

travel, housing, subsistence, and other expenses incident to the course, will be awarded by the Organization of American States in accordance with recommendations of a special selection committee. Applicants must possess at least the equivalent of a B.S. degree in physics and have an excellent command of the Spanish language. Preference will be given to candidates engaged in university teaching, training, or research.

Instruction will be given by the staff of the permanent Institute of Physics of San Carlos de Bariloche and by visiting professors from leading universities throughout the hemisphere. Director of the institute is Jorge Sabato, who is also director of the Division of Metallurgy of the Argentine National Atomic Energy Commission and a professor of physics at the University of Buenos Aires.

Interested individuals may send a resume of their education and experience to Dr. Jesse D. Perkinson, Division of Science Development, Pan American Union, Washington, D.C. Resumes must be received on or before 4 December.

News Briefs

The National Science Foundation has announced the award of grants totaling about \$9.2 million to 33 colleges and universities to support Academic Year Institutes for science and mathematics teachers. This will be the fifth year of this program, which was organized to help teachers increase their knowledge in their subject areas through a year of advanced study on a full-time basis. Approximately 1600 experienced teachers will be enrolled in the institutes in the 1960-61 academic year; of these the great majority will be secondary-school teachers. In 4 years, 3400 science and mathematics teachers have participated in the institutes.

A scientific conference on disposal of radioactive wastes resulting from the peaceful uses of atomic energy will be held at the Oceanographic Museum in Monaco from 16 to 21 November. The conference will be cosponsored by the International Atomic Energy Agency and the United Nations Educational, Scientific, and Cultural Organization, with the active cooperation of the Food and Agriculture Organization. The meeting is intended to familiarize geol-

ogists, oceanographers, and fisheries experts with problems involved in the disposal of nuclear wastes and to enable them to discuss specific questions with atomic-energy specialists.

The Third Venezuelan Geological Congress will take place in Caracas, Venezuela, 22-29 November. This is the first such meeting to be held since 1938. The agenda establishes commissions in various areas, including general geology, stratigraphy, applied geology, petrogeny, and tectonism and sedimentation. The meeting is being promoted by the Venezuelan Society of Geologists; it is sponsored by the Ministry of Mines and Hydrocarbons, Division of Geology. For information write to Mr. Anibal R. Martinez, Jersey Production Research Co., 1133 N. Lewis Ave., Tulsa 10, Okla.

A group of students from the United Arab Republic is arriving in Canada to undertake scientific studies in Canadian universities. The students, who are all at the postgraduate level, will study physics, chemistry, electrical and civil engineering, metallurgy, soil science, soil chemistry, and botany. All their expenses will be paid by the government of the U.A.R., which asked Canada's help in the education program shortly before the start of the current academic year.

The American Epilepsy Federation, a new lay epilepsy organization, was formed in Milwaukee on 13 September. The federation, composed of 23 affiliates in 11 states, represents an effort to unite all existing lay societies into a single cohesive unit. The federation's president is Mrs. Albert Grass of Quincy, Mass.

The proceedings of the Sixth Midwestern Conference on Fluid Mechanics and the Fourth Midwestern Conference on Solid Mechanics, meetings which were held jointly at the University of Texas, 9-11 September, are available at \$12.50 per volume from the Engineering Institutes, Division of Extension, University of Texas, 18th and Red River Streets, Austin, Tex.

Sanitary Engineering Manpower has been issued by the U.S. Public Health Service. The data for the survey were gathered in cooperation with the National Science Foundation's scientific and engineering manpower unit. The

32-page pamphlet provides a collective picture of the age, education, professional experience, years of service, kind and type of employment, income, and related characteristics of approximately 4000 sanitary engineers, a group which represents almost two-thirds of the total estimated number of such engineers in the country. The report, PHS publication No. 703, may be obtained from the Government Printing Office, Washington 25, D.C.

The Council on Library Resources, Inc., has granted \$72,965 to the Brookings Institution for a survey of federal departmental and agency library facilities. Luther H. Evans, former director general of UNESCO, will serve as senior consultant for the project, which will be under the direction of Charles A. H. Thompson of Brookings. This survey will be the first major over-all appraisal of federal library facilities. Results of the study will be published early in 1961.

Arid Lands Research Newsletter, reporting current activities in all disciplines concerned with research on arid regions and with emphasis on western North America, will be published by the Committee on Desert and Arid Zones Research of the AAAS Southwestern and Rocky Mountain Division. News for publication and requests for copies of the *Newsletter* should be sent to the Editor, Richard B. Woodbury, Department of Anthropology, University of Arizona, Tucson.

The Society of Women Engineers will have its headquarters on the third floor of the United Engineering Building that is being built at United Nations Plaza in New York. It is hoped that the prestige gained by the society through its new headquarters in the Engineering Center will accelerate the development of wide-scale interest in engineering as an attractive profession for young women.

The indexing activities of the American Medical Association and the National Library of Medicine will be conducted in the future on a coordinated basis. Beginning with the issue for January 1960, the National Library of Medicine will publish monthly issues only of a new medical index to be called the *Index Medicus*. The American Medical Association will publish annual cumulations of the index, to be

known as the *Cumulated Index Medicus*. Subscriptions for the *Index Medicus* will be handled by the Superintendent of Documents, Government Printing Office, Washington 25, D.C., as is customary for all government publications; the *Cumulated Index Medicus* will be sold and distributed separately by the American Medical Association.

* * *

A new publication series has been founded, the *Occasional Papers of the C. C. Adams Center for Ecological Studies*. The first number will appear in late 1959 or early 1960. Those interested in being placed on the mailing list should write to Thane S. Robinson, director, C. C. Adams Center for Ecological Studies, Western Michigan University, Kalamazoo, Mich.

* * *

The Mellon Institute, Pittsburgh, Pa., has opened a major addition, the Bushy Run Laboratories located some 25 miles east of Pittsburgh. The new facilities consist of the Chemical Hygiene Building and the Radiation Research Building, the first two in a series of proposed special buildings, each devoted to a particular field of scientific investigation.

* * *

Wittenberg College, Springfield, Ohio, has announced that the name of the institution has been changed to Wittenberg University.

Scientists in the News

R. Hill, of the School of Biochemistry, University of Cambridge, England, will be a visiting professor during the winter term of 1960 in the department of chemistry, Oregon State College, Corvallis. He will lecture in biochemistry and will conduct a research project on biological oxidation.

The Christopher Columbus International Award for outstanding achievement in telecommunications was presented 12 October to **Brig. Gen. David Sarnoff**, chairman of the board of Radio Corporation of America, **E. W. Engstrom**, senior executive vice president, and **V. K. Zworykin**, honorary vice president of RCA.

Boston College has appointed **Robert L. Becker** to its department of physics as associate professor. He has been assistant professor at the University of Kentucky.

Recent honorary degrees include the following.

Harold Jefferson Coolidge, director, Pacific Science Board, National Academy of Sciences—National Research Council, from George Washington University.

William C. Steere, director of the New York Botanical Garden, from the University of Montreal.

Richard E. Shope, member of the Rockefeller Institute, **Karl F. Meyer**, veterinary medical research investigator, and **Hadleigh Marsh**, veterinary scientist and member of the Montana State College faculty, from the University of Pennsylvania.

Louis Schneider, formerly of Purdue University, has been appointed professor of sociology and head of the department of sociology, University of Illinois, Urbana. He will begin his duties on 15 March 1960. At present, he is visiting professor of sociology at Dartmouth College.

New appointments at the U.S. Naval Civil Engineering Laboratory, Port Hueneme, Calif., include the following:

Arthur B. Chilton, director of the Research and Development Division of the Navy's Bureau of Yards and Docks, has become director of the laboratory. He succeeds **Charles J. Merdinger**.

William B. Plum, head of the Thermal Branch of the U.S. Naval Radiological Defense Laboratory, has become head of the newly created Applied Science Department.

E. Vernon Potter, formerly with the Electronics Design Division of the Navy's Bureau of Ships, has become director of the Physics and Electronics Division.

Lorin J. Mullins, on leave of absence as associate professor of biophysics at Purdue University, has been appointed visiting professor of biophysics in psychiatric research at the University of Maryland School of Medicine.

Robert S. Davidow has been appointed as a research associate, and **John Oliver Millham**, as a senior chemist, to the staff of the research department of Philip Morris, Inc. The new appointees have been assigned to the Philip Morris Research Center in Richmond, Va. They had been, respectively, with the Armour Research Foundation and the U.S. Food and Drug Administration.

Van Olin Nicolai has been named associate physicist at Armour Research Foundation of Illinois Institute of Technology.

Franklin G. Liming, director of the Forest Research Center, Central States Forest Experiment Station, Columbia, Mo., has been appointed assistant to the director of the division of forest management research, U.S. Forest Service, Washington, D.C.

Stanley W. Nitzman has been appointed manager of the Atomic Energy Commission's Schenectady (N.Y.) Naval Reactors Operations Office. He succeeds **Jon B. Anderson**, who resigned last May to become deputy director of the New York State Office of Atomic Development.

Paul DeH. Hurd, associate professor of science education at Stanford University, is spending the 1959–60 academic year as educational consultant to the AIBS Biological Sciences Curriculum Study, located on the campus of the University of Colorado.

H. M. Powell, formerly research advisor in the biological division of Eli Lilly and Company, has been appointed research professor of pediatrics, Riley Hospital, Indiana University Medical Center, Indianapolis.

Rufus Oldenburger, School of Mechanical Engineering, Purdue University, has received the International Federation of Automatic Control award for meritorious service.

Bertha A. Klien has been appointed professor of ophthalmology in the department of surgery of the University of Chicago School of Medicine. She had been associate professor of ophthalmology at the university since 1955.

James W. McRae, vice president of the American Telephone and Telegraph Company and chairman of the Army Scientific Advisory Panel, has received the Army's Distinguished Civilian Service Medal for his contributions toward development of a series of small, tactical nuclear weapons.

Arnold J. Lehman, director of the division of pharmacology, U.S. Food and Drug Administration, Washington, D.C., was honored at the fall meeting of the American Society for Pharma-