

value not only to botanists in diverse fields, but to a great number of individuals interested in various phases of agriculture, forestry, conservation, soil erosion, irrigation and other fields. Fortunately for

those who need and must have this work, it is a public document and is so priced as to be available to all.

E. D. MERRILL

NEW YORK BOTANICAL GARDEN

## SOCIETIES AND MEETINGS

### THE INDIANA ACADEMY OF SCIENCE

THE golden anniversary meeting of the Indiana Academy of Science was held on Thursday, Friday and Saturday, November 15, 16 and 17 at Indianapolis, with the academy as the guest of Butler University. The general meetings were devoted to its history and the honoring of its living founders. At the sectional meetings a total of ninety-eight papers on botany, chemistry, bacteriology, geology, geography, physics, mathematics and zoology were read. The meetings were all well attended.

The principal address of the historical meeting was given by Dr. Will E. Edington, of DePauw University, on the subject, "There Were Giants in Those Days." The address dealt with the various factors that led up to the founding of the academy in 1885, and was illustrated with slides showing the principal founders. Among these were David Starr Jordan, T. C. Mendenhall, John M. Coulter, John C. Branner, Daniel Kirkwood, John Sterling Kingsley, Thomas Gray, Oliver P. Jenkins, Richard Owen, Alexander Smith, Harvey W. Wiley, Joseph Swain, William A. Noyes, Amos W. Butler, Barton W. Evermann, Lillian J. Martin, Carl H. Eigenmann, Willis S. Blatchley, Joseph C. Arthur, Stanley Coulter and others. Following this address ten of the fifteen living founders who were present were introduced to the assembled members of the academy.

The president's address was delivered by Father Julius A. Nieuwland, of the University of Notre Dame, on "The Story of Synthetic Rubber," which was a report on the work for which he has been awarded the Nichols Medal by the American Chemical Society.

The Founders' Dinner was held on the evening of November 16, at the Claypool Hotel with several hundred members in attendance. Following the dinner, the ten living founders who were present gave short talks. These founders are J. C. Arthur, George W.

Benton, W. S. Blatchley, J. B. Burris, Amos W. Butler, Stanley Coulter, Robert Hessler, David M. Motier, William A. Noyes and A. J. Phinney. They were presented with certificates of appreciation for their service to science and to the academy, John S. Wright, of the Eli Lilly Company, acting as master of this ceremony.

Several scientific men from without the state were present. Of these particular mention may be made of Dr. Henry B. Ward, permanent secretary of the American Association for the Advancement of Science. Dr. Ward attended the meetings of the executive committee and made a short address at the founders' dinner in which he discussed the meeting of the association to be held in Indianapolis in 1937.

The Junior Academy, composed of a number of high-school science clubs, held its meetings on Saturday morning. These included scientific exhibits.

There were on display a number of scientific exhibits and also an exhibit of photographs of all the past presidents of the academy and a majority of the founders. It is the intention of the academy to file these photographs, slides made from them and other historical material in the State Library, so that it will be accessible for use in lectures and other work. At the request of Dr. Ward photographs of all the past presidents are to be exhibited at the St. Louis meeting of the American Association for the Advancement of Science.

The following officers were chosen for 1935: *President*, Will Scott, Indiana University; *Vice-President*, Will E. Edington, DePauw University; *Secretary*, Ray C. Friesner, Butler University; *Treasurer*, William P. Morgan, Indiana Central College; *Editor of the Proceedings*, Paul Weatherwax, Indiana University; *Press Secretary*, Thomas R. Johnston, Purdue University. The next winter meeting will be held at Crawfordsville, Indiana, with Wabash College as host.

WILL E. EDINGTON

## SCIENTIFIC APPARATUS AND LABORATORY METHODS

### THE NICOTINE VAPORIZER, A DEVICE FOR UTILIZING NICOTINE IN THE CONTROL OF INSECT PESTS

FOR many years nicotine has been available in commerce in the form of nicotine sulfate having a

content of 40 per cent. nicotine alkaloid. In the control of insect pests attacking vegetation under outdoor conditions, this material has been utilized in two ways, as an aqueous spray solution and as a dust mixture. The insecticidal action appears to be due very largely