

**CONSOLIDATED MINUTES OF THE 96TH ANNUAL
MEETING OF THE SOUTH DAKOTA
ACADEMY OF SCIENCE
APRIL 8-9, 2011
HOSTED BY DAKOTA STATE UNIVERSITY
CEDAR SHORES RESORT
OACOMA, SD**

EXECUTIVE COUNCIL

President Dave Bergman opened the meeting of the Executive Council at 11:00 am Friday 8 April 2011, welcomed members of the Executive Council to Cedar Shore and the 96th SDAS Annual Meeting at Cedar Shores Resort hosted by Dakota State University, and noted that a quorum was present.

Reports

The Secretary's Report, Treasurer's Report and Proceedings Editor's Report were given by Donna Hazelwood, Jeff Palmer, and Bob Tatina, respectively. Members moved and seconded acceptance of the respective reports.

Treasurer Jeff Palmer solved the mystery of funds in the amount of \$13.00 which had been reported as unaccounted by the previous Treasurer, but were in fact a non-issue. Future filings will occur on-line in an e-postcard format. Miles Koppang complemented Jeff on doing a great job of solving problems and organizing the finances and financial responsibilities.

The Proceedings Editor's Report given by Bob Tatina included the format for distribution of the 2010 and future Proceedings. At check-in, Members will be provided a CD for the 2010 Proceedings

Old Business

Fellows

2011 SDAS Fellows: Four SDAS Fellows elected in 2010 and will be honored as 2011 Fellows at the banquet; Maureen Diggins, HL Hutcheson, Gary Earl, and Waldimar "Wally" Klawiter Jr. Miles Koppang suggested that a call for new Fellows be announced at the business meeting. Nominations will be accepted from the floor and until the end of May for a vote by the Executive Council to occur at the September meeting. Bob Tatina will send an electronic request for nominations. The above were moved and seconded and the motion passed.

Science Fairs

Jeff Palmer provided an update on the Science Fairs and the current status of the checks awarded on behalf of the Academy. In response to requests from the regional science fairs at NSU and SDSU, Jeff provided eight \$25.00 checks to be distributed on behalf of the Academy. To date he has not yet received a list

of awardees. Dave Bergman noted that a list of the names of the awardees from the Regional Science Fair at SDSU had been forwarded to him. Earlier this year, SDSU notified Jeff that a change in policy has resulted in a charge of \$5.00 per check was now in effect. The result was that in order for the award checks from the Academy to be awarded, the SDSU Foundation would generate and award the checks resulting in a service charge of \$40.00 ($\5.00×8 checks) made payable to the SDSU. Jeff suggested that the latter item was worthy of conversation by the Executive Council. Additional items for discussion included the distribution of SDAS award checks be made at the respective regional science fairs.

SDAS Web Page

Neil Reese provided an update on the SDAS web page. The SDAS web page is currently hosted by SDSU. The SDSU web interface has recently undergone significant changes. These changes have not only resulted in making access to editing the SDAS site increasingly difficult, but have resulted in notification that hosting the SDAS web page by SDSU will be slated for termination. Because of these challenges, 2010 Proceedings have not been uploaded to the SDAS web page.

New Business

Science Fairs

Jeff Palmer suggested that a discussion on the role of the Academy in South Dakota regional Science Fairs be opened.

SDAS Web Page

Neil Reese suggested researching a low-cost easily editable commercial internet provider, and recruiting a more web savvy individual to be webmaster. Uriel Buitrago-Suarez volunteered to serve as webmaster. Jeff suggested research into a commercial host for on-line fee payment such as PayPal. Several members suggested that the Academy have a presence on Face Book. Audrey Gable moved and Tim Mullican seconded a motion that Mount Marty research commercial sites, web design and maintenance, and provide a proposal to be discussed at the Fall Executive Council meeting. Nels Troelstrup suggested that the issue of continuity of the SDAS web page be part of the discussion.

Report on the 17th Annual Meeting hosted by USD

Miles Koppang reported that the 97th Annual meeting hosted by USD is scheduled for 13 and 14 April 2012 on the USD campus. The newly renovated science facilities on the USD campus will be showcased. The new student union has been reserved, and facilities include large rooms that can be divided and four smaller rooms. The poster session will be held in the student center. Miles proposed two symposia, one on Science Education and the other on Chemistry. The focus of the Chemistry symposium is currently under discussion. Miles received verification that the Academy will provide to USD the sum of \$750.00 for a featured speaker for each symposium. Krisma DeWitt and Matt Miller will head the Science Education symposium. The symposium, scheduled for Saturday morning, will encourage participation by high school teachers by hosting a breakout session designed for high school teachers.

Call for Papers

Bob Tatina will contact the appropriate individuals late Dec. or early Jan. about the first Call for Papers.

Elections for the 2011-2012 Executive Council:

Krisma DeWitt has kindly and generously offered to fill the Office of President. This action will generate an opening in the office of Second Vice-President. Nels Troelstrup readily volunteered to remain a second year in that office.

Offices open for election are Second-Vice President and Members-at Large for 2011-2013 terms. Members-at-Large running for reelection are: 1) Thomas Montoya, SDSM&T; 2) Miles Koppang, USD; 3) Audrey Gabel, BHSU; and Arvid Boe, SDSU.

For the position of Web Master, Neil has volunteered to continue as Webmaster and Uriel will serve as co-web advisor in addition to his role as Member-at-Large (2010-2012).

Committee Positions

The Nominating Committee will be Miles Koppang, George Mwangi, and Gary Larson. Members of the Resolution Committee are Jim Sorenson and Bob Stoner. Miles kindly volunteered to notify the members. The AAAS Undergraduate Poster Judges will be Uriel Buitrago, George Mwangi and Vicki Geiger.

The 100th SDAS Annual Meeting

The first meeting of the SDAS was hosted by DWU at DWU. To celebrate the 100th Anniversary of the SDAS, the meeting will be hosted by the SDAS Executive Council 10-11 April 2015. The 100th Annual Meeting will be hosted by SDAS Executive Council, at a central location to be determined.

To commemorate 100th Anniversary issue of the Proceedings, Bob Tatina suggested that the Proceedings reflect the history of the Academy, officers, members, and history of the various disciplines. Individual sections will be authored by various authors as appropriate. Additional items for inclusion in the 100th Anniversary Proceedings include a letter forwarded by David Swanson from Nobel Laureate in Physics, T. W. Schultz, to Carol Hanten for inclusion in the 100th Anniversary edition of the Proceedings. The content of the letter was a kind thank-you for honorary life membership. Dave Bergmann suggested that the composition of the Executive Council be included. Tim Mullican followed up with the suggestion that a group picture be taken, and any other photographic documentation be included.

Request for Compensation

Miles Koppang moved that travel and any other related expenses be covered by the Academy for Proceedings Editor Bob Tatina, and cover room board and a thank you check in the amount of \$100.00 be provided to Nancy Presuhn for being in charge of registration. Gary seconded the motion. The motion passed.

Composition of the Executive Council

The composition of the Executive Council was discussed. Currently, NSU does not have representation on the Executive Council. A suggestion was made to consider the possibility of including members from appropriate State Agencies, high school teachers, and corporations. Jeff Palmer suggested that a topic for a future symposium might be industrial and corporate science.

Additional items for the Business meeting include recognizing Jeff Palmer for competently taking over the office of Treasurer Fall 2010 and for doing an excellent job of organizing the financial side of the Academy. Kris DeWitt deserves special commendation for agreeing to again serve as President of the Academy. Kris served the Academy as President 2009-2010, is to be thanked for her willingness to again take on this position of leadership and responsibility for the Academy.

Bob moved and Tom seconded adjourning the meeting at 1:10 pm.

ANNUAL BUSINESS MEETING

President Dave Bergman introduced incoming and returning President, Krisma DeWitt.

Dave opened the Annual Business meeting on April 9, 2011. . The Secretary's report, Treasurer's report, Auditor's Report, and Proceedings Editor's Report were given by Donna Hazelwood, Jeff Palmer, Mark Gabel and Audrey Gabel, and Bob Tatina, respectively

Old Business

President Dave Bergman offered thanks to Dakota State University for hosting the annual meeting and to the local arrangements committee, Kristel Bakker , Dale Droge, Donna Hazelwood (Chair), Jeff Palmer, Nancy Presuhn, and Barbara Szczerbinska, the staff of Cedar Shore Resort , and the symposium organizers and presenters.

The SDAS 2011 Fellows were honored at the banquet; Maureen Diggins, H.L. Hutcheson, Gary Earl, and Waldimar "Wally" Klawiter Jr.

New Business

2011 Fellows

The SDAS 2011 Fellows were honored at the banquet; Maureen Diggins, H.L. Hutcheson, Gary Earl, and Waldimar "Wally" Klawiter Jr. A call for new Fellows was announced at the business meeting. Nominations will be accepted from the floor and until the end of May for a vote by the Executive Council to occur at the September meeting.

Passing of the Gavel

The gavel was passed from outgoing President Dave Bergman to incoming President Krisma DeWitt of Mount Marty College.

Resolutions

The Resolution Committee consisting of Jim Sorenson and Bob Stoner presented special recognition for services to the Academy to Krisma DeWitt for generously volunteering to fill the unexpected vacancy for the office of President and to Jeff Palmer for an exemplary job as incoming Treasurer and for putting the financial records in proper order and for undertaking the job of the first filing with the IRS the required I-990 form. This form is required to be filed on an annual basis and allows the SDAS to maintain status as a non-profit organization.

Elections

The Nominating Committee, Miles Koppang and Gary Larson, provided the following nominations for the open positions for 2011-2012.

For the position of Second Vice President, unless nomination from the floor, Steve Matzner Biology Augustana College. Steve is currently on sabbatical leave so if he agrees to stand election for the position of Second Vice President, the election will occur electronically.

For the positions of Members at large 2011-2013

1. Tom Montoya SDSM&T
2. Miles Koppang USD
3. Audrey Gabel BHSU
4. Arvid Boe SDSU

For the position of webmaster:

Co-webmasters
Neil Reese SDSU
Uriel Buitrago, MMC

With the understanding that an election for the position of Second Vice-President would occur by electronic format, the slate of officers as presented was elected by unanimous voice vote.

Call for Nominations for Fellows

Kris initiated a call for nominations for Fellows of the SDAS. Criteria are Service to SDAS and to science by research, teaching, service to science, and/or extension.

Undergraduate Poster Awards

The Undergraduate Poster Judges Uriel Buitrago, George Mwangi and Vicki Geiger announced the AAAS Undergraduate Poster Winners:

The undergraduate female winner was Shania Sabel for **¹⁵N Labeled Wheat and the Effect of Drought on Amino Acid Biosynthetic Pathways**. Shaina Sabel, Brian Kontz, Amrit Karki, Fedora Sutton, Wen-Ping Chen, Adrian Hegeman and Jerry Cohen. The undergraduate male winner was **Development of a GFP Reporter for Studying Streptococcal Gene Expression**. Paul Mallory, Dane Rasmussen, Marissa Kern and Paul G. Eglund.

Meeting Summary

Two Symposia were scheduled Friday, 8 April, 2011. The morning session was “Physics Research at DUSEL” and the afternoon session was “Changing Climates and Changing Landscapes in the Northern Great Plains”. The Keynote address “Dakota Grasslands, Wetlands, and Climate Change: Last Nail or Silver Lining?” was presented by W. Carter Johnson, Professor, Department of Fisheries and Wildlife Science, South Dakota State University, with closing remarks by David Swanson, Professor, Department of Biology, University of South Dakota. The Plenary Address was “A Synopsis of Land Use and Farm Demographic Changes in South Dakota” by Kenneth Higgins, Fellow of the South Dakota Academy of Science, Professor Emeritus, Department of Fisheries and Wildlife Science, South Dakota State University.

Twenty contributed papers were presented Saturday and 54 posters were shown at the poster presentation. A total of 116 individuals registered for the 96th annual meeting.

Announcements

97th Annual Meeting hosted by USD, SD, 13-14 April, 2012

98th Annual Meeting hosted by Augustana College 2013

99th Annual Meeting hosted by SDSM&T 2014

100th Annual Meeting hosted by SDAS Executive Council

Executive Board Meeting September 10, 2011, Al's Oasis Chamberlain, SD

*Respectfully submitted,
Donna Hazelwood
Secretary SDAS*

TREASURER'S REPORT

15-Feb-10	Checking Account Balance	\$8,352.19
	Certificate of Deposit	\$8,076.26
	Petty Cash	\$300.00
	Total Assets	\$16,728.45

	<i>Income</i>	<i>Expenses</i>
2010 Membership Dues Paid	2,375.00	
2010 Annual Meeting Registrations	4,641.00	
Science Fair Awards		550.00
Holiday Inn Annual Meeting		3,394.45
Speaker (Lusbough)		1,500.00
BHSU Printing costs		108.46
AAAS Student Memberships (2 awarded)		150.00
Secretary of State 2010		10.00
Lunch at Fall Business Meeting		239.59

2010 Membership Dues Paid	50.00	
2010 Membership Dues Paid	25.00	
Cash Box Deposit	300.00	
BGLAD Inc. (help preparing 990-N Online)		79.50
SDSU Foundation (Science Fair Awards)		240.00
Northern SD Science & Math Fair		200.00
Meeting Supplies		154.83
Totals	\$7,391.00	\$6,626.83

31-Mar-11	Checking Account Balance	\$9,116.36	
	Certificate of Deposit	\$8,136.67	
	Petty Cash	\$0.00	
	Total Assets	\$17,253.03	

*Respectfully submitted,
Jeffrey S. Palmer, Treasurer*

PROCEEDINGS EDITOR'S REPORT

Report for the year from April 1, 2010 to March 31, 2011.

1. The following libraries were mailed a complimentary paper copy: AC, BHSU, DSU, DWU, MMC, NSU, OLC, SDSMT, SDSU, UND, UND, Am. Mus. Nat. Hist., U of WA and the Booth Fish Hatchery (Spearfish)
2. The following indexing/abstracting services and institutions were mailed complimentary paper copies:
 - Chemical Abstract Services
 - AcadSci. Inc.
 - Cambridge Scientific Abstracts
 - GeoRef Library
 - Baywood Publishing (Anthropology)
 - Thompson Scientific (Biosis)
 - EBSCO Host (pdfs)
3. The following non-member institution purchased paper copies: Linda Hall Library (Kansas City MO) 1 copy
Curran and Assoc. 2 copies
4. I hired a student to convert paper copies of back volumes to pdfs with the intent to have these uploaded to the Academy website. The 1993-94 volumes (Table of Contents, Minutes and full papers only) have been converted at a cost of about \$12.00 per volume with 51 additional volumes left. My goal is to have the project completed by this time next year.
5. For the 2010 Proceedings:
 - a. No. of paper copies printed = 50
 - b. No. of CDs burned = 100
 - c. No. of pages = 314

- d. No. of full papers published = 18
 e. No. of abstracts published = 73
 f. No. of titles only published = 0
 g. No. paper copies distributed to libraries, abstracting services, individuals, etc. = 29
 h. Electronic files of were provided to Neil Reese, Webmaster, for uploading to the SDAS website and to EBSCOhost to fulfill our contract with them.
6. An experimental plan to distribute CDs of the Proceedings to each 2010 member attending the annual meeting is being instituted. Members on the roster from 2010 who do not get these will be emailed a pdf of the Proceedings unless they request a CD.
7. I also have back issues of paper copies that I am giving away to reduce the clutter in my basement. I will retain at least 2 copies of each year.
8. First call for papers sent out early February; second call sent out 1 March.
9. 2011 Schedule of Events was produced and distributed
 a. For the 2011 annual meeting:
 i. No. of oral presentations = 59
 ii. No. of posters = 46
10. Because of reduced costs for printing paper copies, page charges were reduced from \$30.00 to \$20.00.
11. Costs to produce 2010 Proceedings
- | | |
|------------------------------|---------|
| Formatting | 1888.50 |
| Printing | 1305.60 |
| Digitizing Proceedings | 23.75 |
| Misc. Printing (CDs + Progm) | 324.55 |
| Supplies, postage, etc. | 607.67 |
| Total expenses | 4150.07 |
| Total Invoiced | 5780.00 |
| Payments Received (2010) | 5680.00 |
| Back Payments (2009) Rcd | 265.00 |
| Profit/(loss) | 1599.93 |
| Proportion Paid | 90/95 |
12. Total Income/Expenses (4/1/2010 to 3/31/2011)
- | | |
|-----------------------------|-----------------|
| Balance (4/1/2010) | 13763.33 |
| Formatting | 1888.50 |
| Printing (2009 & 2010 Proc) | 6040.12 |
| Digitizing | 23.75 |
| Misc. Printing | 324.53 |
| Supplies | 355.49 |
| Postage | 252.18 |
| Total Expenses | 8884.57 |
| Total Income | 5965.00 |
| Balance (3/31/2011) | 10843.76 |

*Submitted by
 Robert Tatina
 Editor*