

ARKANSAS ACADEMY OF SCIENCE

Volume XXVIII

Proceedings

1974

Eugene B. Wittlake
President

Clark W. McCarty
President-Elect

William C. Guest
Secretary

William L. Evans
Treasurer

Dwight M. Moore
Historian

Secretary's Report

MINUTES OF THE FIFTY-EIGHTH ANNUAL MEETING - APRIL 5-6, 1974

FIRST BUSINESS MEETING

The first business meeting of the 58th Annual Meeting was called to order by President Clark McCarty at 10:30 a.m., April 5, 1974, on the campus of State College of Arkansas, Conway. Dr. Neal Buffalo, State College of Arkansas local arrangements chairman, welcomed the membership to the campus.

President McCarty called for reports from the officers of the Academy and from representatives of organizations sponsored by the Academy.

Secretary:

The Secretary reported that the minutes of the 57th Annual Meeting were published in the 1973 Proceedings, Volume 27, and were being distributed at the meeting. Approval of the minutes as published would be called for at the second meeting.

The Secretary reported that 154 members paid dues in 1973 in contrast to 144 in 1972 and 136 in 1971. A part of this increase was due to an increase in the number of associate members.

Treasurer:

Dr. W. L. Evans, Treasurer, circulated copies of the financial report and summary. The financial report and summary follow.

Financial Statement Arkansas Academy of Science March 31, 1974

Cash balance in checking account, April 1, 1973	\$2,229.44
Reserve funds (savings certificate & savings account)	1,699.80
Total cash funds, April 1, 1973	\$3,929.24

Receipts (April 1, 1973 - March 31, 1974)

1. Individual memberships	\$1,520.00
2. Institution memberships	600.00
3. Subscriptions to Proceedings	433.00
4. Page & reprint charges for Proceedings	959.25
Total receipts	\$3,512.25

Expenditures (April 1, 1973 - March 31, 1974)

1. Dan James Hawkins - Talent Search winner	\$ 20.00
2. Verona Ann Tice - Talent Search winner	15.00
3. Donna Marie Losak - Talent Search winner	10.00
4. Woodland Cafeteria, ASU - banquet charge	24.00
5. E. B. Wittlake - postage & mileage	68.20
6. ASU Museum - paper	10.80
7. E. B. Wittlake - meeting expense	17.02
8. Kemp Childs - travel to Science Fair	100.00
9. McRoy-McNair - stationery	47.69
10. E. B. Wittlake - name tags	7.73
11. ASU Museum - phone calls	9.71
12. Emily P. Tompkins - editorial assistant	106.70
13. Univ. Ark. - copywork	1.70
14. Univ. Ark. - office supplies	5.56
15. ASU Museum - phone calls	4.51
16. Internal Revenue Service - quart. withholding tax	10.10
17. Dept. Finance & Admin. - state withholding tax	1.20
18. Postmaster - box rent	2.00
19. J. L. Wickliff - editorial expense	37.48
20. Emily P. Tompkins - editorial assistant	104.70
21. Internal Revenue Service - quart. withholding tax	10.10
22. Dept. Finance & Admin. - state withholding tax	1.20
23. Maxine Hite - travel expense	29.80
24. Ark. Junior Academy of Science - budget	200.00
25. W. C. Guest - reimbursement for stamps	22.39
26. Phillips Litho Co. - printing Vol. 26, Proc.	2,557.49
27. Univ. Ark. - copywork	1.85
28. Emily P. Tompkins - editorial assistant	123.70
29. Internal Revenue Service - quart. withholding tax	12.90
30. Dept. Finance & Admin. - state withholding tax	1.40
31. Univ. Ark. - sales tax refund on reprints	5.01
32. Henderson State College - sales tax refund	1.11
33. Arkansas State U. - sales tax refund	5.51
34. Postmaster - stamps	34.00
35. Susan Kueter - AJAS research grant	40.00
36. Univ. Ark. - copywork	3.00
37. Assn. Academies of Science - membership dues	10.00
38. Collegiate Academy of Science - budget 73-74	150.00
39. George L. Harp - sales tax refund	1.39
40. Emily P. Tompkins - editorial assistant	59.00
41. Univ. Ark. - copywork (membership list)	22.50
42. Emily P. Tompkins - editorial assistant	37.60
Total expenditures	\$3,934.05

Secretary's Report

Summary

Beginning balance, ckg. & reserve, April 1, 1973	\$3,929.24
Total receipts	+3,512.25
Interest, reserve in savings	+ 115.76
Less expenditures	-3,934.05
Total funds, March 31, 1974	\$3,623.20
Checking account, McIlroy Bank	\$1,807.64
Reserve funds, savings certificate, FSLA	1,238.74
Reserve funds, passbook savings account, FSLA	<u>576.82</u>
Total funds, March 31, 1974	\$3,623.20

Editor:

Dr. James Wickliff, Editor, reported that Volume 27, 1973, of the Proceedings of the Arkansas Academy of Science was being distributed to the members at the meeting. He also reported that the 1973 issue was only two-thirds the size of the 1972 volume which reduced the cost of publication to some extent. He stated that the 1974 issue will provide only two free pages in contrast to three for previous issues but that the number of free pages would not be reduced further. Page charges for all pages above two would remain the same.

The Editor pointed out that there was no mechanism available for granting a waiver of payment of page charges. The Editor stated that he would propose that authors at the time of submitting a paper send a letter to the President requesting a waiver of page charges and that the waiver be made by the Executive Committee.

Historian:

Dr. Dwight Moore reported that the first college meeting was held on the campus of State College of Arkansas in 1934. The Academy met there again in 1964 and this is the third meeting at State College.

Junior Science and Humanities Symposium:

Dr. E. B. Wittlake reported that the seventh Symposium was held November 16-18, 1973, with 103 students and 53 teacher delegates present, the largest attendance thus far. Thirty-eight research papers were submitted and 17 were selected for reading. Six student delegates were selected including students from Fayetteville, Harrison, Benton, Hazen and Bay High Schools.

State Science Fair:

Professor Robert O. Saunders distributed brochures to the membership on Science Youth Activities. He pointed out that this year there had been a combined drive for funds with the Junior Academy of Science. Plans are being made to send the winner of the Junior Academy to the annual convention. Mr. Saunders thanked the Academy for \$100 given last year to help defray the expenses of sending one winner of the Science Fair to the International Science Fair. He urged that this support and support for the Junior Academy be continued.

He moved that \$300 be made available to the Arkansas Science Fair Association and the Junior Academy of Science. The motion was seconded. A motion carried to table the motion until the second business meeting.

Science Talent Search:

Dr. Leo Paulissen announced the winners for 1973 who were Danny J. Berry, Charleston, first place; Mary Jane Froth, Altus, second place; Carolyn Lon Miller, Fayetteville, third place.

Nominating Committee:

Dr. Neal Buffaloe reported that the committee was nominating Dr. John Gilmour, University of Arkansas, Fayetteville, for the position of Secretary, and Dr. Joe Guenter and Dr. Jerry Webb, University of Arkansas at Monticello, for the position of President-Elect. The election of officers will take place during the second business meeting.

Constitution Revision Committee:

Dr. George Templeton reported that the committee had reviewed the Constitution and had no changes to recommend.

Committee to Screen Junior Academy of Science Research Projects:

Dr. W. L. Evans reported that one research project had been submitted and \$40 for this project had been approved.

New Business:

President McCarty recognized Professor M. L. Lawson of the Science and Technology Council who spoke about the need for an inventory of scientific personnel in the state and asked for assistance in distributing an information sheet which the Science and Technology Council would use to make such an inventory. Professor Lawson moved that the Academy approve the sponsoring of the gathering of information for the science personnel inventory conducted by the Council. The motion carried.

Dr. McCarty appointed the following committees to report at the second business meeting:

- Audit - E. E. Dale, Hugh Johnson, Glen Good.
- Resolutions - Dee Palmer, Henry Robison, W. F. Evans.
- Meeting Place - M. L. Lawson, Ronald McGee, Daniel Matthews, Denver Prince.
- Research Proposal Screening Committee - W. L. Evans, Maxine Hite, Wayne Everett.

A discussion followed on the place of the Proceedings in the Academy. The Editor pointed out that there is no real way to cut costs and still put out a quality publication. He would prefer to eliminate the Proceedings rather than put out one of poor quality. The need to promote a membership drive was pointed out, and it was suggested that increasing subscriptions to the Proceedings would help.

President McCarty adjourned the meeting at 11:45 a.m.

SECOND BUSINESS MEETING

President McCarty called the second business meeting to order at 12 noon, April 6, 1974. He recognized Dr. Michael Condren and Dr. John Bridgeman, cosponsors of the Collegiate Academy of Science, who moved that \$175 be made available to the Collegiate Academy to assist in their operations. The motion was seconded and the motion carried.

President McCarty then recognized Professor Robert Saunders, State Science Fair, who moved that the Academy appropriate \$300 to help in the operation of the State Science Fair and the Junior Academy of Science. The motion was seconded. Dr. Wickliff moved to amend the motion to provide \$200 to the Junior Academy of Science and \$100 to the State Science Fair. The motion, as amended, was approved.

Dr. McCarty recognized Dr. Wickliff who moved that \$200 be appropriated for editorial assistance to help with the 1974 Proceedings. The motion passed.

Dr. Wickliff also moved that under conditions of financial limitation an author of a paper which is to be published in the Proceedings may, at the time he approves the page proof of his paper, submit a letter to the President requesting waiver of page costs for his paper. Granting the waiver in each case will be a function of the Executive Committee of the Academy. The motion was approved.

The President recognized the Secretary who moved that the minutes of the 57th Annual Meeting, 1973, be approved as printed in Volume 27 of the Proceedings. The minutes were approved as printed.

Dr. W. L. Evans moved that the financial report be approved. The Audit Committee, E. D. Dale, Chairman, reported that they had examined the books and records of the Treasurer and found them to be in good order. The financial report was accepted.

Dr. Charles Harbison reported that there is frequently a conflict between the Academy meeting and the meeting of the Math Association of America. He moved that the meeting of the Academy be the second Friday and Saturday of April except when Easter weekend interferes in which case an alternative date will be picked. The motion was seconded. Dr. Howick moved to amend the motion to recommend that the meeting of the Academy be the second Friday and Saturday of April. The motion as amended passed.

Dr. Buffaloe volunteered to serve as Chairman of the Membership Committee and asked members to serve as local membership chairmen. He said that plans were being formulated to try to increase membership by 100 this year. Dr. Buffaloe also announced that the ABCD meeting will be held at State College in the fall of 1974. He hoped to include problems of certification on the program and felt that this would be an important meeting.

Professor M. L. Lawson of the Science and Technology Council asked for one person from each institution to serve as a local representative to get information for the Science Personnel Inventory.

The President called for the report of the Nominating Committee. Dr. Howick reported that the names of Dr. Joe Guenter and Dr. Jerry Webb were being placed in nomination for President-Elect. Dr. Webb asked that his name be withdrawn and Dr. Guenter was elected President-Elect by acclamation. Dr. John Gilmour was nominated by Dr. Howick to be Secretary and Dr. Gilmour was elected by acclamation.

The Meeting Place Committee, M. L. Lawson, Chairman, announced that the Committee recommended accepting the

invitation from Southern State College, Magnolia, for the 1975 meeting. The recommendation was accepted by the membership.

The Resolutions Committee, Dr. Henry Robison, Chairman, recommended the following resolutions which were approved.

Be it resolved, that the Arkansas Academy of Science express its sincere thanks to our host institution, State College of Arkansas, for providing such pleasant facilities and congenial hospitality for the 1974 meeting and to the following people for their help in making the 58th Annual Meeting an outstanding success and enjoyable occasion: The Arrangements Committee at State College of Arkansas, Chairman Dr. Neal Buffaloe, Prof. Robert T. Kirkwood, Dr. Darrell Hutchins and Dr. Chet Kennedy; all Section Chairmen; Dr. Maxine Hite, Director of the Junior Academy of Science; Dr. Mike Condren, Sponsor of the Collegiate Academy of Science; Dr. E. B. Wittlake, Director of the Junior Science and Humanities Symposium; Mr. Philip Easley, Director of the State Science Fair; and Professor Robert O. Saunders, President of the Arkansas Science Fair Association.

The Academy also commends Dr. Clark W. McCarty, President of the Academy, Dr. William C. Guest, Secretary, Dr. William L. Evans, Treasurer, Dr. James Wickliff, Editor, and Dr. Dwight M. Moore, Historian, for the excellent manner in which they have discharged the duties of their respective offices during the year.

An especial thanks for a job well done goes to Dr. William C. Guest, who is retiring as Secretary after five years of meritorious service to the Academy. Also, the Academy expresses its sincere appreciation to Dr. James L. Wickliff for his duties as Editor of the Proceedings and congratulates him on the excellent job in compiling this year's first-rate Proceedings.

Dr. McCarty made a brief closing statement before introducing Dr. Edward E. Dale, the incoming President. Dr. Dale appointed a Nominating Committee of M. L. Lawson, Chairman, Neal Buffaloe, and E. B. Wittlake. He then adjourned the 58th business meeting.

Respectfully submitted,

William C. Guest, Secretary