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<http://education.nmsu.edu/nmctm>

## President's Corner

It's that time of year again – the leaves are falling, the air is chilling, and school has started – okay, at least school has started! I hope that you had a restful and enjoyable summer and that you're now refreshed for the new school year AND the annual joint conference of NMCTM and NMSTA in Albuquerque on November 10-12, 2004.

This year's conference will take place at the Holiday Inn, Mountain View located at Menaul & University (just northeast of the Big I). Like last year's conference, there are a variety of interesting presentations and exciting events planned.

The conference kicks off with a number of outstanding workshops on Wednesday the 10<sup>th</sup>. Then on Veteran's Day, November 11<sup>th</sup> at 8:30 AM, Dr. Rick Scott and Dr. Greg Cajete kick off the professional presentations with their keynote speaker presentations. As the NMCTM keynote speaker, Dr. Scott will reflect on his career in mathematics education in New Mexico that has spanned over many productive years. Over the course of Thursday the 11<sup>th</sup> and Friday the 12<sup>th</sup>, there will be 110 professional presentations, including one entitled "What Do Effective Teachers of Mathematics

with Latinos Do?" by the nationally eminent scholar Lena Licón Khisty from the University of Illinois at Chicago. In addition, renowned Latin American scholars Dr. Angel Ruiz and Dr. Eduardo Mancera Martinez from Costa Rica and Mexico will be making presentations.

I encourage you to start planning now to attend and even present at the fall 2004 conference. Like the fall 2003 conference, teachers, mathematics educators, educational leaders, and exhibitors from across the state and nation are being invited to attend and present at the 2004 conference. The registration form for the conference can be found in this newsletter. Please consider attending the NMCTM breakfast that will take place on Friday morning, November 12<sup>th</sup> at 8:30 AM. The exact location of the breakfast will appear in the conference program. I'd like to encourage you to take advantage of the pre-conference registration fee by registering by

October 15<sup>th</sup>. If you are going to need lodging for the conference, you can make your reservations as soon as possible at the Holiday Inn Mountain View (1-800-465-4329 or 505-884-2511) or at LeBaron Courtyard (2120 Menaul Blvd, 505-884-0250). If you stay at the Holiday Inn Mountain View, mention that you will be attending the joint conference of NMSTA/NMCTM/EEANM. For additional information and to find the presenter's form, go to the NMCTM web site at <http://education.nmsu.edu/~nmctm/news/>.

By registering to attend the fall conference, you automatically become a member of NMCTM. Please continue to encourage your colleagues and friends to join NMCTM and attend this year's fall conference. New members of NMCTM are automatically added to our listserv. The listserv is proving to be an effective way to stay in contact with other teachers of mathematics throughout the state and to be informed about what is going on in mathematics education in New Mexico.

Look forward to seeing you in Albuquerque on November 10-12!

Respectfully Yours,  
Dr. Rick Kitchen, President

**Annual Fall Conference & Pre-Conference Professional Training**  
**Making Connections: Higher Expectations for Math, Science and Environmental Education**  
**New Mexico Council of Teachers of Mathematics/ New Mexico Science Teachers Association/Environmental Education**  
**Association of New Mexico**  
**November 10-12, 2004**  
**Holiday Inn, Mountain View, Albuquerque, at Menaul and University**



**Individual Registration**

(Please print or type; retain a copy of this form and schedule for your records)

Name \_\_\_\_\_ School \_\_\_\_\_  
 Home Address \_\_\_\_\_ District \_\_\_\_\_  
 City/State/Zip \_\_\_\_\_ E-Mail \_\_\_\_\_  
 Home Phone \_\_\_\_\_ School Phone \_\_\_\_\_  
 Grade Level \_\_\_\_\_ Subjects Taught \_\_\_\_\_

**Pre-Conference Professional Development Sessions (Wednesday, Nov.10)**

- I will attend PLT's Energy and Society ([dthrall@unm.edu](mailto:dthrall@unm.edu))  
 I will attend Project WET's WOW! Wonders of Wetlands ([bswain@nmsu.edu](mailto:bswain@nmsu.edu)) (\$40 material/curriculum/refreshments)  
 I will attend State Engineer/WET, Discover the Rio Grande/Rio Bravo ([cvogel@ose.state.nm.us](mailto:cvogel@ose.state.nm.us))  
 I will attend Project WILD ([kholladay@state.nm.us](mailto:kholladay@state.nm.us))  
 I will attend WERC/American Groundwater Trust, Groundwater Institute for Teachers ([bswain@nmsu.edu](mailto:bswain@nmsu.edu))  
 I will attend NM State Standards Review, Richard Reif ([rreif@ped.state.nm.us](mailto:rreif@ped.state.nm.us))  
 I will attend Lesson Study Conference (8am-4pm), Lisa Snow ([lisnow@nmsu.edu](mailto:lisnow@nmsu.edu))  
 I will attend EPSCOR ([vperry@nmt.edu](mailto:vperry@nmt.edu)) (\$15 meal – pay this directly to instructor – not to the conference)  
 I will attend NM Public Education Department Math CRT Technical Assistance (9am -4pm)  
([cahlstrom@ped.state.nm.us](mailto:cahlstrom@ped.state.nm.us))

*Participants will receive separate confirmation for the pre-conference sessions.*

**Regular Conference Registration (Thursday and Friday, Nov. 11-12)**

Individual Registration (professional)	\$50.00	\$ _____
(Includes 1-year memberships in NMCTM, NMSTA, & EEANM)		
Student Registration	\$25.00	
Late/On site registration (received after 10/15/04)	\$60.00	\$ _____
WOW! Wonders of Wetlands	\$40.00	\$ _____
<b>MEALS</b>		
Thursday noon: Luncheon	\$15.00	\$ _____
Friday noon: Box Lunch with Exhibitors	\$ 5.00	\$ _____
Friday: Annual NMCTM/NMSTA/EEANM breakfast	\$12.00	\$ _____
<b>Off-site Field Study Tours - 23 person limit</b>		
Thursday 1-5: Petroglyph National Park/ABQ Open Space	\$12.00	\$ _____
Friday 1-5: New Mexico Museum of Natural History	\$12.00	\$ _____
Friday 1- 5: Albuquerque BioPark- Rio Grande Zoo.	\$12.00	\$ _____

**Total PAID by enclosed check/money order/purchase order** **\$ \_\_\_\_\_ TOTAL**

Make checks payable to NMSTA/NMCTM/EEANM NOTE: P.O. Number \_\_\_\_\_

Please retain a copy for your records and return this form (with payment or Purchase Order) by October 15, 2004 to:

NMSTA/NMCTM/EEANM  
 Making Connections  
 P.O. Box 30304  
 Albuquerque, NM 87190

**For further information contact Mary Williams – [mwilliams205@comcast.net](mailto:mwilliams205@comcast.net) or 505-344-2778.**

**\*Please note:** For conference scholarship information contact Deb Thrall at 505-277-0718 or [dthrall@unm.edu](mailto:dthrall@unm.edu).

**Hotel information:** Please make your own reservations ASAP. Rooms are on reserve for the conference at Holiday Inn Mountain View, Albuquerque, at Menaul and University. To make reservations call 1-800-465-4329 or 505-884-2511.

**Some descriptions of Pre-Conference Professional Development Sessions (Wednesday, Nov.10)**

**PLT's Energy & Society - (9 am – 12 pm)** - Project Learning Tree® (PLT) is an award winning, broad-based environmental education program for educators and students in PreK - grade 12. PLT helps students learn HOW to think, not WHAT to think, about the environment. PLT, a program of the American Forest Foundation, is one of the most widely used environmental education programs in the United States and abroad. PLT materials bring the environment into the classroom and students into the environment. The program covers topics ranging from forests, wildlife, and water, to community planning, waste management and energy.

PLT's Energy & Society program provides formal and non-formal educators with tools and activities to help students in grades PreK-8 learn about their relationship with energy and investigate the environmental issues related to energy's role in society. Energy & Society helps students develop critical thinking skills to make decisions about their personal energy use. In addition to hands-on activities, Energy & Society integrates music and dance to enhance the study of energy issues.

**WOW! The Wonders of Wetlands: (9 am-4 pm)** - In this hands-on workshop, you will be introduced to *WOW!: The Wonders of Wetlands*, an instructional guide for educators with a resourceful and creative collection of wetland activities, information and ideas. The guide includes over 50 hands-on, multidisciplinary activities for grades K-12 in lesson plan format, each correlated to national science education standards. Recommended by the National Science Teachers' Association, WOW! has been called, "the most comprehensive introduction to wetland issues and definitions" by the North American Association for Environmental Education (NAAEE). The workshop fee (\$40) includes a copy of WOW!, materials, and tons of fun activities and ideas.

**Discover A Watershed: Rio Grande/Rio Bravo Workshop: (1 - 4 pm)** - The Discover A Watershed: Rio Grande/Rio Bravo will be a hands-on workshop for junior high and high school teachers held at the Albuquerque Aquarium/Botanical Garden Education Center. This versatile curriculum uses an interdisciplinary approach to teaching understanding and social responsibility for protecting our unique environment. The vast amount of material includes biology, geology, hydrology, history, culture, and more. The Shark Reef Café and snack shops are available on-site for lunch.

**Project WILD- (8 am – 4 pm)** - Project WILD is an interdisciplinary environmental education program emphasizing wildlife. This free workshop is designed for educators K-12. Project WILD capitalizes on the natural interest children and adults have in wildlife by providing hands-on activities that enhance student learning in all subject and skill areas. Workshop is practical, interactive and inquiry based. Learn effective methods for teaching language arts, math and science incorporating wildlife.

**Ground Water Institute for Teachers™ (8:30am to 4:00pm)** - This American Ground Water Trust training program will focus on ground water science and water resource issues. Over 700 teachers throughout the U.S. have completed this program. Our Institutes get teachers excited and focused. Subjects include: ground water quality, aquifer protection strategies, assessing aquifer potential, maintaining spring flows, aquifer simulation models, well drilling etc. We provide practical examples of applied science used every day by water professionals that can be integrated into existing curriculum such as geology, physics, chemistry, math, biology and civics. The Institute experience enables teachers with limited earth science background to feel comfortable with ground water concepts. All participants receive a \$50+ value handout package. Lunch provided. Full program details at [www.agwt.org](http://www.agwt.org) (click on Institutes, then New Mexico).

**New Mexico State Science Standards Review: (3 pm – 5 pm)** - Update from the Public Education Department and open discussion regarding inquiry teaching, standards implementation, curriculum, and the new NM criterion referenced assessments. A framework for standards implementation will be presented and discussed. The session will provide an open forum for discussing issues facing science education at all levels in NM.

**Lesson Study Conference: (8am-4pm)** - One of the most powerful things about Lesson Study is the sharing of what we learn about student thinking and the practice of teaching mathematics with the larger teaching community. The Lesson Study Conference is an opportunity for teachers around the state to share their research lessons they have conducted in their classrooms. For those who are presenting their action research for the first time, guidelines can be found on the MathStar website (<http://mathstar.nmsu.edu>). Contact Lisa Snow, [lissnow@nmsu.edu](mailto:lissnow@nmsu.edu), for details.

**New Mexico EPSCoR Nanoscience/Hydrology Initiative Outreach Education Poster Presentation and Exploration of Current Research and Development (8 am – 3 pm)** - Explore the exciting world of nanotechnology and hydrology research and development and their applications and implications in New Mexico! Here is what is available for you at this pre-conference workshop: current nanotechnology and hydrology applications in research and development; secondary curriculum and lesson modules in nanoscience; secondary, undergraduate and graduate student research and engineering design projects; Nano/hydro cross-disciplinary research and Research and education opportunities in nanoscience and hydrology for teachers and their students. Workshop will include poster presentations, scientific and engineering demonstrations in nanotechnology and hydrology, and a keynote speaker who will WOW you with latest in nanotechnology breakthroughs and the ethics/human impacts of this exciting field of science and engineering.

**Connecting Assessments, Standards & Instruction to Promote Student Learning (9 am – 3 pm)**

This workshop will focus on the alignment of the state assessments, the math standards and classroom instruction to promote student achievement. Participants will engage in several tasks at various grade levels and align the tasks to the math standards. The participants will have a better understanding of the state assessments and how to align their instruction to improve student achievement.

**New Mexico Council of Teachers of Mathematics Application Form\***

Name: \_\_\_\_\_ School: \_\_\_\_\_

Address: \_\_\_\_\_ Position: \_\_\_\_\_  
(i.e., 3<sup>rd</sup> grade teacher)

City/State/Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

**Make checks payable to the New Mexico Council for Teachers of Mathematics.**

\*or download our membership form from our website at <http://education.nmsu.edu/nmctm>  
Mail in your membership dues (only \$10) to Sheila Hills, P.O. Box 567, Fairacres, NM 88033,  
For more information contact Sheila Hills by email: [sshills@nmsu.edu](mailto:sshills@nmsu.edu).

## Mathematics Education Websites

### NMCTM

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University of NM  
MCS05 3040  
Hokona Hall-Zuni  
Room 252  
Albuquerque, NM  
87131

PHONE:  
(505) 277-7753

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kitchen@unm.edu

**Thank you to  
everyone who  
provided  
information for  
this newsletter!**

### *We're on the Web!*

See us at:  
<http://education.nmsu.edu/nmctm>

Comments, announcements,  
and interesting news about  
mathematics education  
should be sent to Sheila Hills  
at [sshills@nmsu.edu](mailto:sshills@nmsu.edu) for  
posting.

**NMCTM** website:  
<http://education.nmsu.edu/nmctm>  
Comments, announcements,  
and interesting news about  
mathematics education should  
be sent to Sheila Hills at  
[sshills@nmsu.edu](mailto:sshills@nmsu.edu) for posting.

**Teach New Mexico** website  
provides current information  
on teaching in New Mexico -  
3-tiered Licensure, federal  
requirements for being a  
highly qualified teacher and  
educational assistance, and  
professional licensure  
information.  
<http://teachnm.org>

### Join NMCTM and become a part of the NM Math Community!

The New Mexico Council of  
Teachers of Mathematics is a  
professional organization  
designed to improve  
mathematics education in the  
Land of Enchantment. The  
membership includes  
teachers, parents,  
administrators, college  
instructors, and anyone  
interested in math education.  
The purpose of our New  
Mexico Affiliate of the  
National Council of  
Teachers of Mathematics is  
to develop and build our

**NCTM** website:  
<http://nctm.org> includes the  
NCTM Webnews, Illumina-  
tions, and many additional  
resources to support mathe-  
matics education. NCTM  
2004-2005 professional devel-  
opment focus of the year will  
be "Developing Algebraic  
Thinking: A Journey from  
Preschool to High School."

**The Abacus** provides  
historical information about  
the ancient calculator.  
Guides for teachers and  
information about the abacus  
in different cultures are  
highlighted.  
[www.ee.rverson.ca/~elf/abacus](http://www.ee.rverson.ca/~elf/abacus)

capacity to teach and learn  
mathematics and to address  
issues in mathematics.

To be able to offer a high  
quality conference and to  
impact the quality of  
mathematics education in  
our beautiful state, we need  
the help and support of our  
members. You can help by  
recruiting a colleague to join  
NMCTM (membership form  
is attached to this  
newsletter), mail in your  
membership dues (only \$10)

**State Department** website:  
<http://sde.state.nm.us/cilt>  
will keep you informed and  
up-to-date about  
assessments, grants,  
workshops, and math  
resources. Math Consultant  
contact: Claudia Ahlstrom,  
[ahlstrom@ped.state.nm.us](mailto:ahlstrom@ped.state.nm.us)

**Celebrate Metric Week!**  
National Metric Week is the week  
of October 10-16 (the 10<sup>th</sup> month  
of the year and the week  
containing the 10<sup>th</sup> day). **For ideas  
visit:** *U.S. Metric Association,*  
[amar.colostate.edu/~hillger/ideas.htm](http://amar.colostate.edu/~hillger/ideas.htm)  
and *Mini Metric Olympics,*  
[www.aimsedu.org/activities/mini-  
metrics.pdf](http://www.aimsedu.org/activities/mini-metrics.pdf).

to Sheila Hills, P.O. Box 567,  
Fairacres, NM 88033.

If you've moved, please fill  
out the membership form in  
this newsletter with your new  
contact information and mail  
it to Sheila Hills with your  
\$10 dues.

We invite you to become a  
part of the New Mexico  
mathematical community!

### NMCTM

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Hokona Hall-Zuni Room 252  
Albuquerque, NM 87131

LABEL