

Announcements

American Academy Elections

At its 181st annual meeting in Boston, 10 May, the American Academy of Arts and Sciences elected **Hudson Hoagland** as its 31st president. Hoagland, who is executive director of the Worcester Foundation for Experimental Biology, succeeds **Kirtley F. Mather**, professor emeritus of geology at Harvard. The following vice presidents were also elected:

William P. Allis, professor of physics, M.I.T. (mathematical and physical sciences).

Frank M. Carpenter, professor of zoology, Harvard (biological sciences).

Francis Keppel, dean of the Faculty of Education, Harvard (social arts and sciences).

J. P. Elder, dean of the Graduate School of Arts and Sciences, Harvard (humanities).

J. L. Oncley, professor of biological chemistry, Harvard Medical School, was elected secretary.

In addition, 100 new fellows were elected, as well as 34 foreign honorary members from various countries, including Argentina, Australia, Canada, England, France, the Netherlands, Scotland, Spain, Sweden, Switzerland, Israel, Japan, Turkey, and the U.S.S.R.

Courses

A course on **scientific and technical abstracting and indexing** will be offered by Columbia University's School of Library Service during the summer session, 3 July to 11 August. The course will cover various uses to which scientific and technical abstracts are put, types of abstracts suitable for particular uses, techniques of indexing abstracts, and instruction and practice in abstracting. Requirements for admission are a bachelor's degree, some professional experience, and adequate scientific background. (School of Library Service, Columbia University, New York 27)

The Atomic Energy Commission is accepting applications for its 1-year course in **radiation physics and biophysics**, to train college graduates for positions in state, county, or municipal departments that have responsibility for public health and safety in matters dealing with radiation. Beginning in

the fall term of 1961-62, trainees will spend an academic year at the University of Michigan or at Harvard obtaining basic knowledge in this field. They will then go to an AEC installation for 8 to 10 weeks of practical training. There they will work on health-physics problems of monitoring, dosimetry, instrument calibration, shielding, and waste disposal. Employees or potential employees of governmental departments which have responsibility for radiation control are eligible to apply for the course. An applicant should have a bachelor's degree and an adequate background in science (preferably including mathematics through calculus). However, majors in public health who do not fully meet these academic criteria will be considered. Completed applications, letters of reference, and academic transcripts should be submitted by *15 June*. (Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.)

Grants, Fellowships, and Awards

The American Academy of Arts and Sciences is offering three prizes of \$1000, to be awarded annually to the authors of **unpublished monographs**—one each in the fields of the humanities, the social sciences, and the physical and biological sciences. A monograph is defined as a "scholarly contribution to knowledge, too long for an article . . . and too specialized for a general book." The final date for receipt of manuscripts is *2 October*; announcement of the awards will be made in December. (Committee on Monograph Prizes, American Academy of Arts and Sciences, Little Hall 33, Harvard University, Cambridge 38, Mass.)

Funds are available for a limited number of travel stipends to the 5th Pan American Congress of **Endocrinology** to be held in Lima, Peru, 15-21 October. The stipends are for younger investigators wishing to present papers at the congress. Applications, accompanied by an abstract of the paper to be presented, should be received by *15 July*. (Gregory Pincus, Worcester Foundation for Experimental Biology, Shrewsbury, Mass.)

Summer research fellowships of \$500, offered by the Tobacco Industry Research Committee, are available to students in the nation's 90 accredited

medical colleges. The program, now in its 7th year, is designed "to encourage students to make a career in research." Each student fellow is selected by the dean of his medical school and may conduct research in any field of his choice. One student from each medical school may receive a fellowship. Applicants must be qualified to undertake summer or other off-term study under the supervision of experienced scientists.

Scientists in the News

The American Psychiatric Association has awarded the 1961 Hofheimer prize to a team of scientists for studies, carried out at the Columbus Psychiatric Institute of Ohio State University, on the effects of stress on animals. The results of the research indicated that animals which were subjected to stress during the first 2 weeks of life were later sturdier, more emotionally stable, and performed better on learning tasks. The studies were made under the direction of **Benjamin Pasamanick**, professor of psychiatry. Members of the team of scientists are **Seymour Levine**, psychologist; **Morton Alpert**, anatomist; **Carl Cohen**, microbiologist; and **George Lewis**, medical student at Ohio State.

Hampton L. Carson, professor of zoology at Washington University, has been elected a Fulbright research scholar to study population genetics at the University of Melbourne, Australia.

Arthur H. Wolff, assistant chief of the research branch, Division of Radiological Health, U.S. Public Health Service, has been assigned to serve with the Atomic Energy Branch of the U.N. Food and Agriculture Organization, in Rome, as a special consultant on radioactive materials in food and agriculture. He will set up training programs on radioactivity and food hygiene in coordination with the World Health Organization and the International Atomic Energy Authority.

Five health physicists have been named recipients of Atomic Energy Commission special fellowships for advanced training, administered by the Oak Ridge Institute of Nuclear Studies. The fellowships are for 1 year of advanced study leading to the Ph.D. degree in disciplines closely related to health physics. The recipients are **James C. Couchman**, Convair, Fort Worth;

Richard L. Lehman, Lawrence Radiation Laboratory, University of California; **Vaughn C. Moore**, University of Minnesota Hospitals; **Richard D. Neff**, Tison-Pease Co., Los Angeles; and **Donald Willhoit**, University of Pittsburgh.

Leslie B. Arey, anatomist and professor emeritus at Northwestern University Medical School, has been named an adviser to the Laboratory of Perinatal Physiology, San Juan, Puerto Rico. The laboratory is part of the National Institutes of Health.

Leona Baumgartner, associate professor of pediatrics at Cornell Medical College and commissioner of health, New York City, and **Roger Revelle**, dean of the University of California's School of Science and Engineering and director of the Scripps Institution of Oceanography, have been named members of the Advisory Council for the Peace Corps.

Howard J. Teas has been appointed head of the recently created Agricultural Bio-Sciences Division of the Puerto Rico Nuclear Center, University of Puerto Rico, Mayaguez. He was previously associate professor of botany at the University of Florida Agricultural Experiment Station.

B. P. Pal, director of the Indian Agricultural Research Institute, New Delhi, has been awarded the first Rafi Ahmed Kidwai memorial prize for agricultural research. He received the award for his work in breeding rust-resistant varieties of wheat.

Stephen J. Angello, project manager of Westinghouse Electric Corporation's new products laboratories, has been named visiting Mackay professor of electrical engineering at the University of California, Berkeley.

Robert M. Hexter, senior fellow of the Mellon Institute, Pittsburgh, has received a Guggenheim fellowship and a Fulbright grant to engage in research on the electronic and vibrational spectra of molecular crystals at the Israel Institute of Technology, Haifa.

John S. Boyce, Jr., forest pathologist with the Southeastern Forest Experiment Station, Asheville, N.C., will join the University of Georgia's department of plant pathology and plant breeding on 1 July.

Four Westinghouse scientists have been named to participate in the newly established Westinghouse academic leave program, which permits selected laboratory personnel to carry out individually planned research and study at a university or nonprofit institution of their choice anywhere in the world.

B. S. Chandrasekhar, physicist, will become a visiting scientist at Imperial College, London.

Kan Chen, engineer, will conduct research in systems engineering at Stanford.

Donald P. Gaver, mathematician, will teach and carry on research in probability theory and statistics at Stanford.

Stanley L. Ruby, nuclear physicist, will hold a research fellowship at the Israel Atomic Energy Commission's research reactor establishment and at the Weizmann Institute, Rehovoth.

Irving H. Siegel, formerly a member of the senior staff of the President's Council of Economic Advisers, has been appointed chief of the new Military Economics and Costing Division of Johns Hopkins University's Operations Research Office.

Sam E. Stephenson, assistant professor of surgery, and **Grant W. Liddle**, associate professor of medicine, at Vanderbilt University, have been appointed associate directors of the university's Clinical Research Center.

Oswald K. Sagen, formerly chief of special studies in the U.S. National Health Survey, has been appointed chief of the National Office of Vital Statistics and assistant director of the National Center for Health Statistics, U.S. Public Health Service.

Edward A. Adelberg, chairman of the University of California's department of bacteriology, has been appointed professor of microbiology and chairman of the department at the Yale University School of Medicine.

Lawrence Z. Freedman, fellow at Stanford University's Center for Advanced Study in the Behavioral Sciences, has been named to a new professorship at the University of Chicago—that of research professor of psychiatry. He will head an intensive psychiatric study of nonconformist behavior. The project was established with a grant from the Foundations' Fund for Research in Psychiatry.

Thelma C. Heatwole, patent liaison officer for the Philip Morris Company, has been honored by the Virginia Academy of Science for her leadership of the Junior Academy of Science over a 10-year period.

Georg von Békésy, member of the faculty of Harvard University, has received the gold medal of the Acoustical Society of America for his research on the function of the human ear.

Peter G. Meek, administrator with the National Society for Crippled Children and Adults, has been appointed executive director of the National Health Council.

Yoshio Tanaka, research associate with the Geophysics Research Directorate, Air Force Cambridge Research Laboratories, Bedford, Mass., has been selected as the Guenter Loeser memorial lecturer for 1961. He was selected in recognition of his contributions to molecular spectroscopy, especially to knowledge of the structure of atmospheric gas molecules.

John S. Toll, chairman of the University of Maryland's physics department, has been elected chairman of the Federation of American Scientists. Other officers elected are **Peter G. Bergmann** (professor of physics, Syracuse), vice-chairman; **William C. Davidson** (Argonne National Laboratories), secretary; and **M. Stanley Livingston** (M.I.T.), treasurer.

Recent Deaths

Charles F. Crampton, 32; assistant professor of pathology and biochemistry, College of Medicine, University of Florida; formerly associated with the Rockefeller Institute; 23 Apr.

Hugo Roesler, Philadelphia; 62; cardiologist and associate professor of medicine at the Temple University Medical Center, Philadelphia; specialized in x-ray studies of the cardiovascular system and in electrocardiography; 26 Apr.

Frederick R. Wulsin, 68; anthropologist and member of the Secretary of the Army's advisory panel; 26 Feb.

Erratum. In the article "Behavioral thermoregulation," by B. Weiss and V. G. Laties [*Science* 133, 1338 (28 Apr. 1961)], the third sentence of the legend to Fig. 5 (p. 1341) should have read "Rats 2-1, 4-NN, and 0-1 were also run at an intensity setting of 75 watts." In the published article, rat 3-1 was erroneously included in the list given in this sentence.