

bution throughout the past twenty years to scientific knowledge of the Antarctic region"; GREGORY K. HARTMANN, technical director, U.S. Naval Ordnance Laboratory, "in recognition of his technical and administrative direction of the Naval Ordnance Laboratory and his contributions to military science and technology, particularly in the fields of aeroballistics, physics, and explosives research"; CLAY G. HUFF, parasitologist, U.S. Naval Medical Research Institute, National Naval Medical Center, "in recognition of exceptional work in parasitology and particularly in original research on the malarial parasite"; JOHN W. HEIM, chief, physiology branch, Aero Medical Laboratory, Air Research and Development Command, "for 20 years of pioneering in the field of aeromedical research which provided basic knowledge required for high altitude manned flight and manned space flight and for his initiative in developing the *Handbook of Biological Data*"; DOYLE NORTHRUP, Headquarters Command, Department of the Air Force, "in recognition of pre-eminent service to the Department of Defense from February 1948 to November 1957 during which he served as technical director of an Air Force atomic energy organization directing and coordinating efforts of multiple military and civilian agencies in a scientific program of great national significance"; and CHARLES S. WEAVER, director, Office of Foreign Programs, Office of the Assistant Secretary of Defense (Research and Engineering), "for outstanding efforts in improving technical cooperation between the United States and its allies in the areas of science, intelligence, and security."

GEORGES H. WERNER, formerly research assistant professor of microbiology in medicine at the University of Pennsylvania, has been put in charge of the Virus Research Division of the Rhone-Poulenc Chemical Corporation, Paris, France, effective 1 May.

W. W. GRIGORIEFF, chairman of the University Relations Division of the Oak Ridge Institute of Nuclear Studies, will take a 1-year leave of absence to become chief of the exchange branch of the International Atomic Energy Agency's Division of Exchange and Training of Scientists and Experts. He will leave Oak Ridge on 15 May and will assume his new duties 1 June at IAEA headquarters in Vienna.

STEPHEN ROTHMAN will deliver the first Dohi Memorial Lecture in Niigata, Japan, on 24 May at the 57th annual meeting of the Japanese Dermatological Association. The lectureship, which was established at the suggestion

of Thomas B. Fitzpatrick of Portland and K. Kitamura and T. Kobori of Tokyo, honors Professor Keizo Dohi (1866-1931), the founder of Japanese dermatology. Each year a distinguished dermatologist is to be invited to the annual meeting of the Japanese Dermatological Association or to some other dermatological meeting to be held in Japan. The Dohi Memorial Lectureship has been created to provide for an exchange of lectures and discussion between Japanese and foreign dermatologists to promote progress in Japanese and world dermatology.

THEODORE H. REED has been appointed director of the Smithsonian Institution's National Zoological Park, Washington, D.C. Reed was first appointed to the staff in July 1955 as chief veterinarian, a position he held until 1 November 1956, when he became acting director upon the retirement of William Mann.

CLIFFORD C. CARR, professor of electrical engineering and chairman of the department of electrical engineering at the Pratt Institute Engineering School, has been named assistant dean of the Engineering School.

Four scientists from the United States were invited to speak before the Swiss Academy of Sciences, Lausanne, Switzerland, 27-29 March: WILLARD F. LIBBY, commissioner, U.S. Atomic Energy Commission; J. LAWRENCE KULP, Lamont Geological Observatory, Columbia University; ALEXANDER HOLLAENDER, Biology Division, Oak Ridge National Laboratory; and WRIGHT H. LANGHAM, assistant health division leader for biomedical research at the University of California's Los Alamos Scientific Laboratory.

### Recent Deaths

CARLETON R. BALL, Washington, D.C.; 84; formerly agronomist with the U.S. Department of Agriculture, recently a member of the coordinating committee of the Tennessee Valley Authority, Department of Agriculture and State Experiment Stations; specialist in genus *Salix*; 2 Feb.

RAFE C. CHAFFIN, Los Angeles, Calif.; 76; surgeon and professor emeritus in gynecology at the College of Medical Evangelists; founder of the American College of Surgeons, vice regent and fellow of the International College of Surgeons; invented the Chaffin drainage tube, which became a standard tool in abdominal surgery; 23 Mar.

W. IRVING CLARK, Worcester, Mass.; 78; medical director at the Norton Company, Worcester; instructor in in-

dustrial medicine at Harvard University from 1919 to 1931 and clinical professor in 1940; 5 Apr.

LEONARD W. GOSS, Columbus, Ohio; 80; retired professor of veterinary pathology at Ohio State University, where he taught for 22 years; 2 Apr.

A. SPENCER KAUFMAN, Philadelphia, Pa.; 75; clinical professor of otology at Jefferson Medical College and chief of the ear, nose, and throat department of the Einstein Center, Northern Division; 30 Mar.

HARVEY L. LANTZ, Ames, Iowa; 70; horticulturist at Iowa State College since 1917; professor of horticulture and head of the pomology department of the Agricultural Experiment Station since 1945; 3 Apr.

KARL LARK - HOROVITZ, Lafayette, Ind.; 65; head of the department of physics at Purdue University since 1932 and a member of the AAAS Editorial Board since 1949; general secretary of the AAAS from 1947 to 1949; original member of the AAAS Cooperative Committee on the Teaching of Science and Mathematics and chairman of the committee from 1945 to 1950; 14 Apr.

D. T. MACDOUGAL, Carmel, Calif.; 93; director, department of botanical research, Carnegie Institution, 1905-28, and research associate, 1928-34; AAAS general secretary, 1922-24, and president of the AAAS Southwest Division, 1922; 22 Feb.

OTTO SANDVIK, Rochester, N.Y.; 65; head of the physics division at Kodak Research Laboratories in Rochester; known for his work on the physics of the developed image, spectral sensitivity of photographic emulsions, and the photographic aspects of sound recording; 8 Oct. 1957.

RICHARD A. STUDHALTER, Lubbock, Tex.; 70; professor of botany and first head of department of biology, Texas Technological College; specialist in *Riella* and *Ephedra*, and in tree rings; 28 Mar.

JAMES SWINBURNE, London, England; 100; a pioneer in plastic development; his work on phenolic resins at the beginning of the century was a major contribution to the development of the modern plastic industry; founder of Bakelite, Ltd.; 30 Mar.

HORATIO C. WOOD, JR., Philadelphia, Pa.; 84; professor emeritus of pharmacology and therapeutics at the University of Pennsylvania Hospital and professor emeritus of pharmacology at the Philadelphia College of Pharmacy and Science; 31 Mar.

**Erratum:** In the article "Color Defect and Color Theory" by C. H. Graham and Y. Hsia [*Science* 127, 675 (28 March 1958)], the last 13 lines in column 3, page 679, appear in reverse order. The bottom line should be read first, the second line from the bottom should be read second, and finally, the 13th line from the bottom should be read last.