

MEETINGS OF THE BIOLOGICAL CLUB.

ORTON HALL, April 12, 1909.

The Club being called to order by the President, the minutes of the two previous meetings were read and approved. Letters were read from the following men acknowledging invitations to the Darwin Centenary meeting.—Robert A. Dudington, of Oberlin College; President Dabney, of the University of Cincinnati, and Maynard M. Metcalf, of Oberlin College.

The resignation of Arthur H. McCray, as secretary of the Club was accepted.

The program for the evening was a discussion of the "Place of Biology in the High School and University Course." The first paper was presented by Miss Maud Flynn, on the "Place of Biology in the High School." An outline of the present course in the Columbus High Schools was given together with suggestions for improvement. The independent treatment of the subjects Botany, Zoology and Physiology was favored. The second paper of the evening was by Prof. Landacre on the "Place of Biology in the University." He stated that there seemed to be no place at present for a department of Biology in the State Universities giving technical courses since the foundation for advanced work either in Physiology, Botany or Zoology could best be given by those departments independently. In the smaller colleges a course in general Biology can be given profitably. Profs. Osborn, Griggs, Hambleton, Schaffner, Durant, Boyd and Ostend and Miss Blair took part in the discussion which followed. The Club then adjourned.

ORTON HALL, May 2, 1909.

The meeting was called to order by the President, Miss Freda Detmers. The minutes of the previous meeting were read and corrected.

The paper for the evening was presented by Prof. McCampbell, the subject for the evening being "Tumours in Animals." Tumours were classified as harmless and harmful. The harmful tumours or malignant tumours are difficult to eradicate and produce toxins. Tumours were further divided in regard to organs affected. The subject was further discussed largely from a study of domestic animals, especially the guinea pig. As to the cause of tumours nothing has as yet been determined definitely though there are a large number of theories to account for these growths.

In the discussion which followed Prof. Dachnowski and Prof. Schaffner, Miss Detmers and Miss Wilson took part.

Miss Detmers reported on a Fungus probably due to an Ascomycete following the work of Sapsuckers on Ironwood. Prof. Hambleton recalled seeing stumps of the Ironwood covered with the fungus.

W. C. Morse, Miss Hollister and Prof. Hambleton were appointed as a committee to nominate a staff for the OHIO NATURALIST.

ORTON HALL, June 7, 1909.

The last meeting of the year was called to order by the President, Miss Freda Detmers. W. C. O'Kane was unable to present his paper on the Coccidae. J. F. Zimmer presented an interesting paper on "Maple Tree Insects." The discussion was largely confined to the commoner forms of economic importance. Prof. J. C. Hambleton and Miss Stella S. Wilson took part in the discussion which followed. Chalmers De Pue then presented an outline of his year's work on the "Viability of Forest Tree Seeds."

The Nominating Committee reported the following nominations for the staff of "THE OHIO NATURALIST":

Editor-in-Chief	JOHN H. SCHAFFNER
Business Manager	JAMES S. HINE
Assistant Business Manager	G. D. HUBBARD

ASSOCIATE EDITORS.

Emily Hollister	Zoology
R. F. Griggs	Botany
W. C. Morse	Geology
W. C. Mills	Archaeology
J. C. Hambleton	Ornithology
G. D. Hubbard	Geography

ADVISORY BOARD.

Herbert Osborn	Charles S. Prosser	John H. Schaffner
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The report was accepted and the staff elected.

Miss Ruth A. Wardall and Marie F. McLellan were elected to membership.

H. T. OSBORN, *Secretary.*