

Proceedings of the Iowa Academy of Science

Volume 43 | Annual Issue

Article 4

1936

Proceedings of the Fiftieth Annual Meeting of the Iowa Academy of Science, Held at Iowa City, April 3 and 4, 1936: Minutes of the 1936 Meeting; Staff & Committee Reports

Copyright ©1936 Iowa Academy of Science, Inc.

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

Recommended Citation

(1936) "Proceedings of the Fiftieth Annual Meeting of the Iowa Academy of Science, Held at Iowa City, April 3 and 4, 1936: Minutes of the 1936 Meeting; Staff & Committee Reports," *Proceedings of the Iowa Academy of Science*, 43(1), 23-32.

Available at: <https://scholarworks.uni.edu/pias/vol43/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.

PROCEEDING OF THE FIFTIETH ANNUAL MEETING OF THE IOWA ACADEMY OF SCIENCE

Held at Iowa City, April 3 and 4, 1936

MINUTES OF THE 1936 MEETING

The fiftieth meeting of the Iowa Academy of Science was called to order by President R. E. Buchanan in the Chemistry Auditorium at 1:15 p.m. April 3rd, 1936. The following committee appointments were announced:

Necrology: George F. Kay, E. K. Putnam, T. C. Stephens, H. D. Hughes.

Resolutions: J. V. McKelvey, L. C. Raiford, Charles Carter.

Nominations: Ben H. Peterson, R. L. King, D. L. Holl, A. B. Carr.

Auditing: G. W. Snedecor and E. R. Becker.

After hearing the president's address and papers of general interest the meeting adjourned to the Senate Chamber for a business meeting at 11:00 a.m. Saturday.

The Academy dinner commemorating the fiftieth anniversary of the organization was held in the Memorial Union. Members of forty or more years' standing were honored. The men so honored were Herbert Osborn, first president of the Academy, C. P. Gillette, B. Shimek, Charles Carter, S. W. Stookey, Maurice Ricker, G. L. Houser, R. I. Cratty, W. H. Norton, L. S. Ross, E. D. Ball, J. C. Arthur, H. M. Kelly, C. R. Keyes, Paul Bartsch, H. L. Bruner, T. J. Fitzpatrick, F. E. Leverett, Charles D. Reed, and H. W. Norris. Dr. D. W. Morehouse presided.

At the business meeting the report of the Executive committee was read and accepted. The Secretary-Treasurer's report was accepted and upon motion the Iowa Academy of Science offered to the State Conservation Commission any aid which we are able to furnish them.

The report of the Auditing Committee was approved.

The reports of the committee on Biological Survey, Conservation and Finance were accepted.

It was moved, seconded and carried that the necessary sum from the Endowment fund be expended for the purchase of a \$500.00 Government Bond at the market price from the funds in the Savings Account of this fund.

Further it was moved, seconded and carried that the sum of \$200.00 be transferred from the general funds of the Academy to the Endowment Fund.

The reports of the committee on High School Relations was accepted.

The report of the Membership Committee carrying with it the election of fellows and associates was accepted.

The report of the Necrology Committee carrying the names of James H. Lees, A. A. Miller, Charles S. Cobb, Franklin Scott Wilkins, E. W. Rockwood and H. T. Jones was accepted by a rising vote in memory of the persons commemorated.

The report of the nominations committee carried the names of L. P. Sherman for president, A. C. Trowbridge for vice-president, J. C. Gilman, Secretary-Treasurer, F. W. Nichols, Editor. Upon motion the secretary was instructed to cast an unanimous ballot of the membership for the election of these persons to office.

The following section officers were announced for the 1937 meeting :

| <i>Section</i> | <i>Chairman</i> | <i>Representative</i> |
|--------------------------------|------------------|--------------------------|
| Botany and Bacteriology | R. A. French | M. Levine, 1935-39 |
| Chemistry, General, Physical | A. J. Rider | J. A. Wilkinson, 1933-37 |
| Chemistry, Organic, Biological | G. A. Lillis | G. H. Coleman, 1935-39 |
| Geology | John T. Lonsdale | E. J. Cable, 1934-38 |
| Mathematics | R. B. McClenon | C. Gouwens, 1936-40 |
| Physics | William Kadesch | M. E. Graber, 1934-38 |
| Psychology | E. E. Emme | C. A. Ruckmick, 1933-37 |
| Zoology | K. A. Stiles | H. E. Jaques, 1936-40 |

It was moved, seconded and carried that the membership list be printed in the 1936 PROCEEDINGS.

Upon motion the meeting adjourned.

JOSEPH C. GILMAN, Secretary

REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee met in the Memorial Union at 11:00 a.m. April 3rd.

Buchanan, Cable, Gouwens, Lantz, Ruckmick, Loehwing, Sherman, Martin, Wilkinson, Nichols, Gilman, Conard, Trowbridge, and Jaques were present.

The minutes of the Grinnell meeting were read and approved.

The appointment of a committee to review the activities and present functions of the Academy to determine its effectiveness both as an adjunct of the State Government and in relation to the members of the Academy itself was approved. The committee appointed was Trowbridge, Stephens, Conard, Jaques and Gilman. This committee made a brief report and was continued.

The report of the A.A.A.S. representative was read and the Secretary was authorized to suggest to the Association that it be the sense of the Academy that the basis for the research grant be the number of members common to the two organizations rather than the grant of 1935. The grant for 1936-37 was allotted to Professor H. E. Jaques of Iowa Wesleyan for further investigation of the insects of Iowa.

The Secretary was given power to accept a return of money from the sale of back volumes of the Proceedings in a special fund for the purpose of reprinting volume I, until such time as the feasibility of such reprinting be determined.

A committee of three was approved to take up the matter of the erection of a teaching section and report at the next meeting.

It was moved, seconded and carried that it was the sense of the Executive Committee that the Academy return to the constitutional date of meeting, that is, the third Friday and Saturday in April.

The place of the next meeting was referred to the Secretary.

Drs. R. E. Buchanan, C. H. Werkman and E. R. Becker were appointed

delegates from the Academy to the International Congress on Microbiology in London. It was suggested that a report of this congress be brought before the entire Academy.

Adjournment followed.

Respectfully submitted,

JOSEPH C. GILMAN, Secretary

REPORT OF THE SECRETARY-TREASURER

The time has come to review for you the condition of the Academy and to indicate what progress has been made and what adjustments in policy and operation are necessary to the welfare of the organization. For the past few years the Academy has been struggling with a falling membership and a stringency of funds. This year the turning point seems to have been definitely passed. The finances of the Academy are in satisfactory condition. On March 1st, the close of the fiscal year, we had a balance of \$656.41 on hand, an increase of \$142.71 over that of 1934-35. Our endowment fund increased \$187.58 to bring the total of \$1,106.54. Most of this endowment fund increase came as recaptured assets from monies that were tied up in closed banks. Better times were also reflected in a marked increase in the receipt of dues, \$528.00 as against \$447.00 in 1934-35. This condition allows us to consider the functioning of the Academy in the other phases of its activities.

But in order to know whether the Academy is functioning properly we should have rather clearly in mind the objectives that we are trying to attain. Should we be satisfied with meeting once a year to listen to papers and fraternize socially or should we look with a broader vision to use our strength to crystallize the scientific method in the state and lend our aid to the solution of the many complex problems which we all as citizens should face? Your secretary prefers this longer view. Let us therefore examine ourselves on how we are meeting these problems as an Academy. Three significant phases of civic activities that are before us today are science-teaching, state-planning and conservation.

The field of science-teaching may be divided on the levels of high school and college. In the high school level the Committee on High School Relations has been making excellent progress. They have carried the Junior Academy forward into an active and interested organization. The number of the clubs has increased; their radio program is sufficiently popular so that we are unable to supply the demand for the mimeographed material that goes with the talks; and they are now planning a series of college scholarships by means of which the continued interest in science of individual members of the Junior Academy can be assured. They are also coöperating with the Science Teachers Association to maintain a cordial coöperation between the two groups. Dr. Lantz and his committee should be congratulated on their progress and thanked for their efforts in behalf of the Academy.

In the field of college teaching our record is not so good. Three years ago at Davenport the sections of botany and zoology installed a symposium on teaching. This symposium was maintained two years, then dropped. That its discontinuance was not lack of interest is indicated not only from

the enthusiastic reports of those attending but also from the fact that on this year's program there are eleven papers on the teaching of science distributed over the various sections. I suggest that a committee be appointed to consider the forming of a new section in this field and to look after it until it shall become self-sustaining.

In the field of state planning, the appointment of Dr. A. C. Trowbridge as chairman of the Committee on Conservation, enabled us to consolidate our position as leaders in science in relation to this extremely significant work. Dr. Trowbridge became the liaison officer between the Academy and the State Planning Board. Previously the Academy had been rather ignored and this appointment should put the Academy in position to take its rightful place in this important state project.

In relation to conservation a rather anomalous situation has arisen. The State Conservation Commission recently has set up an Advisory Committee of Science. Instead of turning to the Academy, which under the leadership of Dr. Pammel and Dr. Shimek took large part in the establishment of the conservation movement of the state and which presumably is the best cross-section of science in our state, this committee was formed entirely without the knowledge of the Academy officials. Such a situation should not have arisen. Most, if not all, the members of this committee are also members of the Academy. Would it not be better to act with the unified weight of our organization behind them rather than as individuals?

I am placing no blame but merely trying to point out a condition which, if we allow it to become fixed, will mean the death of the organization by attrition. I sincerely hope we can come into close coöperation with the Conservation Commission and I shall do all I can to further such an alliance.

Another incident of this same nature occurred in our business meeting at Grinnell. A matter concerning our relationships with the state legislature was brought up from the floor. Instead of referring the question to the proper committee (the legislative committee) where it could be discussed unhurriedly and a calm decision result the question was rushed through in those hasty moments when the membership was more anxious for their luncheons than for serious deliberation.

Such incidents indicate either a lack of confidence in the constituted machinery of the organization or, as I believe more likely, an indifferent want of knowledge of the tools ready for their use.

We have in the Academy an organization which can be a powerful and useful instrument in the forwarding of science in the state, but it will be only by thorough coöperation on the part of all the members that it can be made effective.

Respectfully submitted,
 JOSEPH C. GILMAN, Secretary-Treasurer

REPORT OF THE TREASURER, MARCH 1, 1936

| DEBITS | |
|---------------------------|-----------|
| Endowment fund..... | \$ 175.21 |
| Honoraria | 150.00 |
| Printing | 109.03 |
| Membership committee..... | 37.08 |

| 1936] | REPORTS | 27 |
|--------------------------------------|---------|-------------------|
| A.A.A.S. Meetings..... | | 16.35 |
| Postage | | 85.32 |
| High School Relations Committee..... | | 9.85 |
| Clerical help..... | | 7.11 |
| | | <u>\$589.95</u> |
| Balance | | 656.46 |
| | | <u>\$1,246.41</u> |
| CREDITS | | |
| Balance March 1, 1935..... | | 513.70 |
| Union Bank dividend..... | | 16.10 |
| Johnson Co. Bank Dividend No. 6..... | | 145.21 |
| Interest on Bond..... | | 30.00 |
| Sales of PROCEEDINGS..... | | 13.30 |
| Dues | | 528.10 |
| | | <u>\$1,246.41</u> |
| ENDOWMENT FUND | | |
| Balance March 1, 1935..... | | 418.96 |
| Transfer fees..... | | 4.00 |
| Interest on deposits..... | | 8.37 |
| Interest on bond..... | | 30.00 |
| Dividend Johnson Co. Bank No. 6..... | | 145.21 |
| | | <u>\$ 606.54</u> |
| Cash on hand March 1, 1936..... | | 500.00 |
| Strauss Bond..... | | <u>\$1,106.54</u> |
| Total | | <u>\$1,106.54</u> |

REPORT OF THE AUDITING COMMITTEE

March 12, 1936.

The accounts of the treasurer of the Iowa Academy of Science have been this day audited by the undersigned and found to be in proper form and correct.

(Signed) GEORGE W. SNEDECOR
E. R. Becker

REPORT OF THE EDITOR

Last May, ninety-six manuscripts were submitted for publication in Vol. 42 of the Proceedings. These papers represented 119 authors from the eight sections of the Academy. The section chairman responded promptly to all requests for editorial duties.

The volume is now in page proof and will be ready for distribution within a few weeks.

Prior to the annual meeting letters were sent to the section chairmen giving details for form of papers. Many helpful criticisms and suggestions have been received. These have helped to guide the plan of organization of material.

The State Printer has requested that we continue to coöperate with the State Printing Board to keep the number of pages at the minimum number.

F. W. NICHOLS, Editor

REPORT OF COMMITTEE ON BIOLOGICAL SURVEY

The Committee on Biological Survey is continuing the promotion of a series of pamphlets on the natural history of Iowa. The Committee has accepted for publication a manuscript on the insects of Iowa by Professor H. E. Jaques. This will be the first investment of the \$300 fund which the Academy has graciously placed at the disposal of the Committee. An additional sum necessary to complete the book has been privately guaranteed. The book will be sold at cost of printing and handling, thus restoring the publication fund for further use. A subcommittee of two will coöperate with Professor Jaques in the printing and distribution of the book.

We commend the Extension Department of the Iowa State College on the publication, "Winter Birds around my Home," giving outline drawings and brief descriptions of 24 species. This pamphlet is distributed without charge. We recommend it to the members of the Academy and to the citizens of this and surrounding states.

The booklet on ferns of Iowa, previously announced, is now in press. We commend the State College for the preparation of this paper, and recommend it to all members of the Academy and to the citizens of this and surrounding states.

The Committee has examined the first printing of a tree book by Drs. Aikman and Hayden. We heartily recommend the publication of this booklet by the State College in permanent form.

We believe that every member of the Academy should procure copies of each of the publications above recommended. If it is not useful to the member, it should be given to someone who will want it. Thus the work of the Academy and the spreading of our gospel will be promoted, and the success of the venture guaranteed.

The Committee is definitely working on a book on birds of Iowa, and a pamphlet on mammals of Iowa. A key to the Flowering Plants is proposed, and also a series of booklets on the natural history of each of the State Parks. The last project, if undertaken, will require the coöperation of the State Board of Conservation.

Respectfully submitted,

H. M. Kelly,*
 C. W. Emmons,
 I. E. Melhus,
 T. C. Stephens,
 R. B. Wylie,
 H. S. Conard, *Chm.*

* Absent on account of illness.

REPORT OF COMMITTEE ON FINANCE AND ENDOWMENT

In accordance with the action taken by the Academy at the 1934 meeting, the Endowment Fund has increased from \$372.58 to \$1106.54. We recommend that the sum of \$200 be transferred to this fund from the general

fund of the Academy, and that the amount necessary be used to purchase a United States Government bond of the face value of \$500, leaving a balance in the savings bank of approximately \$300.00.

Respectfully submitted,

Committee of Finance and Endowment.

J. B. CULBERTSON,

U. A. HAUBER,

E. W. LINDSTROM,

G. W. MARTIN, *Chairman*.

REPORT OF THE RESOLUTIONS COMMITTEE

Your committee presents the following resolutions:

RESOLVED:

1. That the Iowa Academy of Science recognizes the excellence of the arrangements made by the University of Iowa for the celebration of the Academy's semi-centennial.

2. That the thanks of the Academy be extended to President Gilmore of the University and to Professor Harold H. Anderson and his committee for the completeness of their attention to every need of the visiting academy members.

3. That we express our appreciation to the officers of the Junior Academy for the inception and development of the present promising relations with the senior organization and we suggest further study of methods by which these relations may be improved.

4. That we indorse the movement initiated this year to coördinate the work of the conservation committee of the academy and that of the scientific advisory committee to the conservation commission to the end that the natural resources of the state may be protected.

Respectfully submitted,

J. V. MCKELVEY, *Chairman*,

L. C. RAIFORD,

CHARLES CARTER.

REPORT OF THE MEMBERSHIP COMMITTEE

The following associates were elected: Daniel L. Adler, Basu Kumar Bagchi, Shirley Bagnall, Bernice Boynton, Travis W. Brasfield, Gilbert Brijhona, DeVer Colson, Helen Cleveland Dawe, R. A. Diettert, Martha Doan, George Eglund, C. Evers, P. C. Greene, Alan D. Grinstead, Harry D. Henry, Helene Heye, Harold E. Hoff, William M. Hughey, M. L. Hutton, Harry S. Jopson, Mabel Jaques, Paul Kambly, Noble Kelley, C. A. Kempf, N. C. Kephart, John R. Knott, Mrs. Virginia Knott, Robert Larsen, J. W. Layman, D. V. Layton, Ruth Klein Lederer, R. B. McClenon, Marjorie McConaha, W. M. McLaughlin, Don R. Mallett, Clifford Manning, Sister Joseph Marie, Everett Marshall, Robert L. Milisen, Dick D. Millspaugh, D. W. Morris, F. G. Murray, L. A. Richards, A. W. Swensen, Charles S. Trachsel, O. E. Tauber, Curtis Tuthill, Charles Van Riper, L. Gould Warren, Verlin L. Wimp, Howard R. White, Hugh C. Wyland, Victor Young.

The following fellows were elected: Irving H. Anderson, Roger Barker, L. J. Bennett, Charles L. Campbell, E. Eleanor Carothers, Tamara Dembo, Grant Fairbanks, Charles Genaux, George J. Goodman, Wendell Johnson, Kurt Lewin, A. L. McComb, Howard V. Meredith, Guy R. Ramsey, Arnold Small, E. B. Speaker, D. E. Swanson, Roy B. Thompson, Harold Williams, Herbert Wright.

Norman Clark was transferred from associate to fellow.

W. F. LOEHWING, *Chairman.*

REPORT OF HIGH SCHOOL RELATIONS' COMMITTEE

The High School Relations Committee has endeavored to be of help in promoting and assisting the Junior Academy in its work. There are thirty-two high school science clubs now affiliated with the Iowa Junior Academy of Science and there are a number of other high schools which have shown their interest, some of which are planning to affiliate. We now have three mathematics clubs in the organization. The organization has been growing slowly but steadily and we feel that it is now well established.

There continues to be interest shown in the Junior Academy movement in other states and a number of states have successful organizations. Some progress towards coöperation between the Junior Academies of various states has been made but as yet no means has been provided for the organization of the various states into a national organization. The chief value of such an organization would be to provide some sort of a publication. The financing of such a publication is one of the chief difficulties in carrying out such a project.

The officers of our own organization report a successful year, especially in connection with the various clubs in the publication of our *News Letter*. More contributions from high school students were published this year than last.

A radio program has been given once a week during the year from WOI, Ames, and WSUI, Iowa City. This has given publicity to the movement. Various members of the Senior Academy have generously contributed their services to these programs.

The most important work of the committee this year has been in formulating a plan for the awarding of college scholarships to high school graduates who are members of the Junior Academy. The committee is attempting to secure the coöperation of the presidents of Iowa Colleges and Universities in this project. The work of the Committee will consist in securing this coöperation in setting up a plan and in putting the plan in effect. The following is the tentative plan for the awarding of these scholarships:

1. To attempt to secure from the universities and colleges of Iowa, scholarships for selected graduates of Iowa high schools who are *members* of the Junior Academy. The Iowa Academy will select the students for these scholarships according to the rules given below. The Committee has good reason to believe the various colleges and universities will coöperate in this plan and we hope that there will be four or five scholarships available each year. As soon as the final plans are made, the request will be submitted to these institutions.

2. A student in order to be eligible to compete for a scholarship must be

a member of the Iowa Junior Academy of Science and be in the upper half of his graduating class in scholarship.

3. Scholarships will be awarded on the basis of grades made in a competitive written examination in science and mathematics.

4. Students competing for scholarships must be certified to by the club sponsors.

5. The credentials of students competing must be submitted to and approved by the Chairman of the High School Relations Committee.

6. Examination questions are to be prepared and graded by committees selected by the High School Relations Committee. In general, there should be separate committees for each subject.

7. Examinations will be given by the County Superintendents of Schools.

8. The three highest scoring papers in each major will be selected and submitted to a general committee for final rating. These shall be rated in order. The student with rank No. 1 will have first choice as to institution, No. 2 will have second choice, and thus in sequence according to rank for the number of scholarships awarded in that year.

The fifth annual convention of the Junior Academy held in connection with Senior Academy meeting has been well attended. Because of the increase in size of the organization, it has been necessary for the clubs to be represented this year by delegates. The number of delegates attending this year were fifty representing seventeen clubs. The total registration was one hundred and fifty.

The following awards were given in the science exhibits:

Junior High School: Amos Hiatt Junior High School, Des Moines, Ia.

Biological Sciences: Harlan High School.

Physical Sciences: Spencer High School.

Mathematics: Marion High School.

Sweepstakes: Dubuque High School.

The committee asks the Iowa Academy to confirm the following appointments for next year:

Senior Councilor: James Kercheval.

Junior Councilor: D. Dale Davis.

We also request the appropriation of \$75 for the financing of the Junior Academy for next year.

Respectfully submitted,

High School Relations Committee,

C. W. LANTZ, *Chairman*.

JUNIOR ACADEMY OF SCIENCE RADIO PROGRAM

1935 - 1936

| | | | |
|---------|------------------|-------------|---|
| Oct. 2 | F. E. Brown | Ames | The scientific attitude |
| Oct. 9 | A. R. Lauer | Ames | Looking at ourselves |
| Oct. 16 | S. B. Kalar | Ames | Tuberculin tests at Iowa State College |
| Oct. 23 | J. C. Gilman | Ames | How to know the Mushrooms |
| Oct. 30 | E. E. Watson | Cedar Falls | The universe in which we live |
| Nov. 6 | E. B. Kurtz | Iowa City | Television |
| Nov. 13 | Nelson Conkright | Iowa City | Mathematical considerations underlying map-construction |

| | | | |
|---------|------------------|-------------|---|
| Nov. 20 | John A. Eldridge | Iowa City | 250 species of atoms |
| Nov. 27 | C. J. Lapp | Iowa City | Radio-activity, old and new |
| Dec. 4 | P. S. Helmick | Des Moines | Exploring the atom |
| Dec. 11 | R. W. Getchell | Cedar Falls | Choosing a forty-year job |
| Jan. 8 | P. J. H. Lange | Ames | English in science |
| Jan. 15 | W. H. Jennings | Ames | New alloys of metals |
| Jan. 22 | I. A. Merchant | Ames | Food sanitation |
| Jan. 29 | Alison Aitchison | Cedar Falls | Gentlemen, we must unroll large maps |
| Feb. 5 | L. O. Nolf | Iowa City | Uninvited guests |
| Feb. 12 | Gordon Walls | Iowa City | Queer eyes |
| Feb. 19 | W. A. Anderson | Iowa City | Origin of some cultivated plants |
| Feb. 22 | L. C. Raiford | Iowa City | Preparation of substitutes for natural products |
| Mar. 4 | W. H. Kadesch | Cedar Falls | Through the telescope |
| Mar. 11 | G. W. Fox | Ames | Neon signs |
| Mar. 18 | D. L. Holl | Ames | Romance in mathematics |
| Mar. 25 | T. F. Vance | Ames | Major problems of the "teen" age |
| Apr. 1 | L. P. Sherman | Grinnell | Training chemists |
| Apr. 8 | E. J. Cable | Cedar Falls | What astronomy teaches us |
| Apr. 15 | M. E. Barnes | Iowa City | Epidemics which have influenced human history |
| Apr. 22 | W. F. Loehwing | Iowa City | Trends in science teaching in Europe |
| May 6 | C. W. Lantz | Cedar Falls | The green plant |
| May 13 | J. T. Lonsdale | Ames | The age of the earth |
| May 20 | L. E. Penney | Ames | Some phases of glass blowing |
| May 27 | J. M. Aikman | Ames | Native trees of the shelter belt zone |