mounted sheets. It should be attached merely by gumming the lower surface of the upper left-hand corner of the label, and under no circumstances should the entire back of the label be pasted to the sheet. It frequently happens that it is necessary or desirable to record additional data on the back of the label, and again, if merely attached by the upper left-hand corner, the label can then be lifted or turned back should it cover any portion of the specimen that it is necessary or desirable to examine.

The advantages of a comprehensive system of field labels are very great, and their use should appeal to the most conservative botanist. The addition of the field label to the mounted sheet does not detract from the appearance of the mounted specimen, it supplies a proper place for recording data regarding the plant itself that otherwise, if recorded at all, must be abbreviated and crowded on the small herbarium label or laboriously copied on the sheet itself, and if consistently used will preserve in a form available for other contemporary workers as well as for future botanists a mass of information regarding the plants that is now not being recorded at all, or if recorded, is rarely attached to the actual mounted specimens and ultimately becomes lost.

E. D. Merrill
Bureau of Science,
Manila, P. I.

NATIONAL ACADEMY OF SCIENCES

The autumn meeting of the National Academy of Sciences will be held on Monday, Tuesday and Wednesday, November 13, 14 and 15, 1916, in the new buildings of the Massachusetts Institute of Technology, adjoining the Charles River Basin in Cambridge, with headquarters across the Basin at the Harvard Club, 374 Commonwealth Avenue, in the Back Bay district of Boston. Hotels Puritan and Somerset, in the same block with the Harvard Club on Commonwealth Avenue, will be convenient for members accompanied by their families. Luncheon will be provided for members and ladies accompanying them at Riverbank Court, adjoining the Institute buildings on Monday and Tuesday, and at several of the neighboring scientific institutions on Wednesday.

It has been found necessary to postpone the William Ellery Hale lectures, previously announced to be given by Professor E. G. Conklin on Monday evening and Tuesday afternoon, November 13 and 14. The Monday evening lecture will be replaced by an introductory address by President W. H. Welch on the Formation of the National Research Council at the request of the President of the United States and a lecture by Dr. S. W. Stratton, director of the National Bureau of Standards, on the Target Practise in the Navy and some of the Research Problems involved, illustrated with moving pictures. The Tuesday afternoon session will be devoted to reports by members of the National Research Council.

At the close of the Monday evening session a reception will be held by President and Mrs. Maclaurin of the Massachusetts Institute of Technology and President and Mrs. Lowell of Harvard University, in the General Library where a scientific exhibit will be displayed. On Wednesday there will be visits to scientific institutions in and near Boston.

The local committee consists of W. M. Davis, chairman, W. T. Councilman, A. A. Noyes and E. C. Pickering.

The program of papers to be read at the meeting is as follows:

Monday, November 13

From 2.00 to 3.30:

Welcome by President Maclaurin, of the Massachusetts Institute of Technology.

Raymond Pearl, Maine Agricultural Experiment Station. Some Effects of the Continued Administration of Alcohol to the Domestic Fowl, with special Reference to the Progeny. (20 minutes, lantern.)

Edward S. Morse, Salem, Mass. Protoconch of *Solemya*. (10 minutes.)

Alfred G. Mayer, Marine Laboratory, Carnegie Institution. Further Studies of Nerve Conduction. (10 minutes, lantern.)

E. G. Conklin, Princeton University. The Share of Egg and Sperm in Heredity. (10 minutes, lantern.)

Jacques Loeb, Rockefeller Institute. Diffusion and Secretion. (12 minutes.)

Lafayette B. Mendel and S. E. Jordan, Yale University. Some Interrelations between Diet, Growth and the Chemical Composition of the Body. (12 minutes.)

Henry L. Abbot, Cambridge, Mass. Hydrology of the Isthmus of Panama.

John M. Clarke, State Museum, Albany. The Strand and the Undertow.

W. M. Davis, Harvard University. Sublacustrine Glacial Erosion in Montana.

Scientific Exhibit in the General Library, from 3.30 to 5.00.

From 8.15 to 9.15:

President W. H. Welch, Johns Hopkins University. The Formation of the National Research Council at the Request of the President of the United States. (15 minutes.)

Dr. S. W. Stratton, Director of the National Bureau of Standards, Washington. Target Practice in the Navy and Some of the Research Problems Involved; Illustrated with Moving Pictures. (45 minutes.)

Reception and Scientific Exhibit in the General Library, from 9.15 to 10.30.

Tuesday, November 14

From 10.00 to 12.30:

Edwin H. Hall, Harvard University. Electric Conduction in Metals. (20 minutes, lantern.)

Edward B. Rosa, National Bureau of Standards. The Silver Voltameter as an International Standard. (15 minutes.)

R. W. Wood, Johns Hopkins University. One-dimensional Gases and the Reflection of Molecules. Series in Resonance Spectra. (10 minutes, lantern.)

Elihu Thomson, Swampscott, Mass. Inferences Concerning Auroras. (20 minutes.)

A. A. Michelson, University of Chicago. Report of Progress in Experiments for Measuring the Rigidity of the Earth. (10 minutes.) The Laws of Elastico-viscous Flow. (10 minutes.)

C. G. Abbot, Smithsonian Institution. On the Preservation of Knowledge. (5 minutes.)

Franz Boas, Columbia University. Further Evidence Regarding the Instability of Human Types. (20 minutes.)

Ross G. Harrison, Yale University. Transplantation of Limbs. (20 minutes, lantern.)

Chas. B. Davenport, Station for Experimental Evolution, Carnegie Institution. Heredity of Stature. (20 minutes, lantern.)

From 2.30 to 5.00:

Professor George E. Hale, Chairman of the National Research Council. The Work of the National Research Council; Recent Observations of Organized Science in England and France. (45 minutes.)

Lieutenant Colonel George O. Squier, Chief of Aviation, U. S. Army. Scientific Research for National Defense, as Illustrated by the Problems of Aviation. (45 minutes.)

Professor Arthur A. Noyes, Massachusetts Institute of Technology. The Nitrogen Problem in War and in Agriculture. (30 minutes.)

Discussion of the Work of the National Research Council.

SCIENTIFIC NOTES AND NEWS

A MEETING to plan a memorial to the late Sir William Ramsay was held at University College, London, on October 31. After the meeting, the director of the University College Chemical Laboratories, Professor J. Norman Collie, F.R.S., delivered a memorial lecture on "The Scientific Work of Sir William Ramsay."

WE are informed by a correspondent who has just returned from Germany that the published statement that Dr. A. von Wassermann, of the University of Berlin, has succeeded Ehrlich as head of the Institute for Experimental Therapeutics at Frankfort-on-Main is incorrect and that Professor Kolle of Berne, holds this position temporarily.

PROFESSOR WILLIAM W. PAYNE, director of the Elgin Observatory, formerly professor of mathematics and astronomy and director of the Goodsell Observatory of Carleton College, and the founder of *Popular Astronomy,* was granted the degree of doctor of science by Carleton College on October 13, on the occasion of the celebration of the fiftieth anniversary of the founding of the college.

PROFESSOR W. A. NOYES, director of the chemical laboratory of the University of Illinois, will lecture on "The Electron Theory" as part of the program of the Franklin Institute, Philadelphia, for the year 1916–17.

ON October 26, Professor C. J. Keyser delivered an address before the assembly of Le-