Joint Conference

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

February 4, 5, & 6, 2010
Crossroads Convention Center
Huron, SD

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Graduate Credit is available through DWU-Mitchell.

Next year’s conference will be February 3, 4, & 5, 2011.
Featured Speakers

BANQUET SPEAKER—Keith E. Van Tassel

Keith E. Van Tassel has been an Engineer at the NASA, Johnson Space Center (JSC) since 1980 where he is currently the Project Manager for Pyrotechnics and the JSC Explosives Safety Officer. Mr. Van Tassel has previously served as the Agency’s Technical Warrant Holder for Pyrotechnics for all the NASA Centers throughout the U. S. Mr. Van Tassel is also the chairman of the NASA Pyrotechnics Working Group (PWG).

As the Team Lead for JSC pyrotechnics, Mr. Van Tassel managed a team of pyrotechnic engineers that provided pyrotechnic devices and testing for the Space Shuttle Program, Constellation Program, and several JPL programs. Some of the JPL projects included the Huygens probe that landed on the Saturn moon of Titan, the Mars Surveyor Rovers, Spirit and Opportunity, and the Deep Impact spacecraft that landed on Comet Tempel 1.

Mr. Van Tassel holds a BSME from Washington University in St. Louis, Missouri and a BA in Physics from Hamline University in St. Paul, Minnesota. He is a 1974 graduate of Watertown Senior High School in Watertown, South Dakota.

Mr. Van Tassel spent his formative years in Redfield and then Watertown, South Dakota where he spent much of his time playing with fireworks in the summers, and shoveling snow in the winters. In 1963, he earned the Jr. Tinkertoy Engineer Award. Mr. Van Tassel currently lives in Seabrook, Texas with his wife and the two youngest of his four children. Come enjoy Keith’s talk on how junior-senior high students may fulfill their dream occupation.

OTHER FEATURED SPEAKERS

Penny Roberts is a curriculum specialist at Greenville Elementary School in Greenville, Kentucky where she works with K-5 students and teachers. She has been in education for 24 years. During her career, she has been an elementary and middle school teacher, served as an elementary mathematics consultant for the Kentucky Department of Education, and has won a number of teaching awards including being named the 2005 Kentucky Elementary Teacher of the Year.

Andrew Weaver is a master teacher at Stillwater Area High School, Stillwater, MN. Andrew teaches biology, Advanced Placement Biology and Field Biology at Stillwater High and also teaches courses designed for teachers in Prairie Ecology, Field Biology and Ornithology through Hamline University in Saint Paul, MN. Andrew is a teacher’s teacher with twenty-three years experience of sharing his excitement for biology in his classroom. Andrew received his Masters degree from the University of Minnesota, has also worked for the Minnesota Zoo and the Science Museum of Minnesota. As a Master Falconer, Andrew trains and hunts with raptors, including peregrine falcons and red-tailed hawks. Andrew has a 55 acre outdoor school lab with 15 acres of prairie and also runs an archery club in his school. Some of his other interests include prairie restoration, bear hunting, triathlons, knife making and purebred dog racing.

Chris Olsen taught mathematics and statistics in Cedar Rapids, IA, for over 30 years and is now a Lecturer in Statistics at Cornell College. He was the Iowa recipient of the Presidential Award for Excellence in Science and Mathematics Teaching in 1986, Regional Awardee of the IBM Computer Teacher of the Year award in 1988, and a recipient of the 1999 Siemens Award for Advanced Placement in mathematics. He has reviewed materials for The Mathematics teacher, The American Statistician, and the Journal of the American Statistical Association, and writes a regular column for STATS magazine. He has served on the AP Statistics Test Development Committee (twice) and the Mathematics Standing Committee of NAEP, the National Assessment of Educational Progress exam (once).

Karen Kraemer is a retired chemistry biology teacher from Willmar Senior High School, Willmar MN. One of her specialties is helping teachers incorporate evolution and the nature of science in the curriculum. Karen provides a wealth of resources and has published several articles on this topic.
2010 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 4, 2010

7:00 PM - 9:00 PM  Evening Sessions    (See Program)

Friday, February 5, 2010

7:00 AM - 4:20 PM  Registration Open  Pre-Function Area
8:00 AM - 5:00 PM  Exhibits Open      Pre-Function Area
8:30 AM - 11:20 AM Morning Sessions   (See Program)
11:45 AM - 1:10 PM Friday Luncheon    Prairie Ballrooms
       (included in registration fee)
1:30 PM - 4:20 PM  Afternoon Sessions (See Program)
4:30 PM           SDCTM Business Meeting Dakota C
                 SDSTA Business Meeting Dakota G
6:30 PM           Friday Evening Banquet Prairie A, B, C
       (Cost is $20)

Saturday, February 6, 2010

7:00 AM - 11:20 AM Registration Open Pre-Function Area
7:00 AM - 8:00 AM  Breakfast Meeting Salon
       Presidential Awardees (Past & Present)
8:30 AM - 11:20 AM Morning Sessions   (See Program)
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)
4:00 PM           Joint SDCTM & SDSTA Boardroom
                 Executive Board Meeting
Conference Planner for THURSDAY, February 4, 2010
(This is for your use only.)

7:00 PM

Conference Planner for FRIDAY, February 5, 2010

Remember to visit the exhibits in the Lobby and Hallways of the Crossroads Hotel.

8:30 AM

9:30 AM

10:30 AM

12:00 AM     Friday Noon Luncheon in Prairie A, B, C

1:30 PM

2:30 PM

3:30 PM

4:30 PM     SDCTM BUSINESS MEETING in the Dakota C
            SDSTA BUSINESS MEETING in Dakota G

6:30 PM     Friday Night Banquet in Prairie Ballrooms A, B, C
            (Banquet Tickets Required-Cost is $20)
## Conference Planner for SATURDAY, February 6, 2010

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<th>8:30 AM</th>
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**12:00 Noon**  
Saturday Noon Luncheon in Crossroads Hotel—Prairie Ballrooms A, B, C  
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**4:00 PM**  
SDCTM & SDSTA JOINT BOARD MEETING in the Boardroom

Next year’s conference will be **February 3, 4, & 5, 2011**
Representatives will be exhibiting on Friday from 8:00 AM until 5:00 PM. These include:

- Big Ideas Learning-Math
- Connecting Point Computer Centers
- Heinemann Publishing
- Invent Now Kids/
  & Camp Invention & Club Invention
- It’s About Time-Herff Jones Education Div.
- Learning Power/TIE
- National Geographic School Publishing
- SD Health Career Connections Network
  & SD Healthcare Workforce Center
- SD Discovery Center (Pierre)
- SD GFP-Outdoor Campus West
- SD Public Broadcasting
- Texas Instruments
- US Army Corps of Engineers
- Whippourwill
- Wildlife Experiences, Inc.
- Zaner-Bloser-Language Arts & Reading Co.

Tim Doppler
Nola Redmond & Dave Lewis
Tim Doppler
Susan Z. Clarke
Kevin Schroeder
Mary Lou McGirr
Tim Doppler
Marie Steckleberg
Anne Lewis
Chad Tussing
Steven Rokusek
Tom Allen
Gene Bormann
Brenda Robertson
Maggie Engler & Julia Avison
Tim Doppler

*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 5, 2010

SD Council of Teachers of Mathematics Business Meeting will be held in Dakota C at 4:30 pm on Friday, February 5, 2010

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 7:00 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 3, 4, & 5, 2011**
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The 2010 Conference Committee would like to offer a Special Thanks to …

**Dakota Weslyan University and Rocky Von Eye** for handling the credit.

**Pepsi** for helping provide refreshments throughout the conference.

**Pearson-Prentice-Hall** 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.

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!**

Next year’s conference will be **February 3, 4, & 5, 2011.**

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**The 2010 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)** $40
- **TWO-day (SDCTM or SDSTA members)** $60
  
  Includes the Noon Luncheon for that day

- Non-members $70
- Students $15
- Non-members $90
- 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.
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.

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