

WILBUR E. KELLEY, former manager of the New York Operations Office of the U.S. Atomic Energy Commission, and since 1953 vice president in charge of engineering for Catalytic Construction Company, Philadelphia, Pa., has been elected president of the Walter Kidde Nuclear Laboratories, Inc., Garden City, N.Y. He succeeds HENRY K. NORTON, president since the company's formation in 1952, who will continue as a member of the board of directors.

HOMER W. SMITH, chairman of the department of physiology at New York University College of Medicine, delivered the annual Jean Redman Oliver lecture at the State University of New York College of Medicine in Brooklyn on 15 Mar. He discussed "The development of modern renal physiology."

HUGH C. LONGUET-HIGGINS, professor of theoretical chemistry at the University of Cambridge, Cambridge, England, has been named Arthur D. Little visiting professor of chemistry at the Massachusetts Institute of Technology for the spring semester. During his stay at M.I.T., he will deliver a series of special lectures on the application to chemistry of modern physical theories of atomic and molecular structure.

ALEX J. STEIGMAN, chairman of the department of pediatrics, University of Louisville, has been appointed special consultant to the Communicable Disease Center of the Public Health Service, Department of Health, Education and Welfare.

RICHARD JOHN BING, professor of experimental medicine and of clinical physiology, and director of the cardiac clinic at the Medical College of Alabama, has been appointed chief of the Washington University Medical Services at the Veterans Hospital and professor of medicine at the Washington University School of Medicine.

ARNOLD M. SMALL, former head of the human factors division at the Navy Electronics Laboratory, has accepted a position with Convair, a division of General Dynamics Corporation, San Diego, Calif., as head of reliability and human engineering functions in the engineering department.

HENRY W. BROSN, director of the Western Psychiatric Institute and Clinics and professor and chairman of the department of psychiatry, University of Pittsburgh School of Medicine, is spending a sabbatical year at the Center for Advanced Study in the Behavioral Sciences, Stanford, Calif.

RAYMOND T. BOWMAN was sworn in 28 Feb. as representative of the United States on the Statistical Commission of the United Nations. Since April 1955, Bowman has served as assistant director for Statistical Standards, Bureau of the Budget.

WILLIAM von FISCHER, for the past 8 years head of the department of chemistry and chemical engineering at Case Institute of Technology, has been appointed coordinator of research and development for the Glidden Company, Cleveland, Ohio. Fischer, who is the editor of *Paint and Varnish Technology* and coeditor of *Organic Protective Coatings*, will assume his new position at the close of the present academic year.

ARTHUR A. BAKER has been made associate director for the U.S. Geological Survey. Baker has served as administrative geologist in the office of the director since June 1953 and has served with the Geological Survey continuously since 1921.

CHARLES S. HANES, professor of biochemistry at the University of Toronto, has been appointed Walker-Ames professor in the department of biochemistry, University of Washington (Seattle), during the spring quarter of 1956. Hanes will deliver a series of advanced lectures dealing with enzymatic transfer reactions, mechanism of enzyme action, and the cytological localization of enzymes.

Recent lecturers at the medical school of Washington University in St. Louis include the following.

HARRY GRUNDFEST, associate professor of neurology at the College of Physicians and Surgeons, Columbia University, delivered the first George H. Bishop lecture in Experimental Neurology on 24 Feb. He discussed "Bioelectricity in the nervous system." Bishop, in whose honor the lecture has been established, is professor emeritus and lecturer in neurophysiology at Washington University School of Medicine.

HUGO THEORELL, chairman of the biochemistry department at the Nobel Institute in Stockholm, Sweden, discussed "Kinetics and equilibria in flavoproteins" on 7 Mar. in a lecture sponsored by the department of biochemistry. Theorell won the 1955 Nobel prize in medicine for research on enzymes.

SIDNEY G. MARGOLIN, professor of psychiatry at the University of Colorado School of Medicine, delivered the third annual E. Van Norman Emery memorial lectures 13 Mar. on the subjects "Influence of psychophysiological states on pathophysiology" and "Psychology of supportive therapy."

HERBERT E. SILCOX has been appointed technical director of the chemical division of Merck and Company. He will be responsible for research and development on processes for existing chemical products, for product application research and technical service, and for chemical control. He will direct the activities of all laboratories serving these functions at the chemical division headquarters at Rahway and at the division's various plants.

## Recent Deaths

ANDRE J. CIPRIANI, Deep River, Ontario, Canada; 47; research director of the biology division of the Chalk River Atomic Energy Plant; 23 Feb.

MARIE H. GLENNON CHARLIER, Chester, N.J.; 43; medical geographer; former professor at Finch College; 20 Feb.

HENRY E. CRAMPTON, New York; 81; professor emeritus of zoology at Barnard College; former curator at the American Museum of Natural History; 26 Feb.

ARNOLD H. KNAPP, New York; 86; professor emeritus of ophthalmology at Columbia University; 29 Feb.

ELMER MERRILL, Jamaica Plains, Mass.; 79; Arnold professor of botany emeritus and former director of the Arnold Arboretum of Harvard University; director of the New York Botanical Garden and professor of botany at Columbia University 1930-35; first American botanist to receive the Linnean Society medal from the Linnean Society of London; vice president of AAAS section G in 1931; 25 Feb.

GERRIT S. MILLER, JR., Washington, D.C.; 84; retired curator of the division of mammals at the Smithsonian Institution; recipient of the Joseph Leydy Medal for distinguished research in the natural sciences; 24 Feb.

JOHN PATTERSON, Toronto, Ontario, Canada; 84; retired chief of the Meteorological Service of Canada; former president of the American Meteorological Society; 22 Feb.

## Education

■ An academic program in solid-state science and technology, leading to the degrees of master of science and doctor of philosophy, has been set up at Syracuse University.

■ The Washington University Child Evaluation Clinic began operation 1 Feb., primarily for the diagnosis and guidance of mentally retarded children. The clinic is supported by funds from the Children's Research Foundation and

the Association for Retarded Children, together with funds from the United Fund given through the association.

■ Boston College will offer a special 2-week intensive course in modern industrial spectrography at Chestnut Hill, Boston, Mass., from 16–27 July. The course is especially designed for those chemists and physicists from industry who want to learn the techniques of emission spectroscopy as an analytic tool.

Information about the course may be obtained from Professor James J. Devlin, Physics Department, Boston College, Chestnut Hill 67, Mass.

■ Future physicians of the Chonnam University Medical College in Kwangju City, South Korea, will be offered the latest methods in American medical education when a group of 5 young Korean doctors complete their special training at New York University–Bellevue Medical Center and return to the faculty of Chonnam University in June.

The doctors were brought to this country by the American Korean Foundation. This program is the first of a series that will bring groups of teaching physicians to this country from Korean medical schools.

■ The U.S. Atomic Energy Commission has authorized the design and development of a high-energy particle accelerator of advanced design by the Midwestern Universities Research Association. It is hoped that the machine will be the finest and most powerful in the world at the time of its completion. Features of the design, including the voltage and beam intensity, have not yet been definitely determined. MURA has the following universities as associated members: University of Chicago, University of Illinois, University of Indiana, University of Iowa, Iowa State College, University of Minnesota, Northwestern University, Notre Dame University, Ohio State University, Purdue University, Washington University (St. Louis, Mo.), and University of Wisconsin.

A five-man planning committee for the project has been named by the institutions. Frederick Hovde, president of Purdue, is chairman, and members are Virgil Hancher, president of the University of Iowa; Alfred W. Peterson, vice president for business and finance, University of Wisconsin; Herbert O. Farber, comptroller, University of Illinois; and John H. Williams, professor of physics, University of Minnesota.

■ The low temperature laboratory at the University of Chicago is to have new quarters. A \$440,000 addition is to be built onto the present Institute for the Study of Metals, of which the laboratory

is a part. The low temperature laboratory, which is under the direction of Earl A. Long, professor of chemistry, has a production line for liquefying helium that can produce seven or eight quarts of helium per hour.

■ The Institute of Mathematical Sciences of New York University offers temporary memberships to mathematicians and other scientists holding the Ph.D. degree who intend to study and conduct research in the fields in which the institute is active. These fields include functional analysis, ordinary and partial differential equations, mathematical physics, fluid dynamics, electromagnetic theory, numerical analysis and digital computing, and various specialized branches such as group theory, topological methods of analysis, hydromagnetics, and reactor theory.

The temporary members will have complete freedom to select their own activities. They may participate in the advanced graduate courses, research seminars, and research projects of the institute and will have the opportunity to use computational facilities. The temporary members will receive a stipend commensurate with their status. Membership will be awarded for 1 year, but may be renewed. Special arrangements can be made for applicants who expect to be on leave of absence from their institutions. Requests for information and for application blanks should be addressed to the Membership Committee, Institute of Mathematical Sciences, 25 Waverly Place, New York 3.

### Grants, Fellowships, and Awards

■ Nominations for the fifth Kimble Methodology research award are being accepted *until 1 June*. This award, which gives recognition to the application of scientific knowledge to the public health laboratory, was established by the Kimble Glass Company of Toledo, Ohio (subsidiary of the Owens-Illinois Glass Company) and is sponsored by the Conference of State and Provincial Public Health Laboratory Directors. The \$500 award and silver plaque will be presented at the annual meeting of the conference to be held in Atlantic City, N.J., in November.

The candidate's work to be considered for nomination should be either (i) a fundamental contribution which serves as a baseline for development of diagnostic methods that fall within the province of the public health laboratory; or (ii) the adaptation of a fundamental contribution to make it of use in a diagnostic laboratory. To be eligible the work must have been completed within the preceding 5 years. However, a series of

investigations on a given subject which extends into the 5-year period will be eligible even though the first study in the series may have been completed earlier.

Nominations may be made by the authors, their associates, or by others. Documentary evidence, and so forth, should not be signed by the nominator. However, the nomination should be accompanied by a letter of transmittal. All nominations should be sent to Dr. Thomas S. Hosty, Bureau of Laboratories, Alabama State Department of Health, Montgomery 4, Ala.

■ The Catholic Institute for Social-Ecclesiastical Research (Netherlands branch office of the International Catholic Institute for Social Research) has announced a \$5000 international essay contest on the population problem of underdeveloped areas. The contest is being supported by the Netherlands daily Catholic paper *De Volkskrant*. The questions that are to be dealt with in a manuscript of at least 50,000 words are as follows:

1) What social, economic and cultural means can be employed to ensure that during the development of the economically and technically underdeveloped areas changes in the social structure will not result in religious and moral disintegration, but that the communities in question will be guided towards a social structure satisfying the requirements of complete human well-being?

2) Assuming that the population increase in these areas will be so rapid as to cast doubts on the efficiency of the means suggested as a solution for No. 1 above, how can the population growth itself be influenced to the extent necessary to guarantee the effectiveness of these means?

Manuscripts, which must comply with the requirements of Catholic principles and at the same time offer a scientific solution to the problem set, must be submitted *before 1 June 1957*.

Members of the jury of award are as follows: Prof. Fernando Bastos de Avila (Rio de Janeiro); Prof. Colin Clark (Oxford); Prof. William Gibbons (Baltimore); Mr. Beltie Shah Gilani (New Delhi); Msgr. John O'Grady (Washington); Mr. Paul David Kidaha Makwaya (Dar-es-Salaam); Prof. H. H. Knaus (Vienna); Canon Prof. Jacques Leclercq (Louvain); Prof. S. de Lestapis (Paris); Prof. J. Mertens (Rome); Prof. Ludwig Neundorfer (Frankfurt); Prof. A. Oldendorff (Nijmegen); Mr. Tatsuki Sakamoto (Tokyo); Dr. Joh. Schauff (Geneva); Prof. G. H. L. Zeegers (The Hague). Further information may be obtained from Prof. G. H. L. Zeegers, Catholic Institute for Social-Ecclesiastical Research, 28–30 Paul Gabrielstraat, The Hague, Netherlands.