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**PROCEEDINGS OF THE FIFTY-SEVENTH MEETING OF
THE IOWA ACADEMY OF SCIENCE
Held at Cedar Rapids April 15, 1944**

MINUTES OF THE 1944 MEETING

The fifty-seventh meeting of the Iowa Academy of Science was called to order by President E. R. Smith in the Crystal Ball Room of the Montrose Hotel at 10:30 A. M., April 15, 1944. The following committees were appointed by the president:

NECROLOGY: Jaques, Bond, Drake, Hayden, Hendrickson, Theobald, Wylie, Trowbridge.

RESOLUTIONS: G. W. Martin, VanEngen, E. W. Anderson.

NOMINATIONS: C. W. Lantz, McClenon, R. A. Nelson.

The Academy met in the Montrose Hotel because of the crowded conditions in the colleges due to the Army Specialized Training Program which was in progress during the winter and spring of 1944.

The Presidential address by Dr. E. R. Smith of Iowa State College was on the subject, *Mathematical continuations corresponding to physical impossibilities*. Immediately afterwards invited addresses were made by Dr. C. W. Lantz on *Survey courses in science* and by Dr. J. N. Martin on *A brief history of the Iowa Academy*.

The special feature of the morning session was an address by Dr. L. R. Laudon of the Department of Geology, the University of Kansas, on *Oil from the Arctic*.

The various sections of the Academy met in the afternoon, adjourning in time for the business meeting of the Academy at 4:15 p. m.

Reports of the Executive Committee, Secretary, Treasurer, Auditing Committee, Editor, and the Librarian, were read and accepted upon motion.

Reports of the standing committees on Conservation, High School Relations, Membership, and Finance were read and accepted upon motion. The committees on Biological Survey and on Legislation had no report to make.

A committee of the section on Science Teaching presented a resolution recommending that the Academy appoint a special committee to present to the appropriate State authorities the need for a higher science requirement for the certification of secondary science teachers and to work to the end that such requirements shall be increased.

It suggested that the proposed committee consist of three members representing three divisions of the science field.

The resolution was passed on motion and President Smith appointed C. W. Lantz, Sherman, and Earls as this committee.

The Committee on Resolutions submitted the following resolution and recommended its adoption and incorporation in the Proceedings: That the officers and members of the Iowa Academy of Science extend

the sincere appreciation and thanks to the local committee and to the Kelvin Society of Coe College for the excellent arrangements provided for the fifty-seventh session of the Academy. The resolution was passed unanimously upon motion.

The Necrology Committee reported that twelve members have passed away this last year. The names are given in the published report of the Committee.

Dr. F. E. Brown, chairman of the High School Relations Committee announced the names of the councilors for the Junior Academy:

Miss Myra G. Willis, Senior Councilor, of Wilson High, Cedar Rapids, for one year.

Mr. A. C. Walz, Junior Councilor, of University High, Iowa City.

These names were approved.

The committee on Constitution Revision made a report which was accepted. This report is published in these Proceedings.

The Nominating Committee presented the following slate of officers for the year 1944-45:

President, Ben H. Peterson.....	Cedar Rapids
Vice-President, J. C. Gilman.....	Ames
Secretary-Treasurer, Cornelius Gouwens.....	Ames
Editor, L. R. Wilson.....	Cedar Rapids

With no objections these officers were declared elected.

The section chairman and representatives of sections on the Executive Committee were announced as follows:

<i>Section</i>	<i>Chairman</i>	<i>Executive Committeeman</i>	
Botany	H. L. Dean	W. E. Loomis	1944-47
Chemistry—			
General and Physical	W. L. Dunn	Jacob Cornog	1941-45
Chemistry—			
Organic and Biological	C. P. Berg	J. B. Culbertson	1944-47
Geology	H. G. Hershey	A. K. Miller	1942-46
Mathematics	J. H. Butchart	C. Gouwens	1944-48
Physics	Paul Helmick	Roy A. Nelson	1942-45
Psychology	O. C. Irwin	A. H. Lauer	1941-45
Science Teaching	C. W. Lantz	M. F. McDonald	
			1942-46
Zoology	Wm. Goldsmith	T. L. Jahn	1942-46

President-elect, Dr. Ben H. Peterson, then assumed the chair and called for a motion for adjournment.

CORNELIUS GOUWENS
Secretary-Treasurer

STANDING COMMITTEES OF THE IOWA ACADEMY OF SCIENCE

BIOLOGICAL SURVEY: Conard, *Chairman*; Jaques, Stephens, R. B. Wylie.

CONSERVATION: Aikman, *Chairman*; Carter, Doty, Hendrickson, Hershey, Keyes, MacDonald, Mendell, Speaker.

FINANCE: Culbertson, *Chairman*; J. C. Gilman, Hauber, Lindstrom.

HIGH SCHOOL RELATIONS: F. E. Brown, *Chairman*; Becker, Riskey, D. C. Stroud.

LEGISLATION: Bodine, *Chairman*; Reed, Spinney, Weld.

MEMBERSHIP: Kambly, *Chairman*; Getchell, Holl, Weld.

REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee met at 9:30 A. M., April 15, 1944. President E. R. Smith presided. The following members were present: Peterson, Wilson, Conard, Aikman, Brown, Culbertson, Sargent, Cornog, Miller, Nelson, Lauer, Jahn, and Gouwens.

The reports of the Secretary-Treasurer and Auditing Committee were received and accepted.

It was moved, seconded and passed that members in the government service during this period of national emergency may be placed on an inactive list until the end of the war and then replaced on the active list on their request.

The reports of the librarian and of the editor were accepted.

Reports of the standing committees were made by Professor Brown for High School Relations, by Aikman for Conservation, by Kambly for membership and by Culbertson for Finance.

Dr. Brown made the motion that the Junior Academy be authorized to sign an agreement to join with the Science Clubs of America for one year. This was seconded and passed.

Dr. Culbertson on the suggestion of the Finance Committee made the motion that the Academy reinvest the money received from government bonds called for redemption and buy \$1500.00 worth of U. S. Government bonds Series G. This was accepted.

The \$114.00 received from the A. A. A. S. for grants in aid in research was granted to applicants as follows:

Professor L. T. Johnson.....	\$31.25
Professor L. R. Wilson.....	40.00
Professor Karl Stiles.....	42.75

It was moved, seconded, and passed that the President appoint a committee to study applications for aid in research as they are received during the year.

It was moved, seconded and passed that the Academy buy the over-run by the printer of thirty volumes of volume 50 of the Proceedings.

It was moved, seconded and passed that this new committee on grants study and report on the application of Professor Herman Brandt for aid from the revolving fund of the Academy in the publication of a manuscript ready for immediate publication. The committee appointed by Dr. Smith consisted of J. C. Gilman, A. H. Lauer, L. R. Wilson. The Executive Committee adjourned until 4:00 P. M. to give this committee time to study Professor Brandt's manuscript.

At 4:00 P. M. the President called the Executive Committee to order.

Dr. Brown announced the names of the councilors for the Junior Academy: Miss Myra G. Willis, Wilson High, Cedar Rapids, as senior councilor for one year. Mr. A. C. Walz, University High, Iowa City, as Junior councilor.

Professor Lauer reported for his committee that the manuscript of Dr. Herman Brandt is of considerable merit and should be considered by the Academy. Dr. Brandt was asked to prepare a more accurate statement as to expense of the project and that this information be referred to the Executive Committee for further action.

Dr. Aikman referred again to the importance of the State procuring virgin prairie spots for preservation.

The Executive Committee was then adjourned.

REPORT OF THE SECRETARY

With a lapse of one year's meeting of the Iowa Academy of Science because of the conditions due to the war, your Executive Committee was unanimously of the opinion that a profitable meeting could be held this year. There has been a most generous response by the membership and a very adequate program is provided. Because of the crowded conditions in the colleges due to the Army Specialized Training Program, it was felt best to meet for one day only in the Montrose Hotel in Cedar Rapids. The wisdom of this action is tested today.

The Academy membership has kept up to a surprising degree. We have at present 2 honorary fellows, 3 emeritus fellows, 20 life fellows, 271 fellows and 341 associates making a total of 637. In my treasurer's report, I show that the payment of dues by members has been very prompt even without the Academy meeting last year and this indicates the interest of the entire membership in the Academy.

A skeleton meeting of the Junior Academy is being held this year. It is to be hoped that the interest in this Junior Academy will be kept alive until that time when their program can be restored to normal again.

A committee appointed to revise and bring the constitution up to date is at work and ready to make a preliminary report.

The deficit incurred by the Academy in the publication of the last two volumes of the Proceedings of the Iowa Academy of Science was paid by the State of Iowa.

The Academy is holding up very well indeed in these trying days, let us not in any way allow ourselves to lose our own individual interests in this Iowa Academy of Science.

Respectfully submitted,
CORNELIUS GOUWENS, *Secretary*