

1943

## Reports - Standing Committees of the Iowa Academy of Science

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## PROCEEDINGS OF THE IOWA ACADEMY OF SCIENCE

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### STANDING COMMITTEES OF THE IOWA ACADEMY OF SCIENCE

BIOLOGICAL SURVEY: H. E. Jaques, T. C. Stephens, R. B. Wylie,  
H. S. Conard, *Chairman*.

CONSERVATION: Charles Carter, A. F. Dodge, H. S. Doty, G. O.  
Hendrickson, Charles R. Keyes, G. B. MacDonald, Everett  
Speaker, J. M. Aikman, *Chairman*.

HIGH SCHOOL RELATIONS: E. R. Becker, Paul Risley, D. C.  
Stroud, F. E. Brown, *Chairman*.

MEMBERSHIP: R. W. Getchell, D. L. Holl, L. D. Weld, Paul E.  
Kambly, *Chairman*.

FINANCE AND ENDOWMENT: J. C. Gilman, U. A. Hauber, E.  
W. Lindstrom, J. B. Culbertson, *Chairman*.

LEGISLATIVE: C. D. Reed, L. B. Spinney, L. D. Weld, J. H. Bodine,  
*Chairman*.

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### REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee met in the Staff Room of the Library of Coe College at 3:30 p. m., May 1, 1943. President C. W. Lantz presided. Aikman, Brown, Conard, Cornog, Culbertson, Jahn, Kambly, Miller, Nelson, Peterson, Sargent, Smith, Wilson, and Gouwens were present.

The reports of the Secretary and Treasurer, of the Editor, of the Librarian, of the Finance Committee, of the Membership Committee, of the Necrology Committee, of the High School Relations Committee, and of the Conservation Committee were accepted. The Committee on Biological Survey and the Committee on Legislation had no reports to make. These reports are published in the Proceedings of the Iowa Academy of Science.

A motion was made and passed that the Junior Academy should not affiliate with the Science Clubs of America under a contract on present specifications, but that negotiations be continued in an effort to obtain a more satisfactory form of contract.

The report on the accomplishments of research performed with the aid of grants from the A. A. A. S. during 1942-43 was made by the secretary.

The problems connected with the publishing of the Proceedings were discussed. A motion was made and passed that the Secretary and Professor E. R. Smith proceed to negotiate with the State Printer and the Interim Committee of the State Legislature for payment of the 1942 volume of the Proceedings and to arrange for a new contract for the publication of the 1943 volume of the Proceedings.

A motion was made and seconded that the form of the financial reports of the Academy be clarified and that the Finance Committee consider and make recommendations in the matter of accounting and the presentation of the financial statements of the Academy.

The meeting was recessed at 5:30 in order to accept an invitation of Coe College to the members of the Executive Committee to a dinner given to them in the women's dormitories.

The meeting was again called to order at 6:30 p. m. and a nominating committee consisting of Dr. Aikman, Dr. Miller, and Dr. Nelson as chairman was appointed.

A motion was made and passed that the Academy confirm the election of the officers of the Junior Academy of Science now being conducted by a mail vote.

A motion was made and seconded that it was the sense of the Executive Committee that it approve that the meetings of the sections for the reading of papers be held early in the afternoon if the sections or section chairman so desire, provided arrangements for such meetings are made with the Program Committee.

The A.A.A.S. grant of \$123.50 for research was appropriated for research problems as follows:

L. R. Wilson \$36.00 for the purchase of a centrifuge,

Karl A. Stiles \$43.75 for studies in problems in genetics, and to Martin Fritz \$43.75 for studies in problems in Psychology.

The place of next meeting was left to the decision of the newly elected officers.

The Nominating Committee made their report as follows: for President, E. R. Smith; Vice President, Ben H. Peterson; Editor, L. R. Wilson; Secretary, Treasurer, Cornelius Gouwens; as Executive Committeemen for Botany, Miss Louisa Sargent (for one year); for Organic and Biological Chemistry, L. Charles Raiford (for one year); as section chairman, for Organic and Biological Chemistry, George N. Schulte for General and Physical Chemistry, Gerald A. Lillis. For all the other sections of the Academy this year's chairmen were retained. The report was accepted and the nominees declared elected.

A motion was made and seconded that authors publishing papers in the Proceedings publish either by title only or in its entirety only. This dispensed of the problem arising with the publication of inadequate abstracts.

A motion was made and passed expressing appreciation for the hospitality extended by Coe College to the Executive Committee at their meeting here.

A motion was made and passed that all officers be commended for the faithful work and execution of their duties during the past year.

The meeting was adjourned at 7:30 p. m.

Respectfully submitted,

CORNELIUS GOUWENS, *Secretary*

## REPORT OF THE SECRETARY 1943

I was asked to serve as secretary and treasurer when our secretary, E. R. Becker, entered the army in February. The members of the Executive Committee had voted by mail ballot in January of this year not to hold a regular meeting of the Academy of Science this spring, but nevertheless to call for papers and proceed with the publishing of the Proceedings of the Iowa Academy of Science. The Executive Committee was authorized by a separate mail ballot of the membership to carry on the business of the Academy until its next meeting.

The membership of the Academy has held up very well thus far. At the close of the year the total of 669 members was distributed as follows: Honorary fellows 3; Emeritus fellows 3; Life fellows 21; fellows 281; associates 361. It is to be hoped that this membership is preserved.

Mr. D. C. Stroud, Permanent Secretary of the Junior Academy of Science reports that officers for the coming year in that organization will be elected by a mail vote of the member clubs. It is his wish that an effort be made to perfect the organization and to encourage the clubs to hold a Science Day in their respective schools. The Ames Hiatt Junior High School is promoting such a Science Day this year on the time of the April P. T. A. meeting.

The revision of the Constitution and By-Laws has not been completed.

Professor Deardorff, Chairman of the General and Physical Chemistry Section, left the state and Professor W. C. Oelke was appointed to take his place as Chairman. Dr. F. B. Moreland entered the armed forces of the nation and Dr. H. W. Mattill was appointed as Chairman of the Section of Organic and Biological Chemistry.

Respectfully submitted,

CORNELIUS GOUWENS,  
*Secretary-Treasurer*

## REPORT OF THE TREASURER

Jan. 28, 1943

## RECEIPTS 1942-1943

Cash on hand March 1, 1942.....	\$ 259.44
Dues .....	495.05
Sales .....	87.38
A. A. A. Grant .....	123.50
Interest .....	60.76
	<hr/>
	\$1026.13

DISBURSEMENTS 1942-1943

Postage .....	\$ 41.00
Clerical help .....	9.05
Printing, addressograph, etc. ....	87.83
Honoraria .....	180.00
Bad check .....	1.00
Research grants	
A. A. A. S. ....	100.00
	<hr/>
	\$ 418.88
To balance	607.25
	<hr/>
	\$1026.13

Auditing Committee,  
**JOSEPH C. GILMAN**, *Chairman*  
**F. E. BROWN**  
**J. V. MCKELVEY**

ENDOWMENT FUND

Balance March 1, 1941 .....	\$ 613.68
Interest .....	11.73
	<hr/>
Cash on hand .....	\$ 625.41

HOLDINGS

Union Tr. and Sav. Bank, Trust Certificate No. 50509 .....(Unknown Value)	
Federal Farm Mortgage Bond, 1949 .....	\$ 500.00
Federal Farm Mortgage Bond, 1964 .....	500.00
U. S. Treasury Bonds 3¼%, 1946 .....	300.00
U. S. Savings Bonds, 1949 .....	675.00
Midland Investment Corp. Pfd. Stock (2 shares).....	200.00
Midland Theatre First Mtg. Bond 1953 .....	300.00
Account, Union Story Tr. & Sav. Bank .....	625.41
	<hr/>
Total .....	\$3100.41

\$9.75 overdue coupons on U. S. Treasury bonds, 1946, not yet cashed.  
Held for Jr. Acad. Tr. Certificate, Union Tr. & Sav. Bank, No. 50606.

Your committee appointed to audit the books of the Iowa Academy of Science wish to make the following report. We have received the books from the Secretary and Treasurer, **E. R. Becker**, and carefully checked the assets and liabilities of the Academy and find that the records are correct.

**JOSEPH C. GILMAN**  
**J. V. MCKELVEY**  
**F. E. BROWN**

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## REPORTS

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## SUPPLEMENTARY REPORT OF THE TREASURER

Feb. 28, 1943

Cash on hand Jan. 28, 1943 .....	\$ 607.25
Dues .....	3.00
Sales .....	10.42
Interest .....	9.75
	<hr/>
	\$ 630.42
Disbursements Jan. 28, 1943—Feb. 28, 1943	
Honoraria .....	\$ 90.00
Exchange on Checks .....	.18
Postage .....	5.48
Transfer to Endowment fund .....	46.00
	<hr/>
	\$ 141.66
To Balance	488.76
	<hr/>
	\$ 630.42

## ENDOWMENT FUND

Supplementary Report February 28, 1943

Balance Jan. 28, 1943 .....	\$ 625.41
Transfer from Check Account .....	46.00
	<hr/>
Cash on hand .....	\$ 671.41

## HOLDINGS

Union Tr. and Sav. Bank, Trust Certificate No. 50509 ..... (Unknown Value)	
Federal Farm Mortgage Bond, 1949 .....	\$ 500.00
Federal Farm Mortgage Bond, 1964 .....	500.00
U. S. Treasury Bonds 3¼% per cent, 1946 .....	300.00
U. S. Savings Bonds, 1949 .....	675.00
Midland Investment Corp. Pfd. Stock (2 shares) .....	200.00
Midland Theatre First Mtg. Bond 1953 .....	300.00
Account, Union Story Tr. and Sav. Bank .....	671.41
	<hr/>
Total .....	\$3146.41

Held for Jr. Acad. Tr. certificate, Union Tr. and Sav. Bank, No. 50606.

Your committee appointed to audit the books of the Iowa Academy of Science wish to make the following report. We have received the books from the Secretary and Treasurer, Cornelius Gouwens, and carefully checked the assets and liabilities of the Academy and find that the records are correct.

JOSEPH C. GILMAN

J. V. MCKELVEY

F. E. BROWN

### REPORT OF THE FINANCE COMMITTEE (1943)

The "Report of the Treasurer", listing the receipts and disbursements of the Iowa Academy of Science for 1942-43, together with a statement of the financial status of the Endowment Fund have been submitted to the Finance Committee by the Secretary-Treasurer, Cornelius Gouwens. These reports were accompanied by a statement that the books of the former Secretary and Treasurer, E. R. Becker, had been carefully checked for the assets and liabilities of the Academy and the records found correct, according to the auditing committee of Joseph C. Gilman (chairman), F. E. Brown and J. V. McKelvey.

The Finance Committee has examined these reports and puts its approval upon them.

Members of the Committee:

U. A. HAUBER

E. W. LINDSTROM

J. B. CULBERTSON, *Chairman*

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### REPORT OF THE FINANCE COMMITTEE

Enclosed is the report of the action of the Finance Committee of the Iowa Academy of Science for 1942-43.

Copies of the "Report of the Treasurer" and "Endowment Fund" were sent to the other two members of the Finance Committee. They have approved the report. No other activity of our committee appears desirable at this time.

Signed—J. B. CULBERTSON, *Chairman*

Finance Committee, Iowa  
Academy of Science

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### REPORT OF THE EDITOR

The Proceedings of the Iowa Academy of Science for 1942 are published in volume 49. It is a publication of 549 pages. The first 41 pages contain a list of members, reports of officers, committees and the In Memoriam section. Four hundred and ninety-nine pages are devoted to scientific papers and reports by 130 members of the Academy. The index of the volume is contained in nine pages.

The editor wishes to express his appreciation to the chairman of the sections and the authors who gave their help in solving the many problems that have arisen during the past abnormal year.

Respectfully submitted,

L. R. WILSON, *Editor*

May 1, 1943.

THE REPORT OF THE IOWA STATE COLLEGE LIBRARY TO  
THE IOWA ACADEMY OF SCIENCE FOR THE YEAR  
ENDING ON FEBRUARY 28, 1943

During the year 1942-43, the distribution of the Proceedings of the Iowa Academy of Science to institutions in foreign countries was greatly curtailed because of the war. Since December 7, 1941, the Library has sent out only the volumes designated for individuals and institutions in this hemisphere and to certain institutions in Great Britain which expressly requested that their copies be forwarded. The volumes not forwarded will be held by the Library for the duration. Similarly, many foreign institutions are now holding publications which are normally sent us on exchange for the Proceedings. The figures which follow, therefore, do not represent the series actually received, but the number of publications due us on exchange.

Number of Institutions on Mailing List:

Domestic .....	125
Foreign .....	62
	<hr/>
	187

Number of Publications normally received from these institutions:

Domestic .....	370
Foreign .....	170
	<hr/>
	540

Number of Publications received in direct exchange:

Domestic .....	60 from 42 institutions
Foreign .....	24 from 22 institutions
	<hr/>
	84      64

Number of Publications Normally Received in Exchange for Iowa  
Academy of Science Proceedings Plus Publications of Iowa  
State College:

Domestic .....	310 from 55 institutions
Foreign .....	146 from 38 institutions
	<hr/>
	456      93

Note: These publications are normally received for a combination of the Iowa Academy of Science Proceedings with any of the following: Iowa State College Journal of Science, Iowa Agricultural Experiment Station publications, Iowa Engineering Experiment Station Bulletin.



**Institutions receiving the proceedings as gifts:**

- 6 U. S. Government Agencies
- 22 Iowa Libraries
- 2 Foreign Institutions (For abstracting)

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Submitted by,  
CHARLES H. BROWN

**REPORT ON IOWA ACADEMY OF SCIENCE SALES FUND:**

Balance on hand February 28, 1942.....	\$127.41	
Sale of Volumes of Proceedings		
\$97 Plus \$1.97 postage .....	98.97	
Total Receipts .....		\$226.38
Disbursements for Postage		
Postage for Volumes Sold .....	1.97	
Postage for membership and subscription copies, vol. 48 .....	17.46	
Total Disbursements .....		19.43
Balance 3-1-43 .....		\$206.95

**REPORT OF THE MEMBERSHIP COMMITTEE**

The membership committee submits the following recommendations for the year 1943.

1. That Mark F. Boyd be elected honorary fellow, as recommended by Dr. E. R. Becker.
2. That six (6) Fellows be elected.
3. That one (1) member be transferred from Associate to Fellow.
4. That eight (8) new associates be elected.

The names of the proposed members are as follows:

**Honorary Fellow**

Boyd, Mark F. (F).....615 East Sixth Ave., Tallahassee, Florida

**Fellows**

- Gayer, H. Kenneth, Dr. (F).....Grinnell College, Grinnell, Iowa
- Hjermstad, Erling (C).....Coe College, Cedar Rapids, Iowa
- Rose, E. T. (F).....Fisheries Supervisor, Decorah, Iowa
- Thielman, H. P., Dr. (A).....Iowa State College, Ames, Iowa
- Robinson, W. Merle, Dr. (C) Consultant, Fallen Animal, Industry,  
Northwestern Area, Waste Recovery, Feedstuffs, Montezuma, Iowa
- Swanson, Leonard W. (A).....Coe College, Cedar Rapids, Iowa

Transfer from Associate to Fellow

Speaker, E. R. (F) Iowa State Conservation Commission, Des Moines

Associates

Bass, Louis N. (G).....State University, Iowa City, Iowa  
 Coffey, George (G).....State University, Iowa City, Iowa  
 Ferrel, Edwin W. (I).....1621 Allison St., Des Moines, Iowa  
 King, C. L. (F).....Prairie City, Iowa  
 Krezek, K. . (F) Iowa State Conservation Commission, Des Moines  
 Scheidemann, Norma V. (I).....Drake University, Des Moines, Iowa  
 Schubert, Ralph (I).....Drake University, Des Moines, Iowa  
 Wright, L. D. (F).....Fisheries Supervisor, Lake View, Iowa

Signed:

R. W. GETCHELL

D. L. HALL

L. D. WELD

PAUL E. KAMBLY, *Chairman*

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REPORT OF THE COMMITTEE ON CONSERVATION

In 1942 the committee was organized on a subject matter interest basis. Each member of the committee was selected for the particular contribution which he could make to an important phase of the comprehensive conservation program for the state considered worthy of the efforts of the Iowa Academy of Science. In the development of this program your committee assumed the obligation of (1) The organization and presentation of information in each of the following conservation fields: General wildlife interest and state park areas, Game management, Fish management, Archeology, Water supply, Forests, Soil and water conservation; (2) Recommendations to the Academy relative to each of these fields; (3) The formulation through the Academy of a conservation policy and program in each of the fields and possibly in others.

During the past year the members of the committee have been working on the organization of information in the several conservation fields preparatory to its presentation to the Academy at the annual meeting. This work is continuing and will be presented later in the general meeting of the Academy or in the form of special reports to the Academy. The committee plans to complete its preliminary study and the organization and preparation of this material for brief presentation before the time of the annual meeting in 1944. The time and manner of the presentation of this preliminary report will be determined by the Academy.

The conservation committee has been cooperating with a special committee for Iowa of the Committee of the Ecological Society of America on the preservation of Natural Conditions, in a study of this problem in Iowa. In this cooperation the efforts of Dr. Ada

Hayden, chairman of the special committee and of Mrs. Addison Parker have been of value to your committee.

CHARLES CARTER

H. S. DOTY

G. O. HENDRICKSON

EVERETT SPEAKER

CHARLES R. KEYES

W. E. GALLIGAN

G. B. MACDONALD

A. F. DODGE

J. M. AIKMAN, *Chairman*

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#### REPORT OF THE COMMITTEE ON BIOLOGICAL SURVEY

The committee has no report to make for this year, 1942-43.

Signed—HENRY S. CONRAD, *Chairman*

Committee on Biological Survey

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#### REPORT ON THE COMMITTEE ON LEGISLATION

The committee on Legislation of the Iowa Academy of Science has nothing to report for this year, 1942-43.

Signed—J. H. BODINE, *Chairman*

Committee on Legislation

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#### REPORT OF THE COMMITTEE ON HIGH SCHOOL RELATIONS FOR THE ACADEMY YEAR 1942-43

During this year the major activity of this committee has been an effort to secure an agreement with Science Service represented by Watson Davis which would secure the benefits of membership in both the Junior Academy of Science of Iowa and Science Clubs of America.

The forms of agreement submitted by Mr. Davis have been changed several times but at no time has any definite obligation of Science Clubs of America to the Junior Academy of Science been recognized. The final Memorandum of understanding submitted by Watson Davis as amended by a telegram and a supplementary sheet of insertions sent sometime later provides:

Sec. 2. Science clubs will be affiliated with SCA without payment of a fee . . . . Affiliated clubs shall have the privilege of contributing financially to SCA for the support of the science clubs movement and upon a contribution of \$2.00 or more a club will receive a charter suitable for framing and membership cards for its members.

Sec. 8. . . . all applications for affiliation shall be received at 1719 N St N W Washington, D. C. together with . . . contributions made for the purpose of obtaining membership cards, charters,

etc. . . . Cooperator (Junior Academy of Science of Iowa) may at its discretion receive fees from science clubs that voluntarily wish to participate in the Cooperator's activities, but failure of a science club thus to participate in the Cooperator's program shall in no way influence or affect the affiliation of the club with SCA.

Sec. 9. Any club not previously affiliated with SCA that joins in the Cooperator's activities shall by that action become affiliated with SCA and Cooperator shall notify SCA of such clubs.

Sec. 10. Provides that Cooperator organize clubs, hold local state and regional meetings, keep in touch with all clubs, send information to Science Service, carry SCA on all programs, literature, etc.

It is evident that the Junior Academy might assume responsibility for servicing many clubs whose only membership was in SCA and would have no claim on any club organized by SCA. On the other hand, SCA automatically acquires all clubs organized by the Junior Academy and has a charter, and membership cards to offer to them for a fee immediately. Since the Junior Academy of Science of Iowa does not have resources sufficient to underwrite the probable costs of the service to clubs, many of which would not be affiliated with the Academy, and since there is no way to be sure that increasing numbers of clubs would produce any income, we have not yet reached an agreement with SCA.

Since the negotiations were a continuation of the negotiations of the previous year, the correspondence has been conducted by President Lanz and Secretary Becker.

F. E. BROWN, *Chairman*

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#### REPORT OF THE COMMITTEE ON NECROLOGY

The committee reports that the members of the Academy whom have passed on are:

Joseph Charles Arthur  
James Fredereck Clarke  
Mrs. Alice B. Halstead  
Charles Rollin Keyes  
Nicholas Knight  
Henry Scholte Nollen  
John Franklin Reilly  
Luther Sherman Ross

Memorials on these members are presented for publication in the Proceedings of the Iowa Academy of Science.

Signed:

R MONROE MCKENZIE  
CHARLES REUBEN KEYES  
ROSCOE WOODS  
I. F. NEFF  
J. C. GILMAN

E. J. CABLE, *Chairman*