

versity of Michigan, from which institution he received his Ph.D. degree, his thesis having to do with infra-red spectra, a subject on which he has acquired an international reputation. Prior and subsequent to receiving his degree he was a research and consulting engineer and physicist. For ten years, ending on his death on September 11, 1941, he was professor of physics and head of the department of physics at Fisk University, Nashville, Tennessee, where he created a highly efficient organization.

He leaves a mother, Mrs. Elizabeth W. Imes, and two brothers, Albert L. Imes, of Cincinnati, Ohio, and the Reverend William Lloyd Imes, pastor of St. James Presbyterian Church, New York City.

It was the writer's privilege to become acquainted with Professor Imes in his graduate student days at the University of Michigan, where his research laboratory was a mecca for those who sought an atmosphere of calm and contentment. Peacefully smoking his pipe, Imes could always be relied upon to bring to any discussion an atmosphere of philosophic soundness and levelheaded practicalness. Gifted, moreover, with a poetic disposition, he was widely read in literature, and a discriminating and ardent appreciator of music. He had a delightful sense of humor and a skill in repartee, which he always used, however, with the kindness and consideration so characteristic of his sensitive nature. In his passing, his many friends mourn the loss of a distinguished scholar and a fine gentleman.

W. F. G. SWANN

BARTOL RESEARCH FOUNDATION  
OF THE FRANKLIN INSTITUTE,  
SWARTHMORE, PA.

**MAX KRISS**  
1894-1941

PENNSYLVANIA STATE COLLEGE lost one of its leading scientists as Dr. Max Kriss died from coronary embolism on November 16 after an illness of two weeks.

During twenty-three years as a member of the staff of the Institute of Animal Nutrition, Dr. Kriss became one of the world's leading authorities on the energy metabolism and ventilation requirements of domestic animals, the net energy values of feeding stuffs and the influence of nutrient compounds, especially amino acids, on the heat production of animals.

Born on May 15, 1894, at Ostropol, Russia, the son of Joseph Kriss, a scribe, and his wife Fannie, Max Kriss came to the United States in 1910. He earned his own way through Pennsylvania State College by labor and by teaching Russian and Hebrew. Being graduated in 1918, he became a member of the staff of the Institute of Animal Nutrition under the direc-

tion of Dr. Henry Prentiss Armsby, and at the time of his death held the rank of professor of animal nutrition.

At Pennsylvania State College, Kriss received the degree of master of science in 1920, and at Yale University the degree of doctor of philosophy in 1936.

He was the author or co-author of more than 50 scientific papers dealing with animal nutrition. Always a modest, kindly and charitable gentleman he gave great pleasure to his associates during discussions of scientific problems because of his fair and scholarly disposition.

He leaves a wife and one son, Joseph, who is a student at Yale University School of Medicine.

E. B. FORBES

PENNSYLVANIA STATE COLLEGE

### DEATHS AND MEMORIALS

DR. ELSIE CLEWS PARSONS, president of the American Anthropological Association, died on December 19. She was sixty-six years old.

PROFESSOR ROLLIN LANDIS CHARLES, head of the department of physics at Franklin and Marshall College since 1922, died on December 13 at the age of fifty-six years.

DR. PAUL HENRY HANUS, professor emeritus of education at Harvard University, died on December 14 at the age of eighty-six years. An important advance was made in 1891 when Dr. Hanus was appointed assistant professor of education at Harvard University through the influence of President Eliot.

DR. FRANK CONRAD, assistant chief engineer of the Westinghouse Electric and Manufacturing Company of Pittsburgh, died on December 11 at the age of sixty-seven years.

DR. VLADIMIR J. FEWKES, archeologist, research associate of the museum of the University of Pennsylvania, died on December 11 in his forty-sixth year.

A BUST of the late Dr. William H. Nichols, donor of the Nichols Chemistry Building of New York University, acting chancellor of the university in 1929, was unveiled at an informal ceremony in the Nichols Building on December 19. The bust was given to the university by Mrs. Madeline Sharp, daughter of Dr. Nichols, and was accepted by Dr. John P. Simmons, director of the Nichols Laboratory. Other speakers were Dr. Harry Lindwall, chairman of the department of chemistry of the University College of Arts and Pure Science; Dr. Henry J. Masson, chairman of the department of chemical engineering of the College of Engineering, and Dean Thorndike Saville, of the College of Engineering.