

schools for 25 years, Hellebrandt joined the University of Illinois in 1951 as a department head. She had previously directed the Baruch Center of Physical Medicine at the Medical College of Virginia, and before that she was head of the section on physical medicine and associate professor of physiology at the University of Wisconsin. She organized the physical therapy schools in both institutions. DAVID I. ABRAMSON, a member of the university's department of medicine staff since 1946, will succeed Hellebrandt.

DAVID C. MCCLELLAND of Wesleyan University will become professor of psychology at Harvard University on 1 July 1956. McClelland, who is an authority on motivation, will fill a new chair in the psychology of personality that was endowed by the Ford Foundation with a grant of \$400,000. He will conduct his research in the Laboratory of Social Relations.

BERNARD BUDIANSKY, an engineer whose research has been concerned with vibrations and stresses in aircraft structures, has been appointed associate professor of structural mechanics at Harvard University. Since 1952 he has been head of the structural mechanics branch of the Structures Research Division, Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va.

JOHN C. CALHOUN, JR., professor and head of the department of petroleum and natural-gas engineering at Pennsylvania State University, became dean of engineering at the Agricultural and Mechanical College of Texas on 1 Sept.

SUSHIL KUMAR PRAMANIK, who retired as deputy director of the Indian Meteorological Service last year, arrived in Teheran, Iran, on 26 Aug. to fill a 6-month assignment as a consultant for the World Meteorological Organization and the United Nations Technical Assistance Administration. He will assist the Government of Iran in coordinating various meteorological services; this will lead to the establishment of a National Meteorological Institute in Iran.

WILLIAM J. RIEMER, formerly of the University of California, Berkeley, and WILLIAM H. SEARS, formerly of Hofstra College, Hempstead, N.Y., have joined the staff of the Florida State Museum, Gainesville, as, respectively, assistant curator of biological sciences and assistant curator of social sciences. Sears is working with the museum's archeological and anthropological collections. Both appointments were effective in July.

RUSSELL L. MAYCOCK, former assistant manager of the physical chemistry department at the Shell Development Co.'s Emeryville research center, has been appointed director of the company's research laboratory in Houston, Tex. He replaces J. ANDERSON, who has been transferred to Torrance, Calif., to direct research for the Shell synthetic rubber plant there.

ARTHUR BEVAN, principal geologist of the Illinois State Geological Survey since 1947, has retired in order to resume field studies in the Appalachian Mountains of west-central Virginia. Before he joined the Illinois Survey he had been state geologist of Virginia for 18 years. He will reside in Churchville, Va.

The following appointments to assistant professor have been announced. University of Mississippi: LOUIS F. RITTELMAYER, JR., preventive medicine. Rose Polytechnic Institute: FRANK A. GUTHRIE, chemistry. Albany Medical College: WILLIAM THOMAS SMYTH, pathology and bacteriology.

Necrology

DAVID CRAMPTON, Mantoloking, N.J., 45, chief chemical engineer for Wallace and Tiernan, Belleville, N.J., and president and chairman of the board of Stewart Industries, Inc., Clifton, 28 Aug.

CHARLES A. EMERSON, East Orange, N.J., 73, sanitary engineer, former chief engineer for the Pennsylvania State Health Department, and a partner in Havens and Emerson, New York, 24 Aug.

THURMAN D. KITCHIN, Wake Forest, N.C., 69, president emeritus of Wake Forest College, former dean of Wake Forest Medical School, 28 Aug.

HOWARD SHIELD MCCANDLISH, Washington, D.C., 64, emeritus associate professor of clinical obstetrics and gynecology at Cornell University Medical College, 26 Aug.

EDWIN N. ROSENFELD, North Hollywood, Calif., 63, chemist and former assistant inventor to Thomas A. Edison, 27 Aug.

EDWARD B. SILVERMAN, New York, 60, electrical engineer for Smith and Silverman, New York, 29 Aug.

ANDREW TOPPING, London, England, 64, dean of the London School of Hygiene and Tropical Medicine; former UNRRA deputy chief, 28 Aug.

JAMES WALTON, London, England, 73, former professor of surgery at London Hospital Medical School, former president of the Association of Surgeons, Medical Society of London, and the Surgical Section of the Royal Society of Medicine, 27 Aug.

ARTHUR MANLEY WICKWIRE, JR., Morristown, N.J., 57, engineer and inventor, president of Power Controls, Inc., Yonkers, N.Y., 27 Aug.

Education

■ Columbia University's School of Engineering has planned a program that is designed to encourage industrial scientists and engineers to return to the campus to become acquainted with recent electronics developments. The university has scheduled a series of evening courses in electric circuits and electronics that is intended for technical men with a bachelor's degree in engineering or science. These courses are offered because entire areas of activity have developed that require scientific and mathematical tools that were not part of the education of electrical engineers trained before World War II.

■ The Special Training Division of the Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn., has announced a partial schedule of courses to be offered during the next 12 months. The institute, a nonprofit educational corporation formed by 32 Southern universities, conducts 4-week courses in the basic techniques of using radioisotopes in general research, and special and advanced courses of varying duration that stress applications of radioisotopes in specific fields of scientific endeavor.

The 47th through the 53rd basic courses, which are limited to 32 participants, will be held on the following dates: 17 Oct.-11 Nov. 1955, 9 Jan.-3 Feb. 1956, 6 Feb.-2 Mar., 16 Apr.-11 May, 4-29 June, 16 July-10 Aug., and 13 Aug.-7 Sept.

The institute's basic courses are designed to assist mature scientific and technical personnel in obtaining in a short time sufficient facility in the use of radioisotopes to utilize them safely and efficiently in their own research. Minimum scholastic requirement for enrollment is a bachelor's degree, preferably in a scientific field, but no specific courses are required as prerequisites.

Tuition for the basic course is \$25.00. Application blanks and further information may be obtained by writing Dr. Ralph T. Overman, Special Training Division, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn. Applications and supporting letters should be in the hands of the Institute 3 months in advance of the starting date of the course for which application is made.

Veterinary Radiological Health Courses. In September 1954 the institute initiated the first 2-week advanced