

1997

81st Annual Meeting, 1997. Secretary's Report and Financial Statement

Academy Editors

Follow this and additional works at: <https://scholarworks.uark.edu/jaas>

Recommended Citation

Editors, Academy (1997) "81st Annual Meeting, 1997. Secretary's Report and Financial Statement," *Journal of the Arkansas Academy of Science*: Vol. 51, Article 3.
Available at: <https://scholarworks.uark.edu/jaas/vol51/iss1/3>

This article is available for use under the Creative Commons license: Attribution-NoDerivatives 4.0 International (CC BY-ND 4.0). Users are able to read, download, copy, print, distribute, search, link to the full texts of these articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author.

This Arkansas Academy Annual Meeting report is brought to you for free and open access by ScholarWorks@UARK. It has been accepted for inclusion in Journal of the Arkansas Academy of Science by an authorized editor of ScholarWorks@UARK. For more information, please contact scholar@uark.edu, uarepos@uark.edu.

JOURNAL ARKANSAS ACADEMY OF SCIENCE

ANNUAL MEETING 4-5 APRIL 1997
UNIVERSITY OF ARKANSAS AT MONTICELLO, MONTICELLO, AR

Richard Kluender
President

James Daly
President-Elect

John D. Rickett
Secretary

Robert Wiley
Treasurer

NAAS Delegate

Henry Robison
Historian

Secretary's Report

MINUTES OF THE 81ST MEETING

FIRST BUSINESS MEETING 4 APRIL 1997

Number present: 18

President Kluender called the meeting to order at 1105.

Kluender introduced Dr. John Annulis, Associate Vice-Chancellor for Academic Affairs, to offer the formal invitation to UAM campus. Dr. Annulis expressed appreciation for all who helped prepare the meeting and delegates for attending.

Kluender recognized the following officers for reports:

1. Local Arrangements Chair (Wiley): (1) A good banquet has been planned, and some tickets are still available. The banquet will be in the Gibson University Center at 1900 hrs. (2) If anyone has a question, the Local Arrangements Committee members can be identified by the red ribbon on their name tag. (3) The Turner Neal Museum is open; visitors are invited. (4) Encouraged students to stay for the second business meeting for the awards presentation. (5) Sigma Xi breakfast will be at 0700 Saturday at E1 Toro Restaurant. (6) A pre-banquet social hour will be at The Captain's Table at 1730 hrs; it is being sponsored by UAMS. (7) A slide preview room is set up in B-31.
2. Secretary (Rickett): (1) Membership categories report. (2) Interaction with Arkansas Environmental Federation explained (AEF has donated \$600 to recognize undergraduate student papers in Environmental, Life, and Physical Sciences as 1st place (\$100), 2nd place (\$50) and 3rd place (\$50) in each section. (3) The Secretary distributed minutes of the two 1996 general business meetings and asked for comments and/or corrections. Pending corrections, he moved (2nd: McConnell) approval of the minutes.

3. Historian (Robison.): Absent at present; no report. Came in late; this is the fourth time to meet on UAM campus.
4. Treasurer (Wiley): Distributed and reviewed an itemized financial statement of income, expenditures and endowments. Godwin moved (2nd: Daly) to accept the treasurer's report.

FUNDS

Beginning Balance - 1 January 1996		\$18,397.81
Total Income (Page 2)	21,807.95	
Total Expenses (Page 3)	19,692.81	
Balance for the Year	2,115.14	2,115.14
CLOSING BALANCE - 31 DECEMBER 1996		\$20,512.95

DISTRIBUTION OF ACCOUNTS

Interest Bearing Checking Account (Union Bank and Trust Co., Monticello, AR)		5,968.05
Certificates of Deposit		
Dwight Moore Endowment (Heartland Community Bank - Monticello, AR - No. 506698.1 - 5.20% Int.)		3,075.00
Life Membership Endowment (Heartland Community Bank - Monticello, AR - No. 510783.0 - 5.25% Int.)		11,469.90
TOTAL		\$20,512.95

Respectfully Submitted,



Robert W. Wiley, AAS Treasurer

Financial Statement, Arkansas Academy of Science

INCOME: 1 January 1996 to 31 December 1996

Secretary's Report

1. INDIVIDUAL MEMBERSHIPS			
a. Regular	3,825.00		
b. Sustaining	230.00		
c. Life	1,350.00		
d. Associate	315.00		
	5,720.00	5,720.00	
2. INSTITUTIONAL MEMBERSHIPS			
		2,600.00	
3. PROCEEDINGS, LIBRARY SUBSCRIPTIONS			
		4,471.37	
4. PROCEEDINGS, MISC. SALES			
		226.50	
5. PROCEEDINGS, PAGE CHARGES			
		7,525.00	
6. INTEREST			
a. Interest Bearing Checking Account	159.40		
b. Dwight Moore Endowment	159.22		
c. Life Membership Endowment	365.55		
	684.17	684.17	
7. ENDOWMENT DONATIONS			
a. Dwight Moore Endowment	540.91		
b. AAS Endowment	40.00		
	580.91	580.91	
TOTAL INCOME			\$21,807.95

Financial Statement, Arkansas Academy of Science

EXPENSES: 1 January 1996 to 31 December 1996

1. AWARDS			
a. Conway Trophy & Awards, Plaques - Arkansas Science Talent Search (#669)	227.90		
b. Arkansas Science Fair Association (#670)	450.00		
c. Arkansas Junior Academy of Science (#671)	250.00		
d. Michael Rapp-Plaque for Judith Bean (#676)	44.10		
	972.00	972.00	
2. PROCEEDINGS			
a. Phillips Litho - Unpaid Sales Tax (#663)	52.90		
b. Stan Trauth -Editorial Consultation and Travel Vol. 49 (#664)	200.00		
c. Creative Multigraphics Vol. 49 (#667)	16,689.60		
d. Joy Trauth -Editorial Consultant Vol. 50 (#673)	500.00		
	17,442.50	17,442.50	
3. OFFICE EXPENSES			
a. Secretaries Office - John Rickett (#672)		539.94	
4. ANNUAL MEETING			
a. Richard Kluender - Plaque (#665)		66.66	
5. NEWSLETTERS			
a. Henderson State University (#666)	251.65		
b. Kwik Print (#677)	299.53		
	551.18	551.18	
6. DUES			
a. National Association of Academies of Science (#662)		62.50	
7. MISCELLANEOUS			
a. Bateman Printing - Endowment Brochures (#675)		58.03	
TOTAL EXPENSES			\$19,692.81

5. *Proceedings* Editor (Trauth): New volume (50) is available in the lobby; asked individuals from separate campuses to take unclaimed copies back to their respective campuses to avoid mailing costs. Stan drew attention to the fewer (than in Vol. 49) pages and cost per page and moved (2nd: Bacon) that the AAS continue to support the editor's office with \$500 (Editorial Assistant) and \$200 (Editor's travel).

6. *Newsletter* Editor (Saughey): Asked if we wish to reinstitute the "News from Campuses" and, if so, asked for volunteers to gather information from respective campuses. Saughey moved (2nd: Trauth) that \$800 be designated for the preparation and mailing of the *Newsletter*.

7. Nominations Committee (R.L. Watson, Phoebe Harp and Tom Buchanan) (report in absentia): Nominees for Vice-President are Mostafa Hemmati (ATU) and Will Braithwaite (UALR). Joyce Hardin (Hendrix) has been nominated for Treasurer. McDaniel moved (2nd: McConnell) that the Nominations Committee's report be accepted. Kluender then asked for nominations from the floor, but none came.

8. Kluender appointed Art Johnson to chair the Auditing Committee and get one member to assist. Kluender appointed Rick McDaniel to chair the Resolutions Committee and solicit one member to help.

9. Kluender asked for the following committee reports:

- Biota Committee (Doug James): James absent; no report.
- Development Committee (Daly): Daly is developing a mechanism to identify potential donors to solicit funds to support publication of the *Proceedings*.
- Westinghouse Science Talent Search (Steve Runge): In his absence, Kluender read a brief report (see Appendix A) and a motion for continued support of \$200 to obtain plaques and certificates to the winners. Motion 2nd: Bacon.
- Junior Science & Humanities Symposium (Tom Palko): In his absence, Kluender read a brief report (see Appendix B).
- State Science Fair Association (Mike Rapp): In his absence, Kluender read a report which recognized the regional fairs and their sponsors (see Appendix C). Rapp requested continued support of \$450 (2nd: Trauth).
- Junior Academy of Science (Robert and Raynell Skinner) (report in absentia; see Appendix C): Kluender praised the Skinners for their work with the Junior Academy and moved their request of \$250 (2nd: McConnell) for continued support.

10. President Kluender asked for items of old business--none came.
11. Kluender then opened the floor for new business and recognized Saugey who reported that things have changed regarding the 1998 meeting, and it would be too expensive. Daly has graciously accepted the responsibility of going back to UAMS's official bid.
12. Kluender recognized Rickett to present three motions from the *ad hoc* Constitution Committee (2nd: Daly); Motion (1): to delete the First Business Meeting; Motion (2): to rescind the practice of giving student members a copy of the *Proceedings*, and Motion (3): to reduce student membership dues to \$10 [contingent upon passage of Motion (2)]. Kluender then opened the floor for discussion. Johnson pointed out that Article 7 of our constitution states that proposed amendments must be presented at "one session" and voted on during a "subsequent session" ("session" generally taken to mean a business meeting). Johnson also suggested we might do something different to attract people to this, he considers, a gathering/initial point of contact for kicking off the meeting. Considerable discussion followed containing differing opinions; Kluender asked people to talk to others at this meeting to get a sense one way or another.
13. Kluender returned to Motions (2) and (3) and explained the increasing cost of the *Proceedings* is eroding our endowments and to offset that, the ExCom's decision to set page charges at 75% of the last year's per-page cost. No discussion followed regarding the motions.
14. Kluender recognized Trauth to move (2nd: McDaniel) that the journal's name be changed to "Journal of the Arkansas Academy of Science" to try to get away from a perception that "Proceedings..." implies lower quality.
15. Kluender asked for new business, but none came.
16. Kluender announced that contributors should submit manuscripts to section chairs. Bacon asked Kluender to urge moderators stay on time. Daly asked the Historian and Editor if we planned to prepare anything special for Volume 50. Robison said nothing was being planned, and it might be more appropriate to wait until the year 2000 and do something special.
17. Kluender then asked for a motion to adjourn; moved by Godwin (2nd: Robison). Meeting adjourned at 1208.

SECOND BUSINESS MEETING
5 APRIL 1997

Number present: 55

President Kluender called the meeting to order at 1140 and recognized the following officers in order for reports:

1. Secretary (Rickett): He has received no corrections for the minutes of the 1996 Business Meetings. Minutes approved and accepted by voice vote.
2. Nominations Committee: nominees for Vice-President are Mostafa Hemmati (ATU) and Will Braithwaite (UALR). Joyce Hardin is nominated for Treasurer. Kluender asked for nominations from the floor, but none came. Trauth moved (2nd: Robison) that nominations for Vice-President cease; passed. Robison moved (2nd: Braithwaite) that nominations for Treasurer cease and Hardin be elected by acclamation; passed. Ballots for electing a Vice-President were distributed.
3. Treasurer: Wiley asked for any comments regarding the financial statement; none came.

Kluender recognized Art Johnson, Chair of the Auditing Committee (member: Dan England) who reported the books are in good order and praised Wiley for his excellent work this year and over the past 10 years. Motion to approve financial report passed.

4. Development Committee: Daly is working on contacts with some influential persons to obtain support for the journal.
5. Historian (Robison): This is the 81st meeting of the Arkansas Academy of Science and the fourth time to meet in Monticello; other years were 1936, 1942, 1985.
6. Biota Committee: Doug James absent; no representative or report.
7. Proceedings Editor: Trauth restated his request for continued funding (\$500 for editorial assistance and \$200 for travel). Approved.
8. Newsletter Editor: Saugey restated his request of \$800 to support the production of the 1997-98 Newsletter. Approved.
9. Ancillary Organizations: no directors present; Kluender reviewed the reports and requests for funding introduced at the 1st meeting:
 - a. Westinghouse Science Talent Search: \$200
 - b. Junior Science & Humanities Symposium: none
 - c. Junior Academy of Science: \$250
 - d. Arkansas State Science Fair Association: \$450

Secretary's Report

- All requests were approved.
10. Kluender recognized Saugey who reported that due to recent changes, the 1998 meeting proposed for the Ramada Inn in Hot Springs will probably be far too expensive of us. Daly has consented to return to UAMS to try to reactivate their bid.
 11. Kluender recognized Rickett who reviewed the motions from the *ad hoc* Constitution Committee and opened discussions:
 - a. Motion (1): to eliminate the First Business Meeting. Watson suggested the first meeting be scheduled near the end of the day Friday. Braithwaite suggested we use the internet to disseminate information. Harp spoke for retaining one business meeting (2nd) and that it be rescheduled for some mid-meeting time. Johnson pointed out that we can't give out the awards at a single meeting if it's held at a mid-meeting time. Watson moved (2nd: Braithwaite) to table the motion.
 - b. Motion (2): to stop giving student members a copy of the *Proceedings*. Braithwaite argued that it's important to give a firsttime presenting student a copy. McDaniel agreed that this was the reason we did it in the first place. Wiley explained the recent history of rising costs of producing the *Proceedings*. Considerable discussion followed. Braithwaite (2nd: Johnson) moved to table Motion 2. Motion to table failed. Vote on the motion: Passed.
 - c. Motion (3): student membership dues be decreased to \$10. No discussion came. Passed.
 - d. Additional Motion: to change the journal's name to "Journal of the Arkansas Academy of Science". Passed.
 12. Kluender recognized the Resolutions Committee (Rick McDaniel and George Harp): McDaniel read the resolutions (Appendix D). Hemmati moved (2nd: Robison) that the resolutions be accepted. Passed.
 13. Kluender recognized Jim Huey, Chair, Awards Committee who recognized Mr. Terence Leonard (Atlantic Research Corporation in Camden on behalf of AEF to present the awards (see Appendix E).
 14. Kluender recognized Wiley for a report on this meeting's statistics. No report was prepared.
 15. Kluender opened the floor for old business: Saugey asked for the renewal of news from campuses for the *Newsletter*. He also asked for address and status changes.
 16. Kluender announced the new Vice-President is Mostafa Hemmati and the new Treasurer is Joyce Hardin.
 17. Kluender announced an item of new business: a group of concerned individuals have asked for a special sub-session (mini-symposium) to report on the status of sensitive species at the next meeting. The Executive Committee will discuss it.
 18. Kluender made these final announcements:
 - a. Pick up unclaimed *Proceedings* and return them to respective campuses.
 - b. Turn in manuscripts to Stan Trauth
 - c. Personal thanks to Bob Wiley, Rose McConnell, John Rickett, Robert Watson and Jim Daly.
 19. Daly moved (2nd: Trauth) that the Academy give a special award to Wiley in recognition of his 10 years as Treasurer. Approved.
 20. Kluender recognized Daly and handed him the gavel as the new President. Daly thanked Kluender with a plaque.
 21. President Daly then asked for input to help subsidize student members with a *Proceedings*.

Respectfully submitted,

John Rickett, Secretary 20
April 1997.

APPENDIX A

**ARKANSAS ACADEMY OF SCIENCE
WESTINGHOUSE SCIENCE
TALENT SEARCH REPORT**

Following are the winners of the 46th Annual Arkansas Science Talent Search, 1996-97, held in conjunction with the 56th Annual Westinghouse Science Talent Search:

First Place

Mi Zhou	"Absorbance and fluorescence
5624 W. 31st Street #28	of copper and iron
Little Rock, AR 72204	thioarbiturate complexes"
Little Rock Central High School	
Sponsored by Mr. Gary Hufford	

First Place

Neha Niranhan Mehta	"Comparison of the effects
506 Fair Oaks Lane	of epidermal growth factor,

Arkansas Academy of Science

Russellville, AR 72801 gibberellic acid, and indole-3-acetic acid"
Arkansas School for Math and Science
Sponsored by Mr. Rodney Harris

Third Place

Fletcher Scott Foti "Pixel ecology: Dynamic
5018 Country Club Blvd. automata as a model
Little Rock, AR 72207 for forest change"
Little Rock Central High School
Sponsored by Ms. Melissa Donham

Motion from Director

"Mr. President, I move that the Arkansas Academy of Science provide up to \$200 to the Arkansas Science Talent Search in order to recognize three student winners and their teachers with appropriate plaques and certificates."

Submitted by Steven W. Runge, Director
4 April 1997

APPENDIX B

ARKANSAS ACADEMY OF SCIENCE
JUNIOR SCIENCE AND HUMANITIES SYMPOSIUM

The 31st Arkansas Junior Science and Humanities Symposium will be held 4-6 April 1997 at Arkansas Tech University, Russellville, AR. This will be the 21st Arkansas JSHS program held on the ATU campus. Sixteen papers from 94 submitted from across the state have been chosen for presentation and judging. The keynote speaker at the recognition banquet will be Dr. Stanley Jones from NASA Langley Research Center, Hampton, Virginia. His topic will be "NASA's Missions: To and From Earth."

The students will also hear about Dr. Mike Conner's research. The title of his presentation will be "Bobcat Ecology in a Southern Forested Ecosystem."

Several activities are planned for the 120 students and 35 teacher delegates who have been invited as guests of the symposium. The delegates will have opportunity to participate in a three-hour tour of Heifer Project International near Perryville, AR.

Submitted by Tom Palko
4 April 1997

APPENDIX C

JUNIOR ACADEMY AND STATE SCIENCE
FAIR ASSOCIATION

Thank you for the support the Academy has provided for the past 14 years for AAS members being willing to serve as judges and financial support. This is a report on science fair activities in 1997:

	date	fair director	Jr. Acad. dir.	no. part.
Central	8 March UAMS	Margie Snider	Marian Douglas	366
Northcentral	21 March Lyon Coll.	Beverly Meinzer	Kathy Campbell	179
Northeast	21,22 Mar ASU	Larry Mink	Ron Johnson	212
Northwest	14 March UAF	Lynne Hehr	Lynne Hehr	352
Southcentral	7 March HSU	Jules Mollere	Lisa Cobb	128
Southeast	7 March UAM	Jim Leslei		269
Southwest	14 March SAU	Tim Daniels		335
Westcentral	18 Feb ASMS	A. Castleberry	A. Castleberry	260

Approximately 280 students are expected to register for the State Science Fair and 75 for the state Junior Academy meeting to be held 11, 12 April in Conway (UCA). Mike Rapp will direct the fair, and Bob and Raynell Skinner will direct the Junior Academy meeting.

Please indicate a resolution of thanks for the work of the individuals indicated above.

The Arkansas Science Fair Association requests the Arkansas Academy of Science continue its support of the past 12 years of \$50 to each of the science fair in Arkansas that will send students and teachers to the International Science and Engineering Fair, to be held in May 1997 in Louisville, KY. The total contribution being requested is \$450. The Junior Academy of Science requests the Arkansas Academy of Science to continue its support of \$250 for 1997.

Submitted by Mike Rapp
4 April 1997

APPENDIX C

ARKANSAS ACADEMY OF SCIENCE
RESOLUTIONS

BE IT RESOLVED that we, the membership of the Arkansas Academy of Science, offer our sincere thanks to the University of Arkansas at Monticello for hosting the 1997 meeting of the Arkansas Academy of Science. In particular, we thank the local arrangements committee (Robert Wiley [Chair and registration], Rose McConnell [manuscripts], Jim Huey [judging of student papers], Jim Edson [audio-visual], Eric Sundell [banquet speaker], Ed Bacon [exhibitions], Walt Godwin [pre-banquet social], Morris

Secretary's Report

Bramlett [refreshments], Joe Guenter [invocation], Richard Kluender [introduction of speaker] and all of the student workers and staff who collectively contributed to a very successful meeting. Appreciation is expressed for the use of the excellent facilities and the hospitality shown to us by all University of Arkansas at Monticello personnel. The banquet was excellent with its Cajun flair, and we truly appreciated Dr. Robert C. Welsh and his graphic presentation of "Rediscovering our world with remote sensing and GIS." Certainly it was with a true touch of southern hospitality that the local arrangements committee provided continual car washes and hygienic top to bottom cleansing for participants approaching and leaving the meeting site.

The Academy recognizes the important role played by the various section chairpersons and expresses sincere appreciation to Walt Godwin (Chemistry), J. Scott McConnell (Environmental Sciences), Henry W. Robison (Vertebrate Zoology), Don Culwell (Botany and Applied Plant Sciences), Edwin Braithwaite (Physics and Geology), Wilfred Braithwaite (Engineering and Mathematics), Renn Tumison (Invertebrate and Aquatic Biology), and Russell Nordeen (Biochemistry, Genetics, Molecular Biology and Biomedical Sciences).

A special thanks is owed the individuals devoting considerable time and energy to judging student papers: Jim Huey, Vincent Cobb, Ed Bacon, Rudy Eichenberger, Joe Guenter, Mostafa Hemmati, and Jerry Webb.

The Academy appreciates the support provided by UAMS as sponsor of the pre-banquet social, the Arkansas Environmental Federation as funding sponsor of the undergraduate presentation awards, and Sigma Xi as funding sponsor of the graduate presentation awards.

We express gratitude to the various directors of the science and youth activities which are supported or supervised by the Academy: Jim Edson (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), Steve Runge (Director of the Science Talent Search), and Robert and Raynell Skinner (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: Jane Meadows and Margie Snider (Central), Roberta Bustin and Beverly Meinzer (Northcentral), Larry Mink and David Gillanders (Northeast), Lynn and John Hehr (Northwest), Vince Cobb (Southcentral), Carson Davis and Joe Giddens (Southwest), Jerry Brothers (Southeast), Dana Lambert (Westcentral), and Mike Rapp (State Meeting, UCA, Conway).

The continued success of the Academy is due to its strong leadership. We offer sincere thanks to our officers for another excellent year: Richard Kluender (President), James Daly (President-Elect), Rose McConnell (Vice-President),

John Rickett (Secretary), Robert Wiley (Treasurer, completing 10 years of service), Peggy Rae Dorris (Past President), Stan Trauth (*Proceedings* Editor), David Saugey (*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.

Finally, we congratulate all who presented papers and posters at this meeting. Student participants are especially recognized, since their continued efforts and contributions will be directly responsible for the future success of the Academy and its programs for the continuing improvement and advancement of science education and research in Arkansas.

Respectfully submitted, Resolutions Committee
V. Rick McDaniel, Chair
George Harp

APPENDIX E

ARKANSAS ACADEMY OF SCIENCE
STUDENT PAPER WINNERS*Undergraduate**Environmental Sciences*

- First: V.L. McTolf, UAM, "Accumulation of nitrate-nitrogen in an alfisol cropped to continuous cotton"
- Second: Demetra O. Salisbury, UAF, "A hydrogeological and hydrochemical connection between Crystal Lake and Decatur City Spring, Benton County, Arkansas"
- Third: J. Scott Covington, UALR, "An initial assessment of water characteristics and aquatic biota of Blanchard Spring, Stone County, Arkansas"

Life Sciences

- First: Jennifer Powell, Hendrix, "Characterization of a mutation in the hPPT gene causing infantile neuronal ceroid lipofuscinosis (incl.)"
- Second: Craig R. McClain, Hendrix, "The relation of size gradients with latitude in deep-sea turrids"
- Third: Utah W. Nickel, Hendrix, "Induction pattern of APX3 in *Arabidopsis*"

Physical Sciences

- First: Chris Barber, ASU, "Preparation of power precursors and evaporation of photoconductive indium (III) sulfide films"
- Second: Brandon Kemp, ASU, "Iodide ion-based improvements in CuInS₂ films electrodeposited from the three solvent bath"

Arkansas Academy of Science

Third: Brant Stanley, UAM, "Acidity studies of deuterated acids and bases commonly used as buffers in NMR studies"

Graduate

Life Sciences

First: Donna Moore, UAF, "Microhabitat and habitat distribution of protostelids in forests and grasslands of northwest Arkansas"

Second: Mary Lynn Lambert, E. Ill. Univ., "Characteristics and use of cavity trees in Ozark hardwood stands"

Third: Daniel White, ASU, "A comparison of vegetative growth vs. reproductive effort as an appropriate measure of aluminum phytotoxicity in *Brassica rapa*"

Physical Sciences

First: Eric Barnett, ASU, "High resolution laser spectroscopic study of jet cooled gases"

Second: Sailesh Kumar, UALR, "Thin film deposition of silicon for solar cell applications"

Third: Diana Lindquist, UAMS, "A method to correct the voxel size in press"

Secretary's Report

MEMBERS 1996

FIRST MI	LAST NAME	INSTITUTION
Robert	Bacon	University of Arkansas at Fayetteville
Max L.	Baker	University of Arkansas/Medical Sciences
Gene Lee	Bangs	University of Arkansas at Little Rock
Gwen	Barber	Arkansas Tech University
C.	Bhuvaneshwaran	University of Arkansas for Medical Sciences
Victor	Blunt	University of Arkansas at Pine Bluff
Frank	Bowers	University of Wisconsin-Stevens Point
Jimmy D.	Brugg	Henderson State University
Edwin S.	Braithwaite	Cedarville College
Morris	Bramlett	University of Arkansas at Monticello
William D.	Brown	University of Arkansas at Fayetteville
Nick	Brown	University of Arkansas at Monticello
Thomas	Buchanan	Westark Community College
John	Bush	University of Arkansas at Little Rock
Susan	Cady	Arkansas State University
Michael E.	Cartwright	Arkansas Game & Fish Commission
Stanley L.	Chapman	University of Arkansas at Fayetteville
Cindy	Cisar	University of Arkansas at Fayetteville
Frances E.	Clayton	University of Arkansas at Fayetteville
Gary	Cloud	University of Arkansas
Vincent A.	Cobb	Ouachita Baptist University
Joseph T.	Collins	University of Kansas
Lynita	Cooksey	Arkansas State University
Robert M.	Cordova	Arkansas Department of Health
Marc	Corrigan	University of Arkansas at Monticello
Betty	Crump	U.S.D.A., Forest Service
Donald	Culwell	University of Central Arkansas
James T.	Daniels	Southern Arkansas University
Perry A.	Daniels	Arkansas State University
Jerry A.	Darsey	University of Arkansas at Little Rock
Jerry W.	Davis	USDA, Forest Service
Patrick	Desrochers	University of Central Arkansas
Vipul	Dholakia	University of Arkansas at Pine Bluff
Peggy Rae	Dorris	Henderson State University
Robert H.	Doster	Ark. Highway & Transp. Dept.
Benjamin T.	Duhart	University of Arkansas at Pine Bluff
Rudolph J.	Eichenberger	Southern Arkansas University
David	Eller	University of Arkansas for Medical Sciences
Robert	Engelken	Arkansas State University
Don	England	Harding University
Claude E.	Epperson	University of Arkansas/Medical Sciences
Nikola	Fijan	University of Arkansas at Pine Bluff
Sheldon	Fitzpatrick	University of Arkansas at Pine Bluff
E. P. (Perk)	Floyd	U.S. Public Health Service
Thomas L.	Foti	Natural Heritage Commission
Donald W.	Freeman	USDA-University of Ark. at Pine Bluff
Joe P.	Gentry	Arkansas Science & Technology Authority
Rose	Gergerich	University of Arkansas at Fayetteville
Elizabeth M.	Getz	University of Central Arkansas
Wayne	Gildseth	Southern Arkansas University
Crissy Patterso	Goss	Hampton High School
Wayne L.	Gray	University of Arkansas/Medical Sciences
Reid	Green	U.S. Geological Survey
Gaston	Griggs	John Brown University
Yanfei	Guo	University of Arkansas at Monticello
Earl L.	Hanebrink	Arkansas State University - retired
John L.	Harris	Arkansas Highway & Transportation Dept.
Michael J.	Harvey	Tennessee Tech University
Roger M.	Hawk	University of Arkansas at Little Rock
Kristine	Herbert	Westark Community College
Larry R.	Hilburn	Black River Technical College
Lisa J.	Hlass	U.S. Forest Service
William G.	Hood	University of Arkansas at Little Rock
Feng Hou	Huang	University of Arkansas at Fayetteville
Jim	Huey	University of Arkansas at Monticello
Martin	Huss	Arkansas State University
Philip E.	Hyatt	USDA, Forest Service
Joseph U.	Igietseme	University of Arkansas/Medical Sciences
Celia	Ison	University of Nebraska
M. D.	Jalaluddin	University of Arkansas at Pine Bluff
David	Jamieson	Ark. St. University-Beebe/Newport
David	Jimerson	Arkansas State University
James E.	Johnson	University of Arkansas at Fayetteville
Michael I.	Johnson	Nettleton High School
Hugh	Johnson	Southern Arkansas University

FIRST MI	LAST NAME	INSTITUTION
Thurman O.	Jordan	Arkansas Audubon Society
Jay	Justice	Ark. Dept. Pollution Control & Ecology
Alvan A.	Karlin	University of Arkansas at Little Rock
Mark	Karnes	The Ross Foundation
Philip L.	Kehler	University of Arkansas at Little Rock
Scott W.	Kirkconnell	Arkansas Tech University
Maurice G.	Kleve	University of Arkansas at Little Rock
Richard	Kluender	University of Arkansas at Monticello
Roger E., II	Koeppe	University of Arkansas at Fayetteville
Randall A.	Kopper	Hendrix College
Timothy	Kral	University of Arkansas at Fayetteville
Janet	Lanza	University of Arkansas at Little Rock
Norman	Lavers	Arkansas State University
Stephen A.	Leslie	University of Arkansas at Little Rock
Hal O.	Liechty	University of Arkansas at Monticello
Brian	Lockhart	University of Arkansas at Monticello
David	Lortz	University of Arkansas at Monticello
Thomas J.	Lynch	University of Arkansas at Little Rock
Siripong	Malasri	Christian Brothers University
Jerry	Manion	University of Central Arkansas
John E.	Marshall	Biotechnical Services Inc.
H. Michael	Mathews	Henderson State University
Chris T.	McAllister	Texas Wesleyan University
Russell B.	McAllister	Ark. Dept. Pollution Control & Ecology
Rose	McConnell	University of Arkansas at Monticello
V. Rick	McDaniel	Arkansas State University
David	Meeks	Westark Community College
Rahul	Mehta	University of Central Arkansas
Lawrence A.	Mink	Arkansas State University
Roberta A.	Mittelstaedt	National Center for Tox. Research
James S.	Mittelstaedt	Pines Technical College
Paul	Mixon	Arkansas State University
Warren	Montague	U.S. Forest Service
Jewel	Moore	University of Central Arkansas
Cindy	Moore	Westark Community College
Leland F.	Morgans	University of Arkansas at Little Rock
Linda	Moss	
Lawrence M.	Mwasi	University of Arkansas at Pine Bluff
Paul M.	Nave	Arkansas State University
Joseph C.	Neal	U. S. Forest Service
William F.	Nicholson	University of Arkansas at Monticello
Russell	Nordeen	University of Arkansas at Monticello
Timothy J.	O'Brien	University of Arkansas/Medical Sciences
Joseph O.	Owasoyo	University of Arkansas at Pine Bluff
Don R.	Owens	University of Arkansas at Little Rock
Bryan D.	Palmer	Henderson State University
Mark A.	Paulissen	McNeese State University
John D.	Peck	University of Central Arkansas
Paula B.	Pendergrass	Arkansas Tech University
James C.	Petersen	U.S. Geological Survey
Jimnie	Pigg	Oklahoma Dept. of Environmental Quality
Michael V.	Plummer	Harding University
William R., II	Posey	Dept. Pollution Control & Ecology
Alan F.	Posey	University of Arkansas at Pine Bluff
James A.	Rasmussen	Southern Arkansas University
Darryl K.	Reach	University of Arkansas at Little Rock
Scott W.	Reeve	Arkansas State University
Dennis J.	Richardson	Quinnipiac College
Joe	Rosen	University of Central Arkansas
Karen	Rowe	Arkansas Game & Fish Commission
Steven W.	Runge	University of Central Arkansas
John	Rupe	University of Arkansas at Fayetteville
William A.	Russell, Jr.	University of Arkansas for Medical Sciences
Terry A.	Sanders	Taylor High School
Charles J.	Scifres	University of Arkansas at Fayetteville
John A.	Sealander	University of Arkansas at Fayetteville
Frank L.	Setliff	University of Arkansas at Little Rock
Elwood B.	Shade	University of Arkansas at Monticello
Ali U.	Shaikh	University of Arkansas at Little Rock
William M.	Shepherd	Arkansas Natural Heritage Comm.
Samuel	Siegel	University of Arkansas at Fayetteville
Dewey H.	Sifford	Arkansas State University
Scott	Simon	Arkansas Natural Heritage Commission
Robert	Skinner	University of Arkansas for Medical Sciences
Kimberly G.	Smith	University of Arkansas at Fayetteville
Richard D.	Smith	Arkansas State University
Roy J.	Smith, Jr.	U.S.D.A./University of Arkansas
David G.	Snyder	University of Arkansas at Monticello
Frederick W.	Spiegel	University of Arkansas at Fayetteville

Arkansas Academy of Science

FIRST MI	LAST NAME	INSTITUTION
Richard W.	Standage	U.S. Forest Service
Joseph N.	Stoeckel	Arkansas Tech University
Eric	Sundell	University of Arkansas at Monticello
John C.	Sunderland	Arkansas Game & Fish Commission
Andrew T.	Sustich	Arkansas State University
Phil	Tappe	University of Arkansas at Monticello
William S.	Taylor	University of Central Arkansas
David O.	TeBeest	University of Arkansas at Fayetteville
D S.	Tomer	University of Central Arkansas
Faron D.	Usrey	U.S. Geological Survey
Staria	Vanderpool	Arkansas State University
Richard B.	Walker	University of Arkansas at Pine Bluff
Stephen A.	Walker	The Nature Conservancy
Gerald	Walsh	
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
G. J.	Weidemann	University of Arkansas at Fayetteville
Robert	Weih	University of Arkansas at Monticello
Delores	Wennerstrom	Pulaski Academy
Todd	Wiebers	Henderson State University
J. D.	Wilhide	Arkansas State University
Edmond W.	Wilson, Jr.	Harding University
Donald C.	Wold	University of Arkansas at Little Rock
Duane C.	Wolf	University of Arkansas at Fayetteville
Heather L.	Woolverton	University of Central Arkansas
Robert D.	Wright	University of Central Arkansas
Chia C.	Yang	Arkansas Tech University
Dominic T.	Yang	University of Arkansas at Little Rock
J. Lyndal	York	University of Arkansas/Medical Sciences

SUSTAINING MEMBERS

Ann Marie	Benson	University of Arkansas/Medical Sciences
Malcolm K.	Cleaveland	University of Arkansas at Fayetteville
David	Cole	Harding University
Edward E.	Dale, Jr.	University of Arkansas at Fayetteville
David L.	Davies	University of Arkansas/Medical Sciences
Gisela	Erf	University of Arkansas at Fayetteville
Mattie	Glover	University of Arkansas at Pine Bluff
Edmond E.	Griffin	University of Central Arkansas
Daniel L.	Marsh	Henderson State University
Dennis W.	McMasters	Henderson State University
Alex R.	Nisbet	Ouachita Baptist University
Clifton	Orr	University of Arkansas/Pine Bluff
Paul C.	Sharrah	University of Arkansas at Fayetteville
Felix K.	Tendeku	University of Arkansas at Pine Bluff
Lorraine	Timmerman	Van-Cove High School
Rudy	Timmerman	Rich Mountain Community College
William M.	Willingham	University of Arkansas at Pine Bluff

SPONSORING MEMBERS

Vernon	Bates	Ouachita Mtns. Biological Station
Lawana	England-Whaley	Arkansas State University
Marsh	Rowe	Stamps High School

LIFE MEMBERS

Robbin C.	Anderson	University of Arkansas at Fayetteville
Edmond J.	Bacon	University of Arkansas at Monticello
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/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
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

FIRST MI	LAST NAME	INSTITUTION
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
Mostafa	Hemmati	Arkansas Tech University
Carol A.	Jacobs	
James	James	University of Arkansas at Fayetteville
Arthur A.	Johnson	Hendrix College
Donald R.	Mattison	University of Pittsburgh
Roland E.	McDaniel	FTN Associates, Ltd.
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
John D.	Rickett	University of Arkansas at Little Rock
Henry W.	Robison	Southern Arkansas University
David A.	Saughey	U.S. Forest Service
Stephen A.	Sewell	Mississippi
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	Tumison	Henderson State University
James L.	Wickliff	University of Arkansas at Fayetteville
Robert W.	Wiley	University of Arkansas at Monticello

STUDENT MEMBERS

Jennifer	Abbott	Henderson State University
Jennifer	Akin	University of Arkansas at Fayetteville
James R.	Anderson	Henderson State University
Patricia	Anslow	U.S. Corps of Engineers
Stacy Lee	Bearden	Arkansas State University
Mohanjeet Singh	Brar	University of Arkansas at Fayetteville
Jeff	Briggler	University of Arkansas at Fayetteville
Gregory	Buck	University of Arkansas at Fayetteville
Daniel	Bullock	Arkansas Tech University
Melissa	Camp	Henderson State University
Jeffrey E.	Clayton	University of Arkansas at Little Rock
Amber	Climer	University of Arkansas/Little Rock
Chris	Davidson	Arkansas State University
John	Deaton	Westark Community College
Mathues S.	Doss	Arkansas Tech University
Andrew	Edwards	University of Arkansas at Little Rock
Thomas	Ezell	University of Arkansas at Little Rock
Steve P.	Fillip	Henderson State University
Rob	Fisher	Henderson State University
Kenda	Flores	
Timothy A.	Golden	Henderson State University
Cynthia	Goshen	Henderson State University
Chad	Hargrave	Westark Community College
Wilson	Howe	University of Arkansas/Little Rock
Brad	Howerton	Arkansas State University
Laura	Hudson	Westark Community College
Imran	Khan	Arkansas State University
Sailesh	Kumar	University of Arkansas at Little Rock
Mary Lynn	Lambert	Eastern Illinois University
Diana	Lindquist	University of Arkansas at Little Rock
Doug	Mauldin	University of Arkansas/Little Rock
Sue Ellen	McCloskey	University of Arkansas/Little Rock
David L.	McDaniel	Henderson State University
Cristin	Milam	Arkansas State University
Matthew T.	Moore	Arkansas State University
Donna	Moore	University of Arkansas at Fayetteville
Kaz	Murai	University of Arkansas/Little Rock
Joseph R.	Penor	University of Arkansas at Little Rock
Christine	Pope	Henderson State University
Austin B.	Richards	Arkansas State University
Demetra	Salisbury	University of Arkansas at Fayetteville
Carlos	Sanchez	University of Arkansas/Little Rock
Amy	Scott	Henderson State University
Stephen R.	Skinner	University of Arkansas at Fayetteville
Chris S.	Smith	University of Arkansas at Little Rock
Frances	Terry	Arkansas Tech University
Sophia J.	Torrez	University of Arkansas at Fayetteville
Hilary J.	Worley	Arkansas State University