

# THE OHIO ACADEMY OF SCIENCE

## ANNUAL REPORT OF 1945

### REPORT OF THE EXECUTIVE COMMITTEE AND COUNCIL

The one important item handled by the Executive Committee and not reported below as a matter of Council action was the decision to omit the annual meeting for 1945. This decision was due to the restriction placed by the United States Government on meetings of large groups, for the purpose of conserving travel facilities. Since the war in Europe has ended it seems unlikely that another meeting will have to be omitted.

The Council has violated two constitutional provisions by holding only one meeting and by acting without a quorum. No doubt the members of the Academy will recognize that the national emergency made the irregularity unavoidable.

At the meeting in Columbus on April 7, 1945, President Carmen called the group to order and after the roll call a motion by Dr. F. H. Krecker that the sixteen members present act as a quorum was duly passed.

The possibility of providing a seal for use on certificates presented to participants in the Junior Academy was discussed at some length. Dr. Paul Rothmund moved that the Academy furnish certificates and that its official seal embossed over a gold star be used on these certificates.

This discussion led to the consideration of relations with the Junior Academy in general, with a suggestion that outstanding contributors to regional meetings be encouraged to take part in the state meeting and that certificates be awarded to all such participants rather than for the outstanding contributions at the state meeting. Dr. Krecker then proposed as an amendment to the motion that a committee of three be appointed to handle the matter of Junior Academy sponsorship. Dr. Blaydes seconded the amendment and the amended motion was passed.

The Council approved the principle that the Secretary and Treasurer should not leave office in the same year, in the interest of some continuity in the membership of the Executive Committee.

A long discussion of the relations of the Ohio Journal of Science and the Academy, dealing chiefly with payment for the publication of the Proceedings and the address of the Retiring President beyond the normal contribution of the Academy for the support of the Journal brought out a request from Dr. W. L. Evans for the report of the Editorial Board. This report showed that the Journal has felt the pressure of increased cost of publication, partly met by an increase in the contribution from the Ohio State University from \$750.00 to \$1000.00 per year. The total income from the Academy is uncertain until membership dues are paid, but should be between \$900.00 and \$1000.00. On motion of Dr. E. I. Yowell, seconded by Dr. Krecker, the Council approved payment for the publication of the two items for 1944. Dr. G. W. White then moved that the Council instruct the Academy Representatives on the Joint Administrative Board to take up the question of specific payment for these items in the future. Dr. Krecker amended to consider the entire question of Academy support of the O. J. S. and the amended motion was passed.

Dr. Krecker moved that all officers for 1944-45 be asked to continue in office for the coming year. The motion was duly seconded and passed unanimously.

The following members were elected to fellowship:

JAMES H. RODABAUGH

FRANCIS LEE UTLEY

CLARENCE WARD

The following new members were elected:

MYRON A. BACHTELL  
 JOHN W. BENNETT  
 ARTHUR H. BLICKLE  
 C. E. COOPER  
 HENRY F. BONNER  
 EDWARD J. DURY  
 ALBERT J. ESSELSTYN  
 LLOYD W. FROST

HENRY E. GRAY  
 LYSLE R. KIRK  
 J. R. LOCKETT  
 JAMES F. PEPPER  
 NEWBELL NILES PUCKETT  
 G. W. PRESCOTT  
 CHARLES V. REICHART

Dr. Krecker proposed that a definite deadline be set for applications for grants from the research fund, all applications then to be considered together on a basis of relative merit.

The publication of obituary notices at intervals through the year was suggested in lieu of the usual inclusion of these notices in the annual report.

Dr. C. E. Taft reported on the Research Fund, mentioning a gift from Dr. Herbert Osborn of \$100.00, designated for the purchase of a bond, and the Council unanimously voted its thanks to Dr. Osborn.

Respectfully submitted,

A. W. LINDSEY, *Secretary.*

REPORT OF THE TREASURER

COLUMBUS, OHIO, July 10, 1945.

To the Ohio Academy of Science:

I submit herewith a financial statement of the condition of the Ohio Academy of Science as of December 31, 1944. The books have been audited and the opinion of the auditor is herewith attached.

Respectfully submitted,

CLARENCE E. TAFT, *Treasurer.*

OHIO ACADEMY OF SCIENCE BALANCE SHEET AS AT DECEMBER 31, 1944

ASSETS

CURRENT EXPENSE FUND:

Cash in Bank.....	\$ 753.39
Interest Receivable.....	19.50
Bonds Owned:	
Federal Farm Loan 1944-45 (Cost).....	\$1,300.00
War Savings Bond, Series F (Cost).....	111.00
Total Bonds Owned.....	1,411.00
Total Assets—Current Expense Fund.....	\$2,183.89

RESEARCH FUND:

Cash in Bank.....	\$ 353.76
*Banc-Ohio Securities Company Stock (Cost).....	437.50
Bonds Owned:	
*Fort Hayes Hotel, Columbus, Ohio (Cost).....	\$1,300.00
U. S. War Savings Bond—Series G.....	100.00
Total Bonds Owned.....	1,400.00
Total Assets—Research Fund.....	2,191.26
TOTAL ASSETS.....	\$4,375.15

\*See Note, page 208.

## LIABILITIES AND NET WORTH

## CURRENT EXPENSE FUND:

Liabilities:	
Accounts Payable.....	\$ 210.29
Deferred Credit:	
1945 Dues Collected in 1944.....	15.00
Total Liabilities and Deferred Credits.....	\$ 225.29

## NET WORTH:

Ohio Academy of Science:	
Current Expense Fund Surplus.....	\$1,958.60
Research Fund Surplus.....	2,191.26
Total Net Worth.....	4,149.86
TOTAL LIABILITIES AND NET WORTH.....	\$4,375.15

## NOTE: Market values as follows:

Banc-Ohio Securities Company (25 shares).....	\$ 500.00
Bonds—Fort Hayes Hotel Company.....	780.00
Total.....	\$1,280.00

OHIO ACADEMY OF SCIENCE STATEMENT OF INCOME AND EXPENSE  
For the Year Ended December 31, 1944

## CURRENT EXPENSE FUND

## INCOME:

Dues—Membership.....	\$1,410.00
Grants for Research.....	165.00
Sale of Publications.....	12.56
Interest on Bonds.....	39.00
Miscellaneous.....	.10
Total Income.....	\$1,626.66

## OPERATING EXPENSES:

Subscriptions—Ohio Journal of Science.....	\$748.50
Printing:	
Proceedings—Ohio Journal of Science.....	\$195.29
Other Printing.....	101.77
Total Printing.....	297.06
Research Grants.....	165.00
Postage.....	24.51
Office Supplies and Expense.....	23.85
Expenses—Officers and Committees, etc.....	5.78
Secretary's Honorarium.....	100.00
Auditing Expenses.....	15.00
Bond of the Treasurer.....	5.00
Safety Deposit Box Rent.....	3.60
Bank Charges.....	2.89
Total Operating Expenses.....	1,391.19
Excess of Income over Expenses.....	\$ 235.47

## RESEARCH FUND

## INCOME:

Cash Received.....	\$ 243.98
War Savings Bond—Series G.....	100.00
Total Income.....	\$ 343.98

## EXPENSES:

Grants for Research.....	125.00
Excess of Income over Expenses.....	\$ 218.98

## AUDITOR'S CERTIFICATE

COLUMBUS, OHIO, July 1, 1945.

*To the Ohio Academy of Science:*

GENTLEMEN:—In accordance with your instructions, I have audited the accounts and records of the Current Expense Fund of the Treasurer of the Ohio Academy of Science for the year ended December 31, 1944.

I did not audit the Research Fund.

I hereby certify that, in my opinion, the books and records kept on a cash basis are in accord with accepted accounting principles.

In my opinion, the accompanying Balance Sheet and the Statement of Income and Expense for the Current Expense Fund fairly presents the financial condition of the Ohio Academy of Science as at December 31, 1944, and the results of operations for the year ended at that date.

Respectfully submitted,

DANIEL W. SHONTING,  
*Certified Public Accountant.*

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 REPORT OF THE JOINT ADMINISTRATIVE BOARD OF THE  
OHIO JOURNAL OF SCIENCE

COLUMBUS, OHIO, December 21, 1944.

*To the Ohio Academy of Science:*

A special meeting of the Joint Administrative Board of the Ohio Journal of Science was called on December 21, 1944, by the editor at the request of the business manager. The meeting was called to order by Chairman Dr. Snyder. Present were Drs. Snyder and White, representing The Ohio State University, and Drs. Evans and Anderson, representing the Ohio Academy of Science, and Drs. Blaydes and Miller, representing the Ohio Journal of Science.

Dr. Miller presented a partial financial report for Vol. 44, pointing out the fact that the cost of production of the current volume had exceeded the income for the year 1944. The manager requested the board to take the necessary action to avoid a repetition of a similar condition in the coming year.

Dr. White moved that the Ohio State University be requested to increase its contribution from \$750.00 to \$1000.00. This motion was seconded by Dr. Evans and was passed by a unanimous vote.

Dr. Evans moved that the Ohio Academy of Science be requested to contribute, beyond its normal payment of dues, a sum sufficient to continue the Journal for 1945, but not to exceed the additional amount contributed by the University. The motion was seconded by Dr. Anderson. In the discussion that followed considerable emphasis was placed upon the long history of the Journal and its position among scientific publications. The motion was unanimously adopted.

Dr. Snyder moved that the Editor and Business Manager continue to publish the Journal on the present basis, for the next three issues, pending the outcome of the request to be made of the University and the Academy.

Dr. Blaydes reported on available manuscripts and made a plea for additional papers. Each member of the board was urged to act as a committee of one to aid in securing desirable papers.

There being no further business to come before the board at this time, the meeting was adjourned.

Respectfully submitted,

JOHN A. MILLER,  
*Secretary of the Board.*

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 COLUMBUS, OHIO, April 5, 1945.

The annual meeting of the Joint Administrative Board of the Ohio Journal of Science was held at Columbus, Ohio, April 5, 1945. The meeting was called to order by Chairman

Snyder. Present were, Drs. Snyder and White, representing the Ohio State University, Dr. Evans, representing the Academy, and Drs. Blaydes and Miller, representing the Journal. Dr. Anderson was unable to attend.

The minutes of the preceding meeting were read and approved.

It was moved, seconded and passed that Drs. Blaydes and Miller be retained as Editor and Business Manager respectively, for the year 1945-46.

Drs. Snyder and White were appointed to audit the accounts of the Journal for the year 1945-46.

Chairman Snyder called for a report from the Editor. Dr. Blaydes' report is herewith attached. The acceptance of the report was moved by Dr. Evans and seconded by Dr. White. The report was unanimously accepted.

The Chairman called for a report from the Business Manager. Dr. Miller's report was in the form of a financial statement for Volume 44 of the Ohio Journal of Science, a copy of which is herewith attached. It was called to the attention of the board that the cost of printing and distributing the Journal for the past year exceeded the income by \$338.62.

The greatest single factor incident to the deficit was the decrease in revenue from the Academy. The Academy paid into the treasury of the Journal \$1,211.43 in the year 1943 and \$748.50 in the year 1944. The total income from all sources to the Journal during 1944 was \$282.09 less than received by the Journal during the year 1943.

The simple facts are, the cost of production of the Journal as represented by the six issues of Vol. 44, has exceeded the income for the corresponding period of time. The Journal is not at the present time in debt; this is due to the fact that economies were effected in time to reduce costs to a minimum, and that sufficient operating capital had been accumulated to take care of just such an emergency. That capital has now been reduced to \$127.69, an amount insufficient to meet expenses incurred during the first few months of each publication year.

#### FINANCIAL REPORT OF THE OHIO JOURNAL OF SCIENCE

Fiscal Year 1944

##### RECEIPTS:

Balance from 1943.....	\$ 466.31
University Allowance.....	750.00
Ohio Academy of Science—pro rata of Dues.....	748.50
Subscriptions.....	97.50
Sale of Back Numbers.....	38.80
Author's Payment for Plates.....	169.25
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	\$2,270.36
Check Outstanding (Mailing Dept., No. 422).....	10.85
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	\$2,281.21

##### EXPENDITURES:

Spahr and Glenn Co., Printing Vol. 44, Envelopes and Stationery.....	\$1,760.36
Bucher Engraving Company.....	302.20
Postmaster.....	30.00
O. S. U. Mailing Department.....	15.86
Bank Charges.....	1.60
Clerical Assistance.....	41.00
Refund on Foreign Subscription.....	2.50
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	\$2,153.52
Balance on hand, March 1, 1945 (Huntington National Bank).....	127.69
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	\$2,281.21

The business manager wishes to call attention to the board and through the board to the Academy the many difficulties which war conditions have precipitated. The Journal must look to the University and to the Academy to bolster its financial structure and insure its continuation. The University has responded by increasing its contribution as requested, from \$750.00 to \$1,000.00. I now present to the Academy the request as recommended by the board in their December meeting, that this organization assume its full financial obligation

in supporting the continuation of the Journal as the official organ of the society. It is anticipated that the Journal will require a minimum of \$1,000.00 from the Academy to insure the publication of Vol. 45.

Dr. White moved the approval of the report of the Business Manager, the motion was seconded by Dr. Evans, and passed by a unanimous vote.

A motion presented by Dr. White, seconded by Dr. Evans and passed by the board is as follows: The board desires to express its appreciation for the faithfulness and efficiency of the Editor and Business Manager in perpetuating a commendable publication under the most trying circumstances.

There being no further business to come before the Board, it was adjourned.

Respectfully submitted,

JOHN A. MILLER,  
*Secretary of the Board.*

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#### REPORT OF THE LIBRARY COMMITTEE

COLUMBUS, OHIO, April 6, 1945.

*To the Council of the Ohio Academy of Science:*

The sales of publications amounted to \$11.60, with nine cents sales tax. No sales were made during the first five months of the year and only ten sales were made during the entire year, five to individuals, three to book dealers and two to libraries.

A few foreign publications have been coming regularly on exchange and several others are now beginning to resume their sendings. Only this week the library received a very large shipment of Swedish publications and also a letter from the New York office of the Swedish government stating that facilities have now been made available for the resumption of shipments of exchange literature and that as soon as practical arrangements can be worked out we will be informed how to send our publications to Sweden. A letter from Chungking asks that we replace the National Central Library on our mailing list as the American postoffice has now resumed parcel delivery to China. It is very probable that similar letters will continue to come. Our part of the exchange can be carried out whenever it is safe to make shipments and whenever the censorship regulations will permit.

Respectfully submitted,

ETHEL MELSHEIMER MILLER, *Chairman.*

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#### REPORT OF THE COMMITTEE ON NECROLOGY

##### I. ROLLAND DAVID FOX.

Rolland David Fox died suddenly October 24, 1943. At the time of his death, Professor Fox was Associate Professor of Bacteriology at Akron University, a position he had held since 1937. While still an undergraduate, he was made Student Assistant in the Department of Biology at Akron University. His studies were interrupted by World War I in 1918. However, he received his Bachelor of Science degree from the University in 1921. In that year he became a Graduate Assistant in Bacteriology, and in the following year was advanced to the rank of Instructor. In 1923 he was granted the degree of Master of Science, having completed "A Sanitary Survey of Summit Lake and Tributaries." He became Assistant Professor of Bacteriology in 1925, and Associate Professor in 1937, which position he held at the time of his death.

In 1926 he was appointed Director of the Division of Laboratories in the Akron Health Department, which he continued to occupy in conjunction with his position at Akron University. He had also been lecturer in bacteriology at Akron City Hospital since 1923. Holding a commission in the U. S. Army Reserve Corps, he attended army medical school at Carlisle Barracks during 1928 and 1930 and was awarded a certificate by that institution. He was U. S. Army Laboratory Officer, 103 General Hospital, in 1929.

Professor Fox was a member of the Ohio Academy of Science, Society of American

Bacteriologists, A. A. A. S., A. A. U. P., International Association Medical Museums, Ohio Association Sanitarians, American Chemical Society, and the American Commission for the Standardization of Biological Stains (Geneva). He was also district examiner for the American Medical Association.

He was one of the founders of Eta chapter of Phi Sigma at Akron University, and was a member of Phi Delta Theta fraternity, serving later as faculty advisor.

He was born at Peninsula, Ohio, on February 10, 1899. He is survived by his widow and one daughter, Frederica.

### II. EUGENE WARREN MENDENHALL.

Eugene Warren Mendenhall died March 24, 1945, at Columbus, Ohio, after an illness of several weeks. He had been associated with the Ohio Department of Agriculture for 37 years, and at the time of his death was State Nursery Inspector.

Mr. Mendenhall was born in Knox County, Ohio, and was graduated by Ohio State University College of Agriculture in 1898. He was a member of the American Association for the Advancement of Science, and the Archaeological and Historical Society of Ohio, Entomological Society of America, as well as the Ohio Academy of Science.

Surviving members of his family are his wife, two daughters, two grandchildren, his brother, and two sisters.

### III. JOHN R. PETERS.

The very promising geological career of John R. Peters was cut short early in July, 1943, when pneumonia caused his death in a week.

He was a most enthusiastic and capable young investigator, and his death is a sad loss both to friends and to science. He was especially interested in the broader aspects of stratigraphy and sedimentation. Sedimentary petrography, and the geology of the Arizona desert occupied most of his hours.

After a year and a half as a Graduate Assistant and junior colleague at the University of Cincinnati, Mr. Peters went to Earlham College as an Instructor in Geology on a temporary appointment. He became a great favorite of students at Earlham, and showed every indication of making good use of his academic opportunities. At the end of this appointment, he returned to Cincinnati as petrographer at the testing laboratory of the U. S. Army Engineers.

His research material and technical library has been preserved against the war release of one of his close geological friends who evinced an interest in seeing certain aspects of the work brought to publication.

Mr. Peters had received the degree of Bachelor of Science from the University of New Mexico. He had also attended the College of the City of New York, and North Carolina State College.

Respectfully submitted,

FREDERICK H. KRECKER,  
*Chairman, Committee on Necrology.*