

1981

65th Annual Meeting, 1981. Secretary's Report and Financial Statement

Academy Editors

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ARKANSAS ACADEMY OF SCIENCE

Volume XXXV

1981

Proceedings

Henry W. Robison
President

John K. Beadles
President-Elect

David M. Chittenden
Secretary

William L. Evans
Treasurer

Robert T. Kirkwood
Historian

Secretary's Report

MINUTES OF THE SIXTY-FIFTH ANNUAL MEETING—17-18 April 1981

FIRST BUSINESS MEETING

Dr. Henry W. Robison, President, opened the meeting by introducing Dr. Robert Watson, Chairman of the Biology Department at the University of Arkansas at Little Rock, who welcomed the members.

President Robison recognized Dr. David Chittenden who presented the minutes of the 64th annual meeting as printed in the Proceedings. Dr. William Evans was then recognized for the Treasurer's Report. Evans stated that financial statements were available. He then discussed the financial statement and gave a report on income and disbursements. The financial statement and summary of income and disbursements are shown below.

Financial Statement

March 31, 1981

Cash Balance, Checking Acct., McIlroy Bank, March 15, 1980	\$2,577.29
Heritage S & L Certificates (24 yr., 10.65%)	1,000.00
Heritage S & L Passbook Acct. (5.25%)	1,040.85
Total Funds, March 15, 1980	\$4,618.14

INCOME March 16, 1980 through March 31, 1981

1. Individual Memberships		
a. Sustaining Dues	\$ 576.00	
b. Regular Dues	1,448.00	
c. Associate Dues (Through 12/31/80)	92.00	
Total from Individual Membership Dues		\$2,116.00
2. Institutional Dues		700.00
3. Subscriptions to the PROCEEDINGS		948.00
4. Page Charges		952.00
5. BIOTA Receipts		2.70
6. Interest		
a. Checking Account Interest	46.56	
b. Certificate of Deposit Interest	128.40	
c. Passbook Account Interest	71.49	
Total Interest		246.45
Total Income		\$4,965.15

EXPENSES March 16, 1980 through March 31, 1981

1. Operating Expenses		
a. McIlroy-McMair, Receipt Book (523)	10.79	
b. Uofa, Fay, Office Supplies (524)	4.30	
c. Postmaster, Postage (525)	9.10	
d. Postmaster, Box Rent (528)	5.00	
e. Postmaster, Stamps (531)	6.80	
f. McIlroy-McMair, Letterheads (532)	34.30	
g. McIlroy Bank, Checks (CA Debit)	11.80	
h. Uofa, Fay, Office Supplies (533)	3.94	
i. Postmaster, Box Rent (534)	7.50	
j. Postmaster, Box Rent (540)	7.50	
k. Postmaster, Stamps (541)	7.50	
Total Operating Expenses		\$ 108.53
2. Awards		
a. D. Wickliff, Science Talent (520)	\$ 35.00	
b. S. Hewlin, Science Talent (521)	30.00	
c. Ark. Science Fair Assn. Support (530)	100.00	
d. Ark. Jr. Acad. Sci. Support (532a)	200.00	
e. R. Robinson, Science Proj. (544)	40.00	
f. J. Amersine, Science Proj. (546)	20.00	
g. S. Taylor, Science Proj. (547)	20.00	
h. M. Clyde, Science Proj. (548)	20.00	
Total Awards		\$ 465.00

3. PROCEEDINGS, Publishing and Distribution		
a. G. Heidt, Travel (522)	121.68	
b. Phillips Litho, Printing (526)	3,389.94	
c. G. Heidt, Travel (535)	72.00	
d. Editorial Asst. RH, Salary (536)	140.98	
e. IRS, WH Tax (538)	61.32	
f. IRS, WH Tax (539)	6.60	
g. Dept. Fin. & Admin., WH Tax (542)	5.00	
h. Editorial Asst. RH, Salary (545)	184.15	
Total for the PROCEEDINGS		3,989.67
4. NEWSLETTER, Printing and Distribution		
a. V. R. McDaniel, Reimbursement (543)	100.00	
Total for NEWSLETTER		100.00
5. Other		
a. McIlroy Bank, Check Returned (CA Debit)	8.00	
b. Natl. Assn. Acad. Sci. Dues (527)	25.00	
c. Uofa, Fay, BIOTA (529)	36.00	
d. E. Hanebrink, Reimb. Page Chg. (537)	102.00	
Total for Other Expenses		171.00
		\$4,834.20

Summary

Beginning Balance, Checking & Reserve	\$ 4,618.14
Total Income	+4,965.15
Total Expenses	-4,834.20
Funds on Hand, March 31, 1981	\$ 4,749.09

Distribution of Funds

Balance, Checking Account, McIlroy Bank, March 31, 1981	\$2,466.35
Heritage Savings & Loan Certificates	1,128.40
Heritage Savings & Loan Passbook Account	1,112.34
Undeposited Checks on Hand, March 31, 1981	42.00
Total Funds on Hand, March 31, 1981	\$4,749.09

Outstanding Debts, March 31, 1981

1. Phillips Litho., Printing the PROCEEDINGS, v. 34	\$4,954.27
2. Editor, Travel	80.00
Total, Outstanding Debts	\$5,034.27

Respectfully submitted,

William L. Evans
Treasurer

April 17, 1981
Little Rock, AR.

Dr. Leo Paulissen, reporting on the Westinghouse Talent Search, announced that there had been no winner this year, but that one entry had been awarded an honorable mention. Paulissen also announced that the Biota Survey is continuing. Check sheets from past years were available at the meeting; orders for new check lists will be available at the Second Business Meeting.

President Robison announced that section chairpersons will act as or appoint judges for Collegiate Academy papers.

The following people were appointed to committees by President Robison.

Auditing: Ken Beadles, Dan England, Earl Hanebrink

Resolutions: George Harp, Ed Bacon
Meeting: Peggy Dorris

Dr. Robert Kirkwood was recognized and moved the acceptance of the following resolution:

Whereas the primary function of a scientist is the development and testing of theories,

And the information on which these theories are based depends upon careful observation and experimentation,

And the observations and experiments of all scientists are susceptible to repetition by other competent scientists who work in the same field,

And the reports of observations and experimentation by scientists are subject to peer review and approval,

And such reports are published in journals approved and accepted by a majority of scientists in the field of science reported in each journal,

And whereas the ideas and beliefs of adherents of so-called "scientific creationism" are not the result of work that can be duplicated, and reports of these ideas and beliefs have not been subject to review and approval by scientists in the fields pertinent to the development of theories of plant and animal origins, and none of these reports has appeared in a journal accepted as authoritative by a majority of scientists in the pertinent fields:

Now, therefore, be it resolved by the members of the Arkansas Academy of Science that we respectfully request that the members of the General Assembly of the State of Arkansas and the governor of the state rescind their action in requiring that equal time be given to the teaching of so called "scientific creationism" and the theory of evolution by natural selection in science classes in the public schools of Arkansas.

The motion was seconded. Discussion of and voting on the resolution will take place at the Second Business Meeting.

President Robison recognized Neal Buffaloe, Chairman of the Nominating Committee, who gave the following report on candidates for offices being vacated.

The Nominating Committee consists of John Bridgman and V. Rick McDaniel and we are pleased to present the nominees for election to the following offices for your consideration.

They are: For President-Elect — Robbin Anderson — UAF
For Vice-President — Paul Sharrah — UAF
For Editor-Elect — V. Rick McDaniel — ASU

Voting will take place at the Second Business Meeting.

SECOND BUSINESS MEETING

President Robison recognized David Chittenden, Secretary, who made the following motion.

I move that the minutes of the 64th Annual Meeting, published in the 34th Proceedings of the Arkansas Academy of Science be approved as written.

The motion was seconded and passed.

William Evans, Treasurer, made the following motion.

I move the acceptance and approval of the Treasurer's financial statement and report for the period 16 March 1980 through 31 March 1981, as submitted to the membership and presented at the First Business Meeting.

The motion was seconded.

Ken Beadles, Chairman of the Audit Committee, made the following report.

Dan England, Earl Hanebrink and myself audited the books. We found the financial record in perfect order and completely balanced. Dr. William L. Evans should be commended for his continuing and diligent work to the Arkansas Academy of Science. His cooperation and enthusiasm is an example for all of us to follow.

The motion of Dr. Evans was passed.

President Robison recognized Gary Heidt, Editor, who gave the following report.

There were 59 papers (35 feature articles and 24 notes) submitted for Vol. 34 of the Proceedings of the Arkansas Academy of Science. Of these, 24 feature articles and 21 notes were published. There was a total of 134 printed pages which represents the largest volume in the history of the Academy.

The total cost of the Proceedings was \$4954.27, of which the Academy should receive \$1905 in page charges. The \$15 page charge initiated with Vol. 34 was well accepted by the membership. It should be noted that, if the Academy was supported by the scientists in this state, as it should be, page charges would not be needed.

Once again, I would like to thank the Editorial Assistant, Associate Editors, and many reviewers for a job well done.

Dr. Heidt then made the following motion.

I move that the Academy appropriate \$450 for editorial assistance in the preparation of Vol. 35 of the Proceedings.

The motion was seconded and passed.

Robert Kirkwood, Historian, reported that a list of the Academy's meetings and officers will appear in the 35th Proceedings.

V. Rick McDaniel, Editor of the Newsletter, made the following motion.

I move that the Academy allot \$100 for publication of the annual newsletter during the 1981-1982 academy year. This would be the same amount spent during the last year.

The motion was seconded and passed.

Art Johnson, sponsor of the Collegiate Academy, made the following motion.

I move that the Arkansas Academy appropriate up to \$200 to cover the expenses of the Collegiate Academy in the coming year.

The motion was seconded and passed.

Dr. Johnson also moved.

That the President appoint a committee to study the relationship between the Senior Academy and the Collegiate Academy.

The motion was seconded and passed.

Alex Nisbet, Chairman of the Chemistry Section announced that winners in the judging of papers in the Collegiate Academy were:

Lou Ann Young — UALR
Mike Kowalski — College of Pharmacy, UAMSC

It was also announced that the officers of the Collegiate Academy for 1981-1982 are:

President: Reid D. Hardy — UAM
President-Elect: Brooks Gentry — Hendrix
Treasurer: Dan Monk — UAM
Sponsors: Joe M. Guenter — UAM
Tom E. Goodwin — Hendrix

Tom Palko reported that the J.S.H.S. meeting was outstanding with significant humanities participation. It was pointed out that some J.S.H.S. participants expressed some concern over the failings of the Junior Academy. Gary Tucker made the following motion.

I move that the incoming President of the Senior Academy appoint a committee of three persons to serve as liaison between the Academy and the Junior Academy of Science. This committee hopefully would result in the promotion of a stronger and more effective Junior Academy of Science.

The motion was seconded and passed.

Carl Rutledge, Director of the State Science Fair, reporting on the Science Fair held at UCA, announced that two winners will be sent to the International Fair. They are:

Nathan Knight — Batesville
Landon Lercher — Springdale

Dr. Rutledge pointed out that the input of the Academy was needed in the choice of a new director. He moved

That the President appoint a three member committee to recommend to the Science Fair Association a person for the position of Director of the State Science Fair.

The motion was seconded and passed.

Dr. Rutledge then made the following motion.

I move that \$200 be appropriated to cover the expenses of the Science Fair for the coming year.

The motion was passed but the second and motion were withdrawn after Dr. Evans explained the cash flow situation.

Dr. Rutledge then made the following motion.

That \$100 be appropriated after July 1 with the approval of the Executive Committee.

The motion was seconded and passed.

President Robison announced that invitations had been issued to have the 1982 meeting at Henderson State University in Arkadelphia and to have the 1983 meeting at the University of Central Arkansas in Conway.

Dr. George Harp, Chairman of the Resolutions Committee, moved the adoption of the following resolution.

Be it resolved:

By the members of the Academy in session on 18 April at the University of Arkansas at Little Rock that the Academy wishes to express its sincere thanks and appreciation to Dr. Robert Watson, Chairman of the Department of Biological Sciences at the University of Arkansas at Little Rock, and to the faculty and staff of the University of Arkansas at Little Rock for the use of their facilities and their warm hospitality.

Furthermore, the Academy extends its congratulations to the local Arrangements Committee, Drs. Dale V. Ferguson and Gary A. Heidt, Co-Chairmen, and to the Chairmen of the Academy sections: Alex Nisbet, Robert Watson, Walter L. Manger, Grady Smith, Neal Buffaloe, Don Culwell, Maurice Kleve, John K. Beadles, Almen Barrons, and Paul Morgan.

The Academy also wishes to express its thanks to Henry W. Robison, President of the Academy, David Chittenden, Secretary, William L. Evans, Treasurer, Gary Heidt, Editor, Robert Kirkwood, Historian, and V. Rick McDaniel, Editor of the Newsletter, for the excellent manner in which they discharged their duties during the past year.

The Academy also expresses its congratulations to the outstanding work of the organizations sponsored by the Academy and its appreciation to the sponsors and directors of these groups: Marie Arthur, Director, Junior Academy of Science; Tom Palko, Director, Junior Science and Humanities Symposium; Art Johnson, sponsor, Collegiate Academy of Science; Carl Rutledge, Director, State Science Fair; Leo Paulissen, Science Talent Search; and Wayne Everett, Coordinator and Liaison Officer for all sponsored activities.

The Academy also expresses its thanks to the following exhibitors: Actinore, Inc.; American Scientific Products; Micro-Tech Instruments, Inc.; Olympus Corporation of America; Rose Publishing Co.; and Southern Biological Supply Co.

The motion was seconded and passed.

The acceptance of the following resolution was moved by Dr. Harp.

Be it resolved:

That the Academy take note of the passing last January of Dr. G. T. Johnson, a member of the Academy for many years. He was a native of Arkansas and a graduate of the University of Arkansas at Fayetteville. He was on the faculty of the Department of Botany and Bacteriology at the University of Arkansas at Fayetteville for almost 30 years. He became internationally known as a mycologist with a special interest in lichens and zinc metabolism in fungi. The Academy extends its condolences to his family, the Department of Botany and Bacteriology, and to the University over this loss.

The motion was seconded and passed.

Neal Buffaloe, Chairman of the Nominating Committee, again presented the slate of nominees for offices. It was moved

That the slate be closed and the officers for 1981-1982 be accepted by acclamation.

The motion was seconded and passed.

President Robison presented the wish of a group of geographers to become associated with the Academy. It was moved

That an invitation be extended to geographers to individually join the Academy. A Geography Section will be established when support and strength is shown.

The motion was seconded and passed.

Discussion was opened on the resolution presented by Robert Kirkwood in the First Business Meeting after the motion was seconded. The motion was passed unanimously. The Secretary was directed to distribute this resolution as an open letter to the Governor, the Legislature and the newspapers.

The following report was submitted concerning the activities of the Junior Academy of Science.

The Arkansas Junior Academy of Science meeting was hosted 10 April 1981, by the University of Central Arkansas in Conway, Arkansas, in conjunction with the Arkansas State Science Fair.

Sixty-five research papers were presented by high school students from seventeen schools throughout the state.

Joey Glaub, Nettleton High School, Jonesboro, was chosen by the judges to represent Arkansas at the American Junior Academy of Science which meets in January, 1982 with the American Association of the Advancement of Science convention. Joey's paper is entitled, *The Effects of Hydrocarbon Acid Rain on Seedling Growth of Soybeans, Rice and Turnips*. Rosalyn Edmond, El Dorado High School, was chosen as alternate. Her paper is entitled *Distortions In Proportions*.

Several new schools participated this year and several others have expressed an interest for next year.

The following were elected officers for 1981-82:

President — Lisa Pruitt, Jasper High School
V. President — Valarie Knappe, Wynne High School
Secretary, Treasurer — Raney Fiser, Sheridan High School
Parliamentarian — Billy Deramus

All Arkansas teachers are encouraged to develop and maintain an interest and skills in research among their students.

Anyone wishing more information about the Junior Academy can

contact any of the following people: Dr. Wayne Everett, Ouachita Baptist University, Arkadelphia; Mr. Tom Jenkins, Fayetteville High School; Dr. B. C. Dodson, Southern Ark. University, Magnolia; Dr. W. Byrd, Ark. State University, Jonesboro; Mrs. Marie K. Arthur, Magnet Cove High School, Route 5, Box 924, Malvern; Ms. Roberta Bustin, Arkansas College, Batesville; Mrs. JoAnne Rife, Pulaski Co. Schools, Little Rock; Mr. Dennis Glasglow, Little Rock School District.

Dr. Robison turned the gavel over to Dr. Beadles. President Beadles appointed the following committees.

Nominating Committee: Ed Bacon, Gary Tucker, Alan Posey, Alex Nisbet, Chairman.

Collegiate Academy Committee: Nelson Voldeng, Tom Goodwin, Harvey Barton, John Bridgmen, Chairman

Junior Academy Committee: William Byrd, Art Johnson, Tom Palko, Chairman

Science Fair Director Committee: Robert Wright, Bruce Haggard, Joe Guenter

President Beadles adjourned the Second Business Meeting.

Respectfully submitted,

David M. Chittenden
Secretary