Proceedings of the Thirty-Eighth Annual Meeting of the Iowa Academy of Science, Held at Ames, May 2 and 3, 1924: Minutes of the Meeting; Staff & Committee Reports
PROCEEDINGS OF THE THIRTY-EIGHTH ANNUAL MEETING OF THE IOWA ACADEMY OF SCIENCE

Held at Ames, May 2 and 3, 1924

The sessions of the thirty-eighth meeting of the Iowa Academy of Science were held with Iowa State College at Ames on the 2nd and 3rd of May, 1924. The first session was called to order at 1:20 p.m., on Friday, May 2nd, in the Lecture Room of the new Physics Building by President Pammel who introduced President R. A. Pearson of Iowa State College. President Pearson made a short address of welcome to the members of the Iowa Academy of Science and the other visitors present. Dr. G. W. Stewart made a response to the welcome of President Pearson in behalf of the Academy. Secretary James H. Lees was not able to be present owing to an illness of several months, so Dr. P. S. Helmick was called to act as secretary pro-tem. Moved and carried that the reading of the minutes of the 1923 meeting be omitted. The Report of Secretary James H. Lees was read by the secretary pro-tem. It was moved and carried that Dean G. F. Kay act as the representative of the Academy at the Toronto meeting of the British Association for the Advancement of Science. The Treasurer's Report was read by Dr. Thomas.

The following committees were appointed by President Pammel:

Auditing: Erwin, Emerson, French.
Biologic Survey: Stephens, Jaques, Stoner, Conard, Pammel.
Conservation in Connection with Public Schools: Martin, Conrad, Mrs. Tuttle, Shimek, Goshorn.
Co-ordination of Scientific Research: Kelly, Stewart, Shimek, Buchanan, Ross.
Executive: Pammel, Smith, Lees, Thomas, Martin, Hayes, Cable, McGaw, Woodrow, Baldwin.
Forestry: Shimek, MacDonald, Scott.
Membership: Secretary, Treasurer, Smith, Graber, Sherman.
Necrology: Norris, Norton, McKelvey.
Nominations: Melhus, G. W. Martin, Hendrixson, Kelly, Sieg.
Publications: Conard, Hendrixson, Baker, Wilson, Begeman.
Resolutions to Dr. Lees: John E. Smith, Cable, Stephens, Stoner, Kay.

At 2:30 p.m. the Academy adjourned to meet in sections at 3 o'clock, reconvening at 4:15 to listen to Dr. Wm. Trelease, of Illinois State University, speak on "Personal Recollections of Some North American Botanists," and to Dr. Herbert Osborn, of Ohio State University, on "Recollections of Early Workers in Entomology and Zoology," after which the mem-
bers adjourned to the biology, chemistry, mathematics, and physics sectional dinners.

At 8:30 the Academy heard letters of greeting read from Drs. Andrews, Ewing, MacBride, Nipher, and Pope. Dr. D. S. Fairchild of Clinton gave a paper on the "History of the Old Academy of Science," and there were also greetings from Ohio State University by Dr. H. Osborn, from the State of South Dakota by Dr. W. E. Hansen, from the Botanical Society of India by Dr. W. S. Dudgeon, and from the Illinois Academy of Science by Dr. William Trelease. The Presidential Address was delivered by Dr. L. H. Pammel on "A Century of Botany in Iowa." After adjournment, the Academy members and their friends were entertained by President and Mrs. Pearson of Iowa State College at a delightful reception at "The Knoll."

At 8 a.m. Saturday, May 3, through the courtesy of the faculty of Iowa State College, the Academy members were given an automobile trip about the college campus, visiting the various departments of the college. At 9 o'clock the Academy sections met for their Saturday programs, and at 10:30 o'clock adjourned to the general assembly in the Physics building.

The general meeting was called to order at 11 a.m. by President Pammel. Announcement was made that Dr. Hayden would conduct a tour to the Ledges at 2 p.m.

The report of the Biological Survey Committee was given by Dr. Stephens and adopted on motion.

The report of the Membership Committee was adopted, and 35 associates transferred to fellows, 6 elected to fellows, and 54 elected to associates.

The Committee on Conservation reported, the report was adopted and the committee continued.

Professor Conard gave the report of the Committee on Publication. Moved and carried that the report be adopted and that the secretary supply authors with copies of the report.

Moved and carried that the Committee on Conservation in Connection with Public Schools be continued, and that the Forestry Committee be continued with Professor MacDonald as chairman. Professor Ross read the report of the Committee on the Secretary's Report which was adopted.

Moved and carried that the Academy in co-operation with the proper authorities in the city of Des Moines invite the American Association for the Advancement of Science to hold a meeting in Des Moines. President Pammel suggested that Dr. G. W. Stewart act as chairman of that committee, and that a member be selected from each of the institutions in the state to act with Dr. Stewart on that committee.

On recommendation of the Committee on Nominations the following officers were elected on motion:

President, O. H. Smith, Cornell College.
Vice-President, R. I. Cratty, State College.
Secretary, F. S. Helmick, Drake University.
Treasurer, A. O. Thomas, State University.

At a later date Dr. D. W. Morehouse of Drake University was appointed Representative to the American Association for the Advancement of Science.

The following sectional chairmen were appointed:

Bacteriology, Paul Emerson, State College.
Committee on Biological Survey

Botany, H. E. Jaques, Iowa Wesleyan College.
Chemistry, H. F. Lewis, Cornell College.
Geology, W. F. V. Leicht, Simpson College.
Physics, P. S. Helmick, Drake University.
Zoology, Dayton Stoner, State University.

The Executive Committee recommended that non members giving papers before the Academy be ready to enter the organization as members, and recommended Cedar Falls as the next meeting-place. The report was adopted on motion.

In the absence of Dr. Wylie the report of the Resolutions Committee was read by Dr. Wilson.

It was moved and carried unanimously by a rising vote that the assembled Academy extend greetings to the following charter members, to whom the Academy owes an abiding obligation: Drs. Andrews, Fairchild, Macbride, Osborne, and Pope.

President-elect Smith then took the chair, and after a few remarks the meeting adjourned on motion.

P. S. Helmick,
Secretary Pro-tem.

The Report of the Committee on Biological Survey

1. Recommended, that the Iowa Geological Survey be invited to undertake a natural history survey of the State. Such a survey should include the investigation of such problems connected with the native plant and animal life as may be of importance to the agricultural interests, the fish and game resources, the recreational privileges, and the educational work of the people of the State. (Authority to carry on such work is given to the Iowa Geological Survey by Section 4 of the revised statute governing that body.)

Administrative Participation of Biologists

2. Recommended, that a committee of three be appointed by the Iowa Academy of Science to act in an advisory capacity with the Iowa Geological Survey in the matter of biological work. That each member of this committee of the Academy should have a tenure of three years, and that the terms shall be arranged so as to expire in successive years.

Funds

3. Recommended, that the Iowa Academy of Science endorses the minimum appropriation of $2,000 by the State Legislature for the specific purpose of promoting a natural history survey of the State of Iowa. Such funds to be used for biological investigations, and not for publication. That such appropriated funds shall be handled through the regular organization of the State Geological Survey, but that account of them be kept separate and apart from other funds of the Geological Survey.

Legislative Committee

4. Recommended, that a committee consisting of members of the Academy who reside not far from Des Moines be appointed to look after the
interests of this project before the proper committees of the next session of the Iowa Legislature.

T. C. STEPHENS
H. S. CONARD
DAYTON STONER
H. E. JAQUES
L. H. PAMMEL
Committee.

THE REPORT OF THE MEMBERSHIP COMMITTEE

The membership committee presented the following names:

For transfer from Associate to Fellow:
Apfel, Earl T.; Baker, W. G. T.; Campbell, H. G.; Castetter, Edward F.; Coleman, G. H.; Cornog, Jacob; Dille, Glen S.; Emerson, Paul; Fitzpatrick, F. L.; Fulmer, Ellis I.; Hayes, Anson; Heaton, Vincent E.; Himmel, W. J.; Ladd, H. S.; Lantz, C. W.; Lindstrom, E. W.; Martin, G. W.; Moots, Elmer E.; Mullin, Catherine; Myers, Merrill M., Nelson, V. E.; Noe, A. C.; Plagge, Homer H.; Reagan, Albert B.; Richey, H. W.; Rowe, Paul; Rusk, W. J.; Schulz, John A.; Takkenberg, H. J.; Treganza, J. A.; Van Pelt, J. R.; Weeks, LeRoy Titus.

For election as Fellow
Carr, A. B.; Colpitts, Julia T.; Paddock, F. B.; Ruckmick, C. A.; Smith, E. R.; Turner, John S.

For election as Associate
Albert, W. E.; Bailey, A. C.; Bausman, C. C.; Berkhout, Christine; Chamberlain, Thomas; Chapin, Florence S.; Conover, Vern W.; Crozier, Alice M.; DeBord, G. G.; Delevan, Fred; English, Lester E.; Featherly, H. I.; Fennell, Robert; Fleming, Annie W.; Greck, Wm.; Hammer, B. W.; Hanna, R. W.; Harnd, F. S.; Harrell, M. A.; Heginian, Lucea; Herr, Gertrude; Ho, Wm. T. H.; Hottes, Fred C.; Johnson, Marion; Kay, G. Marshall; King, Philip B.; Kurtz, Edwin; Lawler, W. E.; Laybourn, R. L.; Leatsler, M. E.; Mauhe, Katherine; Mentzer, Phoebe; Morris, Harold; Mortimore, Morris; Newman, Fred; Paine, Fred S.; Platf, G. A.; Porter, Donald R.; Poulter, R. W.; Rath, Earl H.; Roberts, F. L. R.; Rogers, Charles F.; Rothacker, R. R.; Scott, David H.; Scott, F. C.; Seashore, Robert; Smith, Marion A.; Spong, Philip; Trenk, Fred R.; Unash, Cora; Updegraff, Harlan; Uppal, B. N.; Wallace, R. H.; Werkman, C. H.; Williams, Mason; Zuker, W. B.

REPORT OF THE COMMITTEE ON CONSERVATION IN CONNECTION WITH PUBLIC SCHOOLS

To the Iowa Academy of Science:

Your Committee on Conservation in Connection with Public Schools presents the following report:

We feel that this is an important movement inasmuch as it looks forward towards bringing about a right attitude towards conservation in the future
citizenship of the state by educating the boys and girls now in our public schools in respect to this important subject.

There are two problems involved: first, as to the means of publicity and second, as to material used.

As to the agencies for publicity there are a number, all of which no doubt, would gladly co-operate in the movement. These agencies are as follows: The publicity bureaus and extension services of the state institutions, the newspapers and press associations, the magazines such as the Iowa Magazine, and the State Fish and Game Association, State Board of Conservation, and State Teachers' Association, and Federation of Women's Clubs.

The kinds of material would be programs for such occasions as Bird Day and Arbor Day, nature pamphlets and leaflets to be distributed to schools, articles on flowers at the time they appear, especially on rare flowers that should not be plucked, articles on the trees, shrubs and birds of Iowa. These articles no doubt, the newspapers and magazines of the state and extension departments of the state institutions would publish.

Last but not least in importance of the material would be public addresses before the school children, upon the conservation of wild life, such as Mrs. Tuttle, a member of this committee and many others of the state have been giving. In fact, we feel that every member of the Iowa Academy of Science should make it a duty to either give or arrange for the giving of one or more addresses on the subject before the school children of his respective community.

In order to carry out the program here suggested, the Academy should appoint a committee or committees to formulate the material for the publicity program and one or more committees to secure the co-operation of all the various agencies in the state for carrying out the publicity program.

J. N. Martin
B. Shimek
Mrs. F. May Tuttle
Henry S. Conard
Arthur Goshorn.

THE REPORT OF THE COMMITTEE ON PUBLICATION

I. SUGGESTIONS TO THE SECRETARY

1. Titles will not be printed in the program in the volume of Proceedings unless accompanied by a complete paper or an abstract. Papers printed in full elsewhere should appear only in abstract in the Proceedings.

2. The Editorial board shall consist of the Chairman of the Sections.

3. The Secretary is requested to send to each author with his last page proof a printed order-blank for reprints.

4. The Editors should try to get from the State authorities an extension of space.

II. INSTRUCTIONS TO AUTHORS

Since the Academy has no paid editor to prepare manuscripts for the printer, authors are requested to conform to the following rules. The Secretary is expected to return manuscripts for correction if they do not conform.
1. Use standard “letter” size paper 8½ by 11 inches, of good quality (not thin, slippery or shiny).

2. An original typewritten copy (not a carbon copy) should be given to the Secretary. Keep a carbon copy for reference and as security against possible loss.

3. Leave a margin of one inch at top of sheet and one and a half inches at left side.

4. Use only one side of paper.

5. The title of the article should tell very briefly and concisely what the article is about. Under the title place the author’s name. The author’s address appears at the end of the paper.

6. Typewritten manuscript should be double-spaced, except in short quotations or footnotes, which are to be set close or in special type in the printed work. Avoid interlineations. Leave sufficient space between sentences. Indicate paragraphs by distinct indentation.

7. Composition must be in concise and lucid English. Spell, punctuate, capitalize, and cite literature consistently. Simplified spelling is allowed wherever it has become customary; extremes are discouraged. Avoid abbreviations except in citations. Write out numbers of one or two places; numbers of three or more places may be printed in figures.

8. Footnotes should be (1) inserted in the manuscript as they occur, with a line across the page above and below, or (2) all typed consecutively on a separate sheet or sheets of paper. The footnotes should be numbered consecutively; the place for a footnote in the text is indicated by “superior” figures over an inverted caret.

9. Citations should be in this form:


10. Names of genera and species are italicized when in text (underscore with straight line in manuscript). Omit names of authors of specific names whenever it is possible to do so.

11. Copy for plates or figures must be accompanied by a legend for each plate or figure on a separate sheet, since the plate goes to the engraver and the legend to the printer. Mark in margin of text where each figure is to be inserted. Arrange figures to extend the entire width of the page. Economize space as much as possible by combining small figures into one cut, but do not crowd figures on a page. Number figures of a group so as to be easily found.

12. In general we recommend the “Suggestions to Authors” issued by the U. S. Geological Survey.

13. The Academy cannot undertake to publish lengthy papers. The Secretary and Editorial Board are authorized to determine the amount of space and number of plates or figures to which a paper is entitled.

W. S. HENDRIXSON

*GUY WEST WILSON

HENRY S. CONARD, Chairman.
REPORT OF THE RESOLUTIONS COMMITTEE

THE REPORT OF THE RESOLUTIONS COMMITTEE

WHEREAS, Dr. James H. Lees has served the Iowa Academy of Science most efficiently, and

WHEREAS, he has been kept from this meeting by illness,

BE IT RESOLVED, That the Iowa Academy of Science heartily records its appreciation of this service as secretary and our satisfaction that his improved health promises full return to his work.

BE IT RESOLVED, That the Iowa Academy of Science wishes to again go on record as being heartily in favor of the conservation of our natural resources, our wild flowers, and our native animals. We also wish to express our hearty approval of the development and expansion of our program of State parks which are assisting materially in the preservation of the natural beauty of our State and of many of the objects of scientific interest.

WHEREAS, This meeting of the Iowa Academy of Science occurs near the 35th anniversary of Professor L. H. Pammel’s beginning of service as a member of the Faculty of Iowa State College,

BE IT RESOLVED, That the Iowa Academy of Science desires to record its appreciation of Professor Pammel’s many services to the Academy and to the State as scientist, educator, and publicist.

WHEREAS, Widespread mischief has been occasioned in our country through the pollution of its waters, therefore,—

BE IT RESOLVED, That the Iowa Academy of Science wishes to endorse the view that the State of Iowa should rigidly oppose the introduction into its streams and lakes of sewage or injurious wastes from industrial plants, and, further

BE IT RESOLVED, That a copy of this resolution be forwarded to the Governor of the State and to the State Board of Health.

WHEREAS, The Iowa Academy of Science is just concluding a most successful session through the many thoughtful courtesies of the science men and the administration of Iowa State College,

BE IT RESOLVED, That the Iowa Academy of Science desires to express to the Iowa State College, to the local committee and its efficient chairman, R. I. Cratty, and to President Pearson our deep appreciation of all that has been done to make the thirty-eighth annual meeting of the Academy so successful and our visit so delightful.

Respectfully submitted,

R. B. Wylie
Guy West Wilson
Mrs. H. T. Taylor
H. S. Doty
C. W. Wester
D. W. Morehouse

WHEREAS, in many cases drainage in Iowa has resulted in evils, the chief of which may be noted as follows:

1. In many cases the “reclaimed” lands are poor or even worthless, and do not compensate for the expenditure necessary for drainage, but bring heavy burdens of taxation without adequate returns.

2. In some cases adjoining lands have been injured by overdrainage,
with the added injustice that they are included in the drainage district, and
the owners are forced to pay for what actually results in harm to them by
lowering the water-table.

3. The removal of large, wet areas by drainage diminishes the source
of supply of water-vapor in the air. The latter is fully as important as the
water of the soil, for crop plants cannot grow in dry air no matter how
much water is available at the roots. The wealth of Iowa is in the water
of the soil and the air, and when we reduce this by drainage especially in
the latter case, we kill the goose that lays the golden eggs.

4. In some cases drainage schemes have been carried out by speculators
who placed burdens upon innocent purchasers such that some face bank-
ruptcy as a result. The State of Iowa should not be a party to such
schemes.

5. In many cases natural resources, much more valuable than any crop
which can be produced on the acquired land, have been destroyed by drain-
age. Among these may be noted the elimination of valuable native food
plants, such as wild rice and the lotus; the destruction of the breeding and
feeding grounds of valuable fish, game birds and fur-bearing animals; the
destruction of bottomland forests which results in greater erosion and in-
creased silting up of our streams as well as the destruction of valuable
trees, such as the black walnut, swamp white oak, sycamore, etc.

THerefore be It Resolved, that the Iowa Academy of Science earnestly
recommends to the people of the State of Iowa and to the responsible
official authorities, that all drainage projects be advanced with caution, and
with due attention to the possible injuries as well as benefits resulting
therefrom, and proper recognition of the fact that consideration should be
given not only to the engineering possibilities of these projects, but also to
the consequent effects upon adjoining tracts as well as the area drained;
to the probable agricultural value of the soils when drained; to the effect
upon the water supply of both soil and air; and to the proper balancing of
the good and evil which experience has already shown to result from drain-
age.

Be It Resolved, that all questions of the drainage of our lakes and larger
swamps, and the changing of the courses of our larger streams be
referred to the State Board of Conservation for scientific investigation, and
that no such projects be carried out unless approved by said Board; and
we recommend that necessary legislation be enacted to give said Board
such power.

Be It Resolved, that this Academy is ever ready to join with other or-
ganizations in the furtherance of wholesome conservation interests, and
that we are always willing to furnish available scientific information which
will serve the interests of the public in this field.

Be It Resolved, that a copy of these resolutions be transmitted to the
Governor and the General Assembly of Iowa, to the Boards of Supervisors
of the several counties, to the Iowa State Board of Conservation, and also
to the press.

Approved:
Mrs. H. J. Taylor
Guy West Wilson
H. S. Doty
Committee on Resolutions.
REPORT OF THE SECRETARY

WHEREAS, Dr. James H. Lees has served the Iowa Academy of Science most efficiently as an officer during a period of nine years, since his election as Secretary at the Cedar Falls meeting in 1914, and

WHEREAS, he has presented his resignation as Secretary of the Academy, therefore

BE IT RESOLVED, that the Iowa Academy of Science hereby expresses its full recognition and its highest appreciation of

His long term of highly efficient service,
His remarkable fitness and capability for this work,
His enthusiasm for the welfare of the Academy,
The extreme care and accuracy which have characterized the editorial work of his office,
The pleasant, tactful manner in which the personal relations of the Secretary have been conducted, and
His intense interest in public welfare and in co-operating with organizations which seek to conserve the natural resources and the natural scenic beauty of the State.

JOHN E. SMITH
E. J. CABLE
T. C. STEPHENS
DAYTON STONER
Committee

THE REPORT OF THE SECRETARY

Mr. President and Members —

This Academy at its last meeting enacted two pieces of legislation which, it seems to me, may be fraught with great possibilities for the future work of our society. One of these was the authorization of a committee on coördination of research in Iowa; a committee whose functions should be to facilitate scientific research in the state, to avoid unnecessary duplication of effort, and to assign problems in research. This is a broad field and one in which our Academy may do much good. The time is ripe for this body to do more constructive work than merely to meet once a year and report the results of our work, important as that is. We are now strong enough, numerically and financially and in the matter of prestige, to proceed as an institution in the field opened to us in the resolution authorizing this committee. Our members are alive to the importance of research and many of them are actively engaged therein. Can we not still further aid in its progress by suggesting and encouraging study in problems of the various sciences, by energetically supervising the research problems of our membership, and by recognizing the value of research by grants to aid in its prosecution and by some tokens to signalize its completion. Furthermore, I suggest that the organization of this committee be incorporated in our by-laws and that its membership be maintained by election in the same way and at the same time that the general officers of the Academy are chosen.

The other enactment looked toward the appointment of a committee on publication. Heretofore we have proceeded on a rather hit or miss basis in the matter of publication of papers offered. The responsibility has been laid largely on the secretary. I trust that the work of this committee will
stabilize our procedure and will give the secretary something tangible by which to judge the admissibility of papers submitted to him for publication. Our board of editors, if I may dignify it by so formal a name, has served as a beginning and has been of much help to the secretary, but the findings of the present committee should go much further and be of proportionately greater help. At present I am not apprised of the contents of the committee's report but I would recommend that this report when completed likewise be included in our by-laws and thereby made a permanent part of our organization.

In this connection I wish to commend the recent action of the Chemistry section; namely that abstracts of all papers presented at the meeting of the Academy are to be submitted for publication in our Proceedings. In this way and in this way only may a comprehensive outline of the previous year's accomplishment be recorded for future reference. We have in the past ordered that titles should not be accepted for inclusion in the program unless they were accompanied by abstracts or complete papers. But a glance at the lists of titles in our volumes will show how well the rule has been observed in the breach, and by many of our most faithful members too. If our organic law forbade the secretary to record a title unaccompanied by at least an abstract perhaps there would not be so many gaps in the pagination of the list of papers presented as there have been in the past. At the same time I believe that whenever it is practicable papers should be presented before the Academy orally rather than read in full. This practice conduces to a more interesting presentation and may help to rob an otherwise very abstruse subject of some of its terrors.

While I am discussing this subject, which as you know is a favorite one of mine, may I make a few general suggestions which, I hope, will not in the least encroach on the province of our special committee. It would be well if every scientist would remember that exactitude in expression is just as fundamental in making the results of research intelligible as is exactitude in investigation. No true scientist should for a moment allow himself the laxness in research that some of us manifest in our literary effort— or lack of effort. Remember that easy writing makes hard reading. Hold yourself as strictly to the dicta of English composition as you do to those of scientific achievement. Be consistent in your use of the various forms of expression. Follow the style rules of the publication for which you are writing. Observance of such suggestions as these will make the labors of your editor much easier. In addition your paper should be as short and concise as it is possible to make it and still convey your whole message. Papers of fifty or sixty pages are not welcomed by either the Academy or the editor.

A few years ago I suggested that scientific names should when possible be accompanied by the names in common use. I was promptly and effectually reprimanded by one of our most distinguished members. I have just finished reading a somewhat lengthy dissertation, page upon page of which is occupied by lists of scientific names, each one followed by the name of the author, and this in almost endless repetition. We are informed scores upon scores of times that Spirifer planumbona received its designation by that distinguished father of American geology James Hall; similarly that Fenestella suborbiculoides was christened by the noted

https://scholarworks.uni.edu/pias/vol31/iss1/4
bryozoanologist Ulrich; and so on ad infinitum. Is all of this necessary, in geology any more than in botany or chemistry? Why should not every chemical compound be labeled with the name of its discoverer as well as every fossil or bug? The chemist would call it ridiculous. This time, fortunately for me, I hope, I have authority behind me, in the form of a paper by one of our botanists in which he protests against the indiscriminate citation of authorities. It seems as if this subject might well receive some attention at the hands of the branches of science most concerned.

The Academy has experienced a healthy growth during the year. Evidently the suggestions made a year ago regarding care in nominating persons for membership have borne fruit, for not only have several persons elected two years ago joined within the past twelve-months but of the sixty persons elected as Associates a year ago fifty-three have accepted membership, a much higher percentage than usual. In addition eight others have been admitted during the year. The total number of accessions has been four new Fellows, twelve Fellows by transfer, and sixty-three Associates. The Treasurer has dropped twenty-three names from the roll, leaving us a net increase of forty-four. Our total membership is now 404, 228 being Fellows and 186 Associates. I feel especially gratified at the number who have joined during the year for it seems to me a fine indication of the continuing influence which our Academy exerts.

For several years the pressure of time at our annual meetings has been increasing. Our programs have become so large that two sessions do not afford sufficient time for deliberate presentation and discussion of papers. It seems as if we will have to consider the desirability of an added session, for some of the sections at least. I wish the members would bear this question in mind and be prepared to take action on it in the near future.

The Proceedings of the Cornell meeting are now being bound and should be distributed before long. I feel that they constitute a very creditable volume and will do us honor. The printer has done work of excellent quality and with commendable promptness. The volume would have been issued before now but for unavoidable circumstances.

The Secretary is in receipt of invitations for the Academy to send delegates to the meeting of the British Association for the Advancement of Science which is to be held at Toronto from August 6 to 13 inclusive, and to the meeting of the International Mathematical Congress, which also is to be held at Toronto, from August 11 to 16 inclusive. Several of our members doubtless will be in attendance at these meetings and I recommend that we accredit them as delegates. An invitation has been received also to participate in the International Geographic Congress which is to meet at Cairo, Egypt, in 1925. Our Academy should in some way acknowledge this invitation.

The Ecological Society of America is endeavoring to have a National Monument established at Glacier Bay, Alaska, and is enlisting the efforts of different organizations. We might well give this movement our cordial endorsement.

The Treasurer and the Secretary have served you for ten years. These have been very pleasant years and we are grateful for the hearty cooperation and appreciation of the Academy in the work we have been doing. We trust the coming years will be even more fruitful than the past years have been.
On behalf of the Academy may I extend congratulations to our President for his long years of service to our State and wish for him the best of prosperity and continued usefulness.

Respectfully submitted,

JAMES H. LEES,
Secretary

THE REPORT OF THE COMMITTEE ON SECRETARY'S REPORT

Only in a general way do the members of the Academy know what problems are receiving attention from other members; and certainly problems are sufficiently numerous that each of us may have one as his very own. The committee is in hearty accord with the suggestion of the secretary relative to the creation of a body to serve as an investigation clearing house. Perhaps it may be a question whether the Academy is strong enough yet financially to make any appropriations to aid investigators.

As a result of experience members of your committee sympathize with the secretary in the suggestion that there be a committee on publication. There will be a much more comfortable feeling on the part of the editor if he can say to an author, "The committee suggests your paper needs revision before it is published, and, incidently, that it should be in acceptable English," than there is if the editor must use the personal pronoun I. Scientists are amused sometimes at statements made by literary men when they wander over into the realms of science. Some scientists live in glass houses, of glass not reënforced.

The committee heartily concurs with the secretary in insisting upon scientific exactitude in publication and to this end suggests that in a paper presenting specific biological names the full scientific name with author and the common name if any should appear together once early in the paper and thereafter only the scientific or common name when referring to the species.

It is the feeling of the committee that before action is taken to lengthen the period of the annual session of the Academy that further efforts be made to better use the time which we now employ. Some suggestions as to the way in which this might be accomplished would be: increasing the number of sections, as for example, a genetics half day session including both botanical and zoological papers, and a half day psychology section. Furthermore the session on Saturday morning might begin an hour earlier. In case one man has more than two papers on the program it might be well for him to select the one or two most important ones and read the others by title. Finally it is believed that the Academy has developed to a point where the rule of filing an abstract with the title before the announcement of the program is printed should be enforced.

The committee approves the suggestion that the Academy give its hearty support to the efforts of the Ecological Society of America in its endeavor to have a National Monument established at Glacier Bay, Alaska.

The goodwill felt by the Academy toward all other like organizations urges us to give appropriate recognition to invitations received from such bodies.

The committee wishes to congratulate the secretary upon his report as it...
THE TREASURER’S REPORT

gives evidence of the usual careful thought that characterises all of his work in connection with the office during his service of ten years.

L. S. Ross
Guy West Wilson
H. S. Doty
C. H. Farr

THE TREASURER’S REPORT

RECEIPTS

Cash on hand, April 30, 1923........................................ $ 57.49
Transfer fees, members to Fellows, during the year.............. 30.00
Income from entrance fees, Fellows and Associates.............. 77.00
Income from annual dues, Fellows and Associates.............. 301.00
Sale of Proceedings.................................................. 3.98
Dues collected for A. A. A. S..................................... 9.00
Interest on Liberty Bond............................................ 2.12
Interest on Savings Deposit......................................... 27.31

Total ........................................................................ $ 507.90

EXPENDITURES

Federal Printing Company, for programs Cornell meeting...... $ 40.65
Postage for Secretary, sending out 1923 programs.............. 9.00
Athens Press, 1000 statements........................................ 5.00
Stenographic help for Treasurer..................................... 5.90
Postage for Treasurer’s office...................................... 10.00
Remitted to A. A. A. S.................................................. 5.00
Refund to Life Members................................................ 7.00
Refunded to Mr. W. F. V. Leicht, clerical error................. 3.00
Honorarium to Secretary................................................ 75.00
Honorarium to Miss Newman, distributing proceedings........ 25.00
Honorarium to Treasurer.............................................. 25.00
Transferred to Savings Account.......................... $ 250.00

Total ........................................................................ $ 460.55
Balance in Bank May 2, 1924......................................... 47.35

$ 507.90

ASSETS OF THE ACADEMY ARE ABOUT AS FOLLOWS

Balance in Bank, May 2, 1924................................. $ 47.35
Savings Account plus 4 months interest.................... 835.75
Liberty bond plus accrued interest................................. 50.71
Arrearages due (estimated)........................................... 47.00 $ 980.81

Total ........................................................................ $ 980.81

LIABILITIES (as far as they have come to hand)

Annual dues A. A. A. S., one member......................... $ 4.00
Statement blanks, Athens Press........................... 5.00
Federal Printing Co. for, programs current meeting............ 83.90
Federal Printing Co., application cards.......................... 8.95
Postage, sending out programs, J. H. Lees...................... 10.00

Total .......................................................................... $111.85

Balance ........................................................................ $868.96

Approved:

A. T. Erwin
F. W. Emerson
R. A. French

Auditing Committee

LIST OF MEMBERS IN ATTENDANCE

Alexander, K. O., Des Moines; Almy, Frank F., Grinnell; Bailey, A. C., Ames; Baker, J. Allen, Indianola; Baker, W. G., Ames; Bakse, A. L., Ames; Baldwin, F. M., Ames; Baltimore, Madge, Grinnell; Baughart, Harriet, Storm Lake; Bartow, Edward, Iowa City; Benedict, A. A., Ames; Bennett, George, Iowa City; Berkhout, C. M., Ames; Blom, E. C., Des Moines; Bond, P. A., Iowa City; Brown, F. E., Ames; Buchanan, R. E., Ames; Butler, L. W., Ames; Cable, E. J., Cedar Falls; Colbert, J. C., Iowa City; Coleman, G. H., Iowa City; Collins, E. H., Iowa City; Conard, Elizabeth, Grinnell; Conard, H. S., Grinnell; Cornog, Jacob, Iowa City; Coss, James A., Sioux City; Craig, David, Des Moines; Cratty, R. L., Ames; Crozier, Alice, Ames; Crusinberry, W. A., Des Moines; Culbertson, J. B., Mt. Pleasant; Daniels, P. C., Des Moines; Davis, Geo. E., Ames; Denning, R. M., Fayette; Doty, H. S., Indianola; Drake, Carl J., Ames; Dudgeon, Winfred, Allahabad, India; Emerson, Fred W., Oskaloosa; Emmons, C. W., Indianola; Evvard, John M., Ames; Farr, C. H., Iowa City; Finkenbinder, E. O., Cedar Falls; Fleming, Annie W., Ames; Foulke, C. D., Des Moines; French, R. A., Dubuque; French, R. C., Des Moines; Frisk, P. W., Des Moines; Getchell, R. W., Cedar Falls; Gilman, Joseph, Ames; Goodell, F. E., Des Moines; Gose, C. B., Indianola; Goshorn, Arthur, Winterset; Goshorn, Mrs. A., Winterset; Guthrie, J. E., Ames; Harris, H. M., Ames; Helmick, P. S., Des Moines; Helmick, Dorothy, Des Moines; Hendrixson, W. G., Grinnell; Hendrickson, George, Cedar Falls; Hersey, S. F., Cedar Falls; Hill, A. L., Jr., Des Moines; Himmel, W. J., Iowa City; Hoff, W. L., Fayette; Hoffman, Charles, Mt. Pleasant; Horn, Albert, Jr., Des Moines; Jaques, H. E., Mt. Pleasant; Johns, E. W., Ames; Kadesch, W. H., Cedar Falls; Kay, G. F., Iowa City; Kelly, Harry M.; Mt. Vernon; King, P. B., Iowa City; Kinney, C. N., Des Moines; Kirby, J. E., Des Moines; Knight, Nicholas, Mt. Vernon; Kunerth, Wm., Ames; Ladd, H. S., Iowa City; Lancashire, E. R., Mt. Pleasant; Lawler, W. E., Davenport; Laybourn, R. L., Iowa City; Leatsler, M. E., Iowa City; Leight, W. F. V., Indianola; Lewis, H. F., Mt. Vernon; Lin, Sidney, Ames; Lindstrom, E. W., Ames; McGaw, F. M., Mt. Vernon; McKelvey, Mrs. J. V.; McLaughlin, H. M., Ames; Manning, K. V., Iowa City; Martin, G. W., Iowa City; Mauthe, Katherine, Fort Dodge; Melhus, I. G., Ames; Meyer, Alfred W., Cedar Rapids; Miller, H. W., Des Moines; Mills, Wier R., Pierson; Morehouse, Chas,
MEMBERS IN ATTENDANCE

Des Moines; Morehouse, D. W., Des Moines; Morrow, R. M., Iowa City; Mortimore, R. H., Lamoni; Neff, I. F., Des Moines; Norris, H. W., Grinnell; Overstreet, P. C., University Park; Paddock, F. B., Ames; Paine, Fred S., Iowa City; Pammel, L. H., Ames; Parish, Jessie, Cedar Falls; Parker, R. L., Ames; Peacock, H. B., Iowa City; Plagge, H. J., Ames; Popoff, Stephen, Iowa City; Porter, D. R., Ames; Poulter, Wm., Mt. Pleasant; Raiford, L. C., Iowa City; Rath, H. E., Cedar Falls; Read, O. B., Cedar Falls; Reilly, J. F., Iowa City; Ressler, I. L., Ames; Rietz, H. L., Iowa City; Rogers, R. A., Iowa City; Ross, L. S., Des Moines; Rowe, Paul, Glenwood; Rusk, W. J., Grinnell; Sarkaria, R. S., Ames; Scott, Winfield, Cedar Falls; Searight, W. V., Iowa City; Seashore, R. H., Iowa City; Sherman, L. P., Grinnell; Sieg, L. P., Iowa City; Smith, C. R., LeMars; Smith, E. R., Ames; Smith, O. H., Mt. Vernon; Smith, Scott W. Jr., Cedar Rapids; Spanswick, M. P., Des Moines; Spinney, L. B., Ames; Stainbrook, M. A., Iowa City; Stephens, T. C., Sioux City; Stewart, G. W., Iowa City; Stoner, Dayton, Iowa City; Sucker, Mabel E., Mason City; Thomas, A. O., Iowa City; Thompson, Effie, Muscatine; Thompson, Geo. E., Ames; Trachsel, Chas., Iowa City; Trenk, F. B., Ames; Trytten, M. A., Decorah; Tuchschman, W. E., Mt. Vernon; Unash, Cora, Iowa City; Uppal, B. N., Ames; Wall, W. L., Des Moines; Wallace, R. H., Iowa City; Weida, F. M., Iowa City; Wellhouse, W. H., Ames; Wester, C. W., Cedar Falls; Whiting, P. W., Iowa City; Wifvat, S. J., Des Moines; Willeford, Levi, Mt. Pleasant; Wilson, Ben H., Mt. Pleasant; Wilson, G. W., Fayette; Wilson Ward, Des Moines; Woodrow, H W., Des Moines; Woods, Roscoe, Iowa City; Wylie, R. B., Iowa City; Yancy, W. P., Davenport; Zuker, W. B., Dubuque.