

machines, reaction and impulse turbines, pumps and hydraulic apparatus are to be placed in these rooms. The long testing flume will be used for current meters and models. The second floor contains a laboratory classroom for electrical instrument work, a dark room for illumination and oscillograph work, small rooms for mechanical work and a large room for research.

THE AMERICAN PHYSICAL SOCIETY AND THE UNIVERSITY OF MINNESOTA

THE autumn meeting of the American Physical Society will be held at the University of Minnesota on November 30 and December 1. The new laboratory of physics of the university will be dedicated on the evening of the thirtieth. The program is as follows:

NOVEMBER 30

10:00-12:00 M.

Reading of Papers, Physics Auditorium.

12:00-1:30 P. M.

Luncheon, Ballroom, Minnesota Union.

1:30-5:00 P. M.

Dedicatory Symposium, Physics Auditorium.

PROFESSOR HERMANN WEYL (University of Zürich):
Address: "Laws of Conservation and Rules of Intensity in Quantum Mechanics."

PROFESSOR K. T. COMPTON (Princeton University):
"Scattering of Electrons."

PROFESSOR E. U. CONDON (Princeton University):
"Quantum Theory of Aperiodic Effects."

DR. F. L. MOHLER (Bureau of Standards): "Photoionization and Recombination."

DR. IRVING LANGMUIR (General Electric Co.): "Motions of Positive Ions in Ionized Gases."

6:00-8:00 P. M.

Complimentary Dinner, Ballroom, Minnesota Union,
DEAN G. S. FORD, presiding.

Welcome to Guests—PRESIDENT L. D. COFFMAN.

Response—DR. KARL T. COMPTON.

Addresses—DR. W. F. G. SWANN and PROFESSOR S. C. LIND.

8:15 P. M.

Dedicatory Exercises, Physics Auditorium, PRESIDENT
L. D. COFFMAN, presiding.

Presentation of building on behalf of Regents—HON.
FRED B. SNYDER.

Acceptance—DEAN J. B. JOHNSTON and PROFESSOR H.
A. ERIKSON.

Dedicatory Address—PROFESSOR JOHN ZELENY: "The
Place of Physics in the Modern World."

DECEMBER 1

10:00-12:00 M.

Reading of Papers, Physics Auditorium.

12:00-2:30 P. M.

Drive. St. Anthony boulevard, Memorial Drive, Glenwood, Lake of the Isles to Minnekada Club for

luncheon. Continue drive Calhoun, Harriet, Minnehaha, River Road to Laboratory.

2:30 P. M.

Reading of Papers, Physics Auditorium.

SCIENTIFIC NOTES AND NEWS

THOMAS CHROWDER CHAMBERLIN, emeritus professor of geology in the University of Chicago, died on November 15 at the age of eighty-five years.

WILLIAM NORTH RICE, emeritus professor of geology in Wesleyan University, died on November 13, at the age of eighty-three years.

It is announced from Stockholm that Nobel prizes in chemistry for 1927 and 1928 have been awarded to Dr. Heinrich Wieland, professor in the University of Munich, and Dr. Adolf Windaus, professor in the University of Göttingen. Both investigators have been engaged in the study of vitamins and have done distinguished work in this and in other departments of physiology and chemistry. M. Henri Bergson, French author and philosopher, is said to have been awarded the prize in literature for 1927, and Mme. Sigrid Undset, the Norwegian authoress, for 1928.

THE following awards have been made by the president and the council of the Royal Society: Royal Medals to Professor A. S. Eddington, for his contributions to astrophysics, and to Professor R. Broom, for discoveries which have shed new light on problems of the origin of mammals; the Copley Medal to Sir Charles Parsons, for his contributions to engineering science; the Rumford Medal to Professor F. Paschen, for his contributions to the knowledge of spectra; the Davy Medal to Professor F. G. Donnan, for his contributions to physical chemistry, particularly for his theory of membrane equilibrium; the Darwin Medal to Dr. L. Cockayne, for his contributions to ecological botany; the Sylvester Medal to Professor W. H. Young, for his contributions to the theory of functions of a real variable; the Hughes Medal to M. le Duc de Broglie, for his work on X-ray spectra.

DR. HERMAN SCHNEIDER, professor of civil engineering, dean of the college of engineering, and now acting president of the University of Cincinnati, has been made an honorary member of the Cincinnati Academy of Medicine.

DR. MARSTON TAYLOR BOGERT, professor of organic chemistry at Columbia University, was the guest of honor at the dinner of the Engineering Foundation, New York, on October 18. Professor Bogert has re-