

MEETINGS OF THE BIOLOGICAL CLUB.

ORTON HALL, May 1, 1911.

The meeting was called to order by the President, Dr. Dachnowski, and the minutes of the previous meeting read and approved. The major paper of the evening was by Prof. J. H. Schaffner, who gave an interesting and instructive address on "The Classification of the Flowering Plants," presenting in general outline his own system of classification and arrangement. He emphasized the importance of working from a strictly evolutionary standpoint out of which a natural phyletic arrangement of the various large groups is bound to come. The actual working out of the phyletic groups is a most difficult problem but this should not in the least minimize its importance. Concerning plant organs and structures as a basis for classification, attention must constantly be given to their progressive development, segregation of parts, degeneration and their degree of specialization. The season made it possible for the speaker to illustrate his address with numerous flowers both cultivated and wild.

The next paper of the evening was by Mr. Wencil J. Kostir on "Evolutionary Thought in the Nineteenth Century"; The speaker gave a very concise yet thorough resume of the rise and development of modern evolutionary conceptions and presented the present day ideas relative to the important factors of the evolutionary process. This paper was the last of a series continued through the year on the History of Biology.

A short business meeting was held in which, on motion by Prof. Schaffner, the president was directed to appoint a nominating committee of three to select editors for the OHIO NATURALIST for the ensuing year. No further business being presented the society adjourned.

BERTRAM W. WELLS, Secretary.

ORTON HALL, October 2, 1911.

The Biological Club met with President Dachnowski, presiding. C. L. Metcalf was appointed secretary pro tem. Messrs. Metcalf, King and Fulton were named as a committee to nominate a staff for the Ohio Naturalist. The reading of the minutes of the previous meeting was postponed. On motion the chair appointed Prof. Hine, Miss Detmers and Mr. Kostir a committee to nominate officers for the Club.

The program of the evening consisted of reports of summer work or observations. Prof. Schaffner gave a short discussion of nutation habits of plants. Prof. Hine spoke of the Southern

Cotton Worm which is an occasional visitor far to the North of its usual range. The past year this insect occurred in extremely large numbers in the State as far north as Lake Erie. It is unable to winter even in the northern part of the cotton belt and is believed to fly northward in fall. The adults have been reported as puncturing the fruit of the peach.

Prof. Griggs reported finding *Lycopodium clavatum* near Rockbridge in Hocking Co. This plant has been reported only once before for Ohio, and the present report extends its known range about 100 miles.

Mr. Bentley Fulton spoke of a large colony of the Cicada-killer which he observed in the Hocking county region. Mr. Schadle also collected in Hocking county. Mr. Lyonel King spoke of the condition of forest near Lake of Bays, in northern Canada. Although distant from a railroad this region is well settled and very little virgin forest remains. Many of the trees are similar to those in Ohio. Mr. Kostir spent the summer in Hocking county, and spoke of the interesting topography of the region. Miss Sweatman devoted some time to the study of bird's nesting habits on Cedar Point and found that the natural materials at hand were largely used. Miss McAvoy told of finding the mocking bird in large numbers in Hamilton county, where they nest. Mr. Brown gave an interesting report of an experiment in landscape gardening. Prof. Dachnowski spent a part of the time in the Geological Survey and the latter part of the summer in Europe.

ORTON HALL, November 6, 1911.

The Club met at the usual time. After reading and approval of the minutes the following officers were elected for the year.

President, W. M. Barrows; Vice President, T. M. Hills; Secretary, C. L. Metcalf.

The committee reported the following nominations for the staff of The Ohio Naturalist:

Editor-in-Chief, John H. Schaffner; Business Manager, James S. Hine.

ASSOCIATE EDITORS.

Zoology, W. M. Barrows; Botany, Robert F. Griggs; Geology, W. C. Morse; Physiography, T. M. Hills; Archeology, W. C. Mills; Ornithology, J. C. Hambleton.

ADVISORY BOARD.

Herbert Osborn, John H. Schaffner, Charles S. Prosser.

This report was accepted and the staff elected. Mr. Forest Brown, Mr. Charles K. Brain and Miss Blanche McAvoy were elected members of the club.

Vice-President Hills then took the chair and the society was favored with an address by the retiring President, Dr. Alfred Dachnowski. Prof. Dachnowski spoke on "Modern Tendencies in Science and their Relation to the Individual." He pointed out the restless activity of industry and the international organization of scientific work. The question was raised whether we are fitting men for institutions or institutions for men and whether we are proceeding in biological sciences and in politics, commercialism, etc., on the principle that all things are made for man, sovereign over inanimate things.

C. L. METCALF, *Secretary.*

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