

ARKANSAS ACADEMY OF SCIENCE

Fifty-third Annual Meeting

Fayetteville, Arkansas

April 11-12, 1969

OFFICERS

President	Dr. Arthur Fry
President-Elect	Professor M. L. Lawson
Secretary	Dr. George Templeton
Treasurer	Dr. John P. Jones
Editor	Dr. Lester C. Howick

SECRETARY'S REPORT

The first business meeting was called to order by President Fry at 10:30 a.m. April 11. The members were welcomed to the campus of the University of Arkansas, Fayetteville, by Dr. David W. Mullins, President of the University.

President Fry called for a report of the officers:

SECRETARY:

President Fry announced that Dr. Templeton, Academy Secretary, was not able to attend because of a death in the family and introduced Dr. W. C. Guest who would act as secretary. The acting secretary moved that the minutes of the fifty-second meeting as published in the Arkansas Academy of Science Proceedings, Vol. 22, 1968, be approved. The motion was seconded and the motion passed.

TREASURER:

Copies of the following financial statement and summary were distributed and discussed by Dr. J. P. Jones. Dr. Jones moved that the financial report be accepted. The motion was seconded and the motion passed.

ARKANSAS ACADEMY OF SCIENCE

Fifty-third Annual Meeting

Fayetteville, Arkansas

April 11-12, 1969

OFFICERS

President	Dr. Arthur Fry
President-Elect	Professor M. L. Lawson
Secretary	Dr. George Templeton
Treasurer	Dr. John P. Jones
Editor	Dr. Lester C. Howick

SECRETARY'S REPORT

The first business meeting was called to order by President Fry at 10:30 a.m. April 11. The members were welcomed to the campus of the University of Arkansas, Fayetteville, by Dr. David W. Mullins, President of the University.

President Fry called for a report of the officers:

SECRETARY:

President Fry announced that Dr. Templeton, Academy Secretary, was not able to attend because of a death in the family and introduced Dr. W. C. Guest who would act as secretary. The acting secretary moved that the minutes of the fifty-second meeting as published in the Arkansas Academy of Science Proceedings, Vol. 22, 1968, be approved. The motion was seconded and the motion passed.

TREASURER:

Copies of the following financial statement and summary were distributed and discussed by Dr. J. P. Jones. Dr. Jones moved that the financial report be accepted. The motion was seconded and the motion passed.

FINANCIAL STATEMENT

ARKANSAS ACADEMY OF SCIENCE

April 1, 1969

Balance on hand April 1, 1968	\$1777.14
Reserve Fund	517.64
	\$2294.78
	Total Assets
Receipts April 1, 1968 - March 31, 1969	
1. Dues	\$1650.00
2. Sales of Proceedings	815.55
3. FICA Refund	8.25
	\$2473.80
	Total
Disbursements April 1, 1968 - March 31, 1969	
1. John J. Chapman—Meeting Expense	44.68
2. Tom Hecox—Talent Search	3.60
3. William Adams—Talent Search	3.60
4. Science News—Subscriptions Talent Search Winners	13.00
5. U. of A.—Photoduplication of Proceedings	27.00
6. U. of A. Bookstore—Supplies	9.30
7. Fayetteville Building & Loan—transfer to Reserve Fund	800.00
8. E. E. Hudson—Junior Academy Expenses	200.00
9. Marilyn Johnson—Postage	16.00
10. Marilyn Johnson—Postage	5.00
11. Leo Paulissen—Talent Search	3.64
12. Marilyn Johnson—Post office box rental and postage	7.50
13. U. of A.—Printing of cards	8.50
14. U. of A.—Photoduplication of Proceedings	22.25
15. Southwest Printing Co.—Proceedings	1045.04
16. Ark. Alumni Assoc.—Mailing of Proceedings	23.36
17. AAAS—Annual Contribution	6.00
18. Myra Merchant—Jr. Acad. Sci. Project	30.00
19. John Gillean—Jr. Acad. Sci. Project	47.00
20. Wanda Swinney—Jr. Acad. Sci. Project	11.68
21. U. of A. Bookstore—Supplies	9.68
22. Ark. Industrial Development Comm.—Directory	10.00
23. Myrna Ashorn—Postage	30.00
24. U. of A.—Photoduplication of Proceedings	10.20
	\$2387.03
	Total

SUMMARY

Original Balance		\$1777.14
Receipts		2473.80
	Total Receipts	4250.94
Less Disbursements		2387.03
	Balance	\$1863.91
Reserve Fund		\$517.64
Deposit in Reserve Fund		800.00
Interest on Reserve Fund		40.71
	Balance	\$1358.35
Total Assets April 1, 1969		\$3222.26

JUNIOR ACADEMY OF SCIENCE:

Mr. E. E. Hudson reported on the activities of the Junior Academy. There are active chapters in 34 high schools with a total membership of 373 members. There were more than 60 papers presented by students in the regional competition and about 20 of these were presented at the state meeting held April 11, 1969, on the University of Arkansas campus. There are eight regions in the state. The majority of these have a college affiliated individual as director. Each member contributes fifty cents as dues which are retained within the region. The Senior Academy makes \$200 available to support regional activities.

COLLEGIATE ACADEMY OF SCIENCE:

Dr. J. L. Wickliff, co-sponsor of the Collegiate Academy, reported on the activities of the group. The Collegiate Academy is solvent but there are only three campus chapters and only the chapter at Harding College is active. There has been an attempt to encourage research participation and the reporting of research at the annual meetings. There is a research award given for the best paper presentation in the physical sciences and in the biological sciences. One boy and one girl can also be recommended for junior membership in the AAAS.

Dr. Wickliff pointed out that the Academy had only 26 members in three chapters, and he felt that the Senior Academy needs to give the collegiate group more support if the Senior Academy feels the Collegiate Academy is worthwhile.

A lengthy discussion followed Dr. Wickliff's report. Several possible reorganizations were discussed and President Fry suggested that the membership give the problem some thought before the matter was discussed further at the next business meeting.

JUNIOR SCIENCES AND HUMANITIES SYMPOSIUM:

Dr. Eugene Wittlake, Director of the Symposium, reported for the Symposium and his report is summarized briefly below. The third symposium was held November 14-16, 1968. Sixty students and 39 teachers attended the sessions held at the Grady Manning Hotel and at the Arkansas Power and Light Co. Auditorium in Little Rock. Field trips to area industries as well as to educational and health facilities were held. Representatives of key Arkansas industries conducted lecture-discussions. Six student delegates were chosen from 25 students submitting papers to go to the National Symposium on April 30-May 3, 1969. Support for the Symposium comes from the Pine Bluff Arsenal and from state industries. A Planning Board, broadly representative of the Arkansas Academy, the Pine Bluff Arsenal, state industry, and secondary and higher education in Arkansas provides program planning and leadership for the Symposium.

(Dr. Wittlake's full report is a part of the secretary's record of the Business Meeting)

THE EDITOR, AAS PROCEEDINGS:

Dr. Howick reported that the editorial board has considered the policy of publication of papers presented by title only. The policy adopted by the editorial board is that only papers read at the annual meeting of the Academy will be considered for publication in the Proceedings.

The editorial board received a request from the Collegiate Academy to publish their Proceedings (including minutes, financial statement and abstracts of papers). The board recommends that the Collegiate Academy proceed to develop its own Proceedings. The editorial board will recommend that no more than \$30 be made available to help the Collegiate Academy defray the expense of such a publication.

THE PRESIDENT:

Dr. Fry reported that the Academy had found someone willing to serve as director of the Cooperative College-School Science Curriculum Improvement Program. The Executive Committee was directed to proceed to prepare a proposal in 1969. The proposal can now be submitted although National Science Foundation funds may no longer be available.

A questionnaire was sent to members, high schools and participants regarding the Visiting Scientist Program. The response was small but the expression of interest high among those who responded. The Executive Committee reviewed the answers to the ques-

tionnaire and felt that interest was such that a commitment of funds by the Academy was not warranted for this year.

President Fry made the following committee appointments:

Future Meetings — Paul Sharrah and William W. Trigg

Nominations — Eugene B. Wittlake, Don England, Denver Prince

Audit — Robert W. Shideler and Alex Nisbet

Resolutions — M. L. Lawson and Dwight Moore

President Fry then introduced Dr. J. P. Jones, Chairman of the Constitution Revision Committee. Dr. Jones circulated a series of amendments to the constitution and by-laws. Dr. Jones then moved the adoption of the amendments to the constitution and by-laws and the motion was seconded. No action was taken at this business meeting and discussion was deferred.

The President adjourned the meeting at 12:05 p.m.

SECOND BUSINESS MEETING

The second business meeting was called to order by President Fry at 1 p.m., April 12, 1969. Before calling for reports, the President read a letter from Dr. George Templeton, retiring Secretary of the Academy. Dr. Templeton's letter follows:

Dear Dr. Fry:

Please express my regrets to the Academy members that I am unable to be with them during their annual meeting. I want to express my appreciation to all those with whom I have worked during the past five years for the cooperative, progressive attitudes they have all had. It is especially appropriate to thank the presidents with whom I have worked: Dr. Lowell Bailey, Dr. Jim Fribrough, Dr. Howard Moore, Dr. John Chapman, and you. Each has made a substantial step in our growth and development toward a more active, meaningful Academy, and I am grateful for having had the chance to work with them.

Best regards,

Sincerely,
George Templeton

Dr. Fry introduced Mr. Tom Pyron, Director of the State Science Fair, to make a report.

STATE SCIENCE FAIR:

Mr. Pyron reported that there had been 181 participants in the State Science Fairs. There were 8 categories in the junior and senior divisions. Twenty-seven first, second, and third place awards were given in the junior and senior divisions as well as 17 honorable mentions. There were two sweepstakes winners who were to go to th National Science Fair in Fort Worth.

President Fry then called for committee reports.

AUDIT COMMITTEE:

Dr. Shideler reported that his committee had examined the records and books of the Treasurer and found them to be true and accurate. It was moved and seconded that the report be accepted and the motion passed.

**AD HOC COMMITTEE ON REVISION OF
CONSTITUTION AND BY-LAWS:**

Dr. J. P. Jones, chairman of the committee, discussed the amendments that the committee had proposed and circulated to the membership. A discussion regarding the wording of By-Law Number 12 as proposed by the committee followed. It was moved that the words "and approved" be stricken from the proposed By-Law to make it read as follows:

"The Academy shall sponsor such activities as it deems necessary to the furtherance of its objectives. All activities sponsored by the Academy shall be reviewed annually by the Executive Committee."

The amendment passed.

The President then called for a vote on the original motion of Dr. Jones as amended. The original motion had been introduced at the first business meeting. This motion to approve the amendments to the constitution and by-laws passed.

FUTURE MEETINGS COMMITTEE:

Dr. Trigg reported that the committee had considered several invitations and moved that the Academy accept invitations to meet as follows:

1970—Arkansas Polytechnic College—Russellville
(approved at 1968 meeting)

1971—Harding College, Searcy.

1972—University of Arkansas, Fayetteville

1973—State College of Arkansas, Conway

Arkansas Academy of Science Proceedings

Dr. Trigg pointed out that both Harding and State College invited the Academy for 1971. Since Harding College had not had a meeting recently, the committee proposed that this invitation be accepted. Representatives of State College of Arkansas assured the Academy that their invitation would extend to 1973.

It was moved and seconded that the report be accepted. The motion passed.

NOMINATIONS COMMITTEE:

Dr. Wittlake reported for the committee that the following were being nominated for election to office:

President-elect—Professor Robert Kirkwood, State College of Arkansas.

Secretary—Dr. W. C. Guest, University of Arkansas

Historian—Dr. Dwight Moore, El Dorado, Arkansas

It was moved and seconded that nominations cease and the above officers were elected by acclamation.

AAAS FELLOWS COMMITTEE:

Dr. Clayton reported for the committee. The membership of the Academy was checked by the Business Manager of AAAS and 42 Academy members are also members of the AAAS and 16 Academy members are Fellows of the AAAS.

The committee recommended the nomination of Dr. Leo Paulissen and Dr. Lester Howick for fellowship in the AAAS. It was moved and seconded that the committee report be accepted. The motion passed.

RESOLUTIONS COMMITTEE:

Professor Lawson moved the adoption of the following resolutions:

1. Be it resolved that the secretary express written appreciation to Dr. Mullins and the administrative staff for the arrangements and use of facilities here at the University for holding our annual meeting.
2. Be it resolved that a letter of appreciation be sent to Dr. George Templeton expressing the appreciation of the Academy of Science and other activities related to the Academy, and for the high quality of that service.

3. Be it resolved that this assembly express to Dr. Fry its appreciation for his excellent direction of the Academy during the past year by giving him a rousing hand.

The three resolutions passed unanimously.

OTHER BUSINESS:

President Fry discussed Senior Academy support of the Junior Academy. For the past year \$200 was made available to the Junior Academy and the President relayed Mr. Hudson's request for continuation of this support. Dr. Bailey moved that a grant of \$200 be awarded to the Junior Academy. The motion was seconded and the motion passed.

Dr. Fry briefly discussed the Visiting Scientist Program. The response to the questionnaire was favorable but the problems are financial. The program was supported by NSF for several years and for a brief period by the Valley Education and Research Foundation. The program started again in 1968 but was terminated because of lack of financial support. It was moved and seconded that the executive committee continue to explore means by which the Visiting Scientist Program might be continued in some form. The motion carried.

President Fry summarized the discussion of the previous day concerning the Collegiate Academy. He pointed out that it is not clear what responsibility the Senior Academy has with regard to the Collegiate Academy. Following the discussion Dr. Howick moved that the Academy go on record in support of the aims and objectives of the Collegiate Academy and empower the executive committee to study various ways to revitalize the Collegiate Academy. He further moved that the Academy provide a thirty dollar grant to the Collegiate Academy to assist in the publication of the Collegiate Proceedings including the minutes, financial statement and abstracts of papers presented at the annual meeting. The motion was seconded. In the discussion of the motion it was pointed out that the motion does not specify where the Collegiate Proceedings are to be published. The motion carried.

Dr. Bailey then moved to publish the minutes, financial statement, and abstracts in the Academy Proceedings this year and that this policy be continued until such time as the Senior Academy votes to discontinue it. The motion was seconded and the motion passed.

President Fry then introduced incoming President M. L. Lawson who adjourned the meeting at 2:27 p.m.