

Dr. W. H. Jordan, director of the station from 1896 to 1921, carried on experiments in animal nutrition that laid the groundwork for much of the later research conducted in this field. In recent years, dairy research at Geneva has centered around dairy manufactures, notably ice cream and cheese, the creaming of milk, sanitary milk production in its many phases, the detection and control of mastitis and chemical studies relating to milk. In addition to research much service work is carried on, including the inspection of all the glassware used in the state for testing milk and cream for butter fat and for making bacteriological tests of milk.

### THE CALIFORNIA MEETING OF THE AMERICAN PHYSICAL SOCIETY

THE 192nd regular meeting of the American Physical Society will be held in Le Conte Hall, University of California, on Tuesday, Wednesday, Thursday, Friday and Saturday, June 19-23, in affiliation with Section B of the American Association for the Advancement of Science. An informal dinner has been arranged for Wednesday, June 20, at the faculty club.

In addition to the regular program of papers three symposia have been arranged as follows:

#### JOINT MEETING WITH THE ASTRONOMICAL SOCIETY OF THE PACIFIC

##### *Symposium on Spectroscopy in Astrophysics*

##### 1. Tuesday, June 19, at 10:00 A.M.

- "Unidentified Interstellar Lines," Dr. Paul W. Merrill, Mount Wilson Solar Observatory.
- "Diffraction Gratings and their Applications to Astronomical Problems," Professor R. W. Wood, the Johns Hopkins University, vice-president of American Physical Society.

##### 2. Tuesday, June 19, at 2:00 P.M.

- "Light of the Night Sky," Professor Joseph Kaplan, University of California at Los Angeles.
- "Spectroscopic Evidence of Galactic Absorption," Dr. R. J. Trumpler, Lick Observatory.
- "Forbidden Lines in Astronomical Sources," Professor I. S. Bowen, California Institute of Technology.

##### *Symposium on Nuclear Structure*

##### 1. Wednesday, June 20, at 9:30 A.M.

- "The Production of High Voltage and Its Application to Nuclear Research," Professor R. J. Van de Graaf, Massachusetts Institute of Technology.
- "Disintegration Experiments Using Protons and Deutons at 1,200 Kilovolts," Dr. Merle A. Tuve, Department of Terrestrial Magnetism, Carnegie Institution.
- "Recent Nuclear Investigations at the University of California," Professor E. O. Lawrence, University of California.

##### 2. Wednesday, June 20, at 2:00 P.M.

- "The Emission of Neutrons and Gamma Rays from

Various Elements," Professor C. C. Lauritsen, California Institute of Technology.

"Disintegrations with Positron Ejection," Professor Carl D. Anderson, California Institute of Technology.

"The Nature of Cosmic Rays," Dr. Thomas H. Johnson, Bartol Research Foundation.

In addition, Professor Felix Bloch, of Stanford University, and Professor J. R. Oppenheimer, of the University of California, have been asked to discuss the papers from the mathematical physical point of view.

##### *Symposium on Fundamental Physical Constants*

##### 1. Thursday, June 21, at 10:00 A.M.

- "The Value of the Electronic Charge," Professor R. A. Millikan, California Institute of Technology.
- "Measurement of the Compton Shift," Professor P. A. Ross, Stanford University.
- "Continuous X-Ray Spectra and the Value of  $h/e^2$ ," Dr. Paul Kirkpatrick, Stanford University.
- "A Measurement of the Compton Shift and the Determination of the Constant  $h/me$ ," Dr. J. W. M. DuMond, California Institute of Technology.

##### 2. Thursday, June 21, at 2:00 P.M.

- "Spectroscopic Determinations of Atomic Constants," Professor W. V. Houston, California Institute of Technology.
- "The Present Status of the Values of  $e$ ,  $h$  and  $e/m$ ," Professor R. T. Birge, University of California.

### RECENT DEATHS

THOMAS HUSTON MACBRIDE, president emeritus of the Iowa State University, died after a brief illness at the home of his son in Seattle, Washington, on March 27, in his eighty-sixth year. Besides being an eminent administrator and teacher, he was a distinguished botanist and an authority on the Myxomycetes.

DR. CARL EWALD GRUNSKY, consulting engineer of San Francisco, president of the California Academy of Science, president in 1924 of the American Society of Civil Engineers, known chiefly for his work on the irrigation and drainage problems of California, died on June 9 at the age of seventy-nine years.

THE death is announced of Dr. Carl Arthur Hedblom, since 1926 head of the department of surgery of the Illinois Medical School.

DR. C. FRANCIS JENKINS, inventor of the systems of television and telephotography bearing his name, died on June 6. He was sixty-eight years old.

THE death is announced on May 22 of Dr. Andrew Fullerton, who retired last October from the professorship of surgery at Queen's University, Belfast.

THE death on May 25 is reported of Professor H. G. Chapman, director of cancer research at the University of Sydney, Australia.