

19th Annual

Joint Conference

South Dakota Science Teachers Association
South Dakota Council of Teachers of
Mathematics

February 3, 4, & 5, 2011
Crossroads Convention Center
Huron, SD

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Graduate Credit is available through DWU-Mitchell.

Next year's conference will be **February 2, 3, & 4, 2012.**

Featured Speakers

BANQUET SPEAKER—Paul Kuhlman



Paul Kuhlman has taught high school science and math at Avon, South Dakota for 18 years. Previously he taught science at Hosmer and Waubay. He graduated with a B.S degree in Biology Education from North Dakota State University and holds a Master Degrees in Secondary Administration as well as Natural Science both from the University of South Dakota. Paul has worked as a consultant for the SD Department of Education, a judge for “Wal-Mart’s Earth Day Every Day School Challenge” and has worked on a variety of projects for the University of South Dakota’s School of Education. He has been recognized several times for his teaching including the 2006 American Chemical Society’s Midwest Region Award for Excellence in High School Chemical Education, the 2008 SD Outstanding Physical Science Teacher, and the 2009 SD Teacher of Year. Paul and his wife Benita, a 1st grade teacher, make their home in Avon.

OTHER FEATURED SPEAKERS

Mariann Dolnick is a fifth grade teacher at Pickett’s Mill Elementary in Acworth, Georgia. Mariann has 27 years of teaching experience in grades 4 through 8. She holds a BA in Elementary Education from Mercyhurst University in Erie, PA and a Masters in Early Childhood Education from Kennesaw State University in Kennesaw, Georgia. Her specialty is working with at risk students in Georgia’s Early Intervention Program. Mariann will present ideas for creating an interdisciplinary unit that will excite and motivate your students. Although she grew up in Pennsylvania and has spent her adult life in Georgia, Mariann traces her roots back to SD where she was born in Brookings.

Peggy Norris is the Deputy Director for Education and Outreach at Sanford Underground Laboratory at Homestake. Peggy grew up in West Texas, attended Rice University in Houston (B.A. in physics and chemistry) and Columbia University in New York (M.A. and PhD in chemical physics) and then moved to northern California. She spent 25 years at Lawrence Berkeley National Lab in California as a research scientist specializing in nuclear and accelerator physics, with a strong side interest in physics education. In 2009 she relocated to Lead, South Dakota to help realize the vision for the Sanford Center for Science Education at DUSEL, and is greatly enjoying her role in translating the science of DUSEL to educators and students across the state.

Julie Nurnberger-Haag has been a mathematics educator for fifteen years and is certified to teach 6th-12th grade mathematics as well as K-12 learning disabilities. While teaching 7th-12th grade mathematics, she developed methods for teaching math with movement in order to help her students learn more difficult topics in ways that would make sense to them. Julie has shared these ideas with teachers at regional, state, and national conferences as well as through articles in *Mathematics Teaching in the Middle School* and *The Mathematics Teacher*. Julie has also taught mathematics for elementary teachers and other collegiate math courses. More recently she has facilitated teacher professional development of math and science at the Northwest Ohio Center of Excellence in Science and Mathematics Education, the National Science Foundation GK-12 PRISM program, and as a consultant with local schools. Julie is currently pursuing a Ph.D. at Michigan State University in order to become a professor, with the goal of teaching future teachers and conducting research to discover in what ways and for what topics representing mathematics through movement helps students learn.

Ed Sobey created the Northwest Invention Center to serve schools and museums with hands-on programs and exhibits, and to help inventors. Ed directed museums for nearly twenty years, served as the first director of the National Inventors Hall of Fame in Akron, Ohio and founded the National Toy Hall of Fame at A. C. Gilbert’s Discovery Village in Salem, Oregon. He also directed the South Florida Science Museum, the Museum of Science & History in Jacksonville, and the Fresno Metropolitan Museum. Ed taught museum management at the University of Washington and was elected President of the Ohio Museums Association. In addition to directing museums, Ed created and hosted a television show on inventing (“The Idea Factory,” KFSN-ABC) and co-hosted a science series (“Blow the Roof Off”) for the Ohio Public Broadcast Network. He has written fifteen books on subjects from backpacking to robots and kids science projects. At California State University, Fresno, Ed worked with Professor Tim Stearns to launch Kids Invent Toys. He holds a Ph.D. in oceanography from Oregon State University. He is a Fellow of the Explorers Club and serves as the Chairman of the Pacific Northwest Chapter.

Visit www.sdctm.org or www.sdsta.org
for complete Program and Hotel Information.

2011 Spring Conference

South Dakota Science Teachers Association
South Dakota Council of Teachers of Mathematics

The meeting rooms for all sessions are in
The Crossroads Hotel/Huron Events Center

Program

Thursday, February 3, 2011

7:00 PM - 9:00 PM	Evening Sessions	(See Program)
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Friday, February 4, 2011

7:00 AM - 4:20 PM	Registration Open	Pre-Function Area
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8:00 AM - 5:00 PM	Exhibits Open	Pre-Function Area
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8:30 AM - 11:20 AM	Morning Sessions	(See Program)
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11:45 AM - 1:10 PM	Friday Luncheon	Prairie Ballrooms
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1:30 PM - 4:20 PM	(included in registration fee) Afternoon Sessions	(See Program)
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4:30 PM	SDCTM Business Meeting	Dakota C
	SDSTA Business Meeting	Dakota G

6:30 PM	Friday Evening Banquet (Cost is \$20)	Prairie A, B, C
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Saturday, February 5, 2011

7:00 AM - 11:20 AM	Registration Open	Pre-Function Area
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7:00 AM - 8:00 AM	Breakfast Meeting	Salon
	Presidential Awardees (Past & Present)	

8:30 AM - 11:20 AM	Morning Sessions	(See Program)
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12:00 Noon - 1:00 PM	Saturday Luncheon	Prairie A, B, C
	(included in registration fee)	

1:00 PM - 3:50 PM	Afternoon Sessions	(See Program)
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4:00 PM	Joint SDCTM & SDSTA Executive Board Meeting	Boardroom
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Representatives will be exhibiting on Friday from 8:00 AM until 5:00 PM. These include:

Connecting Point Computer Centers	Nola Redmond & Dave Lewis
CPM Educational Program	Bob Petersen
Glencoe – McGraw – Hill	Carol Heisel
Great Source Rigby Steck-Vaughn	Sandy Raike
Holt McDougall	Matt Misialek
Learning Power / TIE	Mary Lou McGirr
Pearson	Mike Limmer
SD Cooperative Extension and 4-H/Youth Development	Will Kennedy
SD Health Career Connections Network & SD Healthcare Workforce Center	Marie Steckleberg
SD Discovery Center (Pierre)	Anne Lewis
SD GFP-Outdoor Campus West	Chad Tussing
SD Public Broadcasting	Steven Rokusek
SDSU-Dept of Teaching Learning & Leadership	Kenneth Emo
US Army Corps of Engineers	Gene Bormann
Wildlife Experiences, Inc.	Maggie Engler & Julia Avison
Workplace Technology Center	Brian Lee
Youth Programs & Continuing Education	Darla VanZuidam

*Name Tag Lanyards are compliments of SD Game Fish and Parks

South Dakota Science Teachers Association Business Meeting
will be held in Dakota G
at 4:30 pm on Friday, February 4, 2011

SD Council of Teachers of Mathematics Business Meeting
will be held in Dakota C
at 4:30 pm on Friday, February 4, 2011

Graduate Credit

Conference credit will be offered through Dakota Wesleyan University. You may register for one hour of credit at the 499 or 599 level.. Attendance at a sharing session is required to earn graduate credit from Dakota Wesleyan University. There will be personnel available to register you for the credit on Thursday night from 6:30 to 9:00 pm, and on Friday morning from 7:30 to 8:30 am. Check in the hotel lobby for the DWU table. A syllabus listing course requirements will be available at the time of registration. For more information, contact Rocky Von Eye at (605) 995-2625.

Next year's conference will be **February 2, 3, & 4, 2012**

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The 2011 Conference Committee would like to offer a Special Thanks to ...

Dakota Wesleyan University and Rocky Von Eye for handling the credit.

Pepsi for helping provide refreshments throughout the conference.

Work Place Technologies / Brian Lee for helping provide morning refreshments.

All speakers for their dedication to the future of mathematics and science education.

All exhibitors for their enthusiastic participation.

The Huron Area Chamber of Commerce, The Huron Convention and Visitors Bureau, for a great deal of help and cooperation—especially with the pheasants.

The Huron Events Center & Crossroads Hotel for their help and generous hospitality.

All the conference participants who make all of our efforts worthwhile and without whom there would be no conference.

**A SPECIAL THANKS GOES TO
TIE for helping us with projectors--!
Connecting Point for providing the Promethean Equipment
Work Place Technologies/Brian Lee for providing SmartBoard Equipment**

Next year's conference will be **February 2, 3, & 4, 2012.**

The 2011 Spring Conference is a joint venture of the South Dakota Science Teachers Association (SDSTA) and the South Dakota Council of Teachers of Mathematics (SDCTM)

Note: There is a common registration form for the conferences. One form is used to register for all activities, including SDSTA and SDCTM memberships.

ONE-day (SDCTM or SDSTA members) includes the Noon Luncheon for that day	\$50	Non-members	\$100	Students \$15
TWO-day (SDCTM or SDSTA members) includes the Noon Luncheon for both days	\$75	Non-members	\$125	Students \$25

The Friday Night Banquet is **NOT** included in the registration fee. A ticket for the banquet may be obtained at an additional cost of **\$20**.

Because of a limited printing budget, the program was available in advance at the SDCTM website [www.sdctm.org] or SDSTA web site [www.sdsta.org]. Printed programs were not mailed, but were distributed on site with the registration materials.

**2011 Mathematics and Science Conference
SDSTA & SDCTM**

Please take time to respond to the following questions concerning the conference. This information will help the program committee take steps to improve future conferences. Circle one in each group:

Content Area:	Math	Science	Both
Grade Band:	Elementary	Middle School	High School

What presentation or presentations did you feel were the most useful or helpful?

What made it (or them) good?

Were there any presentations that disappointed you?

Please give us your overall assessment of the conference along with any comments you would like to share.

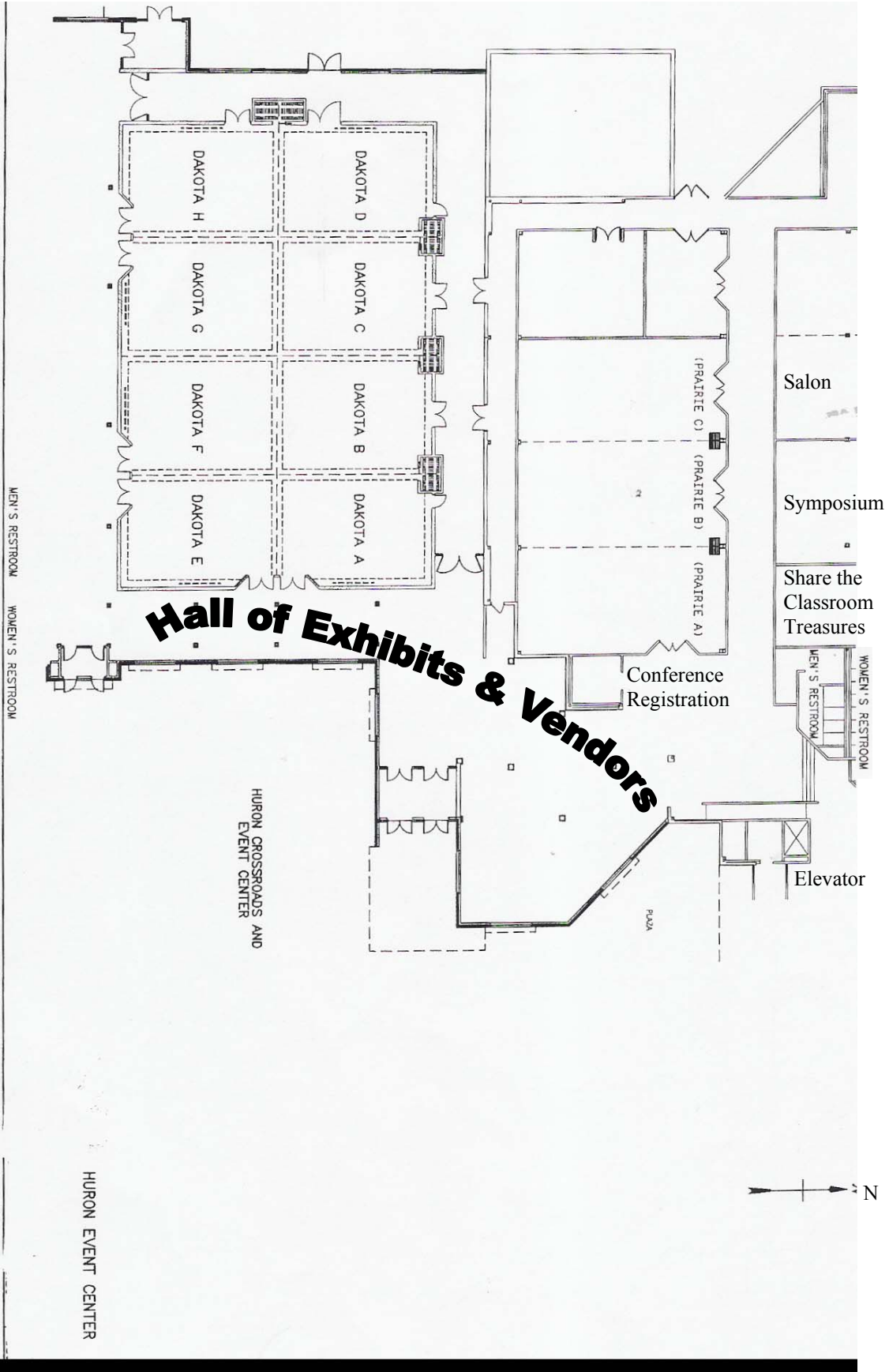
Detach and fill in the following for a final prize to be sent after the conference. To register for the prize turn in this entry along with your evaluation form.

Name

Address

City, State, Zip Code

NOTES



Hall of Exhibits & Vendors

DAKOTA H
DAKOTA G
DAKOTA F
DAKOTA E
DAKOTA D
DAKOTA C
DAKOTA B
DAKOTA A

(PRAIRIE C)
(PRAIRIE B)
(PRAIRIE A)

Salon
Symposium
Share the Classroom Treasures

Conference Registration

Elevator

MEN'S RESTROOM

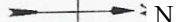
WOMEN'S RESTROOM

MEN'S RESTROOM

WOMEN'S RESTROOM

HURON EVENT CENTER

HURON CROSSROADS AND
EVENT CENTER



PALMA