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HARVEY C. DIEHL, professor of chemistry at Iowa State College, is the winner of the Fisher award in analytic chemistry, sponsored by the Fisher Scientific Co. of Pittsburgh, Pa. This award of \$1000 and an etching is given to recognize and encourage outstanding contributions to the science of analytic chemistry in the United States or Canada.

MERTON F. UTTER, associate professor of biochemistry at Western Reserve University, has been chosen to receive the \$1000 Paul-Lewis Laboratories award in enzyme chemistry. The prize was established by Paul-Lewis Laboratories, Inc., Milwaukee, Wis.

OTTO M. SMITH, emeritus professor of chemistry and chemical engineering and director of the Research Foundation at the Oklahoma Agricultural and Mechanical College, will be presented with the \$1000 scientific apparatus makers award in chemical education.

CLARENCE E. LARSON has been appointed vice president in charge of research for the National Carbon Co., a division of the Union Carbide and Carbon Corp. He was formerly director of the Oak Ridge National Laboratory, which is operated by Union Carbide for the Atomic Energy Commission. Larson will head all of the National Carbon Co.'s research activities and will be a member of the corporation's research committee. His headquarters will be in Cleveland, Ohio, at the company's new research laboratory that is now under construction.

L. M. CURRIE, former vice president in charge of research, will continue as vice president and will assume new responsibilities involving sales, production, development, and research.

CHARLES L. DUNHAM has been appointed director of the Atomic Energy Commission's Division of Biology and Medicine, effective 1 Oct. He succeeds JOHN C. BUGHER, who will return to the Rockefeller Foundation, where he was recently named director of medical education and public health. Dunham became deputy director of the Division of Biology and Medicine in July 1954. He is succeeded in this post by CHARLES W. SHILLING, who since July has been serving as a special assistant to Bugher [*Science* 122, 409 (2 Sept. 1955)].

WILLIAM E. REYNOLDS, assistant professor of preventive medicine at the Harvard Medical School since 1949, became head of the department of public health and preventive medicine at the University of Washington in Seattle on 1 Sept. He succeeds Leland Powers, who resigned in 1953 to join the medi-

cal faculty of the American University in Beirut, Lebanon. Reynolds' research interests include rheumatoid arthritis, heart disease, and eye diseases in newborn infants.

R. E. BLACKWELDER delivered this summer's Timothy Hopkins lectures at the Hopkins Marine Station of Stanford University. The series of 10 lectures had the general title "Basic biological concepts." Blackwelder recently resigned from the Smithsonian Institution to pursue studies on the principles of biology.

ROBERT F. MEHL of Carnegie Institute of Technology has been invited to lecture at the Royal School of Mines, University of London, 20-25 Oct. Mehl, who is head of the department of metallurgical engineering and dean of graduate studies at the institute, is the first American to receive a lecture invitation from the British institution since its founding 100 years ago. He will discuss diffusion in solid metals and alloys; formation of ferrite and bainite from austenite; the pearlite-austenite reaction; and the growth of metal crystals from metal vapor.

BENJAMIN PASAMANICK, formerly associate professor in the division of mental hygiene, Johns Hopkins School of Hygiene, has been appointed professor of psychiatry at Ohio State University College of Medicine, and director of research at the Columbus State Psychiatric Institute.

ELLIS R. LIPPINCOTT, associate professor of chemistry at Kansas State College since 1951, has been appointed professor of chemistry at the University of Maryland. Lippincott is an authority on infrared and Raman spectroscopy. Another phase of his work has been concerned with the hydrogen bonds of proteins and biological substances. His principal activity at Maryland will be the development of a satisfactory theory of the nature of chemical bonds.

R. W. LAMONT-HAVERS, for the last year medical director of the British Columbia Division of the Canadian Arthritis and Rheumatism Society, has succeeded GIDEON K. DEFOREST as associate medical director of the Arthritis and Rheumatism Foundation, New York. DeForest will resume his duties on the teaching staff of the Yale University School of Medicine, where he is also head of the arthritis clinic.

OLIVER F. SENN, former assistant chairman of the chemistry department, Stanford Research Institute, has been appointed chairman. Recently he has centered his attention on research in waste utilization and air pollution.

## Necrology

JOHN C. DESSLOCH, Rochester, N.Y., 73, chief anesthesiologist at Genesee Hospital for 25 years and a member of the staff for 41 years, former president of Associated Anesthetists of the United States and Canada, 9 Sept.

GRAHAM EDGAR, Greenwich, Conn., 67, consulting chemist to Ethyl Corp., New York, former professor of chemistry at California Institute of Technology and the University of Virginia, World War I consultant chemist to the Army Ordnance Corps, and former staff member of the National Research Council, 8 Sept.

W. REDETT HATFIELD, White Plains, N.Y., 58, dentist and former assistant professor at Columbia University, 6 Sept.

GERADUS P. HERRICK, New York, N.Y., research engineer, "father of convertible aircraft," World War I captain in the aviation section of the Army Signal Corps, 9 Sept.

GEORGE A. HULETT, Princeton, N.J., 87, emeritus professor of chemistry at Princeton University and first professor of physical chemistry to be appointed there, a founder of the Army Chemical Warfare Service, 6 Sept.

WILLIAM F. JENNINGS, Mendham, N.J., 69, powder metallurgist, 14 Sept.

ALFRED E. MIDGLEY, Linden, N.J., 67, chemist, 8 Sept.

GUSTAVE NOBACK, Forest Hills, N.Y., 65, retired professor of anatomy at Cornell University, former chairman of the department of anatomy at the College of Dentistry, New York University, former professor and head of the department of anatomy at the University of Puerto Rico, 10 Sept.

ROBERT SALTER, Washington, D.C., 63, chief of soils research for the Department of Agriculture and former head of the Soil Conservation Service, former chairman of the Ohio State University's Agronomy Department, vice president in 1938 of AAAS Section O, Agriculture, 14 Sept.

HAakon STYRI, Philadelphia, Pa., 69, research consultant and metallurgist, 13 Sept.

## Education

■ Development and construction of a new radiotelescope for solar research has recently been announced by Donald H. Menzel, director of Harvard College Observatory. This radiotelescope, technically known as the dynamic spectrum analyzer, will be used to further basic scientific knowledge of the sun by studies of the radio emission from active sunspots and other solar disturbances.

The radiotelescope will consist of an antenna 28 feet in diameter, used in