

CONSOLIDATED MINUTES OF THE NINETIETH ANNUAL MEETING OF SOUTH DAKOTA ACADEMY OF SCIENCE, UNIVERSITY OF SIOUX FALLS, SIOUX FALLS, SD 8-9 APRIL 2005

The Executive Council met at noon Friday 8 April 2005 for a final check of plans for the meeting.

President Andy Detwiler opened the executive committee meeting and noted that a quorum was present.

A copy of the Treasurer's Report was distributed by Secretary Donna Hazelwood for Treasurer Kristel Bakker.

Bob Tatina reported for the membership committee and noted that in the past, the President presented to the Academy, the number of new members and moved that they be accepted. Bob also suggested that the members be listed in the Proceedings by membership category, regular, associate or life, institution and discipline.

Donna Hazelwood sent out eight award checks for \$25.00 each to four South Dakota Regional Science Fairs. The regional science fair coordinators are: 1) Jodie Ramsay, Northern South Dakota Science and Math Fair; 2) Madeline Rose, Eastern South Dakota Science and Engineering Fair; 3) Brian T. Hemmelman, High Plains Regional Science and Engineering Fair and 4) Michael Nobel Farney, South Central South Dakota Science and Engineering Fair.

Andy Detwiler reported on an opportunity through the AAAS to provide awards to students. The Academy can provide two types of awards consisting of recognition by the Academy and a one year student membership in the AAAS. The two types of awards are 1) for high school students and 2) for university students. Bob suggested the awards for high school students rotate among the five science fairs to begin 2006. For the undergraduate award, to be presented to one male and one female undergraduate student, Andy Detwiler, Miles Kop-pang, and Jim Sorenson will judge the poster session, and the winners will be announced at the banquet. Miles proposed that judging for the AAAS undergraduate awards occur at the Pierre Poster Session and the awardees then be invited to present at the SDAS meeting.

The 2006 annual meeting will be hosted by Dakota Wesleyan University 7 and 8 April at the Cedar Shore Resort, Oacoma, SD, and will include a symposium on Energy. Bob Tatina has signed a contract with Cedar Shore and a block of rooms has been reserved at state rates. The 2007 meeting is scheduled to be hosted at South Dakota State University.

Bob opened discussion on the proposed 2006 symposium on energy. Topics suggested included the following: 1) improvements on automobiles energy efficiency, 2) wind energy, 3) solar energy, 4) ethanol production and reduction of costs in terms of energy, 5) biodiesel, 6) catalyst conversions and fuel cells.

The issue of publicity for the Academy was discussed. It was decided to look into creating a position on publicity for the Academy. Bob noted that sources of publicity for the 2006 meeting could include, but not be limited to, the South

Dakota Public Broadcasting Forum, South Dakota Magazine and newspapers such as the Mitchell Daily Republic.

The council discussed the possibility of the council becoming proactive on issues and distributing resolutions. One possibility was to create an electronic forum for voting and distributing results. The website could serve as the center.

The Audit Committee will consist of Bob Stoner, Mark Gabel and Audrey Gabel.

The Nominating committee, Andy Detwiler from SDSM&T, and Bob Tatina from DWU, will have the following positions to fill, Second Vice President, and two members-at-large. Krisma DeWitt and Bill Soeffing will be going off as members-at-large.

Registration for the Symposium and Annual Meeting began 8:00 a.m. Friday 8 April, continued again 8:00 a.m. Saturday 9 April. Steve Chipps and Ken Higgins brought Terri Symens to assist with registration.

The Symposium on Bird Research in South Dakota was hosted by K.C. Jensen and Dave Swanson and included eight presentations.

Winners of the Undergraduate AAAS awards were Ryan J. Beyer and Melissa Toler for the following presentations respectively; Beyer, Ryan J. (UG), Joshua Sees (UG), and Michael R. Hildreth, SDSU. "Identification of Larval Habitats for *Culex tarsalis* in Brookings County, South Dakota."; and Fuller, Melissa A. (UG), and William D. Price, MTMC and Marshall University, Huntington. "Unraveling Molecular Recognition in Proteins: Protocol Development for the MALDI-TOF MS.". Ryan and Melissa will each receive a one year membership in the AAAS.

The Plenary Speaker, Lon Kightlinger, South Dakota State Epidemiologist, gave a timely presentation on "Transmission and Epidemiology of the West Nile Virus in South Dakota and the United States."

The business meeting was opened by President Andy Detwiler.

President Elect Bob Tatina gave a well received presidential address entitled "Scientific Literacy—Brightening a Dim Candle".

Steve Chipps reported on the Proceedings Account. The account is at the break even point. To stay solvent the membership will need to increase, or, as a last resort, the page charge will need to increase.

Neil Reese reported on the conversion of the Proceedings to PDF files. Currently, the 2000-2005 Proceedings which have been converted to a PDF file, but are in a single file. To allow for ease of use, file containing the 2000-2005 data will need to be cut into individual years and then each year loaded separately onto the database. Neil requested that he be granted the sum of \$500.00 to hire a student to accomplish this task. H.L. Hutchison moved and Jim Sorenson seconded that Neil be granted the sum of \$500.00 to hire a student to convert the single PDF file containing the 2000-2005 Proceedings into separate files by year and load the files separately on the database. The motion carried by voice vote.

The Resolutions Committee, Miles Koppang and Gary Johnson, proposed the following resolutions: 1) thanks to the University of Sioux Falls for hosting the event and use of the facilities and to Bill Soeffing and the local planning committee as listed in the program for the 2005 Academy meeting; 2) thank you to K.C. Jensen and Dave Swanson for facilitating the Bird Research in South

Dakota Symposium 3) thank you to Lon Kightlinger for his plenary address “Transmission and Epidemiology of the West Nile Virus in South Dakota and the United States.” 4) commend Past President Andy Detwiler for his direction and leadership 2004-2005, 5) thanks to Terri Symens, Di Drake, and Nancy Presuhn for secretarial assistance and to Terri Symens for assisting with registration for the meeting, 6) thanks to Bob Tatina for presidential address on “Scientific Literacy—Brightening a Dim Candle” and 7) a special thanks goes to Editors Steve Chipps and Ken Higgins for their oversight of timely publication of the Proceedings. Jim Sorenson moved and Neil Reese seconded acceptance of the resolutions. The motion carried by voice vote.

The Treasurer report was provided by Donna Hazelwood for Kristel Bakker. Bob Stoner and Mark Gabel served as Auditing Committee. Bob Stoner moved and Steve Chipps seconded that the treasurer’s report be accepted as amended by Bob Stoner. The motion passed by voice vote. The CD at Dakotah Bank will be allowed to rollover for another term.

Outgoing President Andy Detwiler turned the meeting over to President Bob Tatina, and presented Bob with the geologist’s hammer which serves as the gavel. Andy noted that the gavel dates back to the 1990’s when Jim Martin was President. Bob then presented Andy with a plaque of appreciation for his contributions as President.

Elections were held for officers for 2005-2006. The nominations committee Bob Tatina and Tim Mullican presented the nominations. Miles Koppang moved and Jim Sorenson seconded nominations cease and members cast a unanimous ballot in favor for Second Vice-President Nels Troelstrup, and for 2005-2007 member-at-large for Bill Soeffing and Dave Bergmann. The motion carried by voice vote.

Bob Tatina gave the presidential address entitled “Scientific Literacy—Brightening a Dim Candle” which was followed by lively discussion.

On behalf of the membership committee, President Bob Tatina recommended that the Academy accept as new members 74 individuals. Mark Gabel moved and Bill Soeffing seconded the motion. The motion carried by voice vote.

Next year DWU will host the 91st annual meeting 7-8 April at Cedar Shore Resort. The keynote speaker will address energy issues and we will invite a symposium on energy issues and South Dakota. Anyone interested in participating in the symposium is invited to visit with Bob, Steve, or Donna.

Steve requested that the Academy provide honoraria for assistance in the following amounts to Terri Symens \$400.00, Di Drake \$100.00, and Nancy Presuhn \$100.00. Neil moved and Donna seconded a motion to give the amounts requested. The motion carried by a voice vote.

Committee positions for 2005-2006 include:

Membership	to be filled
Fellows	to be filled
Resolutions	to be filled
Nominations	to be filled
Publicity	to be filled

Several items for consideration at the fall meeting of the Executive Committee were discussed. 1) the 2007 meeting hosted by SDSU; 2) nomination of individuals for Fellow; 3) recruitment of new members; 4) a new operations manual to replace the one that apparently has been lost; 5) assisting the five regional science fairs, providing prizes at the middle school level; 6) the 2008 meeting hosted by Mount Marty College; 7) the format and locations of future meetings, 8) the question of raising dues to meet expenses which are exceeding revenues for activities such as awards to science fairs and payment of expenses for Fellows for lodging and food at Annual Meetings, 9) because EPSCOR funding was not renewed, the possibility of cosponsoring the Poster Session in Pierre, (Krisma will contact Jan Small), 10) exposure and publicity of the academy, and 11) forwarding resolutions to Pierre, and 12) creating a Public Relations Position on the Executive Committee, 12) the location of future meetings.

To Recap: the SDAS 2005 Annual Meeting hosted by The University of Sioux Falls consisted of a Symposium on Bird Research in South Dakota hosted by K.C. Jensen and Dave Swanson Friday 8 April in which eight papers were presented. Following the Symposium, 41 posters were presented. Thirty-four papers were presented during the Contributed Paper Sessions on Saturday. A total of 126 members attended the 2005 Annual Meeting.

*Respectfully submitted,
Donna Hazelwood, DSU
SDAS Secretary*

SOUTH DAKOTA ACADEMY OF SCIENCE 2005-2006 EXECUTIVE COUNCIL

President	Robert Tatina, DWU, Biology, 995-2712 rotatina@dwu.edu
President-Elect	James Sorenson, MMC, Biology, 668-1581 jsorenson@mtmc.edu
First Vice-President	Michael Wanous, Augustana College, Biology, 274-4712 mike_wanous@augie.edu
Second Vice-President	Nels H. Troelstrup, Jr. SDSU, Biology and Microbiology, 688-5503 Nels.Troelstrup@sdstate.edu
Secretary	Donna Hazelwood, DSU, Biology, 256-5187 Donna.Hazelwood@dsu.edu
Treasurer	Kristel Bakker, DSU, Biology, 256-5182 Kristel.Bakker@dsu.edu
Proceedings Editor	Steve Chipps, SDSU, Wildlife and Fisheries, USGS, 688-5467 Steven.Chipps@sdstate.edu
Assistant Proceedings Editor	Kenneth F. Higgins, SDSU, Wildlife and Fisheries, USGS, 688-4779 Terri.Symens@sdstate.edu
First Past President	Andrew Derwiler, SDSM&T, IAS, 394-1995 Andrew.Derwiler@sdsmt.edu

Second Past President Miles Koppang, USD, Chemistry, 677-5693
mkoppang@usd.edu

Member-at-Large 2004-2006 John Naughten, NSU, Biology, 626-2456
naughtej@northern.edu

Member-at-Large 2004-2006 David Swanson, USD, Biology, 677-6175
dlswanso@usd.edu

Member-at-Large 2005-2007 Dave Bergmann, BHSU, Biology, 652-2420
DaveBergmann@bhsu.edu

Member-at-Large 2005-2007 Bill Soeffing, USF, Biology, 331-6759
Bill.Soeffing@usioxford.edu

2005 REGIONAL SCIENCE FAIRS

2005 Regional Science Fair Location: Eastern South Dakota
SDAS Representative: Neil Reese

Student, School	Year/Teacher	Title of Project
Carter Ahlers/Garrett Carr, Flandreau Middle School	6th Grade/Gwenda Gullickson	Where is the Wind Stronger: Country or Town?
Amber Nearman/Courtney Whitlock, Elk Point-Jefferson School	7th Grade/Daryl Fletcher	Which Soap is the Best?
Emily Gehrke, Garretson Middle School	8th Grade/Julie Mueller	How to Push Your Horses' Buttons
Tim Norling, Centerville Public School	8th Grade/James Nelson	Generating Power
Jandi Smith, Hamlin Middle School	6th Grade/Juli Trowbridge	Boiling in Time

2005 Regional Science Fair Location: High Plains Regional Science and Engineering Fair, SDSMT, Rapid City

SDAS Representative: Donna Kliche served as judge

Student, School	Year/Teacher	Title of Project
Ian Walton, Belle Fourche Middle School	8th Grade/Beata Ferris	How Do Additives Affect Diesel Fuel?
Rebecca Scheetz, Black Hills Christian Academy	6th Grade/Jennifer Walker	Are Computers Killing Us?
James Paris, Sturgis Williams Middle School	6th Grade/Mike Paris (Sponsor)	Comparison of pH Values of Human Mouth at Various Times of the Day and Its Effects on Teeth
Daniel Snyder, Sturgis Williams Middle School	7th Grade/Ken Snyder (Sponsor)	Skillful Strategies Save Soil
Brennan Ireland, South Middle School	8th Grade/Colleen Schuft	Effects of Salinity on Osmosis in Paramecium
Charles Wetso/Austin Rasby, Dakota Middle School	8th Grade/Sharon Rose	Hovercraft
Megan Walk, Belle Fourche Middle School	8th Grade/Beata Ferris	How Do Stem Cells Affect the White Blood Cell Count in Rats?
Christopher Massa, West Middle School	8th Grade/Ann Hast	The Tsunami Trial

2005 Regional Science Fair Location: South Central South Dakota Science and Engineering Fair

SDAS representative: Jody Strand

Student	School	Teacher
Kirsten Jorgensen	Winner Middle School	Michelle Storms
Beau Bartscher/Taylor Osterberg/Trevor Reif	McCook Middle School	Beth Eickman
Sarah Abdo	Marty Indian Middle School	Frances Bullshoes
Amanda Engle/Paige Jacomet	Wessington Springs Middle School	Kelli Schyrock
Kaye Leiferman	Kimball Middle School	Lori Tonak
Whitney Soles	Winner Middle School	Michelle Storms
Ryan Hauck	Avon Middle School	Paul Kuhlman
Spenser Olson/DJ Smith	Mitchell Middle School	Julie Olson

**2005 Regional Science Fair Location: Northern South Dakota Science and Math Fair
SDAS representative: Linda Richards, Jodie Ramsay**

Student	School	Title of Project
Andrew Kim	Aberdeen Simmons Middle School	School Activities: Academic Performance & Happiness in School
Erik Kringen	Aberdeen Simmons Middle School	Shedding Light on Pea Plants
Kody Ebach	Aberdeen Simmons Middle School	Plant Medium Mania
Andrew Bowar	Faulkton	Are You Safe?
Kayleen Gupman	Faulkton	What's Your Number? Of SPF
Carson Stange	Warner	Liquid vs. Granular
Amanda Finley	Northwestern School	What's Hot! What's Not!

**SOUTH DAKOTA ACADEMY OF SCIENCE
APRIL 7, 2005—PREPARED BY DI DRAKE**

Proceedings Disbursements/Receivables

	2004	2003	2002	1996-2001	Total
Lay Out Formatting	1,899.75	2,490.35	2,251.25	7,021.50	13,662.85
Publication	3,161.38 *	3,257.53	3,978.76	19,124.47	29,522.14
Reprints	1,000.00 *	1,268.88	1,037.39	5,038.44	8,344.71
Conversion to PDF File	179.75	1,600.00	0	0	1,779.75
Miscellaneous Printing	20.09	31.11	108.47	207.97	367.64
Supplies,Phone,Postage	56.71	192.09	328.61	879.98	1,457.39
TOTAL EXPENSES	6,317.68	8,839.96	7,704.48	32,272.36	55,134.48
TOTAL INVOICED	7,215.00	7,625.00	7,055.00	35,948.00	57,843.00
Profit / Loss to date	897.32	(1,214.96)	(649.48)	3,675.64	27,08.52

* Estimate

Cash Balance in SDSU-SD Academy of Science Proceedings Account

	2004	2003	2002	1996-2001	Total
Total Paid Expenses	(6,317.68)	(8,839.96)	(7,704.48)	(32,272.36)	(55,134.48)
Paid by SDAS-Treasurer				4,747.13	4,747.13
Payments Received	6,105.00	6,940.00	6,780.00	34,394.00	54,219.00
Paid to SDAS-Treasurer				(240.00)	(240.00)
Balance of SDSU Account	(212.68)	(1,899.96)	(924.48)	(6,628.77)	(3,591.65)
Percent of Paid Invoices	0.85	0.91	0.96	0.96	0.94
Unpaid Invoices	1,110.00	685.00	275.00	1,554.00	3,624.00

Estimated cash on hand after 2004 expenses \$ 3,591.65

REPORT OF THE RESOLUTIONS COMMITTEE

The membership of the South Dakota Academy of Science thanks the University of Sioux Falls for making its facilities available for the 2005 Academy annual meeting. A special thank you is extended from the Academy to Bill Soeffing and the USF local planning committee for serving as local host and coordinator of this year's meeting.

The Academy extends its thanks to the program committee for making arrangements for the meeting. The members are: Bill Soeffing, Steve Chipps, Terri Symens, Donna Hazelwood, and Andy Detwiler.

We appreciate the efforts by Kent Jensen and Dave Swanson for organizing the symposium "Bird Research in South Dakota."

We thank Lon Kightlinger for his lecture "Transmission and Epidemiology of the West Nile Virus in South Dakota and the United States."

President Andy Detwiler is to be commended for his direction and leadership provided the Academy during this past year.

Thanks for secretarial help from Terri Symens, Di Drake, and Nancy Pre shum. Thanks to Donna Hazelwood for being our Secretary this past year. Thanks to Kristel Bakker for serving as our Treasurer.

Thanks to President-elect Bob Tatina for his presidential address "Scientific Literacy – Brightening a Dim Candle".

The Academy expresses their thanks to Steve Chipps as Editor of the Proceedings, and to Ken Higgins as Associate Editor for their dedication in producing a quality publication.

*Respectfully submitted,
Miles Koppang, Chairman
Gary Johnson
Howard Coker*

EXECUTIVE SUMMARY—PROCEEDINGS EDITORS

Volume 83 for 2004 totaled 357 pages and the production cost for 200 copies was \$6,317.68. Our overall Proceedings account balance to date is \$3,591.65. Copies have been mailed to all current members, all life members, all State libraries and to abstract indexing providers.

Respectfully submitted by:
Steven R. Chipps and Kenneth F. Higgins, Co-Editors
For the South Dakota Academy of Science Proceedings
September 3, 2005

TREASURER'S REPORT 2005
DONNA HAZELWOOD FOR KRISTEL BAKKER

		Expenses	Income	Balance Forward
1 April 2004	Balance forward April 2004			\$9,576.99
1 April 2004	Cash for 2004 SDAS meeting	\$300.00		
3 April 2004	Deposit 2004 SDAS meeting		\$8,134.00	
3 April 2004	Supplies for Annual meeting	\$64.93		
28 April 2004	Plover and Tern Meeting	\$5,770.00		
28 April 2004	Plover and Tern Meeting		\$6,270.00	
28 April 2004	Deposit		\$545.00	
3 May 2004	Gary Moulton	\$3,817.38		
3 May 2004	Cedar Shore	\$5,786.07		
7 May 2004	Awards to Secretaries	\$500.00		
7 May 2004	DSU Prod. center	\$82.88		
2 June 2004	Secretary of State SD	\$10.00		
25 Sept. 2004	Al's Oasis	\$72.00		
25 Sept 2004	AmericInn	\$88.00		
7 March 2005	Membership 2005 deposit		\$370.00	
9 March 2005	Science Fairs 2005 awards	\$800.00		
7 April 2005	Cash for 2005 annual meeting	\$300.00		
7 April 2005	DSU Prod. Center	\$26.50		
Total		\$17,617.76	\$15,319.00	
Balance forward 7 April 2005				\$7,282.83

SOUTH DAKOTA ACADEMY OF SCIENCE MEMBERSHIP LIST BY AFFILIATION

* denotes associate member

Augustana College

Amolins, Michael
 Anderson, Louisa*
 Atteberry, Andrea*
 Baehr, Leslie*
 Beck, Larissa*
 Demke, Sarah*
 Diggins, Maureen
 Duffy-Matzner, Jetty
 Earl, Gary W.
 Engbers, Jon*
 Furman, Gina*
 Gooch, Laura*
 Graumann, Aaron*
 Jerke, Megan*
 Johnson, Leland
 Johnson, Amanda*
 Kanpp, Emil
 Lewis, Amy*
 Likness, Eric
 Marshall, Paul*
 Matzner, Steven
 McDougall, Matt*
 Mello, Abbey*
 Onberg, Jennifer*
 Pabst, Kari*
 Sabol, Heidi*
 Spencer, Craig
 Underberg, Heidi*
 VanDemark, Rob*
 Viste, Arlen
 Wanous, Michael
 Weisshaar, Duane
 Zimmermann, Colleen*
Badlands National Park
 Dingman, Sandee
Black Hills State University
 Anderson, Cynthia
 Cain, Forrest*
 Card, Curtis
 Cottingham, Lauren*
 Farrar, William W.
 Gabel, Audrey
 Gabel, Mark
 Haugen, Riston*

Hightower, Tim
 Lamb, Charles
 McIntosh, Bob*
 Mettler, Raean*
 Peterson, John*
 Siemens, David
 Smith, Brain E.
 Steffes, Alexia*
 Ziegenbein, Shane*
BS BioServ, Inc.
 Schmidt, Cheryl
Buena Vista University
 Hutchins, Jon
Clemson University
 Cicimurri, David
Dakota State University
 Bakker, Krtistel
 Droge, Dale
 Hazelwood, Donna
 Konz, David*
 Palmer, Jeffrey
Dakota Wesleyan University
 Cole, Anthony
 Faith, David
 Lefferts, James
 Linke, Jenna*
 Mullican, Tim
 Tatina, Robert
Florida Institute of Technology
 Patterson, James
Geo. Schur Resources
 Shurr, George W.
Little Wound High School
 Sneten, Daniel
MN-DNR
 Osborn, Bob
Mount Marty College
 Bowers, James
 DeWitt, Krisma
 Divine, Laura*
 Duncan, Erin*
 Fullner, Melissa*
 Kiltzer, Sister Lueticia
 Sorenson, Jim
 Wu, Chun

ND Geological Survey

Hegansen, John W.

New Jersey State Museum

Parris, David C.

North Dakota State University

Barker, William

Northern State University

Faflak, Richard

Melko, O. Michael

Naughten, John

Tallman, Dan

Oklahoma Museum of Natural History

Person, Amanda

Person, Jeff

SD Game Fish and Parks

Barnes, Michael

Backlund, Doug

Erickson, Jack

Keisow, Alyssa

Ode, David

SD Geological Survey

McCormick, Keilli

SDDENR

Jacobson, Carrie

South Dakota School of Mines and Technology

Cross, William M.

Heglund, Dan

Puszynski, Jan A.

Roggenthen, Bill

Swiatkiewicz, Jacek

Vierling, Kerri T.

Williams, Scott

Detwiler, Andy

Hemmelman, Brian

Martin, James

Rahn, Perry

Reams, Josiah*

Schmidt, Allison*

Stetler, Larry

Weiss, John

South Dakota State University

Berg, Sherwood

Berman, Gillian*

Berry, Chuck

Beyer, Ryan*

Boe, Arvid

Boegler, Karen*

Brozal, Volker

Burrows, Rhoda

Cahoe, Regina*

Carter, Catherine

Chase, Chris

Chipps, Steve

Circle, Kathy*

Claussen, Ryan*

Clay, David

Clay, Sharon

Dieter, Chuck

Edwards, Kris*

Gardner, Dawn*

George, Sajan*

Gibson, Susan

Granholt, Nels

Haertel, Lois

Hansen, Nicole*

Harmon, Aaron*

Harms, Nicholas

Hayes, Michelle*

Hildreth, Mike

Hoesel, Aaron*

Huh, Yung

Hummel, Laura*

Javers, Jeremy*

Jenks, Jonathon

Jensen, Kent

Johnson, Paul

Johnson, W. Carter

Johnston, Carol

Kaushik, Radhey

Kim, Ki-In

Kohl, Robert

Larson, Gary

Li, Guangle*

Lowery, Brad*

Lucas, Brian*

Luo, Yun*

Mayer, Anthony*

Meyer, Karen*

Munsterman, Alison*

Murphy, Brie*

Okins, Katherine*

Pedersen, Scott

Rasmus, Ryan*

Rauber, Joel

Reese, Neil

Rust, Jill*

Schaible, Dustin*

Schickel, Madeline*

Schleicher, Leo

Schumacher, Tom

Smolik, James

Terrall, David*

Thiex, Nancy
 Todey, Dennis
 Troelstrap Jr, Nels
 Trooien, Todd P.
 Uscanga, Ebandro
 Vilain, Sebastien
 Volz, Emma*
 Volz, Mark*
 Wake, Carol
 Whalen, Richard H.
 Wieland, Patricia K
 Willis, David W.
 Xu, Lan

University of Pennsylvania

Patrick, Doreena

University of Rhode Island

Ross, Marcus

U.S. Geological Survey

Driscoll, Daniel

University of South Dakota

Britten, Hugh
 Coker, Howard
 Engstrom, Royce
 Hugh, Britten
 Johnson, Gary D.
 Koppang, Miles
 Olmstead, Karen
 Stoner, M. Robert
 Swanson, David
 Thomas, Nathan E.*

USDA Forest Service

Butler, Jack

University of Sioux Falls

Cunningham, Mindy*
 Dorsey, Denise*
 Klawiter, Wally
 Kuhnert, Scott*
 Kuhnert, Shawn*
 McIntyre, Kellee*
 Perkins III, Keith
 Soeffing, William
 Tille, Patricia M.
 Tille, Malissa*

USGS-NPWRL

Johnson, Douglas

USGS-SDSU

Higgins, Ken
 Emeritis
 Hutcheson, H.L.
 Rissky, Roy W.
 Schurman, William

Fellows of the South Dakota Academy of Sciences

Kenneth F. Higgins 1998
 Carroll Hanten 2001
 Emil F. Knapp 2001
 Clyde Brashier 2003
 Milton Hanson 2003
 S. Laetitia Kiltzer 2003
 Robert Looyenga 2003
 Arlen Viste 2003
 Everett White 2003
 Perry H. Rahn 2004
 Robert Stoner 2004

Life members

Marjorie Beaty
 Sherwod Berg
 Henry Cobb
 Raymond Dillion
 Charles Estee
 Harold Foss
 Arie Gaalswyk
 Edna Grieb
 John Paul Gries
 Carrol Hanten
 C. Lorán Hills
 William Houk
 Ernest Huggins
 Robert Kinter
 Waldmer Klawiter, Jr.
 Harlan Klug
 Richard Landborg
 Ralph McGregor
 John Mickelson
 Norman Miller
 V. Ronald Nelson
 James Patterson
 Robert Pengra
 Robert Redin
 Roy Rissky
 James Schmulbach
 Harold Smith
 Theodore Van Bruggen
 Arlen Viste