University of Wisconsin Science Hall reception invitation. June 14, 1892

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UNIVERSITY OF WISCONSIN.

SCIENCE HALL RECEPTION,

JUNE 14TH, 1892.

You are cordially invited to visit the several Departments of SCIENCE HALL in each of which will be found an exhibition of the equipment and some demonstrations of the work of the Department.

IN THE BASEMENT.

Laboratory of Mechanical Engineering.

In this Laboratory will be exhibited a fifty-horse power compound engine for experimental purposes; a ten-horse power vertical engine, supplying power to the laboratory; three Olsen testing machines with capacities of 10,000, 20,000 and 50,000 pounds; a Thurston Autographic torsion machine; turbine-wheel, lathes, hydraulic apparatus, gas-engine and various machines constructed by students of the University.

ON THE FIRST FLOOR.

Draughting Room.

An exhibit of draughting appliances; drawings; and models illustrating important mechanical principles.

Department of Physics.

In Room 17 is presented a very interesting display of Geisler's and Crook's tubes with which the Department is well supplied.

In Room 13 there will be in operation an electrical machine; illustrating the extremely brief duration of an electric spark; and apparatus for studying the nature of sound-waves.

In the Main Laboratory and Lecture Rooms will be found a variety of important pieces of apparatus used in the study of Physics, many of them in operation.

In the Laboratory beyond the Lecture Room some electrical apparatus is arranged as in actual work, and illustrates the nature of the student's work in Physics; some of the methods of measuring the electrical resistance of wires are shown.

ON THE SECOND FLOOR.

Department of Geology and Mineralogy.

In the admirably equipped MUSEUM of Geology and Mineralogy will be found casts of the gigantic Mesozoic and Tertiary extinct forms of life and plaster models of the Grand Cañon of the Colorado, of the Yosemite Valley, of the region about Leadville, etc. The collection of fossils is contained in the three cases on the east side of the room (Nos. 1, 2. and 3.) and is arranged according to geological formation, beginning with Case 1. The systematic collection of minerals begins with Case 4 and is continued in cases 5, 6, 7, and 8. The cases to the right of the entrance contain the finest collection in existence of Calcite and Smithsonite from Wisconsin and Illinois. In the centre of the room is an unusally large and attractive specimen of calcite crystals. The Wisconsin meteorite is on the pillar, near Case 8.

In room 28 may be seen Thomas's collection of glass models of Crystals, and a number of instruments used in the investigation of minerals and rocks. These include an apparatus for measuring the angles of crystals and the most modern microscopes for the accurate study of extremely thin sections of rocks.

Lantern Demonstrations.

In room 29 from 8:15 to 8:45 P. M. there will be projected upon the screen a series of lantern slides illustrating some of the more striking Geological phenomena.

Department of Psychology.

In the Psychological Laboratory there will be shown in operation apparatus for measuring the time consumed in simple sensory and mental operations; apparatus for recording involuntary movements; illustrations of the phenomena of color-vision and color-blindness; illustrations of optical and other illusions. An exhibit will also be made of apparatus used in psychological research, and of interesting results of the modern method of studying mental phenomena.

ON THE THIRD FLOOR.

Department of Biology.

In the Zoological MUSEUM will be found an interesting collection of objects illustrating the nature and variety of animal life. There are four cases containing types of animal skeletons; a case of fresh water and marine shells; a case containing wax models illustrating the embryological development of a series of animals; a very attractive case containing finely executed glass models of jelly-fishes and sea-anemones, to which special attention is directed.

In the laboratory of Bacteriology an exhibit will be made of microscopic slides, cultures and general apparatus illustrating the results and methods of research in this important field. In the same room there will be a similar exhibit illustrating the development of the chick.

In the General Laboratory there will be an extensive exhibition of microscopical specimens, illustrating interesting and striking features of the finer animal and plant structures, and also a demonstration of the method of preparation of such specimens.

In the Laboratory of Vegetable Physiology—Department of Botany—will be exhibited in operation the auxonometer showing how growing plants are made to record their growth; a clinostat, for rotating plants; apparatus for studying the effect of gravitation on the direction of roots; for determining the respiration of seeds, buds, etc.

In the Herbarium Room will be found the collections of mosses and flowering plants. The moss herbarium embraces almost all the species known from North America.

Lantern Demonstration.

In the Biological Lecture Roon from 8:45 to 9:15 P. M. there will be given an exhibition of lantern slides illustrating the more striking appearances in animal and plant life.

The building is illuminated by electric light supplied by the dynamos of the University and operated by the large engine in the University Machine Shops.