

1948

## Proceedings of the Sixtieth Meeting of the Iowa Academy of Science Held at Parsons College, Fairfield, Iowa, April 16 and 17, 1948: Minutes of the 1948 Meeting

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# Proceedings of the Sixtieth Meeting of the Iowa Academy of Science

held at

Parsons College, Fairfield, Iowa

April 16 and 17, 1948

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## Minutes of the 1948 Meeting.

The sixtieth meeting of the Iowa Academy of Science was called to order by President J Allen Baker in the College Chapel of Parsons College at 10:30 a. m., April 16, 1948. The Academy was cordially welcomed by Acting President Tom E. Shearer of Parsons College. The following committees were appointed:

Necrology: Haber, Hendriks, McClintock.  
Nominating: Bodine, Lantz, Sherman.  
Resolutions: Nelson, Becker, Jaques.

The morning session was devoted to the presentation of addresses by Drs. Turner, Aikman and F. E. Brown. The various sections of the Academy met in the afternoon and following morning. This included a symposium held jointly with the Iowa Medical Society led by Drs. Uber, Schwarte and Schlenk.

The business meeting of the Academy was held at 11:00 a. m. on Saturday, April 17. Reports of the meeting of the Executive Committee, the secretary and treasurer, the auditing committee, the editor and the librarian were read. Reports of the standing committees were made by Aikman for Conservation, F. E. Brown for High School Relations, Bruce F. Stiles for Legislation and Getchell for Membership. These were all accepted and filed. These reports are published herewith. The report by Gilly on Biological Survey was not presented but a motion was made that this report be included in the Proceedings when published.

The Committee on Certification of Secondary Teachers presented the following resolution which was adopted.

The Committee on Certification of Secondary Teachers recommends that:

- (1) The Committee be authorized to approach Miss Jessie Parker, State Superintendent of Public Instruction, with a view to establish the following certification standards for high school teachers in science.
  - (a) Minimum requirements to teach any science (biology, physics, chemistry, and mathematics) be 15 semester hours in the science total.
  - (b) Minimum requirements to teach general science be 15 semester hours with physics, chemistry and biology represented.
  - (c) If at least 50 percent of a teacher's load is in any science field (biology, physics, chemistry, and mathe-

atics) 24 semester hours be the minimum requirement in that field.

- (2) That the Iowa Colleges Conference on English and the Iowa Conference of Social Studies Teachers be invited to draw up their recommendations of certifications for teachers in their respective field and present them jointly with those of the Iowa Academy of Science.

C. W. LANTZ, *Chairman*.

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

The report of the Resolutions Committee was adopted. This report is printed herewith.

Dr. F. E. Brown announced the names of the councilors for the Junior Academy. They appear in his committee report.

The chairman of the sections of the Academy for the next year were announced:

Botany .....	Mrs. Floyd Von Ohlen.....	Fairfield
Chemistry, Inorganic and Physical .....	Charles V. Banks.....	Ames
Chemistry, Organic and Biological .....	Donald A. Scott.....	Mt. Vernon
Geology .....	Allen C. Tester.....	Iowa City
Mathematics .....	W. M. Davis.....	Mt. Vernon
Physics .....	R. A. Rogers.....	Cedar Falls
Psychology .....	Gene A. Wallar.....	Cedar Rapids
Science Teaching .....	Grant O. Gale.....	Grinnell
Zoology .....	Thomas Parsons .....	Grinnell

The papers selected as the most meritorious in the various sections and their authors are as follows:

- Botany:** Eugene W. Elliott, The effect of paradichlorobenzene on fungi.
- Chemistry:** Inorganic and physical: Walter F. Edgell, The molecular structure of "cyclic"  $C_3F_6$ .
- Chemistry:** Organic and biological: Ralph L. Shriner, Chemical properties and reactions related to the problem of preferred orientation of groups in ethane derivatives.
- Geology:** Walter L. Youngquist, The upper Ordovician of southeastern Baffin Island and its fauna.
- Mathematics:** Don. Kirkham, a 2-dimensional potential problem with applications to soil drainage.
- Physics:** W. Pratt, E. N. Jensen, J. Laslett, Measurements of gamma-ray energies with the beta-ray spectrometer.
- Psychology:** Charles F. Haner, Quantification of the Wechsler-Bellevue vocabulary.
- Zoology:** William F. Danforth, Ostracoda of Iowa.

The nominating Committee presented the following slate of officers for the year 1948-49.

<b>President</b> .....	William H. Kadesch.....	Cedar Falls
<b>Vice-president</b> .....	J. B. Culbertson.....	Mt. Vernon
<b>Editor</b> .....	F. G. Brooks.....	Mt. Vernon
<b>Secretary-treasurer</b> .....	Cornelius Gouwens .....	Ames

Nominations were closed and these officers declared elected.

The President announced that the Iowa Academy of Science will meet at Drake University in Des Moines in 1949.

President-elect William Kadesch then assumed the chair and called for new business.

The following resolution adopted in the Botany section was presented by Mrs. Von Ohlen.

1. The Botany Section voted in favor of acquiring a prairie tract at Iowa Lakeside Laboratory,
2. recommended that the Academy as a whole go on record as favoring this objective and direct its Conservation Committee to take necessary steps for this purpose.

This was adopted by the Academy and with no other business the Academy adjourned.

CORNELIUS GOUWENS, *Secretary.*

## The Minutes of the Executive Committee

The Executive Committee of the Iowa Academy of Science met in the Memorial Room of Parsons Hall at 1:30 p. m. on Friday, April 16, 1948.

Those present were Aikman, Baker, Brooks, F. E. Brown, Getchell, Gouwens and Kadesch.

Reports were given by the secretary and treasurer, the auditing committee, the editor and the librarian. These were all filed on approval.

Standing committee reports were made by Aikman for Conservation, F. E. Brown for High School Relations and by Getchell for Membership. The report by Bruce F. Stiles for Legislation was read by the secretary.

The request of Dr. Aikman that the committee advisory to the conservation committee be continued for another year was granted.

Dr. F. E. Brown requested that the High School Relations Committee be reconstituted so that the work with the Junior Academy and Science Clubs be better co-ordinated. This was granted. It was moved that the Academy grant a sum of seventy-five dollars to the Junior Academy in addition to the twenty-five dollars of last year's grant which was not yet paid, if this amount was needed for current expenses.

Dr. Getchell's report was accepted with the understanding that the membership committee and the secretary be empowered to receive and accept late applications for membership.

It was the sense of the Executive Committee that the chairman of a standing committee may ask the President to reconstitute the committee when so desired.

It was recommended to the section chairman that they determine by committee report or by secret ballot the most meritorious paper, not an invited address, presented in their section meeting, that this citation be made public at the Saturday morning business session and that special attention be drawn to these papers by means of asterisks or footnotes when published in the Proceedings. It was further moved that the retiring president of the Academy name a