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NOVEMBER, 1921, NO. 1**

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**THE OHIO JOURNAL OF
SCIENCE; VOL. XXII,
NOVEMBER, 1921, NO. 1**

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Volume XXII.

Number 1.

THE OHIO JOURNAL OF SCIENCE

(Continuation of "The Ohio Naturalist")

Official Organ of the
OHIO ACADEMY OF SCIENCE
and of the
OHIO STATE UNIVERSITY SCIENTIFIC SOCIETY

NOVEMBER, 1921

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THE OHIO JOURNAL OF SCIENCE

Vol. XXII

NOVEMBER, 1921

No. 1

REPORT OF THE THIRTY-FIRST ANNUAL MEETING OF THE OHIO ACADEMY OF SCIENCE

E. L. RICE

Secretary

The Thirty-first Annual Meeting of the Ohio Academy of Science was held at Western Reserve University and Case School of Applied Science, Cleveland, Ohio, March 25 and 26, 1921, under the Presidency of Mr. W. H. Alexander. Fifty-nine members were registered as in attendance; forty-seven new members were elected.

In accordance with the practice begun in 1918, but of which discontinuance has since been threatened, a geological excursion was organized by Professor J. E. Hyde, Vice-President for Geology, 1921-22, for the three days, May 28, 29 and 30. The party was under the guidance of Drs. August Foerste and W. H. Shideler. The itinerary (Wilmington, Clarksville, Fort Ancient, Oregonia, Dayton) was planned for the study of the Richmond formations of southwestern Ohio. Like other Academy functions, the excursion was open to non-members as well as members; fifteen geologists were present.

GENERAL PROGRAM.

FRIDAY, MARCH 25.

- 9:30 A. M.—Business Meeting.
- 11:00 A. M.—Reading of Papers in General Session.
- 12:30 P. M.—Luncheon.
- 2:00 P. M.—Demonstrations.
- 2:30 P. M.—Reading of Papers in General Session.
- 3:30 P. M.—Lecture by Dr. Henry H. Goddard, Bureau of Juvenile Research, Columbus, on "Scientific Work at the Bureau of Juvenile Research."
- 4:30 P. M.—Reading of Papers in General Session.
- 6:30 P. M.—Dinner.

- 8:00 P. M.—Address by the President of the Academy, Mr. W. H. Alexander, U. S. Weather Bureau, Columbus, on "Thunder Storms: Especially Those of Ohio."
 9:00 P. M.—Adjourned Business Meeting.

SATURDAY, MARCH 26.

- 9:00 A. M.—Adjourned Business Meeting.
 10:00 A. M.—Lecture by Professor Charles A. Kofoid, University of California, Berkeley, California, on "Hookworm and Human Efficiency."
 11:00 A. M.—Reading of Papers in Sectional Meetings.
 2:00 P. M.—Demonstrations.

SATURDAY, MAY 28—MONDAY, MAY 30.

Excursion by Section for Geology.

MINUTES OF BUSINESS MEETINGS.

The first business session was called to order by President Alexander at 9:30 A. M., on Friday, March 25. Adjourned sessions were held after the presidential address on Friday evening and at 9:00 A. M. on the following day.

The appointment of the following committees for the meeting was announced by the chair:

Committee on Membership—F. C. Waite, E. L. Fullmer, J. E. Hyde.

Committee on Resolutions—C. G. Shatzer, R. C. Osburn, W. H. Bucher.

Committee on Necrology—J. E. Hyde.

The following Auditing Committee was elected by the Academy: L. B. Walton, E. L. Fullmer.

The following Nominating Committee was elected by the ballot of the Academy: F. H. Herrick, E. L. Fullmer, J. E. Carman, F. C. Waite, H. H. Young.

Report of the Secretary.

The following report by the Secretary was received and ordered filed:

March 22, 1921.

To the Ohio Academy of Science:

Much of the work of the Secretary is covered by the Report of the Executive Committee.

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The following brief note from Mr. McMillin, in reply to the Secretary's notification of election as patron and fellow, will be of interest to the membership of the Academy and may well have a permanent place in the records of the Academy:

DARLINGTON, MAHWAH, N. J., July 3, 1920.

DEAR MR. RICE:

Your good letter of July 1st was received a few moments ago. I thank the Society for all the honors they have conferred upon me, and greedily accept them all.

Most sincerely yours,

EMERSON McMILLIN.

Edward L. Rice, Sec'y, Ohio Academy of Science.

There has been some additional correspondence with the National Research Council concerning the research work of the Academy.

An appeal for the students of the Department of Geography of the Hungarian University of Debreczen was received under date of December 7, and will be presented later in the meeting.

A brief report of the Thirtieth Annual Meeting was prepared for *Science*, and appeared in the issue for August 6th.

In accordance with the instructions of the Academy, the Secretary prepared the Constitution, as amended to date, for reprinting, and it appeared in the Proceedings in connection with the Report of the Annual Meeting.

A number of technical changes in the form of the membership list were necessitated by the designation of fellows and national members (i. e., Academy members who are also members of the American Association for the Advancement of Science). In this revision errors may well have crept in; the secretary will be very grateful for corrections of such mistakes in order that the next list may be made as accurate as possible.

Respectfully submitted,

EDWARD L. RICE, *Secretary*.

Report of the Treasurer for the Year 1920-'21.

The report of the Treasurer was received as follows, and referred to the Auditing Committee, whose report is appended.

Balance in Hayden-Clinton Bank, May 13, 1920, as previously reported.....	\$ 363.90
Deposits.....	1,357.90
Total.....	\$1,721.80
Less checks.....	1,206.06
Balance in bank March 17, 1921.....	\$515.74

The distribution of the funds expended is as follows:

To members of the Ohio Academy as refunds from the A. A. A. S.	\$ 46.00
To E. L. Rice, Secretarial expenses.....	12.51
To Independent Print Shop.....	53.25
To Spahr & Glenn, Printers.....	8.75
To Hiss Stamp Company.....	1.40
To James S. Hine for Ohio Journal of Science.....	500.00
To T. C. Mendenhall, for coupons from bond.....	4.15
To B. E. Livingston for A. A. A. S.....	580.00
	<hr/>
	\$1,206.06
	<i>Cr.</i>
Balance carried forward.....	\$ 363.90
Cash deposited.....	1,357.90
	<hr/>
	\$1,721.80
	<i>Dr.</i>
As itemized expenditures.....	\$1,206.06
Balance in hand.....	515.74
	<hr/>
	\$1,721.80

The Treasurer feels that the Academy is on a sound financial basis as is indicated in the report. He wishes to take this occasion to thank the members of the Ohio Academy of Science for their cordial support. There have been several cases of delays and misunderstandings in the collection of the joint dues for the American Association for the Advancement of Science and for the Academy. This is greatly to be regretted but from a careful study of the methods of payment, the Treasurer believes that the system will be practically automatic in another year. In order to avoid all trouble and inconvenience, prompt payments should be made in the early autumn when the bills are sent out. This insures prompt notification of the subscription managers of *Science* and of the OHIO JOURNAL OF SCIENCE and uninterrupted delivery of the two journals. Unless the Treasurer has the unanimous co-operation of the members in the matter of promptness, he cannot assure them of immediate attention. He is at all times glad to have reports of errors or delays and willing to do everything he can to adjust matters to the satisfaction and convenience of the members. During the year the present Treasurer has just served he has done practically all the work of billing, dunning, and corresponding unaided. This was done, not so much with the desire to save the slight cost of additional help, as in the hope that he might come to know all the details of the job and especially to straighten out accounts of members in arrears. It is to be hoped that members will take care of their arrearage sooner in the future, but this matter, in the case of those members of the Academy who are also A. A. A. S. members, will quickly adjust itself. In the itemized account of the funds the deposits are somewhat swelled because of arrearage. Because there is no adequate adjustment of this for the OHIO JOURNAL an increase to the JOURNAL was given this year.

While this increase for the JOURNAL comes at a time when it is greatly needed, it should be clear in the minds of the members that the Treasurer does not condone arrearages. A periodical journal can not subsist on alternate fat and lean years. It is desirable that its pabulum be more evenly distributed. Further the Treasurer is definitely preparing to meet the future expansion of the OHIO JOURNAL OF SCIENCE. He believes in it thoroughly and wishes to make it an adequate medium of expression for all the members. The JOURNAL ought to appeal especially to the younger members of the Academy. They need to publish articles in order to become introduced to the older scientific workers. The Treasurer feels that all the money that can be put into the JOURNAL is still not nearly enough to make it the best one of its kind in the country. By making it attractive, the JOURNAL can continue to publish some of the best articles that the members of the Academy can write.

The Treasurer further wishes to call the attention of the members to the fact that Mr. L. H. Tiffany of the Department of Botany of the Ohio State University, has been appointed subscription manager of the JOURNAL. It is his duty to see that all members who have squared accounts with the Treasurer be supplied with all numbers of the JOURNAL to which they are entitled, without further charges. He is at present attending to all cases of non-delivery of the JOURNAL that have come to his attention. All complaints in the matter of the delivery of the JOURNAL sent to Mr. Tiffany can now be cared for. It is thus to be hoped that the members of the Academy will be promptly served.

Respectfully submitted,

A. E. WALLER, *Treasurer.*

We have examined the above report and found it to be correct.

Respectfully submitted,

L. B. WALTON,

E. L. FULLMER,

Auditing Committee.

Report of the Executive Committee.

The report of the Executive Committee was received as follows and ordered filed:

March 25, 1921.

To the Ohio Academy of Science:

A meeting of the Executive Committee was held in Columbus, December 18, 1920; all members of the Committee were present.

An invitation was received from Western Reserve University and Case School of Applied Science to hold the Annual Meeting for 1921 in Cleveland. The Executive Committee voted unanimously to accept this invitation, and set the date of the meeting for April 1 and 2. The date was later changed by correspondence to March 25 and 26, in order to bring it within the spring recess of Western Reserve University.