

MEETINGS OF THE BIOLOGICAL CLUB.

BOTANY AND ZOOLOGY BLDG., Jan 11, 1915.

The meeting was called to order by the President, Dr. Seymour, and the minutes of the previous meeting were read and approved.

Messrs. H. D. Chase, Vernon Haber, R. C. Smith, F. H. Smith, J. R. Smith, W. T. Owry, W. S. Krout, H. J. Reinhard, D. D. Leyda, W. E. Laughlin, C. W. Hauck, John Eckert, Oliver Gosard, J. R. Stear, R. C. Baker, R. A. Knouff, E. H. Baxter, F. F. Searle, Harry Cutler, and Adolph Waller were elected to membership in the club.

The names of Messrs. Joel Foote and A. H. Smith were proposed for membership in the club.

Prof. Osborn gave a brief report of the meeting of the American Association for the Advancement of Science at Philadelphia during the Christmas vacation, and stated that the next meeting of the association would be held at Columbus. He suggested that a committee be appointed by the club to assist the different committees of the University in the preparations for the entertainment of the association. It was moved by Dr. Kreckler and seconded by Mr. Kostir "that the President appoint such a committee before the next meeting." The motion was carried.

The program for the evening consisted of many interesting reports from the different members who had attended the meeting at Philadelphia: Professors Schaffner, Griggs, and Stover gave reports from the Botanical sessions; Professors Osborn and Kreckler from the Zoological and Entomological sessions; Mr. Weiss from Psychological session; Prof. Prosser from the Paleontological and Geological sessions.

The club then adjourned.

BOTANY AND ZOOLOGY HALL, Feb. 8, 1915.

The meeting was called to order by the President, Dr. Seymour, and the minutes of the previous meeting were read and approved. The attendance was unusually large, two hundred and forty-three being present.

Messrs. Joel Foote and A. H. Smith were elected to membership in the club. The names of Messrs. H. C. Yingling, G. S. Zink, and W. D. Will were proposed for membership.

The President appointed Professors T. M. Hills, F. H. Kreckler and R. F. Griggs to assist the different committees of the University in the preparations for the entertainment of the American

Association for the Advancement of Science which will meet in Columbus during the next Christmas vacation. It was moved by Prof. Landacre that the President announce the time for the next meeting of the club. The motion was carried. The time for the next meeting was set for the second Monday evening in March.

The program for the evening consisted of a very interesting address on "Evolution and Death" given by Prof. L. B. Walton, of Kenyon College. A brief discussion of the views of Darwin, DeVries, Johannsen, and Lloyd were given. The speaker examined two hundred daisies from a fertile soil, also the same number from poor soil, and the coefficient of variation was found to be the same. Close breeding is more variable than cross breeding and sexes arose as an effort in nature to hold variation in check. Cells are smaller in cross breeding than close breeding; small cells produce faster and, hence, a larger organism. Prof. Walton's hypothesis to account for death was that the cells of an adult organism, being the result of very numerous cell divisions (and hence asexual generations) finally become so highly variable that sooner or later some one or more cells located in a vital part will not be able to subserve their intended function, causing the death of the entire organism. As a working hypothesis, variations were divided into normations and abnormations; the former into fluctuations, amphimutations, and cumulations; the latter into monstrosities, defactorations, and fractionations.

After a discussion of the address, the club adjourned.

BOTANY and ZOOLOGY HALL, March 8, 1915.

The meeting was called to order by the President Dr. Seymour, and the minutes of the previous meeting were read and approved as read. Messrs. H. C. Yingling, W. D. Will, and G. S. Zink were elected to membership.

It was moved by Prof. Hine and seconded that the President appoint a committee of three to consider the advisability of making the Biological Club one of the sections of a Science Club to be formed in the University; also, to consider turning over the Ohio Naturalist and Journal of Science to this Club, providing sufficient financial support be insured for its publication; the name of the Ohio Naturalist and Journal of Science to be changed to the Ohio Journal of Science. The motion was carried. Mr. Shadle called attention to the fact that many of the trees had been removed from the campus during the last few years and only a few had been replanted during this time. It was moved by Mr. Shadle and seconded that a committee of three be appointed by the President to see what could be done towards having more trees

replanted on the campus this spring. The motion was carried. Professors Osborn, Prosser, and Durrant were appointed on the first committee and Mr. Shadle, Prof. Lazenby, and Mr. Forest Brown on the latter one.

The program for the evening consisted of two very interesting papers: "The Phylogenetic Relationship of Man and Lower Animals," by Mr. Rollo C. Baker; "The Psychological Relationship of Man and Lower Animals," by Prof. Weiss. Mr. Baker compared the Paleontological, embryological, physiological, and structural development between man and Anthropoid apes. Prof. Weiss compared the actions of lower animals with man. The speech reaction gives man the power to reproduce things of the past and to consider the future, while other animals can adjust themselves only to the present. The speech reaction can be converted into writing and thus man has the traditions and experience of past generations to guide his actions.

After a discussion of the papers, the Club adjourned.

CARL J. DRAKE, *Secretary.*

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