

# Journal of the Arkansas Academy of Science

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## 86th Annual Meeting, 2002. Secretary's Report and Financial Statement

Academy Editors

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# JOURNAL ARKANSAS ACADEMY OF SCIENCE

ANNUAL MEETING 5-6 APRIL 2002  
UNIVERSITY OF ARKANSAS AT LITTLE ROCK

**John Rickett**  
President

**Walt Godwin**  
President-Elect

**Jeff Robertson**  
Secretary

**Joyce Hardin**  
Treasurer

**Ed Griffin**  
NAAS Delegate

**Henry Robison**  
Historian

## *Secretary's Report*

### MINUTES OF THE 85TH MEETING

*FIRST BUSINESS MEETING*  
*UALR ETAS BUILDING ROOM 233*  
*APRIL 5, 2002*

1. Call to Order: Dr. Walt Godwin, President-Elect of the AAS, called the meeting to order at 11:10 am. Dr. Godwin, presided at meeting in place of Dr. John Rickett, President of the AAS, who missed the meeting due to health reasons. Dr. Goodwin provided an update on Dr. Rickett's health status.
2. Historian's Report: Henry Robinson reported that this is the 86<sup>th</sup> meeting of the Academy and the sixth time that the meeting has been held at the UALR campus. Previous meetings at UALR (or the same campus with previous names) were held in 1946, 1966, 1976, 1981, and 1987.
3. Local Arrangement Chair: On behalf of UALR, Steve Lindsey welcomed the members to the UALR campus. Steve recognized the hard work of the UALR faculty, staff, and students in preparing for the meeting.
4. Approval of Minutes: Minutes of last year's business sessions at the Univ. of Central Arkansas were distributed and will be approved by vote at the second business meeting.
5. Treasurer's Report: Joyce Hardin handed out copies of the 2001 AAS financial statement to the membership. The report indicated that the Academy had a net \$950.31 budget loss for 2001, although this loss will likely be reduced to around \$400 when all the *Journal* page charges are collected. The loss was attributed to a slight reduction in membership dues collected and a lack of profit from the 2001 annual meeting. Joyce provided details concerning the income and expenses for the year as well as information regarding journal costs. Bob Wiley was appointed Chairman of the Auditing Committee.

### 2001 FINANCIAL STATEMENT

Ending Balance - December 31, 2001	\$28,665.45
Beginning Balance - January 1, 2002	\$29,615.76
Net Loss	\$ 950.31

#### DISTRIBUTION OF FUNDS

Checking Account (Firststar Bank, Conway, AR)	\$ 2,298.71
Certificates of Deposit	
Dwight Moore Endowment (Firststar Bank, Conway, AR)	\$ 4,587.50
Life Membership Endowment (Firststar Bank, Conway, AR)	\$11,500.00
CD Unrestricted (Firststar Bank, Conway, AR)	\$ 5,000.00
Phoebe and George Harp Endowment (Firststar Bank, Conway, AR)	\$ 5,279.24
<b>TOTAL</b>	<b>\$28,665.45</b>

#### INCOME:

1. ANNUAL MEETING	\$ 600.00
2. ENDOWMENT DONATIONS	
a. AAS Unrestricted	\$ 36.00
3. INTEREST (Endowment)	\$ 1,102.11
4. INDIVIDUAL MEMBERSHIPS	
a. Associate	\$ 180.00
b. Regular	\$ 1,770.00
c. Sustaining	\$ 35.00
d. Sponsoring	\$ 00.00
e. Life	\$ 475.00
	\$ 2,460.00
5. INSTITUTIONAL MEMBERSHIPS	\$ 1,400.00
6. MISCELLANEOUS	\$ 6.40

**Secretary's Report**

7. JOURNAL			4. MISCELLANEOUS		
a. Miscellaneous Sales	\$ 3,577.76		a. Ed Griffin Travel to AAS Conference (708)	\$ 250.00	
b. Page Charges	\$ 6,480.00		b. Doug James - Biota Project (709)	\$ 300.00	
c. Subscriptions	\$ 700.00		c. Checking Account service charge	\$ 14.40	
	\$ 10,757.76	\$ 10,757.76		\$ 564.40	\$ 564.40
<b>TOTAL INCOME</b>			<b>\$ 16,362.27</b>		
<b>EXPENSES:</b>					
1. ANNUAL MEETING			5. NEWSLETTER		
a. Conway Trophy (693)		\$ 48.21			-0-
2. AWARDS			6. OFFICE EXPENSES		
a. Arkansas Junior Academy (710)	\$ 250.00				-0-
b. Arkansas Science Fair (706)	\$ 450.00		7. JOURNAL		
c. Conway Trophy (707)	\$ 59.99		a. Stan Trauth - Editorial Consultation and Travel Volume 54 (692)	\$ 200.00	
d. Student Awards	\$ 900.00		b. Pinpoint Color Volume 54 (711)	\$ 14,149.07	
	\$ 1,659.99	\$ 1,659.99	c. Joy Trauth - Editorial Consultant Volume 55 (714)	\$ 600.00	
			d. Pinpoint Color Reprint forms (716)	\$ 25.71	
				\$ 14,974.78	\$ 14,974.78
3. DUES			<b>TOTAL EXPENSES</b>		
National Association of Acadamies of Science (713)		\$ 65.20	<b>\$ 17,312.58</b>		

VOLUME	COPIES	PAGES	COST OF JOURNAL			
			PRINTER. CHARGE	TOT. VOL. COST	COST/COPY	COST/PAGE
35 (1981)	450	96	\$3,694.68	\$4,620.99	\$10.27	\$48.14
36 (1982)	450	110	\$5,233.28	\$5,291.69	\$11.76	\$48.11
37 (1983)	450	103	\$5,326.91	\$5,944.44	\$13.21	\$57.71
38 (1984)	450	97	\$5,562.97	\$6,167.72	\$13.71	\$63.58
39 (1985)	450	150	\$7,856.20	\$8,463.51	\$18.81	\$56.42
40 (1986)	450	98	\$6,175.20	\$6,675.20	\$14.23	\$68.11
41 (1987)	450	116	\$7,122.79	\$7,811.25	\$17.36	\$67.34
42 (1988)	450*	116	\$7,210.79	\$7,710.15	\$17.13	\$66.47
43 (1989)	450*	119	\$8,057.24	\$8,557.24	\$19.02	\$71.91
44 (1990)	450*	136	\$9,298.64	\$9,798.64	\$21.77	\$72.05
45 (1991)	450*	136	\$9,397.07	\$9,929.32	\$22.06	\$73.01
46 (1992)	450*	116	\$9,478.56	\$10,000.56	\$22.22	\$86.21
47 (1993)	400	160	\$12,161.26	\$12,861.26	\$32.15	\$80.38
48 (1994)	450	270	\$17,562.46	\$18,262.46	\$40.58	\$67.63
49 (1995)	390	199	\$14,725.40	\$15,425.40	\$39.55	\$77.51
50 (1996)	345	158	\$11,950.00	\$12,640.75	\$36.64	\$80.00
51 (1997)	350	214	\$14,308.01	\$15,008.01	\$42.88	\$70.13
52 (1998)	350	144	\$12,490.59	\$13,190.59	\$37.69	\$91.60
53 (1999)	350	160	\$13,686.39	\$14,386.39	\$41.10	\$89.91
54 (2000)	350	160	\$14,149.07	\$14,849.07	\$42.43	\$92.81

The Total Volume Cost equals the printer's charge plus the editor, editorial assistant, and other miscellaneous charges.

- On Volume 42 the Academy received 560 copies, but the printer did not charge us for the extra 110 copies. For comparison purposes the calculated cost/copy is based on 450 copies.
- On Volume 43 the Academy received 523 copies, but the printer did not charge us for the extra 73 copies. For comparison purposes the calculated cost/copy is based on 450 copies.
- On Volume 44 the Academy received 535 copies, but the printer did not charge us for the extra 85 copies. For comparison purposes the calculated cost/copy is based on 450 copies.
- On Volume 45 the Academy received 594 copies, but the printer did not charge us for the extra 144 copies. For comparison purposes the calculated cost/copy is based on 450 copies.
- On Volume 46 the cost was greater than usual due to the high cost of a second reprinting of 54 copies by a different printer.

## Arkansas Academy of Science

6. *Journal* Editor in Chief's Report: Stan Trauth reported that Vol. #55 was available and asked members to take copies back to their respective campuses. Stan asked the Academy continue an allotment of \$200 to cover costs incurred by the Editor-in-Chief. The motion, which was made and seconded and will be voted on at the second business session.
7. *Journal* Managing Editor's Report: David Saugey recognized the help of the 56 individuals, representing two countries (US and UK), nine states, 22 universities, seven agencies, and two organizations served as reviewers for Vol. 55. David requested \$300 for Managing Editor expenses for Vol. 56. The motion was made and seconded and will be voted on at the second business session.
8. *Newsletter* Editor: Jeff Robertson reported on the status of the newsletter and requested a small amount of money to cover expenses for next year's newsletter. A motion to provide these funds was seconded will be voted on at the second business meeting.
9. Arkansas Science Fair Association: Dr. Godwin read a report from Mike Rapp who was not present since the state science fair was held in Conway on the same dates as the Academy meeting. Seven regional science fairs were held in March.
10. Junior Academy of Science: no report
11. Intel Talent Search: no report
12. Committee Reports:
  - a. Biota Committee: no report
  - b. Constitution Committee: no report
  - c. Development Committee: David Saugey reported that he had compiled a notebook with potential companies and agencies that might be willing to provide support for the Academy. Over the course of the next year the committee will contact some of these sources.
13. Old Business: AAS Young Investigators Award Committee - Wayne Gray presented a proposal for the Academy to establish a Young Investigator award to recognize promising young scientists in Arkansas. Guidelines for the award were discussed. The proposal will be presented to the membership and discussed further at the second business meeting.
14. New Business: Problems concerning membership w discussed.
15. Closing: Dr. Godwin adjourned the meeting w: adjourned at 12:00 p.m.

*SECOND BUSINESS MEETING  
UALR FRIBOURGH HALL ROOM 101  
APRIL 6, 2002*

1. Dr. Walt Godwin, President-Elect of the AAS, called the meeting to order at 12:15 pm. Dr. Godwin, presided at meeting in place of Dr. John Rickett, President of the AAS, who missed the meeting due to health reasons. Dr. Gary Heidt of UALR provided an update on Dr. Rickett's health status.
2. Approval of Minutes: MA motion to approve the minutes of last year's business sessions at the Univ. of Central Arkansas was seconded and approved.
3. Historian's Report: Henry Robinson reported that this is the 86<sup>th</sup> meeting of the Academy and the sixth time that the meeting has been held at the UALR campus. Previous meetings at UALR (or the same campus with previous names) were held in 1946, 1966, 1976, 1981, and 1987.
4. Treasurer's Report: Joyce Hardin provided copies of the 2001 AAS financial statement to the membership. The report indicated that the Academy had a net \$950.31 budget loss for 2001, although this loss will likely be reduced to around \$400 when all the *Journal* page charges are collected. The loss was attributed to a slight reduction in membership dues collected and a lack of profit from the 2001 annual meeting. Joyce provided details concerning the income and expenses for the year as well as information regarding *Journal* costs.
5. Auditor's Report: Bob Wiley introduced the members of his committee and confirmed the 2001 financial statement. A motion to accept the 2001 AAS financial statement, was seconded, and approved by unanimous consent of the membership.
6. *Journal* Editor-in-Chief's Report: Stan Trauth reported that Vol. #55 asked members to take copies back to their respective campuses. Stan asked the Academy continue an allotment of \$200 to cover costs incurred by the Editor-in-Chief. The motion, which was made and seconded at the first business session, was approved. Stan mentioned that he is considering some minor editorial changes to update the style of the *Journal*. He reminded the membership to begin thinking about the next Editor-in-Chief, to replace himself in two years.

## Secretary's Report

- Journal* Managing Editor's Report: David Saugey reported that the review process for Vol. 55 went smoother and more timely than usual. He recognized the help of the 56 individuals, representing two countries (US and UK), nine states, 22 universities, seven agencies, and two organizations served as reviewers for Vol. 55. David mentioned the continuing problem that some authors do not submit manuscripts in the correct format. In the future manuscripts submitted in the proper format may be returned without review. David requested \$300 for Managing Editor expenses for Vol. 56. The motion, which was made and seconded at the first business session, was approved.
8. *Newsletter* Editor: Jeff Robertson was not present, but Dr. Godwin reported that Jeff had reported at the first business meeting and had requested a small amount of money to cover expenses for next year's newsletter. A motion to provide these funds was seconded and approved.
  9. Arkansas Science Fair Association: Dr. Godwin read a report from Mike Rapp who was not present since the state science fair was held in Conway on the same dates as the Academy meeting. Seven regional science fairs were held in March. A request for \$400.20 was made to help cover some of the expenses for sending students and teachers to the International Science and Engineering Fair. A motion for the Academy to provide these funds was seconded and approved.
  10. Junior Academy of Science: no report
  11. Intel Talent Search: no report
  12. Committee Reports:
    - a. Biota Committee: no report
    - b. Constitution Committee: no report
    - c. Development Committee: David Saugey reported that he had compiled a notebook with potential companies and agencies that might be willing to provide support for the Academy. Over the course of the next year the committee will contact some of these sources. David requested that the Academy provide \$250 for purchasing stationary and for mailing costs. A motion was seconded and approved.
    - d. Nominations Committee: On behalf of the nominations committee, Dr. Scott Kirkconnell nominated Jeff Robertson for the office of Secretary. A motion to close nominations was seconded and Dr. Robertson was elected by acclamation. Dr. Kirkconnell nominated three individual for the office of Vice-President; Wil Braithwaite, Phoebe Harp, and Betty Crump. There were no additional nominations from the floor. A motion to cease nominations was seconded and approved. Ballots were distributed and the ballots were counted.
  - e. Science Education Committee: Dr. Hemmati reported that this committee had met on the previous day and several potential ideas for promoting science education were discussed. The committee will be developing these ideas over the coming year.
  13. Old Business: AAS Young Investigators Award Committee - Wayne Gray presented a proposal for the Academy to establish a Young Investigator award to recognize promising young scientists in Arkansas. Guidelines for the award were discussed. After some discussion it was decided that the committee should consider further the details of the proposal.
  14. Local Arrangement Chair: Steve Lindsey provided a recap of the meeting. The total registered attendance for the meeting was 209, including 95 students. Attendance at the banquet was 109. A total of 125 abstracts were presented including 21 poster presentations. Over 80% of the oral presentations utilized PowerPoint computer generated slides. Steve recognized the hard work of the UALR faculty, staff, and students in preparing for and conducting the meeting.
  15. Future meetings: Dr. Godwin announced that the 2003 AAS meeting will be held at the University of Arkansas at Fayetteville and the 2004 meeting will be held at Arkansas State University in Jonesboro. A bid from Hendrix College to host the 2005 meeting in Conway was accepted.
  16. New Business: Dr. Godwin read a plaque to be presented to Dr. John Rickett, the AAS President for the past year. Unfortunately, Dr. Rickett was not able to attend the meeting due to health problems. Several members spoke of John's devotion to the AAS over the years. A motion to provide funds for an *in memoriam* announcement for John was seconded and approved (Secretary's note- Sadly, Dr. John Rickett passed away on April 6, 2002).
- Dr. Kirkconnell announced the results of the election. Dr. Betty Crump will serve as the new AAS Vice-President.
17. Awards: Recipients of the student awards for best presentations were announced. Joyce Hardin will mail the certificates and checks to the winners.
  18. Closing: Dr. Godwin assumed the office of AAS President for the next year. Dr. Godwin adjourned the meeting at 1:30 p.m.

## Arkansas Academy of Science

## APPENDIX A

2002 AAS Award Winners

## GRADUATE STUDENT AWARDS

Environmental:

1<sup>st</sup> place: Gregory Eads  
Occurrence of Tick-borne Disease at Arkansas Post National Memorial University of Arkansas at Monticello

Honorable Mention: Christopher Watt  
Short-term Understory Vegetation Responses to Deer Exlosures at Arkansas Post National Memorial University of Arkansas at Monticello

Life Science:

1<sup>st</sup> place: Roger Redondo  
Role of a Single Neuron in Turning While Crawling in the Marine Slug *Tritonia Diomedea*  
University of Central Arkansas

Honorable Mention: Malcolm McCallum  
A Forty-three Year Museum Study of Northern Cricket Frog (*Acris crepitans*) Abnormalities in Arkansas: Upward Trends and Distributions Arkansas State University

Physical Science:

1<sup>st</sup> Constance Meadors  
Pressure and Flow Validation of a Second Generation Gas Extraction Probe for a Hybrid Rocket Gas Extraction System University of Arkansas at Little Rock

2<sup>nd</sup>: Steve R. Farmer  
Simulation of Video Electric Single Particle Aerodynamic Relaxation Time Analyzers University of Arkansas at Little Rock

2<sup>nd</sup>: Steve Trigwell  
Tribocharging of JSC Mars-1 Simulant Dust University of Arkansas at Little Rock

## UNDERGRDUATE STUDENT AWARDS

Physical Science:

1<sup>st</sup>: Reason Cook  
Potential Waves Arkansas Tech University

2<sup>nd</sup>: Mee-Lee Pritchett  
An Electrostatic Deposition Engine for Making Pharmaceutical Tablets Using Pure Drug Powder University of Arkansas at Little Rock

3<sup>rd</sup>: Chris Hale  
Cleavage Development Within a Folded Sequence of Jackfork Sandstone, Eastern Quachita Mountains, Arkansas University of Arkansas at Little Rock

Life Science:

1<sup>st</sup>: Nelly P. Norrell  
The Role of Intracellular Acidification in Apoptotic Progression University of Central Arkansas

2<sup>nd</sup>: David R. Lyon  
Patterns of Arthropods Inhabiting Epiphytes in a Temperate Deciduous Forest Hendrix College

3<sup>rd</sup>: Joshua E. Kessler  
Coccidian Parasites (Apicomplexa: Eimeriidae) of Select Rodents from Western and Southwestern Arkansas and Northeastern Texas Texas A&M - Texarkana

Environmental:

1<sup>st</sup>: Allison Boyer  
The Ability of Soil Fungi to Degrade Glyphosate (Roundup) Hendrix College

2<sup>nd</sup>: Jessie K Fly  
The Effects of Tree Species and Tree Age on Epiphyte Community Structure in a Temperate Deciduous Forest Hendrix College

3<sup>rd</sup>: Robert E. Swearingen  
Interaction of Nutrients and Predators in an Arkansas Grassland Hendrix College

## APPENDIX B

## RESOLUTIONS

BE IT RESOLVED that we, the membership of the Arkansas Academy of Science, offer our sincere thanks to the University of Arkansas at Little Rock for hosting the 86<sup>th</sup> meeting of the Arkansas Academy of Science. In particular, we thank the local arrangements committee: Steve Leslie (Chair), Steve Grace, David Lindquist, Tom McMillan, Wil Braithwaite, Roger Hawk, and all of the student workers and staff who collectively contributed to a successful meeting. Appreciation is expressed for the use of the excellent facilities and the hospitality shown to us by all University of Arkansas at Little Rock personnel. The banquet was excellent, and we especially thank Dr. Alan Pounds for a stimulating presentation on "Global Warming and the Future of Biodiversity: Lessons From a Tropical Cloud Forest."

The Academy recognizes the important role played by session chairs and expresses sincere appreciation to Wayne

### Secretary's Report

Gray, Wendi Williams, Brian Wagner, David Lindquist, Fred Hickling, Abhijit Bhattacharyya, George Harp, Richard Spears, David Saugey, Don Bragg, and Roger Hawk. A special thanks is owed those individuals who devoted considerable time and energy to judge student papers: Al Adams, Wil Braithwaite, Betty Crump, Wayne Gray, Joe Guenter, Phoebe Harp, Bob Watson, and Bob Wiley.

The Academy appreciates the University of Arkansas at Little Rock for sponsoring the social, the Arkansas Environmental Federation for donating to undergraduate student awards and Sigma Xi for graduate student awards.

We express gratitude to the various directors of the science and youth activities which are supported or supervised by the Academy: Mostafa Hemmati, Chair of the Science Education Committee; Mike Rapp, Director of the Arkansas State Science Fair Association; Tom Palko, Director of the Junior Science & Humanities Symposium; Jim Murray, Director of the Intel Science Talent Search; and Rick Geraci and Mark Eakin, Co-Directors of the Junior Academy of Science. We wish to thank all those who served as directors at the regional science fairs and Junior Academy meetings: Kathryn Shinn, Beverly Meinzer, Marty Huss, Lynne Hehr, Darin Buscher, Dennis Miller, Jim Edson, Shane Willbanks, and Mike Rapp.

The continued success of the Academy is due to its strong leadership. We offer sincere thanks to our officers for another excellent year: John Rickett (President), Walt

Godwin (President-Elect), Wayne Gray (Vice-President), Mark Draganjac (Past-President), Mike Soulsby (Secretary), Joyce Hardin (Treasurer), Stan Trauth (*Journal* Editor-in-Chief), David Saugey (*Journal* Managing Editor), Jeff Robertson (*Newsletter* Editor), and Henry Robison (Historian). In addition, the Academy expresses appreciation to all who contributed time and effort on various committees of the Academy.

We congratulate all who presented papers and posters at this meeting. Student participants are especially recognized since their efforts contribute directly to the future success of the Academy and the improvement and advancement of science in Arkansas.

Finally, the membership wishes to especially recognize President John Rickett. Over the years, John has had many significant roles in the Academy - Newsletter Editor, Secretary, Vice President, President, and numerous committees. In addition to formal roles, John has been the ultimate source of information regarding everyone and everything about the Academy. For his many years of dedicated service, both to the Academy and to the profession, the membership expresses its heartfelt concern and regret that John could not be here to participate in our 86<sup>th</sup> meeting.

Respectfully submitted this 6th day of April, 2002,

Mike Plummer, Chair

Perk Floyd, Member

## Arkansas Academy of Science

## MEMBERS 2002

FIRST MI	LAST NAME	INSTITUTION
Abhijit	Abhattachary	
Al	Adams	University of Arkansas at Little Rock
Miah	Adel	University of Arkansas at Pine Bluff
David	Allard	
Robbin C.	Anderson	University of Arkansas at Fayetteville
Gwen	Barber	Arkansas Tech University
Bhuiyan	Anwar	Arkansas Tech University
Stephen K.	Boss	University of Arkansas at Fayetteville
Michael E.	Cartwright	Arkansas Game & Fish Commission
Michelle	Caviness	University of Arkansas at Fayetteville
Betty	Crump	U.S.D.A., Forest Service
Perry A.	Daniels	Arkansas State University
Jerry A.	Darsey	University of Arkansas at Little Rock
Chris	Davidson	Arkansas Dept. of Environmental Quality
Jane	Dunn	
Rudolph J.	Eichenberger	Southern Arkansas University
Autumn	Fernald	University of Arkansas at Little Rock
Kim	Fifer	University of Arkansas for Medical Sciences
E. P. (Perk)	Floyd	U.S. Public Health Service
Thomas L.	Foti	Natural Heritage Commission
Charlie	Gagen	Arkansas Tech University
Stephen	Grace	University of Arkansas at Little Rock
John P.	Graham	Arkansas Tech University
Wayne L.	Gray	University of Arkansas for Medical Sciences
Franklin D.	Hardcastle	Arkansas Tech University
Laurence	Hardy	LSU - Shreveport
John L.	Harris	Arkansas Highway & Transportation Dept.
Michael J.	Harvey	Tennessee Tech University
Roger M.	Hawk	University of Arkansas at Little Rock
Larry R.	Hilburn	Black River Technical College
David	Jamieson	Arkansas State University-Beebe/Newport
George	Johnson	Arkansas Tech University
James E.	Johnson	University of Arkansas at Fayetteville
Michael I.	Johnson	Nettleton High School
Thurman O.	Jordan	Arkansas Audubon Society
Terry	Keisling	University of Arkansas at Fayetteville
Scott W.	Kirkconnell	Arkansas Tech University
Alfred	Kracher	
Katherine	Larson	University of Central Arkansas
Bao-An	Li	Arkansas State University
David	Lindquist	University of Arkansas at Little Rock
Thomas J.	Lynch	University of Arkansas at Little Rock
Daniel L.	Marsh	Henderson State University
H. Michael	Mathews	Henderson State University
Chris	McAlister	Texas A&M - Texarkansas
McCallum	Malcom	Arkansas State University
Popp	Michael	University of Arkansas at Fayetteville
Warren	Montague	U.S. Forest Service
Matthew	Moran	Hendrix College
Russell	Nordeen	University of Arkansas at Monticello
Don R.	Owens	University of Arkansas at Little Rock
Michael J.	Panigot	Arkansas State University
Mark A.	Paulissen	McNeese State University
Michael V.	Plummer	Harding University
William R., II	Posey	Department Pollution Control & Ecology
Janet	Rader	Southern Arkansas University
James A.	Rasmussen	Southern Arkansas University
Darryl K.	Reach	University of Arkansas at Little Rock
Dennis J.	Richardson	Quinnipiac College
Jeff W.	Robertson	Arkansas Tech University
Steven W.	Runge	University of Central Arkansas
Blake	Sasse	Arkansas Game and Fish Commission
Stephen A.	Sewell	University of Mississippi
Ali U.	Shaikh	University of Arkansas at Little Rock
William M.	Shepherd	Arkansas Natural Heritage Commission
Robert	Sikes	University of Arkansas at Little Rock
John B.	Simpson	
Robert A.	Sims	University of Arkansas at Little Rock
Richard D.	Smith	Pulaski Tech College
Roy J.	Smith, Jr.	U.S.D.A./University of Arkansas
Phil	Tappe	University of Arkansas at Monticello
Bruce	Tedford	Arkansas Tech University
D. S.	Tomer	University of Central Arkansas
Staria	Vanderpool	Arkansas State University
Brian	Wagner	Arkansas Game & Fish Commission
Stephen A.	Walker	

FIRST MI	LAST NAME	INSTITUTION
Gerald	Walsh	
Guiming	Wang	Arkansas Tech University
Robert L.	Watson	University of Arkansas at Little Rock
James O.	Wear	V.A. Medical Center
Jerry	Webb	University of Arkansas at Monticello
Rayona	Webster	Cossatot Technical College
Robert	Weih	University of Arkansas at Monticello
Wendi	Williams	University of Arkansas at Little Rock
Theo	Witsel	Arkansas Natural Heritage Commission
Tsunemi	Yamashita	Arkansas Tech University
Bin	Zhang	Arkansas State University
Jing	Zhang	University of Arkansas at Little Rock

## SUSTAINING MEMBERS

David L.	Davies	University of Arkansas for Medical Sciences
Alex R.	Nisbet	Ouachita Baptist University
Clifton	Orr	University of Arkansas/Pine Bluff
Steve	Zimmer	Arkansas Tech University

## SPONSORING MEMBERS

Thomas J.	Lynch	University of Arkansas at Little Rock
Rose	McConnell	University of Arkansas at Monticello

## LIFE MEMBERS

Robbin C.	Anderson	University of Arkansas at Fayetteville
Edmond J.	Bacon	University of Arkansas at Monticello
Vernon	Bates	Ouachita Mtns. Biological Station
Wilfred J.	Braithwaite	University of Arkansas at Little Rock
David	Chittenden	Arkansas State University
Calvin	Cotton	Geographics Silk Screening Co.
Fred	Dalske	University of Central Arkansas
James J.	Daly	University of Arkansas for Medical Sciences
Leo Carson	Davis	Southern Arkansas University
Robert H.	Dilday	University of Arkansas at Fayetteville
Mark	Draganjac	Arkansas State University
Jim	Edson	University of Arkansas at Monticello
Daniel R.	England	Southern Arkansas University
William L.	Evans	University of Arkansas at Fayetteville
Kim	Fifer	University of Arkansas for Medical Sciences
James H.	Fribourgh	University of Arkansas at Little Rock
Arthur	Fry	University of Arkansas at Fayetteville
Collis R.	Geren	University of Arkansas at Fayetteville
John	Giese	Ark. Dept. of Pollution Control & Ecol.
Walter E.	Godwin	University of Arkansas at Monticello
Joe M.	Guenter	University of Arkansas at Monticello
Joyce M.	Hardin	Hendrix College
George L.	Harp	Arkansas State University
Phoebe A.	Harp	Arkansas State University
Gary A.	Heidt	University of Arkansas at Little Rock
Ronnie	Helms	University of Arkansas at Fayetteville
Mostafra	Hemmati	Arkansas Tech University
Carol A.	Jacobs	
Douglas	James	University of Arkansas at Fayetteville
Arthur A.	Johnson	Hendrix College
Cindy	Kane	University of Arkansas for Medical Sciences
Donald R.	Mattison	University of Pittsburgh
Roland E.	McDaniel	FTN Associates, Ltd.
Herbert	Monoson	Ark. Science & Technology Authority
Clementine	Moore	
Gaylord M.	Northrop	University of Arkansas at Little Rock
Tom	Palko	Arkansas Tech University
James H.	Peck	University of Arkansas at Little Rock
Michael W.	Rapp	University of Central Arkansas
Henry W.	Robison	Southern Arkansas University
David A.	Saughey	U.S. Forest Service
Betty M.	Spears	Ouachita Mtns. Biological Station
Richard K.	Spears	Ouachita Mtns. Biological Station
George E.	Templeton	University of Arkansas at Fayetteville
Stanley E.	Trauth	Arkansas State University
Gary	Tucker	FTN Associates
Renn	Tumlinson	Henderson State University
James L.	Wickliff	University of Arkansas at Fayetteville
Robert W.	Wiley	University of Arkansas at Monticello



## Secretary's Report

FIRST MI	LAST NAME	INSTITUTION
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## STUDENT MEMBERS

Mohammad	Abbasi
Jessica	Alexander
B. J.	Bailey
Terrell	Bailey
Susan	Baker
Murwan	Barghouti
Alexandru	Biris
Jason	Boggs
Alson	Boyer
Matthew	Butler
Armanda	Caldwell
emy	Carmack
amberly	Charleston
season	Cook
Amanda	Cmkovic
Doug	Cutsinger
Shouka	Darvishi-Jazi
Lee	Elizondo
Shelly	Elizondo
Nancy	Ellis
William	Felton
Tommy	Finley
Bobby	Fokidis
Tobin	Fulmer
Greg	Giuffria
Rhonda	Gregory
Christine	Hale
Jason	Haley
Scott	Hanes
Chris	Harris
Jasa	Holt
Jeremy Lynn	Jackson
Adam	Jacoby
Josh	Kessler
Mary	Kinnear
Sheila	Kukta
Constance	Meadors
Shyamala	Naik
Matthew	Neely
Thomas	Nix
Liz	Null
Marisa	Purtle
Roger	Redondo
Michele	Renschin
Kelly	Richey
Derek	Selvige
Shelly	Smith
Cecil	Sorrells
Steve	Trigwell
Benjamin	Wheeler
Lesley	White