

ponents of change was its subordination to the Welfare Administration. Particularly among the lobbies and assorted groups that deal with and represent the elderly themselves, there was a long-standing resentment against the tendency to equate aging with dependency, a connotation that the link with welfare promoted. Even among the state agencies whose links with the old office might have been jeopardized, support for the new system was strong; almost all gave it either overt or covert endorsement. In the end, the opposition made very little splash. In the Senate, the bill was passed by voice vote, without audible dissent. In the House, there was a single "nay."—ELINOR LANGER

Announcements

The **Pharmaceutical Manufacturers Association** has announced the establishment of a foundation "to promote the public health through scientific and medical research." The Pharmaceutical Manufacturers Association Foundation, Inc., has three main purposes: to plan and initiate scientific and medical research activities; to collect and disseminate to the public results of these activities; and to provide financial aid to selected individuals or educational institutions, or corporations' trust funds, or foundations whose purposes are scientific, educational, or charitable. The PMAF will be governed by a seven-man board of directors chosen from PMA's 29-member board. It received an initial grant of \$25,000 from PMA, and other methods of funding are to be discussed at the first board meeting. The first chairman of the foundation is E. Gifford Upjohn, chairman of the board, the Upjohn Company, Kalamazoo, Michigan.

The University of Washington will offer a graduate program in **astronomy**, beginning with the fall quarter. The department will be headed by George W. Wallerstein, former associate professor at the University of California, Berkeley. Courses will be offered on the solar system, stellar atmospheres, stellar interiors, and galactic and extragalactic astronomy. Related courses will also be offered by other departments. Teaching assistantships and research assistantships are available, each with stipends of \$2520. Additional information on the program is available from the Department of Astronomy, University of Washington, Seattle.

Meeting Notes

The 20th annual meeting of the Society of **General Physiologists** is scheduled 1–4 September at the Marine Biological Laboratory, Woods Hole, Massachusetts. A symposium on the specificity of cell surfaces will include invited papers on bacterial cell walls, cell membranes, and models and tools. In addition, contributed papers are invited on other areas of physiology. (R. Milkman, Department of Zoology, Syracuse University, Syracuse, New York 13210)

The International Federation for **Documentation** (FID) will hold its 1965 congress 10–15 October in Washington. Symposia are scheduled on education and training of documentalists; organization of information for documentation; information needs of science and technology and of society; and principals of documentation and systems design. Deadline for advance registration: *15 September*. (Secretariat, 1965 FID Congress, 9650 Wisconsin Avenue, Washington 20014)

The call for papers has been issued for the 23rd Pittsburgh **diffraction** conference, scheduled for 3–5 November. Papers may be on any aspect of diffraction, crystallography, or crystal physics. Abstracts of up to 400 words are required. Deadline: *17 September*. (B. R. Banerjee, Crucible Steel Company, 234 Atwood, Pittsburgh, Pa. 15213)

The fourth international **aerospace instrumentation** symposium will be held at the College of Aeronautics, Cranfield, England, next 21–24 March. The meeting is sponsored by the college and the Instrument Society of America aerospace industry division. Papers are invited for presentation at the meeting. Abstracts of 300 to 500 words are required. Deadline: *15 September*. (E. K. Merewether, ISA Aerospace Industry Division, 4515 Canoga Avenue, Woodland Hills, California)

The school of environmental and planetary sciences of the University of Miami, Florida, is planning two symposia, to be held in Coral Gables in November. The first, on **electromagnetic sensing of the earth from satellites**, will be held 22–24 November, cosponsored by the American Meteorological Society and the American Geophysical Union. It will include discussion of the sensing of terrains and ocean surface

properties, of ice and snow, the atmosphere, atmospheric gases, clouds, and particulate matter. Emphasis will be on the infrared and microwave regions. Contributed papers are invited. Deadline for receipt of abstracts: *1 September*. (EM Sensing Symposium, P.O. Box 8131, Coral Gables, Florida 33124)

The 18th **gaseous electronics** conference will be held in Minneapolis, Minnesota, 20–22 October, sponsored by the American Physical Society. Papers are invited on engineering applications and specific devices. Deadline for receipt of abstracts: *3 September*. (L. M. Chanin, Honeywell Research Center, 500 Washington Avenue S., Hopkins, Minnesota)

The call for papers has been issued for the fifth **electric propulsion** conference, sponsored by the American Institute of Aeronautics and Astronautics, 7–9 March in San Diego, California. Papers are invited on mission or system studies, and on research, development, and engineering of thrusters and related components. Abstracts of 500 words are required, in triplicate. Deadline: *13 September*. (A. T. Forrester, Electro-Optical Systems, Inc., 300 North Halstead St., Pasadena, California 91107)

The 1966 national **telemetry** conference is scheduled for 10–12 May in Boston. Papers are invited on both technology and applications, with special emphasis on those reporting uses of aerospace telemetry technology in applications to industrial, biomedical, and oceanographic telemetry systems. Abstracts of 500 to 1000 words are required, in duplicate. Deadline: *15 September*. (F. Nieman, NASA Electronics Research Center, 575 Technology Sq., Cambridge, Massachusetts 02139)

A conference on **plasmadynamics** will be held at the U.S. Naval Postgraduate School, Monterey, California, 2–4 March. The sponsors are the American Institute of Aeronautics and Astronautics and the American Physical Society. The object of the meeting is to present experimental results that provide improved delineation between prediction and accomplishment in plasmadynamics. Papers on laboratory, flight, or astrophysical experiments are invited. Four copies of 500- to 1000-word abstracts are required. Deadline: *15 September*. (H. Stine, Magnetoplasmadynamics Branch, NASA Ames Research Center, Moffett Field, California)

Tokyo will be the site of the sixth international symposium on **space technology and science**, scheduled 29 November to 4 December. Topics to be covered include the following: propellants and propulsion; vehicles; space electronics; space science, medicine, biology, and law; systems engineering and national space programs. Papers are invited; they should be presented in English, although other languages are acceptable if accompanied by an interpreter's translation into English. Deadline for receipt of abstracts of 100 words: *10 September*. (D. Mori, Institute of Space and Aeronautical Science, University of Tokyo, 856 Komabamachi, Meguro-ku, Tokyo)

Courses

Wayne State University will offer a course on **nonlinear oscillators** 8–17 September in Detroit. The topics to be discussed include phase plane analysis, stability criteria, iterative and approximate methods, and applications to engineering problems. Applicants must have a bachelor's degree in engineering, science, or mathematics; attendance will be limited to 30. The fee is \$275. (H. K. Sachs, Department of Engineering Mechanics, Wayne State University, Detroit, Michigan 48202)

Rochester Institute of Technology will present its third annual course in "**photographic process** as a scientific instrument," 13–17 September in Rochester, New York. The program is designed to aid engineers and scientists in applying photography to the acquisition of data in many areas. (A. DeWinter, Extended Services Division, Rochester Institute of Technology, Rochester, New York 15608)

Scientists in the News

The University of Florida has appointed **Clyde M. Williams** professor and chairman of the department of radiology in the college of medicine. He had been an associate professor.

John W. Findlay, deputy director at the National Radio Astronomy Observatory, Green Bank, West Virginia, has been appointed director at the Arecibo Ionospheric Observatory, operated in Puerto Rico by Cornell University. He will serve for a year, beginning this

fall. He will replace **William E. Gordon**, who will return to his position at Cornell as a professor of electrical engineering.

George F. Stewart, formerly chairman of the department of food science and technology at the University of California, has been named director of the university's recently established toxicology center. The facility is part of the division of agricultural sciences, and has its headquarters on the Davis campus.

St. Louis University has announced the appointment of **Robert E. Olson** as professor and head of the biochemistry department in the school of medicine, effective 1 September. He is now head of the department of biochemistry and nutrition at the University of Pittsburgh graduate school of public health.

Howard P. Jenerick has been appointed chief of the research grants branch, National Institute of General Medical Sciences. He had been chief of the special research resources branch, in the NIH Division of Research Facilities and Resources.

Gifford K. Johnson, former president of Ling-Temco-Vought, Inc., has been elected president of the Graduate Research Center of the Southwest, Dallas.

Frank W. Putnam, head of the department of biochemistry at the University of Florida medical school, has been named director of the Indiana University Division of biological sciences, effective 1 September.

The Department of Agriculture has appointed **W. Dayton Maclay** director of the research program development and evaluation staff, replacing Marion W. Parker, who became associate administrator of the Agricultural Research Service in March. Maclay has been assistant administrator for utilization research and development in ARS.

Harry Polachek, editor of the journal *Mathematics of Computation* and former technical director of the Navy's applied mathematics laboratory at David Taylor Model Basin, has joined the division of research of the U.S. Atomic Energy Commission, as a specialist in mathematics and computer technology.

Temple University has appointed biochemistry professor **Robert C. Baldrige** to the recently created position of associate dean of the graduate school. He will be responsible for the administration of graduate affairs at the health sciences center, which includes the schools of medicine, dentistry, pharmacy, medical technology, and nursing.

Donald C. Morrisey, formerly in charge of the development test program for the Vernier rocket system of the surveyor spacecraft, at Hughes Aircraft, has become chief of rocket engine development at Rocket Research Corporation, Seattle, Washington.

The U.S. Coast and Geodetic Survey has appointed Captain **Lawrence W. Swanson** project manager of its geodetic satellite program. He has been assistant director in charge of the C&GS Office of Physical Sciences in Washington.

Benjamin Lax, associate director of the M.I.T. Lincoln Laboratory, Lexington, Mass., has been appointed professor of physics at M.I.T. He will continue in his post of director of the school's National Magnet Laboratory in Cambridge.

The American Nuclear Society recently announced the appointment of **David A. Sundberg** as editor of its publication, *Nuclear News*. He had been editor of *The Atom*, an employee magazine of Los Alamos Scientific Laboratory.

Washington University has appointed **George W. Hazzard** associate provost, to take office this summer. He is now manager of the research personnel section at the General Electric Research Laboratory, Schenectady, N.Y.

The university has also announced that **David M. Gates**, professor of natural history and curator of ecology at the University of Colorado's University Museum and Institute of Arctic and Alpine Research, has been appointed professor of botany, and director of the Missouri Botanical (Shaw's) Garden, starting 1 September.

Erratum: In the report "Actinomycin D inhibition of vitamin D action" by J. E. Zull, E. Czarnowska-Misztal, and H. F. DeLuca (9 July, p. 182), the last sentence of the first paragraph in column 1, p. 184, should have concluded "... once the protein induced by vitamin D and the messenger RNA for this protein were degraded."