

## Announcements

The Greek government has established a Democritus Research Center in Athens for advanced studies in **physics and the philosophy of science**. Visiting foreign professors, in addition to the center's permanent staff, will conduct courses selected after a study of comparable programs in the United States and England. Officials are hopeful that eventually the center might be "adopted" by an American institution that would assume supervision of teaching standards and participate in doctoral examinations. At present, the granting of graduate degrees is a prerogative of the Athens, Athens Polytechnic, and Thessaloniki universities.

An organizational group for a **national commission on space activities** has been formed by the Brazilian government. The group will implement a space program outlined in a recent report of the presidential committee which emphasized Brazil's potential, because of its geographical location, for supplying meteorological data and an equatorial site for launching communication satellites. The new commission, organized under the National Research Council, is reported to be under civilian control. Any subsequent military aspects of space research will be a responsibility of the armed forces.

The National Institutes of Health bulletin No. 183 on **typhus fever**, which describes studies made during World War II by the Division of Infectious Diseases, has been reprinted and is currently available. (C. C. Shepard, Communicable Disease Center, Atlanta 22, Ga.)

The Air Force Office of Scientific Research has established a **Directorate of Information Sciences** to reduce the time lag between discovery of new knowledge and its useful application. The directorate, consisting of an information sciences research division and a technical information division, is headed by Harold Wooster, of AFOSR's Directorate of Mathematical Sciences.

Abstracts of papers presented at the **10th Pacific Science Congress**, held in Honolulu from 21 August to 6 September 1961, are now available in a single volume (\$3). The Congress' full *Pro-*

*ceedings* volume—containing reports of the committees, records of Congress plenary sessions, the resolutions, attendance lists, and other data—will be published in late 1962. (Bishop Museum Press, Honolulu 17, Hawaii)

### Courses

Harvard University is sponsoring a research seminar on **science and public policy**, intended for personnel experienced in government or private-industry research or administration. Candidates will be expected to contribute to the study of problems involved in the application of science to the formulation and determination of public policy, and in the financing and administration of scientific research. Tuition for the 1962–63 academic year is \$1520.

Several fellowships, covering tuition and a major share of living expenses, are available to candidates who are not eligible for training at government expense. Deadline: *15 March*. (Registrar, 123 Littauer Center, Harvard University, Cambridge 38, Mass.)

A 2-week summer course in the use of **information theory in science and engineering** will be conducted at Dartmouth from 25 June to 6 July. The course is designed to acquaint engineers, scientists, and business administrators with a new approach to probability and statistical inference. (Myron Tribus, Dartmouth School of Engineering, Hanover, N.H.)

Washington University's 1962 **traveling seminar in health education** is scheduled to leave Los Angeles on 14 June. Participants will visit schools, hospitals, and health centers in Japan, Formosa, Hong Kong, Thailand, Burma, India, Pakistan, Egypt, Israel, Turkey, and Greece. (Gwendolyn Drew, Box 188, Washington University, St. Louis 30, Mo.)

A doctoral program in the departments of **bacteriology, botany, and zoology** has been established at Brigham Young University. Research in specialized areas of the biological sciences—such as taxonomy, ecology, entomology, and herpetology—are particularly facilitated by the locale. (R. H. Walker, College of Biological and Agricultural Sciences, Brigham Young University, Provo, Utah)

### Meeting Notes

An international symposium on the **implications of organic peroxides in radiobiology** will be held from 7 to 9 May in Argonne, Ill. The symposium, sponsored by Argonne National Laboratory, will cover the production and effects of peroxides in living tissues, and their possible production by radiation and role in cancer and mutations. (Robert N. Feinstein, ANL, Division of Biological and Medical Research, Argonne, Ill.)

An international symposium on **theoretical interpretation of upper atmosphere emissions** will be held from 25 to 29 June in Paris. The symposium will cover auroral and airglow problems, with emphasis on the relationship of these emissions to the physics of the atmosphere and magnetosphere. The number of formal papers will be limited. (J. W. Chamberlain, Yerkes Observatory, Williams Bay, Wis.)

A conference on **self-organizing information systems** will be held in Chicago from 22 to 24 May. The conference, jointly sponsored by the Office of Naval Research and the Armour Research Foundation, will cover the evolution of self-organizing systems, with particular emphasis on research progress during the past 3 years. (George T. Jacobi, Armour Research Foundation, 10 W. 35th St., Chicago 16)

A conference on the **transfer of calcium and strontium ions across biological membranes** will be held from 13 to 16 May 1962 at Cornell University. The purpose of the meeting is to present current knowledge on basic aspects, and contemporary information on physiological, biochemical, and nutritional factors which influence this movement. (R. H. Wasserman, Department of Physical Biology, New York State Veterinary College, Cornell University, Ithaca, New York)

The 4th annual **reading conference** at Syracuse University will be held from 25 to 29 June 1962. The program will include lectures, demonstrations, workshop sessions, and discussion meetings concerning the improvement of reading instruction in the schools. Graduate and undergraduate credit is available for

those who register for a prescribed schedule of conference activities. (Roy A. Kress, Annual Reading Conference, 508 University Place, Syracuse 10, N.Y.)

The 1962 **Conference on Thin Films**, sponsored by the University of Denver's Research Institute, will be held in Denver 29 and 30 August. Sessions will cover magnetic films, epitaxial growth, and general film properties, with emphasis on the underlying physics of film formation. Deadline for receipt of 300- to 600-word abstracts: *1 April*. (R. B. Feagin, Research Institute, University of Denver, Denver 10, Colo.)

### Grants, Fellowships, and Awards

The National Cancer Institute is sponsoring training programs at Clark University and the University of Utah in the theoretical and methodological aspects of **steroid biochemistry**. Postdoctoral awards carry annual stipends of \$5500. Predoctoral awards (at Clark only) carry 6-month stipends of \$1800. Deadline: *1 April*. (Kristen Eik-Nes, Department of Biochemistry, University of Utah, Salt Lake City; or William R. Nes, Department of Chemistry, Clark University, Worcester, Mass.)

Young researchers are invited to apply for a \$500 award in **biological psychiatry**, presented on the basis of unpublished, recently accomplished work in the field. Part of the award, sponsored by the Society of Biological Psychiatry, is to be used for traveling expenses to the society's annual meeting. The winning paper will be published in volume 5 of *Biological Psychiatry*. Deadline for receipt of manuscripts (4 copies): *31 March*. (Harold E. Himwich, Galesburg State Research Hospital, Galesburg, Ill.)

Applications are being accepted for the 1961-62 Thomas Alva Edison fellowship for graduate research in the **patent and related systems**. The recipient of the \$3000 fellowship, awarded by the Patent, Trademark, and Copyright Foundation of George Washington University, will follow an approved research program under the supervision of the foundation. Deadline: *1 April*. (Patent, Trademark, and Copyright Foundation, GWU, Washington 6, D.C.)

Applications are being accepted for the Kenneth Craik award for **post-graduate research**—preferably in physiological psychology. The award, sponsored by St. John's College, Cambridge, amounts to £500 per year and is renewable up to 3 years. Deadline: *1 April*. (Master, St. John's College, Cambridge, England)

Contributors to the development and establishment of **analytical methods in agricultural chemistry** are eligible to apply for the Harvey W. Wiley award, sponsored by the Association of Official Agricultural Chemists. The \$500 award, plus a maximum traveling allowance of \$150, will be presented for methods of analysis of soils, fertilizers, pesticides, plants, feeds, foods, colors, cosmetics, or drugs, as well as for methods in general analytical chemistry. Nominees, either individual or group, should be residents of North America. Deadline: *1 April*. (Secretary, AOAC, Box 540, Benjamin Franklin Station, Washington 4, D.C.)

A limited number of traineeships for graduate-level study of **air pollution** are being offered by the U.S. Public Health Service. The awards carry 12-month stipends of \$4800, \$3600, and \$3000 for postdoctoral, postmaster's, or postbachelor's trainees, respectively, plus \$360 for each dependent. Deadline for training in the academic year beginning in September 1962: *1 May*. (Maurice Bender, Division of Air Pollution, U.S. Public Health Service, Washington 25, D.C.)

The Gravity Research Foundation is accepting entries for the 1962 awards for 1500-word essays on **gravity**—what it is, how it works, and how it may be controlled for practical application. The five awards range from \$100 to \$1000. Deadline for receipt of essays (two carbon copies), 100-word abstracts, and a short biographical sketch of the author: *16 April*. (G. M. Rideout, GRF, New Boston, N.H.)

Registered full-time undergraduate students in the United States are eligible to apply for engineering awards in **arc-welded designing of machines or structures**. The program offers 46 awards, totaling \$10,000, for the best papers explaining how the efficient use of welded steel in the design of ma-

chinery or structures has, or can, improve performance or appearance, or reduce cost. Deadline: *25 June*. (Secretary, James F. Lincoln Arc Welding Foundation, P.O. Box 3035, Cleveland 17, Ohio)

The American Heart Association is accepting applications for the \$500 Howard W. Blakeslee awards for outstanding reporting on the **heart and blood-vessel diseases**, published or produced between 1 March 1961 and 28 February 1962. Entries submitted by local media will be considered apart from those submitted by national wire services, syndicates, or radio-TV networks, and will be eligible for awards in separate categories. Deadline: *1 May*. (AHA, 44 E. 23rd St., New York 10)

### New Journals

*Photochemistry and Photobiology*, vol. 1, No. 1, Jan. 1962. A. D. McLaren, Ed. Pergamon Press, Headington Hill Hall, Oxford, Eng. Quarterly. \$20 per year (organizations); \$10 per year (individuals).

*ISA (Instrument Society of America) Transactions*, vol. 1, No. 1, Jan. 1962. L. E. Bollinger, Ed. Plenum Press, Inc., 227 W. 17 St., New York 11. Quarterly. \$15 per year (nonmembers); \$10 per year (members).

*Applied Optics*, vol. 1, No. 1, Jan. 1962. J. N. Howard, Ed. Optical Society of America, 1155 15th St., NW, Washington, D.C. Bimonthly.

*Information Storage and Retrieval*, vol. 1, No. 1, 1962. J. Farradane, Ed. Pergamon Press, Inc., 122 E. 55 St., New York 22. Quarterly. \$20 per year (organizations); \$10 per year (individuals).

*Productivity*, vol. 1, No. 1, Jan. 1962. D. R. Woodley, Ed. Pergamon Press, Headington Hill Hall, Oxford, Eng. Bimonthly. \$10 per year.

*Bulletin of the Cancer Institute*, vol. 1, No. 1, Aug. 1961. Y. Hamazaki, Ed. Cancer Institute of Okayama University Medical School, Okayama, Japan.

*Journal of the Atmospheric Sciences*, vol. 1, No. 1, Jan. 1962. R. Jastrow and N. A. Phillips, Eds. American Meteorological Society, 45 Beacon St., Boston 8, Mass. Bimonthly.

*International Science and Technology*, Conover-Mast Publications, 205 E. 42 St., New York 17. Monthly.

## Scientists in the News

**Mina Rees**, dean of graduate studies at City University of New York and a member of the AAAS Board of Directors, has received the first distinguished service award of the Mathematical Association of America.

**Richard G. Young**, former science editor and educational consultant for Holt, Rinehart and Winston in New York, has been appointed science editor for Science Research Associates in Chicago.

**Herman F. Mark**, director of the Polymer Research Institute at the Polytechnic Institute of Brooklyn, will receive the Society of Plastics Engineers' first international award in plastics science and engineering.

**Ernst J. Plotz**, associate professor at the University of Chicago School of Medicine, has been appointed chairman of the department of obstetrics and gynecology at the Albany Medical Center.

**Olivier Heroux**, a member of the Canadian National Research Council, will spend a 1-year leave of absence as the first scientist-in-residence at the U.S. Naval Radiological Defense Laboratory in San Francisco.

**James H. Gardner**, vice president of National Research Corporation in Cambridge, Mass., will take a leave of absence to serve as deputy director of research and engineering in the Department of Defense.

**Philip N. Hess**, a project manager with General Electric Company, has been appointed a senior scientist in the electron tube division research laboratory of Litton Industries in San Carlos, Calif.

**Merton P. Lamden**, associate professor of biochemistry at the University of Vermont's College of Medicine, is spending the current academic year at the University College London (England).

**Robert S. Woodbury**, associate professor of history of technology at Massachusetts Institute of Technology, is the first recipient of the \$1000 Abbott Payson Usher award, sponsored by the Society for the History of Technology.

**Hobart M. Kraner**, associate director of ceramics research with the Bethlehem Steel Company, is the 1962 recipient of the American Ceramic Society's Albert V. Bleiniger award.

**Karson J. Master**, senior pharmaceutical scientist with Vick Division Research Laboratories, has been appointed assistant research director of Westwood Pharmaceuticals in Buffalo, N.Y.

**Hamilton F. Niss**, former assistant professor of microbiology at Syracuse University, has been appointed a senior microbiologist in Eli Lilly and Company's antibiotic fermentation development department.

Recent awards of the Institute of Aerospace Sciences:

**Robert R. Gilruth**, director of the National Aeronautics and Space Administration's Manned Spacecraft Center in Houston, Tex., has won the \$5000 Louis W. Hill space transportation award.

**Douglas G. Harvey**, a project engineer for Martin Marietta Corporation's Nuclear Division in Baltimore, Md., has won the Lawrence B. Sperry award for his work on the SNAP nuclear auxiliary power plant.

**Charles E. Goshen**, a director of community psychiatry with the Maryland State Department of Mental Hygiene, has been appointed associate professor of psychiatry at West Virginia University.

**Joseph H. Hendlon**, research psychologist at the National Institute of Mental Health, has joined the faculty of the Stanford University School of Medicine as associate professor of psychology.

**John A. King**, former director of research for Armour and Company, has been appointed manager of research and development at American Cyanamid Company's agricultural division.

**Ben T. Goda**, formerly an engineering section head for Telemeter Magnetics, Inc., has joined Electronic Memories, Inc., in Los Angeles, as senior staff engineer.

**William B. Kouwenhoven**, emeritus professor of surgery at Johns Hopkins University, has won the 1961 Edison medal of the American Institute of Electrical Engineers.

**Alexander I. Popov**, dean of the College of Liberal Arts and Sciences at Northwestern Illinois University, has been appointed chairman of Michigan State University's department of chemistry, effective 1 July. He succeeds **Laurence L. Quill**, who resigned in January 1961.

**Juan C. Montermoso**, former chief of the Quartermaster Research and Engineering Command's elastomers branch, has been appointed director of research at R. E. Darling Company in Bethesda, Md.

**Lowell S. Pelfrey**, of International Rectifier Corporation in El Segundo, Calif., has been named director of research and development for Trans-Sil Corporation, a subsidiary of Raytheon Company.

## Recent Deaths

**Martin H. Fischer**, 82; emeritus professor and director of the department of physiology at the University of Cincinnati College of Medicine; 19 Jan.

**Charles Gilman**; meteorologist with the U.S. Weather Bureau since 1949; 25 Jan.

**Clayton P. Harley**, 65; retired horticulturalist with the U.S. Department of Agriculture; 22 Jan.

**John R. Hutcheson**, 76; former president and chancellor of Virginia Polytechnic Institute; 23 Jan.

**H. Fraser Johnstone**, 59; professor of chemical engineering at the University of Illinois; 8 Jan.

**Elliott P. Joslin**, 92; specialist in diabetes and former Harvard Medical School faculty member; 29 Jan.

**Karoly Lassovszky**, 64; staff member of the Smithsonian Astrophysical Observatory and former director of Budapest University's Astronomical Institute; 20 Dec.

**Peter S. Olmsted**, 37; assistant professor of physiological chemistry, obstetrics, and gynecology at Temple University School of Medicine; 15 Jan.

**John E. Orchard**, 68; emeritus professor of economic geography at Columbia University; 28 Jan.

**William D. Strong**, 62; Loubat professor of archeology at Columbia University; 29 Jan.

**William F. G. Swann**, 77; physicist and emeritus director of the Franklin Institute's Bartol Research Foundation; 29 Jan.