

Dr. Pammel was born at La Crosse, Wisconsin, in 1862 and graduated from the University of Wisconsin in 1885. The year following was spent in the laboratory of Dr. W. G. Farlow at Harvard University. The years of 1887, 1888 and 1889 were spent at the Shaw School of Botany, Washington University, where he received the degree of Ph.D. under the direction of Dr. William Trelease.

The staff of the botany department at the time he began his work here in 1889 consisted of one member, himself. The present staff of thirteen specialists, offering sixty-six courses, attests to the growth of the department under his leadership. Many of the workers in this field in the state colleges and the U. S. Department of Agriculture received their training and inspiration for botany from this teacher.

The field of taxonomy was Dr. Pammel's specialty, and he made a number of intensive studies of the flora found in the plains region and in the Rocky Mountains. The major portion of the herbarium of this institution, comprising 180,000 sheets, was collected by him.

Dr. Pammel's earlier activities were in the field of plant pathology. In the early 80's he made a study of the cotton root rot. His contribution on *Ozonium* root rot of cotton led the way in the then unexplored field of soil plant pathogens. His studies of black rot of cabbage established the fact that it was a bacterial vascular parasite, a contribution to a virgin field.

He was the author of numerous bulletins and two books, "Weeds of the Farm and Garden" and "Poisonous Plants." A third volume, "Honey Plants of Iowa," in collaboration with Miss C. M. King, was in preparation at the time of his death.

Dr. Pammel's last major activity, and the one by which he was best known to the public, was in the field of conservation. He wrote the Iowa conservation bill and served as the first chairman of the Iowa Conservation Board. During his régime thirty-six state parks were acquired, and the lakes of the state were placed under the control of the Conservation Board, making a total area of 10,000 acres dedicated to state park purposes. Pammel Park, named in his honor, was dedicated the past summer.

He was an active member and a past officer in numerous scientific and honorary societies.

Dr. Pammel is survived by a widow and six children.

A. T. ERWIN

IOWA STATE COLLEGE

MEMORIALS

A MEMORIAL tree, a Norway spruce, has been planted near the path to Eaton Library on the Tufts

College campus in commemoration of the late Dr. Fred D. Lambert, of the department of biology. A rough boulder bearing a suitably inscribed bronze plate will be placed at the foot of the tree with appropriate ceremony.

A MOUNTAIN peak with an altitude of 13,601 feet, on the boundary between Inyo and Fresno counties, California, has been officially named in memory of the late Professor Alfred Prater, of the department of mathematics at the University of California at Los Angeles. Prater Peak was discovered and charted by Professor Prater and Mrs. Prater during a trip in the summer of 1928, shortly before his death.

MR. C. C. PATERSON, president of the British Institution of Electrical Engineers, on June 5, in the Sunderland Central Library, Museum and Art Gallery, unveiled a plaque to the memory of Sir Joseph Wilson Swan, inventor of the first practical incandescent electric lamp and a pioneer in the science of photography. The plaque was presented to Sunderland, Swan's birthplace, by the institution. The institution and a number of citizens of Sunderland have formed a committee with the object of founding Swan memorial scholarships in electrical science. An appeal has been made for a sum not less than £5,000. Over £2,500 has already been received.

A REMEMBRANCE stone built into the new Battersea Power Station, London, was unveiled on April 23 to commemorate the centenary of the discovery by Michael Faraday in which lay the origin of the dynamo and starting point of the utilization of electric power. The Governor-General of Canada, Lord Bessborough, formerly director of the London Power Company, called for the unveiling of the stone in a speech telephoned from Ottawa, which was transmitted to a large company by amplifiers.

RECENT DEATHS

DR. KARL JOSEPH BELAR, research associate in biology at the California Institute of Technology, who was thirty-six years of age, was killed on May 25 in an automobile accident.

MR. EMIL TORDAY, known for his work on the anthropology of Africa, died on May 9, aged fifty-six years.

Nature reports the death of Professor J. E. Edwards, principal and professor of mathematics and physics at Queen's College, London, author of well-known text-books on the calculus, on May 16, aged seventy-seven years, and of Professor T. R. Glynn, emeritus professor of medicine in the University of Liverpool, on May 12, aged ninety years.