



Wahpe Woyaka pi

(Talking Leaf)

South Dakota Council Teachers of Mathematics Newsletter

Presidential Ponderings

I hope the new year of 2005 brings you the best of health. I also hope you prosper in your career as well as your personal life. The best way to better yourself as an educator is to attend the **2005 SDCTM/SDSTA Joint Professional Development Conference** in Huron on February 3-5. If you have misplaced the flier you received in the mail, you can double-check all of the sessions and presenters on our website at sdctm.org. Dr. Rick Melmer is the featured speaker at the Friday Banquet.

Additional opportunities for professional development are the Department of Education workshops for the rollout of the South Dakota Mathematics Standards. Dates vary across the state, so you will need to check the SDCTM or DOE websites.

The next meeting of the SDCTM Executive Board will be on Friday in Huron at the Joint Professional Development Conference. If you have an item for the agenda, please let me know. Also, SDCTM Symposium VI will be held on Friday, August 6, 2005. We are still open for topics. If you have something that you believe we need to address in a workshop setting, please let me know this as well. holmstromc@sf.k12.sd.us

Again, Happy New Year and Happy New Semester to all. I wish everyone a productive and stress-free second half of the year. Despite the many challenges that lay ahead, we are still the best hope for the students of South Dakota. If we were a playoff football team, we would now huddle and yell, "One, two, three—DO MATH AND YOU CAN DO ANYTHING!!!"

Congratulations to Bon Homme High School for winning the SDCTM membership contest. A brand new TI-84 plus silver calculator with all of the trimmings will be presented to the Bon Homme High School math teachers at the Joint Professional Development Conference in February.

Chuck Holmstrom
SDCTM President

PAEMST News Brief

Know a Great 7-12 Math Teacher? Nominate him or her to receive the Presidential Teaching Award!

We're looking for outstanding 7-12 math teachers for the 2005 Presidential Awards for Excellence in Mathematics and Science Teaching. The awards are sponsored by the White House and administered by the National Science Foundation.

Every year up to 108 National Awardees each receive a \$10,000 award, a paid trip for two to Washington, DC to attend a week-long series of networking opportunities and recognition events, and a special citation signed by the President of the United States.

The program is now accepting nominations of 7-12 teacher for the nation's highest honor for mathematics and science teachers. Anyone can nominate a teacher. Teachers should submit completed application materials by May, 2005. **For more information, including nomination and application forms, please visit www.nsf.gov/pa or www.sdctm.org and click on the awards link.**

Winter 2005

Wahpe Woyaka pi

Inside this issue:

<i>PAEMST Nominations for 7-12 Teachers</i>	1
<i>SD DOE holds Roll-out Courses for Revised Math Standards</i>	2
<i>Jim Goehring Scholarship</i>	3
<i>SDCTM member teaches technology in Russia</i>	4
<i>NCTM responds to PISA report</i>	4
<i>SDCTM Application</i>	5
<i>SDCTM Contacts</i>	6

Calendar Notes:

- February 3-5, 2005
SDCTM/SDSTA
Conference in Huron
- PAEMST Applications
due May 2005
- August 2005 -
SDCTM Symposium



Revised Mathematics Content Standards Roll-Out Course

It's not too late to attend any of the three remaining professional development opportunities addressing the the South Dakota Math Standards.

In this course, classroom teachers will examine the new SD Mathematics Content Standards in the context of (1) best teacher practice, (2) engaging students in meaningful learning experiences and (3) providing strong support for all learners to reason and think mathematically. Participants will examine a framework for instructional practice that aligns standards to instruction, curriculum and assessment, and will engage in self-analysis and reflection to strengthen the quality and effectiveness of their work.

In this course, classroom teachers will examine the new SD Mathematics Content Standards...

Most of the instructors for this course are active, experienced classroom teachers who were involved in the revision of the Standards.

Dates and locations for the entire course series have been set.

Strand → Location ↓	Statistics	Number Sense	Algebra	Measurement	Geometry
Rapid City	November 1 <i>Ramkota</i>	January 10 <i>Ramkota</i>	February 7 <i>Rushmore Plaza</i>	March 7 <i>Rushmore Plaza</i>	April 4 <i>Rushmore Plaza</i>
Pierre/ Chamberlain	November 2 <i>Ramkota (P)</i>	January 11 <i>Holiday Inn Express & Kings' Inn (P)</i>	February 8 <i>Cedar Shores (C)</i>	March 8 <i>Cedar Shores (C)</i>	April 5 <i>Ramkota (P)</i>
Aberdeen	November 3 <i>Ramkota</i>	January 12 <i>Ramkota</i>	February 9 <i>Ramkota</i>	March 9 <i>Ramkota</i>	April 6 <i>Ramkota</i>
Sioux Falls	November 4 <i>Oaks</i>	January 13 <i>Oaks</i>	February 10 <i>Oaks</i>	March 10 <i>Ramkota</i>	April 7 <i>Oaks</i>

Credit for the rollout sessions has been approved.

Credit for the rollout sessions has been approved. You can earn one graduate credit based on attending the three remaining sessions.

Further information for the course, as well as registration, is available at www.southdakotapd.com

Questions may be directed to:

Anne Thompson
Math Curriculum Specialist
South Dakota Department of Education
Department of Technology, Curriculum and Assessment
700 Governor's Drive
Pierre, SD 57401
Email: anne.thompson@state.sd.us
Phone: (605) 773-3247 (desk)
(605) 280-1248 (cell)
(605) 773-3782 (fax)



“JIM GOEHRING SCHOLARSHIP FOR FUTURE LEADERS”

“The Jim Goehring Scholarship for Future Leaders” has been established to encourage new teachers of math and science to become professionally involved on the state level. The scholarship, which is good for a free one or two day registration at the Joint Conference of the South Dakota Council of Teachers of Mathematics and the South Dakota Science Teachers Association, is available to teachers who meet the following criteria:

- Is a K-12 teacher of math or science who is in their first year of teaching in SD
- belongs to SDCTM or SDSTA Applicants must pay their own dues to their chosen organization.

The application process is simple. It involves filling out the form below, getting it signed by your building principal, and mailing it to Steve Caron along with the regular conference registration form which is available at www.sdctm.org.

**APPLICATION
“JIM GOEHRING SCHOLARSHIP FOR FUTURE LEADERS”**

Name: _____

School District: _____

Teaching Assignment: _____

Membership Information:

_____ I am already a member of SDCTM SDSTA (Circle one or both)

_____ I would like to join SDCTM SDSTA (Circle one or both)

I am enclosing a check for

_____ \$5.00 for elementary per organization

_____ \$10.00 for Middle/High School per organization

<p>_____ is in his/her first year of teaching in SD at</p> <p>_____ School District during the 2003-2004 school year and is thus eligible for “The Jim Goehring Scholarship for Future Leaders.”</p> <p>Signed: _____, Building Principal</p>

The scholarship is good for a free one or two day registration at the Joint SDCTM/SDSTA Conference.



Rena Faye Norby, a SDCTM member, has her picture posted on the Department of Informatics web page: www.sgu.ru

SDCTM member teaches technology in Russia

It was suggested I might make a web page of my trip to Russia as a Fulbright lecturer so the council of teachers of mathematics can see what I'm doing here. My web page (I'm still adding new information) is <http://www.geocities.com/renafaye77/index.html>. The department of Informatics (computer technology for teachers) at the Pedagogical Institute (www.sgu.ru) recently put a picture of me on their web site. I don't know how long it will be posted and all the text is in Russian of course, but the picture is fairly straight forward.

Greetings from Saratov Russia,
Rena Faye Norby
(formerly at BHSU College of Education)

PISA Report Highlights Need for All U.S. Students To Receive an Equitable Education in Math

Reston, Va., December 7, 2004—The results of the 2003 Program for International Student Assessment (PISA) released today reinforce the importance of ensuring that students learn with real understanding so they can use their knowledge in life situations. The results also highlight the urgent need to address the achievement gap among groups of students, according to the National Council of Teachers of Mathematics (NCTM).

PISA results show that 15-year-olds in the United States performed lower on average than their counterparts in the participating countries in both math literacy and problem solving. "Since the National Council of Teachers of Mathematics released its first Standards in 1989, we have targeted problem solving as the number one goal of mathematics programs, and we have advocated for allowing all students the opportunity to learn high-level mathematics," said NCTM President Cathy Seeley. "Problem solving has long been recognized as a challenge for our adult population, and these results indicate that we aren't making as much progress in this area as we might hope," said Seeley.

The recent PISA assessment concentrated on the math literacy and problem-solving skills of 15-year-olds to measure their knowledge in the context of everyday situations. The information gathered from PISA 2003 supports the Council's philosophy that students who learn mathematics with understanding are better able to solve problems that they have not encountered previously but will face in real-life situations outside the classroom. The PISA results call for a stronger connection between problem solving and real-life situations.

The National Council of Teachers of Mathematics is a public voice of mathematics education, providing vision, leadership, and professional development to support teachers in ensuring mathematics learning of the highest quality for all students. With 100,000 members and 250 Affiliates, NCTM is the world's largest organization dedicated to improving mathematics education in prekindergarten through grade 12.

Contact: Gay Dillin,
Media Relations Manager,
(703) 620-9840 ext. 2189,
gdillin@nctm.org.



Membership Application Form

Mail with check payable to SDCTM to:

Diana McCann
41876 Apple Tree Road
Springfield, SD 57062

Name _____

School Name _____

Subjects or Grades Taught _____

Addresses

Home _____

School _____

Mailing Address: _____ Home _____ School

Home Phone _____

School Phone _____

Fax Number _____

E-mail _____

Membership categories (Check only one)

_____ Elementary School \$5.00

_____ Middle School \$10.00

_____ Junior High School \$10.00

_____ High School \$10.00

_____ Post Secondary \$10.00

_____ Retired \$5.00

_____ Student \$3.00



SDCTM Newsletter
c/o Sheila McQuade
2105 Melanie Lane
Sioux Falls, SD 57103



www.sdctm.org

2004-2006 SDCTM Executive Board Members

SDCTM President
Chuck Holmstrom,
Sioux Falls Roosevelt
(605) 361 - 5154
holmstromc@sf.k12.sd.us

Vice-President
Steve Caron,
Aberdeen Central High School
(605) 725-7900
steve.caron@aberndeen.k12.sd.us

NCTM Representative
Craig Sherman,
Yankton High School
(605) 665 - 7182
csherman@ysd.k12.sd.us

SDCTM Past President
Jean Gomer,
Deubrook High School
(605) 629 - 1101
jean.gomer@k12.sd.us

Secretary
Ellie Cooch,
Spearfish Middle School
(605) 717 - 1215
ecooch@spearfish.k12.sd.us

Webmaster
Cindy Kroon,
Montrose High School
(605) 363 - 5025
webmaster@sdctm.org

President-Elect
Bill Gripentrog,
Watertown High School
(605) 882 - 6316 ext. 721
gripentw@wtn.k12.sd.us

Treasurer
Diana McCann,
Bon Homme School
(605) 589 - 3387
dm57062@valyou.net

Newsletter Editor
Sheila McQuade
Sioux Falls O'Gorman High
(605) 336 - 3644
smcquade2@sfcss.org