

M. S. THACKER, director of the Indian Institute of Science, Bangalore, was appointed director of the Council of Scientific and Industrial Research in New Delhi, effective 3 Aug. In the Republic Day honors last January, Thacker was the recipient of the *Padma Bhushan*, an award for outstanding achievement that is presented by the Government of India.

FRANK W. PUTNAM, formerly a staff member of the Argonne Cancer Research Hospital in Chicago, Ill., has been named to head the department of physiological chemistry of the University of Florida College of Medicine, effective 1 Sept.

The Lebanese Republic awarded a citation and a medal of Knight of the Order of Cedars to HOBART A. REIMANN for medical services to the people of Lebanon during his tenure as visiting professor of medicine at the American University of Beirut.

CHARLES E. LAPPLE, former associate professor of chemical engineering at Ohio State University, and RUDOLF H. THIELEMAN, former development metallurgist for the Pratt and Whitney Aircraft Corp., have joined the chemical and metallurgical engineering section of Stanford Research Institute's physical sciences division. Lapple, as a senior scientist, will organize, coordinate, and direct research activities in the fields of fine-particle technology and chemical engineering. He is a specialist in dust and fume collection, abatement of atmospheric pollution, particle sizing, and the handling of fluids.

Thielemann, who has been appointed senior metallurgical engineer, is a specialist in high-temperature alloys, stress, titanium, and nuclear reactor metallurgy.

WILL E. EDINGTON, former head and now emeritus professor of mathematics and astronomy at DePauw University, has been appointed to the Margaret Pilcher professorship of mathematics at Coe College, Cedar Rapids, Ia., for 1955-56.

F. J. ALLEN of the Purdue University chemistry department has been granted leave for the coming academic year. He will devote part of his time to visiting chemical industries and chemistry departments in colleges and universities throughout the country and part to study at California Institute of Technology and at Oregon State College.

GEORGE C. WEBSTER, former senior research associate in the division of biology, California Institute of Technology, has been appointed associate professor of agricultural biochemistry at Ohio State University.

ELWOOD A. SHARP, authority on blood diseases and director of clinical investigation for Parke, Davis and Co. since 1929, has been promoted to medical assistant to the firm's president, Harry J. Loynd. ELMORE C. VONDER HEIDE, who became associate director of the Clinical Investigation Department in 1937, will succeed Sharp. The department medically evaluates new drugs by means of field tests that are carried out all over the world.

ARTHUR GEORGE ZUPKO, formerly a professor at the St. Louis College of Pharmacy and Allied Sciences, has been appointed associate dean of the Brooklyn College of Pharmacy, Long Island University.

HENRY T. NAGAMATSU, an authority on hypersonic flow problems and for the past 6 years director of hypersonic wind-tunnel research at California Institute of Technology, has been named to the staff of the General Electric Research Laboratory in Schenectady, N.Y. He will conduct hypersonics research in the mechanical investigations section of the chemistry research department.

GEORGE A. AGOSTON, former senior research engineer with California Institute of Technology, has joined the physical sciences division of Stanford Research Institute as a senior physicist. He will conduct research on combustion and fluid dynamics.

BRIAN MACMAHON, lecturer in social medicine at the University of Birmingham, England, has been appointed associate professor of environmental medicine and community health at the State University of New York College of Medicine in Brooklyn. Much of MacMahon's research has involved the study of environmental influences as a cause of congenital defect, notably pyloric stenosis, congenital heart disease, and malformations of the nervous system.

BERTHA A. KLIEN, who previously has been in private practice in Chicago, Ill., has been appointed associate professor of ophthalmology in the University of Chicago department of surgery.

MARSHALL C. HARRINGTON, head of the physics department at Drew University, has resigned to accept a research post with the U.S. Navy at its David Taylor Model Basin in Carderock, Md. He has been assigned to the basin's hydromechanics laboratory, where he will work in the viscous flow section of the fluid dynamics branch. His research activities will be chiefly in theoretical physics, a subject in which he will also teach a course at the University of Maryland.

HERBERT RATTNER, professor and chairman of the department of dermatology at Northwestern University, has been appointed editor-in-chief of the *American Medical Association Archives of Dermatology*.

The Acoustical Society of America has awarded its 1955 gold medal to FLOYD A. FIRESTONE of Dobbs Ferry, N.Y., "in appreciation of his outstanding contribution to the society and to the science of acoustics." A past president of the society, Firestone devised the mobility analogy and invented the ultrasonic reflectoscope.

J. E. CUMMINS has just taken up the duties of scientific attaché for Australia at the Australian Scientific Liaison Office, in Washington, D.C. Previously, for a period of 6 years, he served as chief scientific liaison officer in London. His particular interests are in forest products and in certain aspects of scientific documentation. Cummins succeeds E. J. DRAKE, who has returned to Australia.

CHARLES H. EADES, JR., assistant professor of chemistry at the University of Tennessee Medical Units since 1948, has resigned to join the staff of Meade Johnson Research Laboratories at Evansville, Ind.

The following are among those who have received honorary doctoral degrees this year.

Amherst College: W. MONTAGUE COBB, chairman of the department of anatomy at Howard University Medical School, and a vice president of the AAAS and chairman of its Section H—Anthropology.

Harvard University: GEORGE B. KISTIAKOWSKY, professor of chemistry at Harvard University.

Missouri School of Mines and Metallurgy: F. STILLMAN ELFRID, executive vice president of Olin Mathieson Chemical Corp.

Michigan College of Mining and Technology: MELVIN C. CALVIN, professor of chemistry at the University of California, Berkeley.

Case Institute of Technology: KENT R. VAN HORN, director of research, Aluminum Co. of America.

University of South Dakota: MAURICE NELLES, director of research and diversification, Technicolor Motion Picture Corp.

Necrology

FRANK BERNER, New York, 60, psychoanalytic specialist, former associate at the College of Physicians and Surgeons, 4 Aug.

HENRY E. BLISS, Plainfield, N.J., 85, retired assistant librarian of the City College of New York, developer of a new system of bibliographic classification, author, 9 Aug.

DOROTHY L. BOOK, Boston, Mass., 52, dean of the Boston College School of Social Work, 9 Aug.

FRANK J. BRUNO, Lebanon, Ind., 81, former head of the sociology department of Washington University in St. Louis, 7 Aug.

WILLIAM L. CARLYLE, Calgary, Alberta, Canada, 85, former professor of animal husbandry at the University of Wisconsin, dean of agriculture at Colorado Agricultural and Mechanical College, dean of agriculture at the University of Idaho and director of the United States experimental station in Idaho, acting president of the University of Idaho, and dean of agriculture at Oklahoma Agricultural and Mechanical College, 6 Aug.

JOEL E. DEUTERMAN, Elgin, Ill., 53, cancer research specialist, 7 Aug.

WILLIAM J. HALE, Midland, Mich., 79, retired director of the organic research laboratory of the Dow Chemical Co., author, 8 Aug.

ABRAHAM LIGHTSTONE, New York, 80, surgeon, formerly on the faculties of the New York University and Fordham University medical schools, 6 Aug.

GEORGE W. LUCAS, Detroit, Mich., 46, supervisor of carbide materials and process engineering, Carboly Department of General Electric Co., 28 July.

FREDERICK PEARSON, Williams Bay, Wis., 68, retired head lens grinder at Yerkes Observatory, authority on astronomical optics, 8 Aug.

Education

■ An article in the July issue of the *Plant Science Bulletin* describes one of the difficulties encountered by those seeking university appointments. It is entitled "The responsibilities contingent upon the solicitation of applications," and it is accompanied by an editor's note that says: "This brief paper, submitted by two former graduate students who have recently received their Ph.D. degrees from large state universities . . . and who wish to remain anonymous, presents a viewpoint which might have a message for some academic administrators."

Several abstracts from the article follow:

"One of the anomalies of etiquette is that it is quite improper to call a person's breach of the rules of decorum to his attention. Even if this were not so, however, no [job] applicant in his right mind would dare endanger his position by writing anything but the most discreet note asking whether his application had been received and, possibly, whether or

not it was being considered. . . . The proper acknowledgment of receipt of all applications and supporting papers is the least an administrator can do for the people who have submitted applications, whether they were solicited directly or not. . . .

"Several of us have compared our application correspondence over the past few years and find that . . . [the] 'solicit and forget' attitude is not limited by university size or geographic location. North, east, south or west, the story is commonly the same. . . . The time schedule would often do justice to a sleepy snail. One . . . simple inquiry about an application was made on November 24. The answer was received (via airmail) the following February 12!

"If such treatment is intentional, perhaps as a form of academic natural selection in which only the most stubborn stay in the race, there may be some merit to the procedure. If, on the other hand, this is not the idea behind such treatment we should imagine that . . . chairmen the country over are becoming afraid to look a stranger in the eye—it *might* be that applicant they just never bothered to write. In any event the actions of some administrators on this score certainly cannot be said to be beneficial to our science. Aside from the low salaries, the very least that a prospective colleague should expect from the profession he has chosen is a moderate amount of consideration at a relatively critical point in his career."

■ On 12 Aug. 24 secondary-school teachers of science and mathematics from Alabama, Georgia, Mississippi, and North Carolina received certificates for the successful completion of the first session of an 8-week intensive summer program at Howard University that is supported by the Phelps-Stokes Fund of New York. Each of these teachers was enrolled in astronomy, geology, and science education courses. In addition, each studied two of these four subjects: biology, chemistry, mathematics, and physics.

All courses were especially designed for secondary-school teachers. The group visited government laboratories and museums, and there were four Saturday field trips. The grant of \$50,000 by the Phelps-Stokes Fund to Howard will permit repetition of the program during the summers of 1956 and 1957.

■ The University of Pennsylvania has announced that it will prepare a group of civilian scientists to serve as Air Force operations analysts in event of a major national emergency. Under Air Force contract, the Institute for Cooperative Research at the university will form an "operations analysis stand-by unit" of some 10 to 20 men, drawn mainly from

its own faculties, according to Carl C. Chambers, the university's vice president for engineering affairs and acting director of the institute.

J. Parker Bursk, chairman of the department of economic and social statistics in the university's Wharton School of Finance and Commerce, will be project director. Unit members will include mathematicians, statisticians, engineers, and specialists in the various physical and social sciences. They will devote an average of 40 days annually to indoctrination in operations analysis and Air Force procedures.

Grants, Fellowships, and Awards

■ The Arctic Institute of North America is offering research grants in 1956 for scientific investigations dealing with the arctic and subarctic regions. Priority will be given to field investigations in North America or to studies at one of the institute's offices.

Applications for research grants are invited from those who have demonstrated their ability to conduct research work of superior quality in some field of science. Proposals in the broad field of the earth sciences, in marine biology, and in physiology are especially desired. Facilities of the Arctic Research Laboratory at Barrow, Alaska, are available for a limited number of scientists for both summer and winter investigations. The facilities include both housing and equipment.

Application forms may be obtained upon request from: Arctic Institute of North America, 1530 P St., N.W., Washington 5, D.C. Completed applications should be received *before 1 Nov. 1955*. Late applications will be considered in special circumstances if additional research funds become available.

The Arctic Institute is also in a position to award grants from a sum of money provided by the trustees of the Banting Fund, which is used primarily to encourage Canadians, particularly recent graduates, in northern studies. Inquiries should be addressed to: T. H. Manning, 37 Linden Terrace, Ottawa 1, Ont., Canada.

■ The American Cancer Society is offering a limited number of clinical fellowships to provide graduates in medicine opportunities for postgraduate training that emphasizes diagnosis and treatment of cancer. Fellowships available on and after 1 July 1956 will be awarded for 1 year and are renewable for 2 additional years.

These \$3600 awards are made to *institutions only* upon application by deans, executive officers, or department heads. Therefore, individuals desiring this ACS