

associate professor of electrical engineering at Massachusetts Institute of Technology.

LAWRENCE E. BRENNAN has also joined the senior staff of the Rand electronics department. Since November 1956 he had served as a member of the senior systems staff with the Systems Laboratories Corporation in Sherman Oaks, from which he was on loan to the Office of Naval Research, Washington, D.C., as a consultant on the Marine Air Defense Project.

OTTO STRUVE, chairman of the department of astronomy at the University of California, Berkeley, has been elected a corresponding member of the French Academy of Sciences in Paris.

HERBERT J. MUELLER, formerly a physicist at the University of Vienna, Vienna, Austria, has joined the staff of the Basic Research Group at the U.S. Army Engineer Research and Development Laboratories, Fort Belvoir, Va. He will serve as assistant chief of the Group, which makes laboratory determinations of general, special, and chemical properties of selected metastable substances in the solid, liquid, and gaseous states. The Group also determines the influence of controlled electric magnetic, electromagnetic, and particle field conditions on these properties.

JOHN C. BAILAR, JR., professor of inorganic chemistry at the University of Illinois, took office on 1 January as president of the American Chemical Society. He succeeds CLIFFORD F. RASSWEILER, vice president for research and development of the Johns-Manville Corporation, New York. The new ACS president is widely known for his contributions to chemical education and to inorganic chemistry.

ARNOLD V. WOLF, chief of the renal section of the department of cardiorespiratory diseases at the Walter Reed Army Institute of Research in Washington, D.C., has been appointed head of the department of physiology, University of Illinois College of Medicine. He succeeds GEORGE E. WAKERLIN, who resigned last April to become medical director of the American Heart Association. Wolf is noted for his research in the physiology of thirst and in artificial kidneys.

FRANK C. HAPPOLD, professor of biochemistry and chairman of the department, Medical School, University of Leeds, England, is serving until April as visiting research professor in the department of bacteriology, University of Florida. He is participating in research on tryptophane metabolism of marine bacteria and in various graduate activi-

ties. During his stay in the United States he will be visiting other institutions, including the University of Pennsylvania and Rutgers University.

ROBERT L. BLACKWELL was appointed director of the U.S. Sheep Experiment Station and Western Sheep Breeding Laboratory, Dubois, Idaho, effective 5 January. He succeeds JULIUS E. NORDBY, who retired recently. Blackwell has been an associate professor of animal husbandry at New Mexico Agricultural and Mechanical College, where his research has been in animal breeding with sheep and beef cattle.

MERVIN J. KELLY, chairman of the board of Bell Telephone Laboratories, has been named by the National Security Industrial Association to receive its 1958 James Forrestal Memorial Award. Kelly will deliver an address at the NSIA Forrestal Dinner on 29 January at the Sheraton-Park Hotel, Washington, D.C., when he will receive a gold medal and citation. In World War II Bell Laboratories was converted almost completely to military research and development and carried out more than 1200 projects for the Armed Forces.

FRANK M. CARPENTER, chairman of the biology department at Harvard University, is the new president of Sigma Xi, national scientific honorary fraternity. Carpenter is an entomologist whose studies on the comparative structure of living and fossil insects has helped to reconstruct the past 250 million years of insect life. He is curator of fossil insects at Harvard's Museum of Comparative Zoology.

ALLISON K. SIMONS, director of engineering and research for the Bostrom Corporation of Milwaukee, Wis., has received the national gold medal award of Pi Tau Sigma, honorary engineering society, for the most outstanding achievement in mechanical engineering within 10 years of graduation. The award was presented on 4 December in conjunction with the annual meeting of the American Society of Mechanical Engineers. Simons has specialized in the man-machine relationships affecting the comfortable, stress-free seating of drivers of trucks, tractors, and earth-moving equipment. With A. H. Easton of the University of Wisconsin, Simons developed electronic instrumentation that permitted the study of vibration and shock transmission to the human body through vehicular seating.

ELLISON C. SHUTE has been appointed manager of the Atomic Energy Commission's San Francisco Operations Office at Oakland, Calif. Shute, who has been deputy manager of the San Fran-

cisco office since January 1956, will succeed HAROLD A. FIDLER, who will accept a position as assistant to the director of the Ernest O. Lawrence Radiation Laboratory, University of California, Berkeley.

ALBERT L. ELDER, director of research of the Corn Products Company, Argo, Ill., and a specialist in medicinal chemicals, proteins, and starches, has been chosen president-elect of the ACS. He will head the society in 1960.

LAUCHLIN M. CURRIE has been elected a vice president of the Babcock & Wilcox Company and placed in charge of the Atomic Energy Division. To accept the new post, Currie retired as a vice president of the Union Carbide Nuclear Company, a division of the Union Carbide Corporation.

Recent Deaths

HOWARD C. ARNOLD, Pittsburgh, Pa.; 67; engineer with the Federal Enameling and Stamping Company from 1934 until his retirement this year; ceramic engineer with various firms from 1919 to 1930; 27 Sept.

DAVID C. GRAHAME, London, England; 46; professor of chemistry at Amherst College, who was spending a year on a Guggenheim fellowship at the University of Bristol, England; instructor in chemistry at the University of California, Berkeley, before joining Amherst College in 1939; staff member of Massachusetts Institute of Technology's Radiation Laboratory in 1945; taught summer school at Harvard University in 1948; 11 Dec.

MARTIN S. MAIER, Lancaster, Pa.; 64; nuclear physicist and since 1949 head of the physics division, research and development department, U.S. Asbestos Division of Raybestos-Manhattan, Inc., Manheim, Pa.; was engaged in a study of radiation effects on asbestos and asbestos products at the time of his death; head of the physics department at Sterling College (Kansas), 1933-39; research assistant with the Battelle Institute, Columbus, Ohio, 1940-44; and a senior physicist with Eastman Kodak Company, Rochester, N.Y., 1944-49; 23 Dec.

WILLIAM SCHRIEVER, Norman, Okla.; 64; professor of physics at the University of Oklahoma and chairman of the physics department, 1942-52; had been a faculty member since 1919; first president of Sigma Xi at the university; 20 Nov.

PERCY H. WILLIAMS, New York, N.Y.; 83; gynecologist and obstetrician; chief of staff at Lenox Hill Hospital, 1927-45; director of gynecology at Lincoln Hospital, 1924-34; 31 Dec.