

eries Leading to the Rediscovery of Mendel's Law," (2) "Mendel's Law of Heredity and the Mendelian Ratios," (3) "Evolution by Loss or Gain of Unit Characters or by Variations in their Potency," (4) "Mendelian Unit Characters and Selection," (5) "Blending Inheritance and its Relation to Mendelian Inheritance," (6) "Reciprocal Crosses and Fixed Hybrids; Sex-limited Inheritance," (7) "Effects of Inbreeding and Cross-breeding," (8) "Sex Determination and Sex Control." On Mondays and Thursdays at 8 P.M., beginning November 28.

Eight lectures by Sir John Murray, K.C.B., F.R.S., LL.D., etc., of the *Challenger* Expedition, on "The Ocean." On Mondays and Thursdays at 8 P.M., beginning Monday, February 6.

Dr. Svante Arrhenius, of Stockholm, Sweden, will give a course on "Cosmology." Detailed announcements concerning this course will be made later.

#### THE BIOLOGICAL BUILDING OF THE UNIVERSITY OF WISCONSIN

WORK on the new biological building has begun at Wisconsin University. The structure will occupy a space 42 by 240 feet square, will be built of Madison sandstone and will follow the general style of architecture of University Hall. It is to be four stories high with a basement and sub-basement.

A room for the study of hibernating animals is to be the most novel feature of the new structure. Little work on the hibernation of animals has been done by zoologists up to the present time and many interesting findings are anticipated when work begins in the new building. Conditions of temperature, moisture, light, etc., will be kept at a uniform point to insure the best possible environment for the animals while hibernating.

Both a vivarium and an aquarium will be installed in the basement where many land and water animals will be kept for purposes of instruction, study and research. In the six greenhouses, which are to be built adjoining the main building on the south, a number of very rare tropical plants will be kept. An ef-

fort to secure data concerning their peculiar characteristics is the object of their culture.

The greater part of the main floor will be taken up by the museum. Collections of both botanical and zoological specimens will be installed there. At the rear of the museum will be the entrance to the lecture auditorium. This will be arranged in amphitheater form around a central raised platform, and will seat 500 students. A small room on the main floor will be devoted to the study of the effect of different lights on plants. A special study of the effect of violet rays will be made.

#### SCIENTIFIC NOTES AND NEWS

THE National Academy of Sciences will hold a scientific session in St. Louis, beginning Tuesday, November 8, 1910, at 10.30 A.M. The meeting will be held in the graduate lecture room, at the Missouri Botanical Garden.

DR. ARTHUR MICHAEL, who has had his private research laboratory at Tufts College for the past twenty-five years, has removed the laboratory and scientific library to Newton.

THE "prix de Léonide Spendiarow" was established by a Russian gentleman of distinction who deposited with the International Geological Congress the sum of four thousand rubles, the interest to be awarded at the triennial sessions of the congress "for the best work on geological questions designated by the congress." The award is made by an international committee and was first given to Karpinsky, director of the Geological Survey of Russia; next to Professor Brögger, of Christiania; then to Tschernyschew, the successor of Karpinsky. At the recent Stockholm meeting of the congress the prize was given to John M. Clarke, New York state geologist, for his work on the Devonian of New York and eastern North America.

DR. FRANK H. BIGELOW, recently of the U. S. Weather Bureau, has accepted an appointment under the Argentine government, and his address will be *Oficina Meteorologica Argentina, Buenos Aires*, beginning with December, 1910. He was elected member of the