

merger became effective immediately; Schering is the surviving corporation. White Laboratories and its subsidiary, Pharmaco, Inc., will continue to operate under their present names. The activities of Schering's proprietary drug subsidiary, Union Pharmaceutical Co., will be merged with those of Pharmaco.

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A program totaling \$25,000 in agricultural grants-in-aid at ten universities and two independent research foundations will be sponsored by the Climax Molybdenum Company during 1957-58. Under this program, agricultural and biological research projects will be conducted on molybdenum as a trace element in an effort to compile additional data on its effect on plant life. Climax has sponsored programs in agricultural research for the past 8 years.

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Controls for Radiation, Inc., is a new firm in Cambridge, Mass., that will provide a comprehensive "package" service covering the broad radiation safety and hazards control aspects of the nuclear industry. William E. Barbour, Jr., founder and former president and chairman of Tracerlab, Inc., is president of the new corporation, and Irving A. Bernstein is vice president and technical director.

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CBS Laboratories, New York, has announced that a new laboratory will be built in Stamford, Conn. The completed project will cost in excess of \$1 million and is expected to be ready for occupancy in the summer of 1958.

Inorganic Chemicals

The Commission on Inorganic Nomenclature of the International Union of Pure and Applied Chemistry has officially adopted the following symbols for chemical elements: Ar, argon; Es, einsteinium; Md, mendelevium; and No, nobelium. The commission has now completed the revision of the 1940 rules for the naming of inorganic chemicals.

Zoological Nomenclature

The International Commission on Zoological Nomenclature has announced that beginning 30 Mar. 1958 it will start voting on the following cases involving the possible use of its plenary powers for the purpose specified against each entry. Full details of these cases will be published on 30 Sept. in the *Bulletin of Zoological Nomenclature* (vol. 13, pt. 9): (i) *Phrynosoma* Wiegmann, 1828, validation (cl. Reptilia, order Squamata); (ii) *Pentila* Westwood, [1851], validation, and designation for, and for *Liptena* Westwood, [1851], of type species (cl. In-

secta, order Lepidoptera); (iii) *Centris* Fabricius, 1804, designation of type species for; *dimidiata* Fabricius, validation (cl. Insecta, order Hymenoptera); (iv) *adspersus* Rathke, 1837 (*Palaemon*), protection (cl. Crustacea, order Decapoda).

A proposal has also been made for the adoption of a "declaration" on the question of the use of the diaeresis sign for zoological names. Comments should be sent as soon as possible, in duplicate, to the secretary of the commission, Francis Hemming, 28 Park Village East, Regent's Park, London, N.W.1, England.

Stricter Exposure Rules

The Atomic Energy Commission may adopt this fall new standards for permissible levels of radiation, to be based on the recommendations of the National Committee on Radiation Protection and Measurement. The recommendations, which for the first time establish standards for average levels of exposure over a period of years, provide standards both for workers in atomic installations and for the population outside atomic installations.

Atomic workers may receive at most an average of 5 rem a year, but as much as 15 rem in any one year. (The rem is defined as a dose of radiation equal in its biological effects to 1 roentgen of high-voltage x-radiation.) The outside population may receive one-tenth this exposure.

Under present AEC standards, instead of a maximum of 60 rem in a 12-year period, atomic workers may receive a total of 180 rem. The outside population may receive up to 1.5 rem a year. However, the levels that have actually been observed by the AEC in its own atomic installations lie within the new standards.

The new standards are planned because of the trend exhibited in recent scientific research. Although the exact effects of radiation on heredity and longevity may not be known for many years to come, evidence is accumulating that continuous low levels of exposure may be dangerous.

One consequence of stricter standards may be an adverse effect on the infant atomic industry, for the requirement of greater safety measures will drive costs up.

Advanced Study

The Public Health Service has announced a new program of financial support for advanced training of research scientists in neurological and sensory disorders, to be conducted by the National

Institute of Neurological Diseases and Blindness, Bethesda, Md.

A previous program, under which about 75 scientists received advanced training during the last fiscal year, was concerned exclusively with clinical training. The new program will also cover such basic sciences as neurochemistry, neuropharmacology, neurophysiology, and neuroanatomy.

Awards will be made for periods of 9 months to 1 year, with possible renewals of 3 years. Stipends may range from \$5500 to \$14,800 a year.

Applicants must have completed either (i) the residency training requirements in a clinical specialty, or its equivalent, or (ii) at least 3 years of pertinent postdoctoral training or research experience. For information write to the Chief, Extramural Programs Branch, National Institute of Neurological Diseases and Blindness, National Institutes of Health, Bethesda 14, Md.

Scientists in the News

CYRIL L. COMAR has been named director of the new laboratory of radiation biology at the Veterinary College of Cornell University, Ithaca, N.Y. Comar was formerly chief of biomedical research at Oak Ridge Institute of Nuclear Studies.

C. G. GOODCHILD, professor of biology at Emory University, has been appointed chairman of the department. He succeeds W. D. BURBANCK, who resigned the position and will be on leave of absence from the department during 1957-58. Burbank's address for the year will be the Marine Biological Laboratory, Woods Hole, Mass.

ALBERT S. HUNTER, former senior soil scientist with the Agriculture Research Service, U.S. Department of Agriculture, and Oregon State College, has been appointed professor of soil technology in the agronomy department of Pennsylvania State University.

The American Society for Metals has announced that the following awards will be made during the society's 39th National Metals Exposition and Congress, which is to be held in Chicago, Ill., 2-8 Nov. 1957.

JOHN CHIPMAN, head of the metallurgical department, Massachusetts Institute of Technology, will receive the Gold Medal and Senior Award for his teaching and research.

ROY C. McKENNA, chairman of the board of Vanadium Alloys Steel Company, Latrobe, Pa., will receive the Gold Medal for the Advancement of Research.

TOKUSHICKI MISHIMA, profes-

sor emeritus at the University of Tokyo, will receive the Albert Sauveur Achievement Award for his work on strong permanent magnets.

JOSEPH B. QUIG, formerly research manager of fibers at E. I. du Pont de Nemours and Company, Inc., Wilmington, Del., has joined Lowell Technological Institute as associate professor of chemistry.

WALTER E. LOOMIS, professor of plant physiology at Iowa State College, has returned from a year spent as agricultural adviser with the International Cooperation Administration in the Middle East.

FREDERICK GUDERNATSCH, who retired in 1945 from active teaching and who is now in charge of the Arctic Aeromedical Bibliographic Service at Cornell University Medical College, recently received an honorary degree from the University of Giessen, Germany, on the occasion of its 350th anniversary. He was honored for his research in endocrinology, especially in the physiology of the thyroid gland.

WARREN E. SNYDER, senior research engineer and supervisor of fluid dynamics in the gas turbine department, General Motors Research Staff, Detroit, Mich., has been appointed manager of the Engineering Division of Midwest Research Institute, Kansas City, Mo.

KENNETH W. SPENCE, head of the psychology department at the State University of Iowa, CARL R. ROGERS, professor of psychology at the University of Chicago, and WOLFGANG KOHLER, professor emeritus at Swarthmore College, Swarthmore, Pa., have been named recipients of the American Psychological Association's Distinguished Scientific Contribution Award.

JOHN J. FLAHERTY has resigned from his post as manager of the Chicago Operations Office of the Atomic Energy Commission. He will become assistant to the general manager of Atomics International, a division of North American Aviation, Inc.

VICTOR C. VAUGHAN, III, former associate professor of pediatrics at Temple University School of Medicine, has been appointed professor and chairman of pediatrics at the Medical College of Georgia.

HEIKKI V. TUOMINEN, formerly chief geologist for the Finnish Ore Company, Helsinki, Finland, has been named associate professor of geology at Lehigh University.

ALAN C. WOODS, professor emeritus of ophthalmology at Johns Hopkins University, will go to the International Congress of Ophthalmology in Brussels, Belgium, next year to receive the 1958 Gonin medal, perhaps the highest honor in the field of ophthalmology.

The medal was established to honor the memory of Dr. Jules Gonin, the Swiss ophthalmologist who developed the technique for repair of detached retinas. Woods is the first American to have been selected for the award since it was set up 20 years ago.

VICTOR A. PHILLIPS, a metallurgist who for the past 2 years has been a member of the faculty at the University of Sheffield in England, has been named to the staff of the General Electric Research Laboratory, Schenectady, N.Y.

RELIS B. BROWN, formerly at Lawrence College, will be visiting associate professor of biology at Vanderbilt University for the academic year 1957-58.

The following scientists will direct the International Geophysical Year projects in Antarctica for the next 18 months: MATTHEW BRENNAN will be in charge of the Ellsworth Station, STEPHEN BARNES will head the Byrd Station, WILLIS TRESSLER will direct the Wilkes Station, and PALLE MOGENSEN will be in charge of the Amundsen-Scott Pole Station. HARRY WEXLER will continue as chief scientist, and ALBERT P. CRARY will remain as station scientific leader at Little America and will continue to serve as deputy chief scientist.

EDWARD R. WOODWARD, former associate professor of surgery at the University of California at Los Angeles, has been appointed professor of surgery and head of the department of surgery at the University of Florida College of Medicine. Woodward is a specialist in clinical work and in the physiology of the gastrointestinal tract.

SHARAT K. ROY, chief curator of geology at Chicago Natural History Museum, has begun a 10-month survey of the world's important meteorite collections. He will proceed first to London and Paris, and then to Frankfurt, Vienna, Helsinki, Calcutta, and perhaps to Moscow.

THOMAS L. AUTH, chief of the neurology service at the Veterans Administration Hospital in Washington, D.C., has been appointed chief of the neurology division at the VA's central office in Washington. He succeeds BENEDICT NAGLER, who left the Veterans Administration on 8 Sept. to

become superintendent of the Lynchburg Training School and Hospital at Colony, Va.

ROBERT S. TIPSON, former senior fellow at the Mellon Institute, Pittsburgh, Pa., has joined the organic chemistry section of the National Bureau of Standards.

BERNARD GREIFER, former member of the Pittsburgh physical research section of the U.S. Bureau of Mines, has joined the staff of the Kinetics and Combustion Group at the Atlantic Research Corporation, Alexandria, Va. Greifer will conduct fundamental and applied research in gaseous and solid combustion processes.

ALBERT I. SCHINDLER of the Naval Research Laboratory has been awarded the laboratory's E. O. Hulburt Award for his contributions to the field of metal physics, particularly his interpretation of the measurements made on the electron transport properties of the nickel-palladium series. This interpretation led to an understanding of certain ferromagnetic phenomena in alloys. The \$300 Hulburt Award was established in 1955 in honor of the laboratory's first director of research on the occasion of his retirement.

Recent Deaths

CHARLES W. CRAWFORD, San Francisco, Calif.; 68; retired commissioner of the U.S. Food and Drug Administration; considered by many to be the father of the present Food, Drug, and Cosmetic Act; 15 Sept.

ELIZABETH I. PARSONS, Atlanta, Ga.; 62; bacteriologist; head of the general diagnostic bacteriology unit of the laboratory branch of the Communicable Disease Center of the U.S. Public Health Service; 6 Sept.

TIMOTHY J. RIORDAN, New York, N.Y.; 62; chief attending dermatologist at St. Vincent's Hospital; clinical professor of dermatology at New York University-Bellevue Medical Center; chairman of the dermatology section, New York Academy of Medicine; attending dermatologist at New York Foundling and St. Elizabeth hospitals, associate dermatologist at Bellevue Hospital, and consulting dermatologist at Lutheran Hospital, Bayonne (N.J.) Hospital, and St. Joseph's Hospital of New York; 17 Sept.

ELIAS SEDLIS, New York, N.Y.; 68; gynecologist; medical director of the Jewish Municipal Hospital in Wilno, Poland, and chief of its gynecology department until 1939; founder of the Society of Jewish Physicians in Italy; came to this country in 1949, but never practiced here; 12 Sept.