

Proceedings of the Iowa Academy of Science

Volume 20 | Annual Issue

Article 4

1913

Proceedings of the Twenty-Seventh Annual Session of the Iowa Academy of Science: Staff & Committee Reports; Program

L. S. Ross

George F. Kay

Copyright ©1913 Iowa Academy of Science, Inc.

Follow this and additional works at: <https://scholarworks.uni.edu/pias>

Recommended Citation

Ross, L. S. and Kay, George F. (1913) "Proceedings of the Twenty-Seventh Annual Session of the Iowa Academy of Science: Staff & Committee Reports; Program," *Proceedings of the Iowa Academy of Science*, 20(1), 1-6.

Available at: <https://scholarworks.uni.edu/pias/vol20/iss1/4>

This General Interest Article is brought to you for free and open access by the Iowa Academy of Science at UNI ScholarWorks. It has been accepted for inclusion in Proceedings of the Iowa Academy of Science by an authorized editor of UNI ScholarWorks. For more information, please contact scholarworks@uni.edu.

PROCEEDINGS OF THE Twenty - Seventh Annual Session of the Iowa Academy of Science

REPORT OF THE SECRETARY.

Fellows and Members of the Iowa Academy of Science :

During the year since the last meeting of the Academy no vigorous campaign has been conducted to increase the membership. No attempt was made by the secretary to reach the high school science teachers other than by sending out programs of the 1913 meeting. This was done in order that the general character of the papers presented might be known, and the way be prepared to extend invitations during the coming year.

Three notices of the 1913 meeting were mailed to the members; in addition to the notices a program was sent to each member.

In February an invitation from the Minnesota Academy of Science was received by the president of the Academy, to send a delegate to represent the Iowa Academy at their 40th anniversary which occurred March 4th. It was hardly practicable to accept the invitation because funds were not available.

Almost every year a few authors append the names of the laboratories where their work was done, to the papers sent to the secretary for publication. It has not been the custom to indicate the schools or laboratories with which the authors may be connected. If it be desirable to make a change in this respect it will be well for the Academy to take action to that effect. The question is one upon which there may be difference of opinion. Also would it be well, or would it not, to give the academic degrees held by the members of the Academy, educational positions occupied, or positions of honor, and the schools with which they are connected, in the list of fellows and members as it appears in the Proceedings. No recommendation is made in this report.

It seems to be accepted as a fact that a law or rule that does not have the sympathetic support of the people passing the law or formulating the rule is not enforced nor indeed can it hardly be. Among our rules is one to the effect that an abstract shall be submitted with the title of the paper to be presented at the meetings of the Academy. Action to

this effect was taken some years ago and the action has received endorsement during very recent years. Last year twelve abstracts accompanied the forty-six titles, and this year some twelve or thirteen abstracts accompany fifty-eight titles. A long list of titles, with a few abstracts scattered among them, does not appear well in the printed program. For the sake of uniformity, only the titles appear on the program this year.

The volume of Proceedings for 1912 is still on the press, but will soon be ready for distribution. Unfortunately, by error, the copy was set up in 8 point type. The secretary was not aware of the fact until the first galley proof was received. Upon correspondence with the members of the executive committee the decision was reached to print the volume in the type as set up, rather than prolong the delay in publication.

It is very evident that interest in the work of the Academy on the part of the members, is in a normal, healthy condition of growth. In 1910 thirty titles were presented; in 1911, thirty-four; in 1912, the anniversary year, forty-six, and in 1913 fifty-eight titles.

Respectfully submitted,

I. S. Ross, *Secretary.*

TREASURER'S REPORT.

RECEIPTS.

Cash on hand April 27, 1912.....	\$161.84
Dues and initiation fees from fellows and members.....	214.00
Life member fees	14.00
Sale of proceedings	2.17
Interest on deposits	7.27
Total	\$419.28

EXPENDITURES.

Expense of lecturer, 26th meeting.....	\$ 37.89
Postage and stenographic work for treasurer.....	20.00
Stationery and postage for Past President Begeman.....	13.95
Programs, letterheads, envelopes, folders, etc.....	39.54
Binding reprints, etc.	78.75
Balance paid on banquet at Chamberlain Hotel.....	8.25
Postage and clerical work for secretary.....	23.20
Honorarium to secretary	25.00
Wrapping and sending out Volume XVIII.....	10.00
Cash on hand, April 26, 1913.....	162.70
Total	\$419.28

Respectfully submitted,

GEORGE F. KAY, *Treasurer.*

REPORT OF COMMITTEE ON MEMBERSHIP.

The following names are recommended to the Academy.

TRANSFERRED FROM LIST OF MEMBERS TO LIST OF FELLOWS.

J. A. Baker, Indianola; Ira S. Condit, Cedar Falls; H. L. Dodge, Iowa City; G. B. McDonald, Ames; R. P. Getchell, Cedar Falls; E. A. Jenner, Indianola; T. C. Stevens, Sioux City; Harold Stiles, Sioux City; S. M. Woodward, Iowa City.

ELECTED TO LIST OF FELLOWS.

J. P. Anderson, Ames; Paul H. Dike, Mt. Vernon; J. M. Evvard, Ames; R. A. Pearson, Ames; G. N. Turpin, Ames.

ELECTED TO MEMBERSHIP.

F. W. Allen, Ames; E. K. Anderson, St. Charles; F. W. Beckman, Ames; Charles E. Blodgett, Atlantic; E. N. Boland, Ames; David H. Boot, Iowa City; John H. Buchanan, Ames; E. J. Butterfield, Dallas Center; E. P. Churchill, Iowa City; W. H. Davis, Cedar Falls; Clifford H. Farr, Iowa City; W. J. Ferguson, Des Moines; Miss Sebena S. Frasier, Oskaloosa; Miss Zoe R. Frasier, Oskaloosa; Raymond A. French, Iowa City; Ira N. Gabrielson, Marshalltown; C. E. Gethman, Eldora; Earl Grissel, Iowa City; B. H. Hammer, Ames; H. L. Hawkins, Little Rock; Miss Ruth Higley, Grinnell; F. B. Hills, Ames; L. G. Holbrook, Des Moines; Karl E. Kastberg, Boone; L. E. Kenoyer, Toledo; William L. Kuser, Eldora; F. L. Ovenly, Ames; W. W. Patrick, Iowa City; Herbert J. Plagge, Ames; J. C. Pomeroy, Ames; T. H. Quigley, Dallas Center; O. B. Read, Pella; L. K. Riggs, Toledo; Fred S. Risser, Des Moines; A. H. Shatz, Merrill; C. J. Schmitt, Eldora; W. B. Slattery, Spirit Lake; Wilbert A. Stevens, Tabor; Miss Katherine L. Stewart, Davenport; G. I. Tenney, Des Moines; E. V. Tuttle, Lanesboro; Fred Vorhies, Iowa City; Everett Wells, Cresco; Fred B. York, Iowa City; George M. Young, Jr., Des Moines.

L. S. ROSS,

G. F. KAY,

Committee.

IOWA ACADEMY OF SCIENCE

NAMES OF THOSE IN ATTENDANCE.

M. F. Arey, W. E. Anderson, T. R. Ball, J. A. Baker, F. C. Brown, Fred Berninghausen, R. E. Buchanan, T. J. Burrill, C. E. Bartholomew, A. L. Bakke, Perry A. Bond, Henry S. Conard, E. J. Cable, James A. Cass, A. W. Dox, Paul H. Dike, H. L. Dodge, W. H. Davis, Wesley Greene, J. E. Guthrie, Ira N. Gabrielson, R. W. Getchell, Ada Hayden, S. F. Hersey, E. A. Jenner, C. N. Kinney, Wm. Kuerst, Charlotte M. King, G. F. Kay, James H. Lees, D. W. Morehouse, J. N. Martin, Ray E. Neidig, L. H. Pammel, Herbert J. Plagge, F. W. Paige, J. N. Pearce, L. S. Ross, H. E. Summers, L. B. Spinney, T. C. Stevens, L. P. Seig, Harold Stiles, W. H. Stevenson, G. W. Stewart, F. C. Stanley, Dayton Stoner, John L. Tilton, E. W. Wentworth, R. L. Webster, Fred R. York.

PROGRAM.

The meetings of the Academy were held in Alumni Hall, Iowa State College, Ames, beginning at 1:30 p. m., Friday, April 25. A business meeting was held, after which scientific papers were read. The time Saturday forenoon was occupied with the presentation of the remaining scientific papers and with the final business meeting.

President Pearson of the Iowa State College extended a welcome to the Academy at 8:00 p. m., Friday. After this the public address on "Wealth from Worthlessness" was given by Dr. Thomas J. Burrill, Professor Emeritus of Botany, University of Illinois.

A reception was given to the members of the Academy and friends after the address.

TITLES OF PAPERS PRESENTED.

- The Contamination of Public Water Supplies Through Fissures in RocksHenry Albert
- Bacterial Activities of Crop Production.....P. E. Brown
- Tramping About Puget Sound.....T. H. Macbride
- The Conifers of Monterey Peninsula.....T. H. Macbride
- The Declinous Flowers of *Iva Xanthiifolia*.....Clifford H. Farr

(Introduced by R. B. Wylie)

- Pure Lines and What They Mean to Iowa's Grain Crop.....L. C. Burnett
- Quercus borealis* Michx. f.....B. Shimek
- The Sedges of Henry County, Iowa.....John T. Bucholz
- The Effect of Smoke and Gases Upon Vegetation.....A. L. Bakke

Phylogeny of the AraceaeJames Ellis Gow
Aroid NotesJames Ellis Gow
The Grasses of the Uintah Mountains and the Adjacent Region, L. H. Pammel
Notes on the Flora of Johnson County, Iowa.....M. P. Somes
The Physiology of the Pollen of *Trifolium Pratense*.....J. N. Martin
The Comparative Morphology of the Legumes.....J. N. Martin
A Preliminary List of the Parasitic Fungi of Boone County, Iowa....H. S. Coe
A Partial List of the Parasitic Fungi of Decatur County, Iowa...J. P. Anderson
Nitrogen in Rain and Snow. (Second Paper).....Nicholas Knight
The Rock from Solomon's Quarries.....Nicholas Knight
The Electrical Conductivity of Solutions of Electrolytes in Aniline, J. N. Pearce
Equilibrium in the System; Cobalt Chloride-Pyridine.....
.....J. N. Pearce and Thomas E. Moore
Segregation of Fat Factors in Milk Production.....F. B. Hills
The Osmosis of Optical Isomers.....A. R. Johnson
Observation on the Specific Heat of Milk and Cream....Johnson and Hammer
The Use of the Rayleigh Disk in the Determination of Relative Sound
IntensitiesHarold Stiles
A New Design for Specific Apparatus.....Johnson and Hammer
A Proposed Method for Determining the Ratio of Congealed to Uncon-
gealed Water in Frozen Soil.....Johnson and Ray Smith
Iowa Cretacic SequenceCharles Keyes
Terradal Differentiation of Devonian Succession in Iowa.....Charles Keyes
Possible Occurrence of Tertiary Deposits East of the Missouri River....
.....Charles Keyes
Mound and Mound Explorations in Allamakee County.....Ellison Orr
Wright's "Ice Age" on the Genesis of Loess.....B. Shimek
Notes on the Nebraskan Drift of the Little Sioux Valley in Cherokee
CountyS. E. Carman
The Wisconsin Drift-Plain in the Region about Sioux Falls, South
DakotaS. E. Carman
Some Additional Evidence of Post-Kansan Drift near Iowa City, Johnson
County, IowaMorris M. Leighton
Exhibition of Barograph and Thermograph Tracings of the Omaha
TornadoJohn L. Tilton
The Proper Use of the Geological Name "Bethany".....John L. Tilton
A Pleistocene Section from Des Moines to Allerton near the Iowa-Mis-
souri LineJohn L. Tilton
Preliminary Notes on the So-Called "Loess" of Southwestern Iowa.....
.....James Ellis Gow
The Limestone Sinks of Floyd County, Iowa.....A. O. Thomas
An Electrical Method of Measuring Certain Small Distances, and Some
Interesting ResultsF. C. Brown

IOWA ACADEMY OF SCIENCE

PROGRAM (Continued)

- The Variation of the Resistance of Antimonite Cells with the Current
Flowing, and the Probable Interpretation of This Variation..F. C. Brown
- The Change of Young's Modulus of a Soft Steel Wire with Electric Cur-
rent and External Heating.....H. L. Dodge
- Are the Photo-Electric High Potentials Genuine....Paul H. Dike and F. R. York
- Variation of Correspondence of Phase Relations and Sound Beats, the Two
Sounds Being Presented One to Each Ear.....G. W. Stewart
- Some Dangers in Statistical Methods.....Arthur G. Smith
- The Problem of the Vision of an Illuminated Surface.....L. P. Sieg
- An Experimental Investigation of the Relation Between the Aperture of
a Telescope and the Quality of the Image Obtained by It....Fred Vorhies
- On the Existence of a Minimum Volume Solution.....LeRoy D. Weld
- Destruction of the Blue Bird by the Yellow Hammer.....Fred Berninghausen
- A Further Study of the Home Life of the Brown Thrasher, *Toxostoma*
Rufum LinnIra N. Gabrielson
- On Certain Points in the Anatomy of *Siren Lacertina*.....H. W. Norris
- The Food Habits of the Skunk.....Frank C. Pellett
- Nest Boxes for Woodpeckers.....Frank C. Pellett
- Life History Notes on the Plum Curculio in Iowa.....R. L. Webster
- Color Inheritance in Horses.....Edward Wentworth
- Some Factors in Foetal Development.....J. M. Evvard
- Additional Mammal NotesT. Van Hyning
- Appearance of a Case of Urticaria Factitia in the Coe College Psychologi-
cal LaboratoryWalter S. Newell