

ANNUAL REPORT OF THE OHIO ACADEMY OF SCIENCE
1951

Organized 1891
Incorporated 1892
Affiliated with the American Association for the Advancement of Science

OFFICERS AND COMMITTEES FOR 1951-1952

President

W. H. SHIDELER

Vice-Presidents

- | | |
|---|--|
| A. <i>Zoology</i> : A. N. SOLBERG | F. <i>Physics and Astronomy</i> : A. L. LUTZ |
| B. <i>Plant Sciences</i> : F. J. BACON | G. <i>Geography</i> : L. R. FLETCHER |
| C. <i>Geology</i> : C. N. SAVAGE | H. <i>Chemistry</i> : B. M. NORTON |
| D. <i>Medical Sciences</i> : E. R. HAYES | I. <i>Mathematics</i> : C. H. HEINKE |
| E. <i>Psychology</i> : GORDON HENDRICKSON | J. <i>Science Education</i> : C. T. HATHAWAY |
| K. <i>Anthropology and Sociology</i> : E. L. REYNOLDS | |

Secretary

RUSH ELLIOTT

Treasurer

R. M. GEIST

Historian

W. H. ALEXANDER

COMMITTEES

Executive Committee

Ex-officio: W. H. SHIDELER, RUSH ELLIOTT, R. M. GEIST
Elective: R. A. POPHAM, E. S. THOMAS

Membership

- | | |
|---|--|
| A. <i>Zoology</i> : W. C. KRAATZ, Chairman | F. <i>Physics and Astronomy</i> : W. R. KOCH |
| B. <i>Plant Sciences</i> : H. C. EYSTER | G. <i>Geography</i> : C. L. DOW |
| C. <i>Geology</i> : R. P. GOLDTHWAIT | H. <i>Chemistry</i> : E. R. CALEY |
| D. <i>Medical Sciences</i> : G. J. HAMWI | I. <i>Mathematics</i> : |
| E. <i>Psychology</i> : G. A. KELLEY | J. <i>Science Education</i> : CECIL RISER |
| K. <i>Anthropology and Sociology</i> : W. H. SASSAMAN | |

Nominating

VICE-PRESIDENTS OF 1950-1951, J. O. FULLER, Chairman

Program

VICE-PRESIDENTS AND SECRETARY

Library

ACADEMY LIBRARIAN, Chairman

W. M. TIDD..... Term expires 1953 W. C. BEAVER..... Term expires 1955

Publications

SECRETARY, Chairman

W. M. TIDD..... Term expires 1953
W. C. BEAVER..... Term expires 1955

Conservation

R. A. HEFNER, Chairman. Term expires 1952
J. R. BECK..... Term expires 1952
E. L. RICE..... Term expires 1952
R. W. DEXTER..... Term expires 1953
R. W. FRANKS..... Term expires 1953
L. S. ROACH..... Term expires 1953
OLIVER DILLER..... Term expires 1954
E. E. SANDERSON..... Term expires 1954
C. M. WILSON..... Term expires 1954

Necrology

H. H. M. BOWMAN, Chairman,
Term expires 1952
RODERICK PEATTIE..... Term expires 1953
A. E. WALLER..... Term expires 1954

Resolutions

H. R. EGGLESTON, Chairman,
Term expires 1952
A. W. LINDSEY..... Term expires 1953
G. B. BARBOUR..... Term expires 1954

Trustees of Research Fund

HERBERT O. OSBORN..... Term expires 1952
G. B. BARBOUR, Chairman. Term expires 1953
K. G. A. BUSCH..... Term expires 1954

Academy Representatives

- On the Joint Administrative Board of the Ohio Journal of Science:

W. M. TIDD.....	Term expires 1953
W. C. BEAVER.....	Term expires 1955
- On the Council of the A. A. A. S.: RUSH ELLIOTT.

The Council for 1951-1952

F. J. BACON	R. M. GEIST	C. T. HATHAWAY	E. L. REYNOLDS
G. B. BARBOUR	R. P. GOLDTHWAIT	G. A. KELLEY	CECIL RISER
W. C. BEAVER	E. L. GREEN	W. R. KOCH	W. H. SASSAMAN
E. R. CALEY	G. J. HAMWI	W. C. KRAATZ	C. N. SAVAGE
C. L. DOW	E. R. HAYES	F. H. KRECKER	W. H. SHIDELER
RUSH ELLIOTT	R. A. HEFNER	A. L. LUTZ	A. N. SOLBERG
H. C. EYSTER	C. H. HEINKE	B. M. NORTON	E. S. THOMAS
L. R. FLETCHER	GORDON HENDRICKSON	R. A. POPHAM	W. M. TIDD

REPORT OF THE SIXTIETH ANNUAL MEETING OF THE OHIO ACADEMY OF SCIENCE

The sixtieth annual meeting was held on the campus of Miami University on April 5, 6 and 7. Many of the sectional programs were held in the newest building on the Miami Campus, Upham Hall. The attendance was about six hundred, almost 50% of the total membership of the Academy.

Each section presented a program, and two special field trips were arranged for Saturday, April 7, one in Conservation and another in Geology. The third Annual Science Day of the Junior Academy was extremely successful and was well attended.

The annual banquet and business meeting were held in the dining hall of Oxford College Residence Hall on Friday evening at 6:30. Dr. W. H. Shideler served as toastmaster and President E. E. Hahne extended greetings from Miami University. The response for the Academy was given by Dr. George B. Barbour. The presidential address was given by President E. S. Thomas on the title, "The Distribution of Ohio Animals."

The annual report of the past year's activities presented by the Secretary included a summary of membership, with the present membership being approximately 1,250. One hundred twenty-five new members were added during the past year.

The following persons were announced as newly elected Fellows of the Academy:

E. K. ALBAN	F. W. FOX	E. C. MYERS
L. J. ALEXANDER	H. H. GRAY	ORLANDO PARK
F. L. BERGER	W. M. GREGORY	J. Z. PELTON
N. D. BLACKBURN	E. R. HAYES	E. T. PRICE
R. H. BÖHNING	C. H. HEINKE	CECIL RISER
J. C. BUFORD	H. K. HUTTER	W. H. SHAFFER
E. R. CALEY	D. T. JONES	W. A. SPOOR
D. R. CLIPPINGER	W. F. KIEFFER	G. C. TAGUE
MILDRED DANKLEFSEN	C. A. LAMB	C. S. THORNTON
R. S. DAVIDSON	L. L. LOWENSTEIN	E. G. WESTON
D. R. DODD	W. R. McCONNELL	L. R. WYLIE
PHILLIP DYE	R. E. McKAY	E. K. WILSON
C. W. ELLETT	C. S. MARTIN	

The report of the Nominating Committee was presented by Dr. R. J. Bernhagen, of the Necrology Committee by Dr. H. H. M. Bowman, and of the Resolutions Committee by Dr. H. R. Eggleston.

Respectfully submitted,

RUSH ELLIOTT, *Secretary.*

REPORT OF THE EXECUTIVE COMMITTEE AND COUNCIL

The Executive Committee met on December 7, 1950, and again on April 5, 1951, and the Council on December 8, 1950, and again on April 5, 1951.

As a result of three new types of membership provided last year by amendments to the Constitution, one affiliate membership, 8 corporation memberships and 15 institution memberships are now held in the Academy.

Many items relative to the normal operation of the Academy were considered at the meetings. The Council accepted with regret the resignation of Mrs. Margaret McCartney as Librarian for the Academy.

The Council authorized the appointment of a special committee to make plans for and initiate preparations for the publication of an "Ohio Flora." This committee (Dr. Lucy Braun, chairman; Dr. Glenn W. Blaydes, Dr. Charles A. Dambach, Dr. J. Arthur Herrick and Dr. John N. Wolfe) presented a report and recommended steps to be followed in the production of such a work. A committee is being appointed to carry on this project.

The 1952 annual meeting is to be held at Kent State University on April 17, 18, and 19.

Respectfully submitted,

RUSH ELLIOTT, *Secretary.*

REPORT OF THE TREASURER

COLUMBUS, OHIO, April 5, 1951.

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, 1950. The books have been audited and the opinion of the auditor is herewith attached.

Respectfully submitted,

ROBERT M. GEIST, *Treasurer.*

OHIO ACADEMY OF SCIENCE STATEMENT OF INCOME AND EXPENSE For the year ending December 31, 1950

CURRENT EXPENSE FUND

INCOME:	
Membership dues 1950 and prior years.....	\$3,512.50
Sale of Publications.....	28.21
Interest on U. S. Savings Bonds.....	47.50
Miscellaneous.....	3.50
Total Income.....	\$3,591.71
EXPENSES:	
Subscriptions—Ohio Journal of Science.....	\$1,895.49
Postage, Printing, Bank Charges, Office Expense, Auditing, etc.....	1,414.86
Total Expense.....	3,310.35
Excess of Income over Expenses.....	\$ 281.36

RESEARCH FUND

INCOME:	
Interest on Bonds.....	\$59.50
Dividends on Stock.....	25.00
Total Income.....	\$ 84.50
EXPENSES:	
Bank Service Charges.....	1.28
Excess of Income over Expenses.....	\$ 83.22

CASH BALANCES

CURRENT EXPENSE FUND:	
Cash Balance—January 1, 1950.....	\$ 687.77
Net Cash Receipts.....	3,619.96
	\$4,307.73
Less: Expenses.....	3,310.35
Cash Balance—December 31, 1950.....	\$ 997.38
RESEARCH FUND:	
Cash Balance—January 1, 1950.....	\$ 224.84
Net Cash Receipts.....	84.50
	\$ 309.34
Less: Expenses.....	1.28
Cash Balance—December 31, 1950.....	\$ 308.06

AUDITOR'S CERTIFICATE

January 31, 1951.

The Ohio Academy of Science, Columbus, Ohio.

GENTLEMEN:

In accordance with your request, we have made a detailed audit of the records of the Treasurer of The Ohio Academy of Science for the year ended December 31, 1950.

All cash receipts were traced to the bank and were found to have been deposited intact. Cancelled checks were on file for all disbursements and were examined. Cash balances were verified by certificates obtained from the banks.

The securities held in the two funds were verified by examination, and the income therefrom properly accounted for. The securities are held in a safety deposit box at the Huntington National Bank.

In my opinion, based upon such examination, the statements presented herewith present the financial condition of The Ohio Academy of Science as of December 31, 1950, and the transactions for the year January 1, 1950, to December 31, 1950.

Respectfully submitted,

JESSE H. BALDWIN.

REPORT OF THE TRUSTEES OF THE RESEARCH FUND

To the Ohio Academy of Science:

The Trustees of the Research Fund present the following report of receipts and expenditures during the past year:

RECEIPTS:

Bank balance on January 1, 1950.....	\$224.84
Income from Investments.....	84.50
Interest from U. S. Bonds, etc., since January 1, 1951.....	36.00
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	\$345.34
Less bank charges.....	1.28
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Cash Income.....	\$344.06
1950 credit available from A. A. A. S.....	270.50
	<hr/>
Total.....	\$614.56

EXPENDITURES:

Grant to Mrs. Ethel Miller (February 7, 1951) to help defray costs of Index to the Ohio Naturalist and the Ohio Journal of Science.....	\$100.00
Grant to Miss Elizabeth W. Smith, Kent State University, "Research on Endocrinology in Bats".....	70.50
Grant to the Committee on "Flora of Ohio," Dr. Lucy Braun, University of Cincinnati, Chairman.....	200.00
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Total.....	370.50
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Balance April 9, 1951.....	\$244.06

Respectfully submitted,

HERBERT OSBORN,
 GEORGE B. BARBOUR,
 E. N. TRANSEAU, *Chairman.*

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

The annual meeting of the Joint Administrative Board of The Ohio Journal of Science was held in Columbus, Ohio, February 24, 1951. The meeting was called to order by Dr. Spieker. Present were Drs. Spieker and Meyer, representing the Ohio State University, Drs. Tidd and Hefner, representing the Ohio Academy of Science, and Drs. Green, Blaydes, Popham, and Böhning, of the Ohio Journal of Science staff.

Dr. Spieker was re-elected to serve as Chairman of the Board. The minutes of the preceding meeting were read and approved.

The report of the Business Manager was mainly in the form of a financial statement for Volume 50, a copy of which is attached to this report. The report was accepted and placed on file.

The Board passed a resolution asking that the Council of The Ohio Academy of Science be requested to continue to pay the authors' one-half share of the cost of illustrations for papers published in The Ohio Journal of Science.

Dr. Tidd was appointed to select a person of his choosing to help him in performing the annual auditing of the Business Manager's account.

Dr. Böhning presented an informal report of the Advertising Representative of the Journal. He said that during the past year 17 companies have placed advertising in the Journal, and a number of these have contracted for space during 1951. The present emergency has made necessary a cutback in the advertising appropriations of a number of companies which had expressed interest in the Journal as an advertising medium. Every effort, however, is being made to increase the amount of space devoted to advertising. Although the cost of securing advertising is high, it has more than paid for itself and has made a sizeable contribution to the operating funds of the Journal.

The Board suggested that the Business Manager and Advertising Representative approach the Business Manager or other proper officials of The Ohio State University and request their assistance in the solicitation and procurement of advertising contracts from suppliers.

Dr. Blaydes, Editor of Volume 50, reported that 306 pages of text material had been published in Volume 50 in comparison with 252 pages for Volume 49, an increase of 21 percent. Forty-six papers representing fifteen fields of science were published in Volume 50. Comparative figures for Volume 49 are forty-one papers in thirteen fields. Thirteen book reviews and announcements were also printed. A historical sketch of The Ohio Journal of Science was also presented to the Board.

The Board directed that the historical sketch of the Journal be submitted to the Editor for publication in The Ohio Journal of Science.

The Joint Administrative Board of The Ohio Journal of Science accepted with regret the resignation of Dr. G. W. Blaydes as Editor-in-Chief, and expressed its deep appreciation for his long services on behalf of the Journal.

Dr. Green was elected Editor-in-Chief, Dr. Popham, Business Manager, and Dr. Böhning, Advertising Representative for Volume 51 of the Journal.

Dr. Green reported that the March issue of the Journal was now in page proof and that the May issue is in galley proof. The May issue is to contain an ecological symposium on the Glacial Border. In addition to these two numbers, nine manuscripts are in various stages of processing for publication. Dr. Green said that the vice-presidents of the Ohio Academy of Science sections had been informed of their functions as Associate Editors and cooperation in soliciting manuscripts in their respective fields had been invited. The recently appointed book review editor, Dr. C. M. Wilson, has many reviews in preparation which will soon begin to appear in the Journal.

Dr. Popham proposed a plan to be known as "The Ohio Journal of Science Award for Excellence in Research." After a discussion in which several suggested changes were offered, Dr. Meyer moved, seconded by Dr. Tidd: (1) that the Board is favorably inclined to the principle of the proposal, (2) that the plan as submitted be referred to Dr. Popham and Dr. Green for revision in the light of the discussion, (3) that the revised proposal be circulated to all members of the Board, (4) that Drs. Popham and Green poll the Board by mail on the revised plan, (5) that if the vote is unanimously favorable, the plan should be placed in effect at the time of the next meeting of The Ohio Academy of Science.

A drawing was held by lot to determine the field in which the awards for the year 1951-1952 will be presented. The lot chosen by Dr. Blaydes indicated the field of Chemistry.

There being no further business, the Board adjourned on a motion by Dr. Meyer, seconded by Dr. Hefner.

Respectfully submitted,

RICHARD A. POPHAM,
Secretary of the Board.

THE OHIO JOURNAL OF SCIENCE

Fiscal Year 1950

(Volume 50, Fiscal Year, January 18, 1950, to January 18, 1951)

RECEIPTS

Bank Balance, January 18, 1950.....	\$ 198.92
Ohio State University—Paid for Subscriptions.....	750.00
Ohio Academy of Science—Paid for Subscriptions.....	1,782.00
Non-members—Paid for Subscriptions.....	512.32
Sale of Separate Numbers, Volumes, and Reprints.....	1,680.22
Authors—Paid for one-half Cost of Plates.....	191.14
Ohio Academy of Science—Paid for Annual Report.....	99.99
Miscellaneous.....	27.73
Advertisements.....	877.49

\$6,119.81

EXPENDITURES

Spahr and Glenn—Printing Journal.....	\$3,635.46
Spahr and Glenn—Mailing Envelopes.....	126.72
Spahr and Glenn—Reprints.....	259.02
Advertising.....	153.62
Bucher Engraving—Plates.....	275.16
Postage and Express.....	276.55
Office Supplies and Bank Charges.....	86.88
Refunds.....	4.37
Secretary and Labor.....	194.84
Bank Balance, January 18, 1951.....	1,107.19
	\$6,119.81

REPORT OF THE COMMITTEE ON CONSERVATION

The Conservation Committee expresses pleasure with the formation of the Ohio Department of Natural Resources and its appointment of qualified personnel and its effective progress to date; the Committee is also pleased with the cooperation which exists within the several divisions of the department and commends the work of the Director and the Division Chiefs.

The Conservation Committee recommends the teaching of Conservation in connection with courses, including soils and geological materials, biology, geography, general science, economics, civics, etc., in the public schools. The Committee recommends a wider use of field study in the schools.

The Conservation Committee commends the fine work of the Ohio Conservation Laboratory and believes that colleges and universities should include more field work in their curricula.

Respectfully submitted,

E. S. THOMAS,	E. L. RICE,
P. B. SEARS,	R. W. DEXTER,
F. J. WRIGHT,	R. W. FRANKS,
R. A. HEFNER,	L. S. ROACH,
	J. R. BECK, <i>Chairman.</i>

REPORT OF THE COMMITTEE ON NECROLOGY

The Necrology Committee reports with deep regret the death of eleven members of the Academy since the last annual meeting. The following memorial statements were prepared from material submitted by relatives and colleagues of the deceased members.

Respectfully submitted,

KARL VER STEEG,
RODERICK PEATTIE,
H. H. M. BOWMAN, *Chairman.*

DANIEL R. BARR

Dr. Daniel R. Barr, Physician of Grand Rapids, Ohio, member of the Medical Science Section since 1936, was born in Fostoria, Ohio, on May 15, 1886. After attending the public schools there he came to Toledo and attended the old Toledo Medical College from which he was graduated in 1911. In that year he also married Miss Ida May Powell. After receiving his M.D. degree he pursued graduate work at Harvard Medical School and the University of Michigan Medical School.

He settled in Grand Rapids, Ohio, in general practice and remained until 1915. Then he enlisted in the Red Cross and served in Europe during World War I. Upon his return to the United States he joined the Taylor Instrument Co. as Medical-Director of Research and remained in this post until 1932. He is credited with doing important research in the development of the iron-lung, and the recording sphygmomanometer.

In 1933 he returned to Grand Rapids, Ohio, and again took up his practice. He promoted the water works for his community and organized the Chamber of Commerce. He was a member of the Exchange Club, the Masonic Lodge, Scottish Rite Masons, the Presbyterian Church and the Wood County Park Board.

In Toledo he was staff member of St. Vincent's and Flower Hospitals. He also was a member of the Wood County Medical Society, the Ohio Medical Society, and the American Medical Association and, at the time of his death, was national Treasurer of the American Academy of General Practice. He died of coronary thrombosis on May 24, 1950, survived by his wife, Ida. He was buried in Beaver Creek Mausoleum at Grand Rapids, Ohio.

ALBERT WESLEY BOETTICHER

Professor Albert Wesley Boetticher, Botanist at Ohio University, was elected a member of the Botany Section of the Academy in 1929. Professor Boetticher was born in Clarington, Ohio, on December 29, 1885. He received his Bachelor of Science Degree from Ohio University in 1917 and the Master of Science degree from Ohio State University in 1935. From 1905 to 1910 he taught in Ohio public schools and from 1911 to 1914 was connected with high schools in the State as a teacher and supervisor. In 1916 he became a member of the faculty at Ohio University.

Professor Boetticher's special field of interest was the ecology of forests in Southern Ohio. He served on the White Pine Survey of the U. S. Forestry Service. He was a member of the A.A.A.S., the American Association of University Professors, and was a charter member of the Association of American Taxonomists.

In 1914 he married Miss Hazel Bowen and to this marriage a son, Robert, was born. On March 4, 1951, Professor Boetticher passed away at his farm home near Athens, Ohio, of heart disease. He is survived by his wife and son. Interment was made in Clarington Cemetery, Clarington, Ohio.

RAYMOND AUSON DOBBINS

Professor Raymond Auson Dobbins, Albany College of Pharmacy, was elected a member of the Botany Section in 1921, created a Fellow in 1938, and Vice-President in 1938. Professor Dobbins was born at Kokomo, Indiana, on December 31, 1895. He received the Bachelor of Science degree at Ohio Northern University in 1917 and the Bachelor of Arts degree from Ohio State University in 1920. He was a University Scholar from 1922 to 1923 and an Instructor in Botany from 1923 to 1926. In 1922 he attained the Master of Science degree and the Ph.D. was awarded in 1937 by Ohio State University.

From 1926 to 1945 he was assistant professor at Ohio Northern and professor from 1945 to 1948. From 1948 to his death in 1951 he was Professor of Botany and Head of the Department in the Albany College of Pharmacy of Union University, Albany, N. Y. In September, 1950, he was certified as Senior Scientist in Botany for the Museums of the State of New York. From 1917 to 1919 he served his country in the U. S. Army. During the summers of 1920 to 1923 he was Field Assistant for the U. S. Department of Agriculture.

Professor Dobbins was a member of the A.A.A.S., the American Botanical Society, the Phytopathologists, and the American Ecological Society. He published papers on mosaic diseases of tomato, and ecology of Ohio vegetation.

In 1925 he married Miss Louella Phillips. They had two daughters, Esther Ellen Dobbins, now a student at Ohio State University, and Sara Low Dobbins, a student at New York State Teachers College at Albany.

Professor Dobbins died suddenly of an initial attack of coronary thrombosis on November 3, 1950. Following the cremation at Troy, N. Y., his ashes were interred at Ada, Ohio.

ROBERT C. GOWDY

Dr. Robert C. Gowdy, University of Cincinnati, was made a member of the Physics section in 1913 and a Fellow in 1920. Dr. Gowdy was born in Springfield, Ohio, on March 10, 1886, and received the B.A. degree from University of Cincinnati in 1906. In 1906 he was appointed a Hanna Fellow and continued in the Fellowship to receive the Master's Degree in 1907. In 1909 he won his Ph.D. in Physics. In 1947 his alma mater awarded him an honorary D.Sc., and in 1910 he had received the Honorary D.Sc. from Cambridge University, England, and also an honorary D.Sc. from the College de France in 1911. His teaching positions included an Instructorship in Physics at Lehigh University in 1911 and 1912. He was called to Cincinnati in 1936 as Professor of Physics and as Dean of the College of Engineering. From 1946 to 1951 he was emeritus Professor.

He served as a Captain in the Chemical Warfare Service of the Army in World War I from 1917 to 1919. He was a member of A.A.A.S., the American Physical Society, the Engineering Education Society, and the Physics Teachers Association. He was a specialist in the study of secondary x-rays from metals.

In 1914 he married Miss Mable Greely and to them was born one son, William P. Gowdy. Dr. Gowdy died on March 27, 1950, of heart disease and was interred in Spring Grove Cemetery in Cincinnati.

LYNDS JONES

Dr. Lynds Jones, Oberlin College, was made a member of the Zoology section in 1894 and a Fellow in 1920. Dr. Jones was born at Jefferson, Ohio, on January 5, 1865. His education was secured at Grinnell College for two years, 1888-1890, and then at Oberlin College where he received his M.Sc. degree in 1895. He was a graduate Fellow at the University of Chicago in 1904-05 and received his Ph.D. degree in 1905. From 1905 to 1920 he was connected with Oberlin and for 30 years was curator of its museum. From 1920 to 1931 he was head of the Department of Zoology and Geology and from 1931 to 1951 he was Professor Emeritus. He was also Director of the Lake Laboratory of Ohio State University and Editor of the "Wilson

Bulletin' from 1892 to 1924. He was a member of the A.A.A.S., the Ornithological Union, and the American Ecological Society. He was a student of bird migration, moulting, bird skeletons, and the birds of Ohio.

In 1890 Professor Jones married Miss Clara Mabelle Tallman. Of this union four children survive: Lynds L. Jones of Baton Rouge, La., Mrs. Max W. deLaubenfels of Corvallis, Oregon, Professor George T. Jones of Oberlin College, and Professor Harold C. Jones of Greenville, North Carolina. Dr. Jones died of uremia on February 11, 1951, and after cremation his remains were interred at Oberlin, Ohio.

ROSS BAKER KEFAUVER

Mr. Ross Baker Kefauver, of Bexley High School, Columbus, Ohio, was made a member of the Chemistry Section in 1949. Mr. Kefauver was born in Stoutsville, Ohio, on April 24, 1894, and received his B.S. degree from Heidelberg College and his Master of Science degree from Ohio State University. He was a veteran of World War I and upon his return from the service became principal of the High School at Canal Winchester, Ohio, in 1919. He remained here until 1931 when he went to Bexley as a science teacher where he remained until his death. He was a member of the American Chemical Society, the National Association of Science Teachers, Masons, American Legion, and the Methodist Church.

In 1922 he married Miss Virginia Burtner and to this union were born a son, Weldon A. Kefauver, and two daughters, Lenore and Louise Kefauver, all of Columbus. Mr. Kefauver succumbed to general carcinoma on September 22, 1950, and was interred in Glen Rest Cemetery in Columbus, Ohio.

BURDETTE H. LOWE

Professor Burdette H. Lowe of Akron University was made a member of the Mathematics Section of the Academy in 1948. Professor Lowe was born in Polk, Ohio, on March 15, 1898. He attended Ashland College from 1915 to 1917 and Akron University in 1919-20. Then he transferred to Montana State College and received his B.Sc. degree in 1921. In 1925 he attended the University of Colorado and received the Master of Science degree. During the years 1931 and 1932 he was enrolled as a graduate student at Ohio State University. In experience he was employed as Mathematics Instructor at Montana State College from 1921 to 1928, and as Professor of Mathematics and Physics at Ashland College from 1930 to 1931. Then he was employed by the rubber industries as an accountant from 1934 to 1947 and from 1947 until his death in 1950 as Instructor in Mathematics at Akron University. Mr. Lowe had never married.

His special interests in Mathematics lay in Cubic Equations and the History of Mathematics. He was a member of the Mathematics Association of America and Pi Kappa Phi. He died on April 24, 1950, of cardiac failure and was buried at Polk, Ohio.

JESSE MATHEWS ROBINSON

Professor Jesse Mathews Robinson of Alabama Polytechnic Institute, Auburn, Alabama, was made a member of the Zoology Section in 1914. Professor Robinson was born in Higginsport, Ohio, on January 30, 1889, and received his A.B. degree from Miami University in 1911, and the M.A. from Ohio State University in 1916. He taught science in Ohio schools from 1911 to 1915 and was a principal from 1915 to 1917. In 1915-16 he was assistant in Zoology and Entomology at Ohio State University. From 1917 to 1918 he was engaged as extension worker for the U. S. Department of Agriculture in North Carolina and Tennessee. In 1919 he accepted the position as Assistant Professor of Zoology and Entomology at the Alabama Polytechnic Institute. In 1921 he became Associate Professor and in 1924 Professor and head of the Department until his death. He was a member of the A.A.A.S., Economic Entomologists, the American Entomological Society, and the American Genetics Association. His special fields of investigation were cotton insect pests, the boll weevil, red spider, boll worm control, insect pests of vegetables, and the life cycle of the banded beetle.

On August 21, 1919, he was married to Lena May Shinkle. They have no children. Professor Robinson died on August 27, 1949, of coronary thrombosis. He is interred at Felicity, Ohio.

CHARLES G. ROGERS

Dr. Charles G. Rogers, Oberlin College, became a member of the Zoology Section of the Academy in 1913 and was made a Fellow in 1920. Dr. Rogers was born in Perry, New York, on March 4, 1875. In 1897 he received the A.B. degree from Syracuse University and the M.A. in 1899. The honorary Sc.D. was conferred upon him by his alma mater in 1920, a similar honor from the University of Chicago in 1920. He secured his Ph.D. from California in 1904. He was an instructor in Zoology at Syracuse from 1899 to 1902, an assistant professor at Chicago in 1902 and at California from 1902 to 1904. He was assistant professor at Kansas in 1904 and from 1905 to 1913 was professor at Syracuse. He then became professor and head of the department at Oberlin College, until his retirement as emeritus in 1941. During 1942-43 he was

visiting professor of Zoology at Duke University and from 1915 to 1930 was on the teaching staff at Woods Hole Biological Station. He was a member of the American Zoological Society, the American Society of Physiologists, and was a student of comparative physiology and heat production.

In 1906 he married Miss Rose Humann to which union two children were born, Mrs. Mary Rogers Nute and Martin H. Rogers. Professor Rogers died at Oberlin on October 12, 1950, of acute myocardial infection, is survived by his wife and the son and daughter, and was interred in that city.

• JAMES JESSE TURNER

Dr. James Jesse Turner, Hiram College, elected to the Plant Science Section of the Academy in 1946. Dr. Turner was born in Hiram, Ohio, on August 24, 1880. He received his Ph.B. from Hiram College in 1902 and his M.Sc. in 1913. In 1923 he received the Ph.D. from the University of Chicago. In 1902-03 he taught in high schools in Ohio, in 1903-04 in Illinois, and in 1904-06 in Indiana. In 1906 he became Professor of Biology at Hiram College where he remained until his death. He was a member of the A.A.A.S. His special field of investigation was the morphology of Lycopodium.

In 1906 he married Miss Bertha Clement and to them were born four children, Robert Turner, Ralph Turner, Phillip Turner and Mary Elizabeth Turner. Dr. Turner died on April 22, 1950, of cancer and was interred at Hiram, Ohio.

OTTO C. VONSchLICHTEN

Professor Otto C. VonSchlichten, University of Cincinnati, was made a member of the Geology Section of the Academy in 1928 and advanced to Fellowship in 1929. Professor VonSchlichten was born in Cincinnati on July 19, 1886, and was graduated from the University of Cincinnati with the A.B. degree in 1911. He pursued graduate work at the University of Wisconsin during the years 1912 and 1913 and also at the University of Michigan in the summers of 1920 and 1921. In 1911 he was appointed Instructor in Geology and German in the University of Cincinnati. From 1913 to 1915 he served as geologist for the Bureau of Geology and Mines of the State of Missouri. In 1915 and 1916 he was Instructor of Geology in the University of Cincinnati. In 1916 and 1917 he was Instructor of Geology at Lehigh University and in 1917 he returned to Cincinnati as Assistant Professor of Geology in which rank he taught until 1940. At that time he was advanced to the rank of Associate Professor which position he retained to his death. Professor VonSchlichten was a member of Phi Beta Kappa, Sigma Xi, Fellow of the Mineralogical Society of America, and the A.A.A.S. and a member of Alpha Delta chapter of Sigma Gamma Epsilon. His field of study and interest was geology, especially mineralogy and petrography. He published a treatise on "Landslides in the Vicinity of Cincinnati" in the "The Compass" of March, 1935. In 1914 he married Miss Anna Erlwein and to this union were born Captain Harold C. VonSchlichten and Margaret VonS. Myers (Mrs. Eugene F. Myers). On October 4, 1950, Professor VonSchlichten suffered a fatal heart attack and was buried in the Vine Street Cemetery, Cincinnati, Ohio.

REPORT OF COMMITTEE ON RESOLUTIONS

Be it Resolved, that the members of the Ohio Academy of Science express to the faculty and administration of Miami University their appreciation of the fine facilities furnished and the hospitality so freely extended, which have made our sixtieth annual meeting so pleasant and successful.

Be it Resolved, that the members of the Academy record our appreciation to Mrs. Margaret McCartney for her services as librarian for the past year, a position from which she has recently resigned.

Be it further Resolved, that the Ohio Academy of Science record our sincere appreciation to Dr. Glenn W. Blaydes who has served as editor of the Ohio Journal of Science for ten years. Dr. Blaydes has done an excellent job of editing our Journal these difficult years, for which we, as an organization and as individuals, wish to express our gratitude. In this connection it seems desirable to record the fact that the November, 1950, issue marked the 50th anniversary of the Ohio Journal of Science, for which we wish to express our appreciation to all who have in one way or another contributed to the maintenance of this publication at its high level of scientific journalism.

Respectfully submitted,

H. R. EGGLESTON,
A. W. LINDSEY,
W. C. BEAVER, *Chairman.*