

Announcements

The Optical Society of America has begun a program to try to remedy the national **manpower shortage in optics**. The project is the result of a study by a six-member ad hoc committee headed by Van Zandt Williams, vice president for technical development at Perkin-Elmer Corp., Norwalk, Conn. The study showed that while the need for trained workers in the various areas of optics (particularly in engineering) is increasing rapidly, colleges and universities are failing to emphasize the field in their academic programs. The OSA action program is aimed at increasing the number of people trained in optics, through efforts to improve college teaching and research training for undergraduates and graduates, and to train optics technicians for work with both research and engineering personnel. Williams is chairman of the task force to implement and coordinate the project.

Scientists interested in **genetics literature** are invited to participate in a survey to test the new *Genetics Citation Index*, a bibliography developed by the Institute for Scientific Information, Philadelphia. Participants will test the Index against literature related to their area of subject interest. They will receive complimentary copies of the book, comprising 1-year, 5-year, and 14-year coverage of the literature at different levels of inclusiveness. Deadline for analysis of the test is late September. Further information is available from the Genetics Citation Index Study, Science Communication, Inc., 1079 Wisconsin Ave., NW, Washington, D.C.

Grants, Fellowships, and Awards

Fellowships in physiology and biophysics in **aerospace medicine** are available at the University of Kentucky Medical Center. They are offered in cooperation with the U.S. Air Force Aerospace Medical Research Laboratory, and combine use of the university's facilities with those of Wright-Patterson Air Force Base. The fellowships are designed for postdoctoral fellows, teachers taking a year's sabbatical leave, or engineers studying biomedical problems. (Dept. of Physiology and Biophysics, Medical Center, Univ. of Kentucky, Lexington)

Massachusetts Institute of Technology has announced a new Ph.D. program in **oral science**, to begin in September under a grant from the National Institute of Dental Research. The program is open to graduate students in both chemistry and dentistry. Stipends are available; for dental graduates they start at \$6500 per year, and for chemistry graduates, at \$4080. Allowances for dependents are provided. (N. S. Scrimshaw, Dept. of Nutrition and Food Science, M.I.T., Cambridge, Mass.)

The **American Heart Association** offers research support for studies to be conducted during the fiscal year beginning 1 July 1964. The awards will include:

Established investigatorships, for scientists who have demonstrated a "capability of conducting independent research." Stipends of \$8500 to \$12,500 per year are usually for 5 years, subject to annual review.

Advanced research fellowships for 1 or 2 years are for postdoctoral scientists who have at least 1 year's full-time training or experience. Annual stipends are \$6500 to \$8600.

Both types of award include allowance for dependents, and a grant to the recipient's institution for use by his department head. Deadline for receipt of applications: *15 September*. (Director for Research, American Heart Association, 44 E. 23 St., New York 10)

Fellowships for **study or research** in foreign countries are available for the 1964-65 academic year through the Institute of International Education (IIE). The grants cover tuition and full or partial maintenance for one person. Participating nations include Austria, Denmark, France, Germany, Israel, Italy, Mexico, the Netherlands, Poland, Sweden, Switzerland, and Yugoslavia. U.S. government grants for travel only are available to supplement the fellowships from some of the countries. Applicants must be U.S. citizens, hold a bachelor's degree or the equivalent, and be able to speak, read, and write the language of the host country. Age limit for most of the fellowships is 35 years. Students now in a college may obtain more information from the Fulbright program adviser on campus; at-large applicants may contact IIE. Deadline for applications: *1 November*. (Counseling Div., IIE, 800 Second Ave., New York 17)

Scientists in the News

Hidden T. Cox, formerly long-range planning officer at the American Institute of Biological Sciences, will become coordinator of research and professor of biology, Long Beach State College, California, effective 1 September.

The University of Oregon has appointed **Albert Norris**, formerly associate professor of psychiatry at State University of Iowa, associate professor of psychiatry; and **John B. Isom**, former research fellow in neurophysiology at Massachusetts General Hospital, associate professor of pediatrics and medicine.

Maxine Singer, of the Laboratory of Biochemistry and Metabolism, National Institute of Arthritis and Metabolic Diseases, has received the Iota Sigma Pi Research award for her work on the mechanism of action of the enzyme polynucleotide phosphorylase.

Robert J. Collins, on leave from the Bell Telephone Laboratories to work with the Institute for Defense Analyses, Washington, has been appointed professor of physics and electrical engineering at the University of Minnesota, effective in September.

Frank Hammond Krusen, recently retired senior consultant at the Mayo Clinic section of physical medicine and rehabilitation, has been named professor of physical medicine and rehabilitation in the Temple University medical school.

George E. Lindsay, director of the San Diego Natural History Museum in Balboa Park, California, has been appointed director of the California Academy of Sciences, San Francisco, effective 2 October at the retirement of Robert C. Miller.

Nello Pace, physiology professor from the University of California, Berkeley, has been named special consultant for the life sciences program at NASA.

Charles Regan Williams, managing director of the Liberty Mutual Insurance Company's Hopkinton, Mass., research laboratory, has become professor of applied industrial hygiene at Harvard University.