

HUGH R. LEAVELL, professor of public health practice and assistant dean at the Harvard School of Public Health, has been granted a year's leave of absence to serve as adviser to the Government of India on problems of community sanitation and child and maternal health. Leavell, who left on 30 Mar., will serve under a grant given by the Ford Foundation to the Indian government. Two health educators, CLAUDIA GALIHER of Washington, D.C., and MARY CHAMPLIN of Pittsburgh, Pa., will work with him in India.

From headquarters in New Delhi, Leavell will help organize a program for training Indian health workers and for evaluating ways in which the cooperation of Indian villagers can best be attained in community health projects. At the same time he will be searching for means to further the teaching of foreign students in the Harvard School of Public Health.

R. B. BRIGGS was appointed director of the Homogeneous Reactor Project at Oak Ridge National Laboratory on 1 Mar. He was formerly associate director of the ORNL Reactor Experimental Engineering Division. He succeeds J. A. SWARTOUT, who has served as director of the homogeneous reactor project since 1951. Swartout will continue his association with the project as chairman of the steering committee.

WENDELL E. REED, project engineer for the Solar Aircraft Company, San Diego, Calif., was awarded the Wright Brothers medal by the Society of Automotive Engineers at its national aeronautical meeting in New York on 10 Apr. His paper "A new approach to turbojet and ramjet engine control," given at SAE's national meeting in Los Angeles last October, was judged the best presentation on aeronautics in 1955. In it Reed described a more reliable control for aircraft gas turbine power plants.

JOSEPH C. AUB, professor of medical research at Harvard Medical School and director of medical laboratories at the Collis P. Huntington Memorial Hospital, has received the Bertner Foundation award for 1956.

Established in 1950 in honor of the late E. W. Bertner, first acting director of M. D. Anderson Hospital and Tumor Institute and the first president of the Texas Medical Center, the award is presented annually for outstanding contributions in the field of cancer research.

CARROLL E. PALMER and LAURENCE IRVING, of the U.S. Public Health Service, were awarded honorary degrees by the University of Oslo, Oslo, Norway, on 13 Mar. The degree, doc-

tor medicinae honoris causa, is awarded by the university once in 5 years to distinguished foreigners.

Palmer, a physician, has spent the major part of his life in research on tuberculosis and other infections of the lung. He has been working recently on the development of a specific preventive for tuberculosis. Irving, a physiologist, has conducted extensive research on methods of adapting human life to arctic temperatures.

EDWARD R. WEIDLEIN retired on 31 Mar. from the Mellon Institute, with which he has been associated for more than 40 years, most recently as president. Following his retirement, he will spend several months in Europe on a Federal Government mission. He will remain on the board of trustees of the institute and will be available to advise on the administration of the institute's research programs.



The author of a large number of scientific papers and articles on industrial research achievements, opportunities, and management, and, with William A. Hamor, of two popular works, Weidlein has received much recognition for his contributions, including many honorary degrees. During World War II, he held a number of wartime and governmental positions. He is deeply interested in all matters pertaining to the improvement of his home city, Pittsburgh, and its environs.

As president of the Mellon Institute, an endowed, nonprofit organization, Weidlein has been cognizant of the research conducted there in chemical and physical technology; in the pure sciences, especially physical chemistry; and in the welfare of the professions concerned. He has also been closely associated with the industrial fellowship system at the Mellon Institute since its formation in 1907, when he was an undergraduate at the University of Kansas.

## Recent Deaths

ARMAND W. ANGULE, Upper Darby, Pa.; 55; professor of anatomy at Hahnemann Medical College and Hospital; 21 Feb.

ARTHUR A. BLANCHARD, Brookline, Mass.; 79; former professor of chemistry at Massachusetts Institute of Technology; 25 Mar.

BURGHARD BREITNER, Innsbruck, Austria; 72; head of the surgical department of Innsbruck University from 1932-56; 27 Mar.

WILLIAM CHRISTIANS, Philadelphia, Pa.; 52; professor of geography at the University of Pennsylvania; 13 Mar.

EUGENE C. CRITTENDEN, Washington, D.C.; 75; retired associate director of the National Bureau of Standards; U.S. representative on the International Committee on Weights and Measures from 1946-54; 28 Mar.

JOHN H. GIBBON, SR., Philadelphia, Pa.; 84; professor emeritus of surgery at Jefferson Medical College; 13 Mar.

JOHN C. LYNCH, Bridgeport, Conn.; 93; retired adjunct professor of neurology and mental diseases at New York Post Graduate Medical School; 23 Mar.

HARRY SODERMAN; 53; Tangier; Swedish criminologist and former head of the Institute of Police Science at the University of Stockholm; 16 Mar.

SYDNEY WEINTRAUB, Tappan, N.Y.; 61; professor of clinical radiology at Cornell University Medical College; 24 Mar.

EDMUND T. WHITTAKER, Edinburgh, Scotland; 82; royal astronomer of Ireland, 1906-12; professor of mathematics at Edinburgh University, 1912-46; Hitchcock professor at the University of California, 1934; 24 Mar.

## Education

■ The Raytheon Manufacturing Company has established a graduate study program to enable its outstanding employees or prospective employees who are science and engineering graduates to pursue a program of study leading to a master's degree.

Students who are completing their undergraduate studies as candidates for a bachelor's degree in science or engineering may apply in expectation of becoming employees prior to entering the graduate program.

The program grants will include full tuition, fees, book allowance, and a salary while in residence at school equivalent to research assistant salaries afforded individuals employed by the schools. This salary is currently in the neighborhood of \$240 per month.

Those interested in applying for this program of study are invited to request further information and application forms from Dr. Ivan A. Getting, Vice President, Engineering and Research, Raytheon Manufacturing Company, Waltham 54, Mass.

■ Two Norelco X-ray Diffraction Schools will be sponsored by the Instrument Division of North American Phillips Company, Inc., during coming months. The 24th weeklong series of sessions will be held at the Hotel Morrison, Chicago,

Ill., 4-8 June. The 25th series of sessions is scheduled for 24-28 Sept. at the Sir Francis Drake Hotel, San Francisco, Calif.

Morning sessions will be devoted to lectures and afternoon meetings will involve laboratory demonstrations with the latest type of equipment. This work will include powder camera techniques, the x-ray diffractometer (diffraction goniometer), and the x-ray spectrograph (fluorescence analysis).

On Friday, several speakers will discuss details and methods that are in use in industrial plants and laboratories. No registration fee is charged, and those who wish to attend are urged to register as soon as possible, since accommodations will be limited. For information, write to the North American Phillips Company, Inc., 750 S. Fulton Ave., Mount Vernon, N.Y.

### Grants, Fellowships, and Awards

■ Final details of the organization of Atoms for Peace Awards, Inc., have been announced by James R. Killian, Jr., president of Massachusetts Institute of Technology and chairman of the new corporation. This is the first organization set up to make international awards for outstanding contributions to the peaceful uses of atomic energy.

The awards are made possible by a \$1 million appropriation of the Ford Motor Company Fund, as a memorial to Henry Ford and his son, Edsel Ford. The awards were first announced in Geneva, Switzerland, during last summer's International Conference on the Peaceful Uses of Atomic Energy [*Science* 122, 372 (26 Aug. 1955)]. A summary of details of organization and award-making procedures follows:

- 1) Winners each year will be selected from individuals or organizations anywhere in the world, that, in the opinion of the trustees, have made the greatest contributions to the peaceful uses of atomic energy.

- 2) The award will consist of a medal, accompanied by a cash honorarium of up to \$75,000.

- 3) The decision of the trustees will be made solely on the basis of the merit of the contributions, wherever found in the world.

- 4) If the trustees fail to discover a candidate "preeminently meriting" the award in any year, the award and medal may be withheld during that year. In that event, the trustees "may hold the funds available for additional Awards in future years or dispose of that year's funds by grants in the United States of America to advance the science or technology relating to the uses of atomic energy for peaceful purposes."

Trustees of Atoms for Peace Awards, Inc., in addition to Killian, are Detlev W. Bronk, president of the Rockefeller Institute for Medical Research and president of the National Academy of Sciences; Ralph J. Bunche, Under Secretary of the United Nations; Arthur H. Compton, professor and former chancellor, Washington University; Mildred McAfee Horton, former president of Wellesley College, and wartime director of the WAVES; Mervin J. Kelly, president of Bell Telephone Laboratories; and Alan T. Waterman, director of the National Science Foundation.

Nominations for the awards will be received from individuals and organizations, including learned societies, in any part of the world. Appraisals will be based on freely available information, not on classified or secret data.

An advisory committee on nominations, appointed by the trustees from citizens of the United States, will screen candidates and make recommendations for the awards to the trustees, who will make the final selection. Members of the advisory committee are Robert F. Bacher, physicist, director of the Norman Bridge Laboratory at the California Institute of Technology; Robert F. Loeb, professor of medicine at Columbia University; Robert Lovett, general partner, Brown Brothers Harriman and Company, former Under Secretary of State and Secretary of Defense; I. I. Rabi, professor of physics at Columbia University, winner of the Nobel prize in physics (1944); and Charles A. Thomas, president, Monsanto Chemical Company. All questions on nominating procedures should be addressed to the Executive Secretary, Atoms for Peace Awards, Inc., 77 Massachusetts Ave., Cambridge 39, Mass., U.S.A.

■ Imperial Chemical Industries, Ltd., publishers of the quarterly scientific review *Endeavour*, have offered the sum of 100 guineas to be awarded as prizes for essays submitted on a scientific subject. Because the primary purpose of these awards is to stimulate younger scientists to take an interest in the work of the British Association for the Advancement of Science and to raise the literary standard of scientific writing, the competition is restricted to those whose 25th birthday falls on or after 1 June.

Five prizes will be awarded: a first prize of 50 guineas, a second prize of 25 guineas, a third prize of 15 guineas, and two special prizes of 5 guineas for competitors who have not passed their eighteenth birthday on 1 June.

The subjects for the essays are as follows: (i) research in polar regions; (ii) scientific aids to archeology; (iii) the story of steel-making; (iv) the chemistry of big molecules; (v) new elementary

particles, and (vi) the control of plant diseases.

The essays, which must be in English and typewritten, should not exceed 4000 words in length; only one entry is permitted from each competitor. The latest date for receipt of entries is 1 June 1956. The essays will be judged by the editor of *Endeavour* in consultation with representatives of the British Association. The successful competitors will be invited to attend the whole of the Sheffield meeting, at which the prizes will be presented, and their expenses within the United Kingdom will be paid. In judging the essays, special attention will be paid to the originality of the approach to the subject, and great importance will be attached to literary style. The competitor's age will also be taken into account. The essay winning the first prize will be published in *Advancement of Science*, journal of the British Association.

The essays must be submitted without signature. The competitor's full name and address and date of birth should be disclosed in a sealed covering letter attached to the essay and addressed to: The Assistant Secretary, British Association for the Advancement of Science, Burlington House, Piccadilly, London, W.1.

■ The American Cancer Society has announced that its program of clinical fellowships will continue through 1957-58, with fellowships beginning 1 July 1957. Fellowships will be made available primarily to teaching institutions whose postgraduate specialty training programs are approved by the Council on Medical Education and Hospitals of the American Medical Association.

The deadline for filing applications is 1 May. No application forms are necessary, but letters of application should include (i) number of fellowships applied for; (ii) funds available to the institution from other sources for partial support of fellows; (iii) specialty contemplated for the fellow's training; (iv) name of person under whose supervision the fellow will be trained and to whom he will be directly responsible; (v) date the fellowship will begin; and (vi) a thorough documentation of the training the fellow will receive at the institution, including facilities available.

Clinical fellowships in radiation therapy are offered to properly qualified graduates in medicine who wish to have additional training at certain clinics in the United Kingdom, the Scandinavian countries, and France. Applicants must be citizens of the United States, under 40 years of age, who have previously received training in therapeutic radiology acceptable to the American Board of Radiology as credit toward certification.

The annual stipend is \$4500 per year,