-ichi Tamamushi.

In the "Science on the March" section appears a picture spread of the U.S. Naval Radiological Defense Laboratory in San Francisco. In addition, letters comment on the vanishing sea turtles, documentation in the service of science, and pseudonyms. Eight books are reviewed.

■ *Glycerine—Terms, Tests, Technical Data*, a new 19-page booklet describing the commercial grades, definitions, specifications, test methods, and shipping and storage requirements of glycerine, has just been issued by the Glycerine Producers' Association, 295 Madison Ave., New York 17, N.Y.