

gineering education through teaching and administration of an engineering educational department; and his authorship of widely used textbooks."

JOHN J. LANDER, director of electrochemical research at the Delco-Remy Division of the General Motors Corporation, is the first recipient of the Research Award of the Battery Division of the Electrochemical Society. He is being honored for his pioneering work on the kinetics of the anodic corrosion of lead and specifically for his paper in the June 1951 issue of the society's journal entitled "Anodic Corrosion of Lead in Sulfuric Acid Solutions." The award will be presented at the Battery Division's luncheon to be held during the society meeting in Ottawa, 28 September-2 October.

Major General HARRY G. ARMSTRONG, U.S. Air Force (MC), a pioneer in aviation and space medicine and former Surgeon General of the Air Force, has retired after almost 30 years of military service. In 1949, while he was commandant of the U.S. Air Force School of Aviation Medicine, Armstrong established the department of space medicine, the first laboratory of its kind.

ALBERT ROSE, senior member of the technical staff, RCA Laboratories, Princeton, N.J., has been named recipient of this year's David Sarnoff Gold Medal Award by the Society of Motion Picture and Television Engineers. The award is being given to Rose for "basic contribution to the development of the Orthicon, Image Orthicon and Vidicon television pick-up tubes."

A. E. RHEINECK, research chemist and research supervisor for the Archer-Daniels-Midland Company, Minneapolis, Minn., has been appointed professor of chemistry in the School of Chemical Technology at North Dakota State College, where he will teach and conduct research in the area of protective coatings.

RHODA STASIAK, who formerly was in charge of the infrared spectroscopy laboratory of the American Viscose Corporation, has been appointed research associate in the analytical and physical chemistry division of the Squibb Institute for Medical Research at New Brunswick, N.J.

LOUIS A. TURNER, director of the physics division at Argonne National Laboratory, has been named deputy director of the laboratory. Turner will fill a position which has been vacant since Norman Hilberry, formerly deputy director, became director at Argonne in 1957.

THOMAS H. BREM has been promoted to the chairmanship of the department of medicine at the University of Southern California School of Medicine. The announcement follows the retirement of PAUL STARR, head of the department from 1948 to 1955 and co-head since then. Brem and Starr have shared the chairmanship for the past 3 years, Brem being in charge of teaching and Starr in charge of research. Henceforth, Brem will be responsible for both fields.

The Foundation for Integrated Education, 246 E. 46 St., New York 17, is sponsoring a tour of this country by C. GATTEGNO, secretary of the International Commission for the Study and Improvement of the Teaching of Mathematics, a growing group drawn from principal European and British universities and teacher's organizations. Gattegno is co-developer of Cuisenaire-Gattegno teaching aids, materials and methods that were introduced on this continent last year—systematically in Canada, and in scattered centers in the United States. They have been in use in Europe and Great Britain and other countries for periods varying from 6 to 25 years and are now employed in some 20 countries.

Gattegno is holding consultations with teachers and school administrators throughout the country. At present he is traveling in the states of Washington and Oregon. He will be in Washington, D.C., on 7 November.

ROGER H. HILDEBRAND, associate professor of physics at the University of Chicago's Enrico Fermi Institute for Nuclear Studies, has been appointed associate laboratory director for high energy physics at Argonne National Laboratory.

Recent Deaths

ASA C. CHANDLER, Houston, Tex.; 67; internationally known specialist in tropical medicine and parasitology; retired in 1956 as chairman of the department of biology at Rice Institute; taught at Oregon State College from 1914 to 1918; headed a research laboratory at the British School of Tropical Medicine in Calcutta from 1923 to 1927; author of textbooks; 23 Aug.

CHARLES E. DECKER, Norman, Okla.; 89; research professor emeritus of paleontology of the University of Oklahoma School of Geology since 1944, had been a member of the faculty of the School of Geology since 1916; 23 Aug.

NATHAN C. FOOT, Bronxville, N.Y.; 77; professor emeritus of surgical pathology of Cornell University Medical

College; professor of pathology at the University of Cincinnati College of Medicine from 1928 to 1932; member of the pathology staff at Harvard Medical School from 1912 to 1922; 5 Sept.

MAX GROTEWAHL, Kiel, Germany; 63; Arctic explorer who led several expeditions; founder and director of the Kiel Archive for Polar Research, one of the four major Arctic study centers in the world; member of the Arctic Institute of North America and adviser of the American Polar Society in Washington; 7 Sept.

PASQUALE MARINA, Kearney, N.J.; 72; inventor and self-educated mathematician; invented a special carpenter's rule and a new logarithm table; 4 Sept.

LOUIS MONTGOMERY, Forest Hills, N.Y.; 62; psychoanalyst who studied with the late Sigmund Freud; former director of the Association of Applied and Clinical Psychoanalysis; 2 Sept.

RUDOLPH NORBERG, West Palm Beach, Fla.; 77; retired in 1949 as board chairman of the Electric Storage Battery Company of Philadelphia; co-developer of the Willard storage battery and of new types of batteries for cars, submarines, and airplanes; 6 Sept.

GILBERT J. PALEN, Philadelphia, Pa.; 88; professor emeritus of otology at Hahnemann Medical College; 6 Sept.

EDWARD HOLMAN RAYMOND, Litchfield, Conn.; 79; professor of oral pathology and bacteriology at Columbia University from 1920 to 1924; one of the first to use novocaine for local anesthesia in dentistry; 8 Sept.

GUSTAVE T. REICH, Philadelphia, Pa.; 67; chemical engineer; consulting manager and director of the Federal Yeast Corporation, Baltimore, Md.; specialist in alcohols; holder of 95 patents; 17 Aug.

ADOLPH STERN, New York, N.Y.; 79; psychoanalyst at the Medical Arts Center; president of the New York Psychoanalytic Institute; studied under Sigmund Freud in Vienna, Austria, in 1922; 22 Aug.

MICHAEL J. TAKOS, Miami, Fla.; 39; director of the research and special studies section of the Dade County Health Department; had taught biology at Emory University, Atlanta; 10 Sept.

NORRIS W. VAUX, Philadelphia, Pa.; 76; professor of obstetrics at Jefferson Medical College, 1931-46; former director of obstetrics at Pennsylvania Hospital; Pennsylvania secretary of health, 1947; 19 Aug.

GEORGE C. VEDOVA, Glen Ridge, N.J.; 64; chairman of the mathematics department of the Newark College of Engineering from 1947 to 1958; had taught at St. Johns College (Annapolis, Md.), the Virginia Polytechnic Institute, and Haverford College; 5 Sept.