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Proceedings of the Sixty-First Meeting of the Iowa Academy of Science Held at Drake University, Des Moines, Iowa, April 15 and 16, 1949: Minutes of the 1949 Meeting

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**Proceedings of the Sixty-First Meeting of the
Iowa Academy of Science held at Drake
University, Des Moines, Iowa,
April 15 and 16, 1949**

Minutes of the 1949 Meeting

The sixty-first meeting of the Iowa Academy of Science was called to order by the Secretary, Cornelius Gouwens, in the Ingham Auditorium of Drake University at 10:30 A.M., April 15, 1949, in the morning after a sudden but very severe April blizzard which delayed many members of the Academy. The Academy was cordially welcomed by President H. G. Harmon of Drake University.

The following committees were appointed during the day:

Necrology: Bragonier, Abbot, Buchanan, Hayden, Keyes, Park, Ben Peterson, Van Engen, and R. B. Wylie.

Nominating: J. Allen Baker, J. C. Gilman, H. E. Jaques.

Resolutions: H. J. Plagge, J. R. Jenness, G. M. Robertson.

Prize Award for 1949 Committee: Sherman, Lantz, Woodrow.

The morning session was devoted to the presentation of an illustrated address on GEOLOGICAL VIEWS IN PUERTO RICO by Dr. C. S. Gwynne, and a report on the INTEREST IN AND SUPPORT OF CONSERVATION IN THE ACADEMY by Dr. George D. Lovell. This report was based on a questionnaire sent out to some three hundred members of the Academy. The presidential address was given by Dr. W. H. Kadesch on "Science Changes its Mind."

The Science section and the Psychology section of the Academy met at 1:30 P.M. The other sections started their meetings at 3:00.

The Academy banquet was held in the University Christian Church. About 140 guests were served.

The Academy guest speaker was Professor V. W. Meloche of the Chemistry Department of the University of Wisconsin. He spoke on the subject: CONSERVATION AND CO-OPERATIVE RESEARCH.

The business meeting of the Academy was held at 11:00 A.M. on Saturday, April 16, 1949. The report of that meeting is made by J. C. Gilman.

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

Botany — S. S. Chase; Spontaneous Chromosome doubling in monoploid maize.

Chemistry — Inorganic and Physical — C. E. Crouthamel, H. V. Meek, D. S. Martin, C. V. Banks; Spectrophotometric studies of periodate solutions.

Chemistry, Organic and Biological — Ethelda Norberg, Dexter French; Rearrangement of carbohydrate molecules by macerans amylase.

Geology — Ralph W. Lawson; Determination of calcite-dolomite ratios in carbonate rocks.

Mathematics — H. P. Thielman; On generalized means.

Physics — Don Kirkham; A potential problem in ground water flow.

Psychology — Charles O. Neidt; Homogeneity of Behavior as indicated by the Spearman Brown prophecy formula.

Zoology — George M. Robertson; The bearing of some fossil forms on the problems of vertebrate origin.

CORNELIUS GOUWENS, *Secretary*.

Meeting of the Executive Committee

The Executive Committee met at 4:30 P.M., April 15, 1949, in the Seminar Room of Fitch Hall, Drake University. Present: Kadesch, Aikman, Brooks, F. E. Brown, Gouwens, and J. C. Gilman to represent the Committee on Finance and Endorsement.

Reports by the Secretary, Treasurer, Auditing Committee, Editor, and the Librarian were read and accepted.

It was moved and accepted that the Executive Committee approve the transfer of the ninety dollars added to the Junior Academy fund during the past year.

It was moved by Brooks and accepted that a committee of three be appointed here to study a plan for the publication of the Bibliography on Ornithology by the late Dr. T. C. Stephens to report to the Academy tomorrow. The committee named was J. C. Gilman, F. E. Brown, and Jean Laffoon.

Standing Committee reports were made by J. C. Gilman for the Finance and Endowment Committee and by F. E. Brown for the High School Relations Committee and accepted. The Executive Committee wishes to express their appreciation of the excellent work of the High School Relations Committee and asks that the Resolutions Committee of the Academy be informed of this report and that the secretary express the thanks and appreciation of the Academy to the Clinton Industries, Inc., for their awards to the Honor Science Students of the State.

The Membership Committee report was accepted. It was moved and accepted that the A.A.A.S. Grant of \$110.50 be awarded to James Hodges of the Davenport Museum for aid in his studies in bird migration.

It was moved and accepted that the secretary be authorized to make arrangements for the place of meeting next year.

The invitation of Cornell College to meet at Mt. Vernon in 1953 at their centennial was received and placed on file.

The group of teachers interested in Pre-Medical Education felt that an annual meeting of teachers in that area of interest was desirable and it was moved and accepted that the Secretary be given permission to schedule a meeting for them at following meetings of the Academy, if called for.

CORNELIUS GOUWENS, *Secretary.*

Minutes of the Business Meeting Saturday 11:00 P.M.

The meeting was called to order by President Kadesch. In the absence of Dr. Gouwens, Secretary, the president appointed J. C. Gilman to act as secretary pro tem. The report of the Executive Committee was read and approved. Reports by the Secretary, Treasurer, Auditing Committee, Editor and Librarian were read and accepted. Reports of the Standing Committees on Conservation, Finance, High School Relations and Membership were read and approved. No reports were presented from the Committees on Biological Survey or Legislation.

The Committee on Necrology presented the names of our deceased members and the report was approved by a rising vote.

The following resolutions were adopted. (See Resolutions Committee)

Report of Committee on Stephens' manuscript. Moved that a committee be appointed by the president of the Academy to investigate the possibility of publication of Stephens' Bibliography and given authority to negotiate a contract with a suitable printer or publisher if such contract has the approval of the Executive Committee, partial subsidy to be supplied from the *revolving* fund. This may include editorial help or use of some subsidy from the *revolving* fund. Seconded and carried.

The report of the committee on the Ornithological Bibliography was approved.

Dr. Walter Edgell of the Chemistry Department at the State