

Meeting materials from the 2009 Section Meeting, held April 3-4 at WNMU (Silver City, NM).
Originally posted at

<http://oak.ucc.nau.edu/hagood/MAASW/SWSection.htm>



SOUTHWESTERN SECTION



of the

Mathematical Association of America

Spring 2009 Meeting Southwestern Section

April 3-4, 2009

Silver City, NM

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Features:

Preliminary Schedule of Presentations

Keynote Speaker: Dan Teague, North Carolina School of Science and
Mathematics

MAA Polya Lecturer: Lou Kauffman, University of Illinois at Chicago

Friday Night Banquet

Saturday afternoon workshop: *Incorporating Mathematical Modeling
into the High School*, Dan Teague

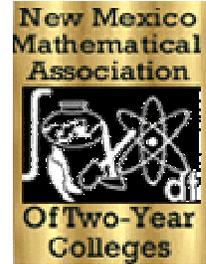
Sessions on mathematics and teaching mathematics from school
mathematics through graduate level mathematics

Send questions or comments to [webmaster](#).

Last updated 11 March 2009.



**NMMATYC 20th Annual Conference
and
MAA Southwestern Section Annual Conference
April 3 – 4, 2009
Western New Mexico University
Silver City, NM
(Post Conference Workshop, Saturday April 4)**



Participant Registration Form

Please complete this form and send it to:

Dr. Tom Gruszka
Department of Mathematics and Computer Science
Western New Mexico University
PO Box 680
Silver City, NM 88062
FAX: 575-538-6710
tpeter@cs.wnmu.edu

I. Participant Contact Information:

Name: _____
Address: _____
City/State/Zip: _____
Phone: _____
Fax: _____
Personal Email: _____

II. Participant Institution Information:

Institution Name: _____
Address: _____
City/State/Zip: _____
Phone: _____
Fax: _____
Institution Email: _____

III. Preferred address for correspondence (please check one): Home Institution

IV. Participant Associations (check all that apply):

- MAA member NMMATYC member AMATYC member
 Faculty member for college or university:
 Highest degree offered by Institution: Associate Bachelors Masters Ph.D.
 High school teacher Undergraduate student Graduate student Post Graduate student
 Business, Industry, Government
 Other (please specify): _____

V. Teaching Experience (if applicable):

Number of years of teaching experience: _____ years (full-time) _____ years (part-time)

VI. Is this your first NMMATYC conference? Yes No

VII. Is this your first MAA Southwestern Section conference? Yes No

If you belong to both MAA and NMMATYC, fill out only one side below:

I. MAA Member or Other Participant:

Registration: (before March 15) \$ _____
\$50: MAA/NMMATYC Conference (will include NMMATYC membership for 2009-2010)
\$40: MAA/NMMATYC Conference (will NOT include NMMATYC membership for 2009-2010)
\$20: students
\$20: retired professors

Late Registration: (after March 15) \$ _____
\$60: MAA/NMMATYC Conference (will include NMMATYC membership for 2009-2010)
\$50: MAA/NMMATYC Conference (will NOT include NMMATYC membership for 2009-2010)
\$20: students
\$20: retired professors

II. NMMATYC Member:

Registration: (before March 15) \$ _____
\$50: MAA/NMMATYC Conference
\$40: MAA/NMMATYC Conference for NMMATYC Lifetime members
\$140: MAA/NMMATYC Conference (will include a NMMATYC Lifetime Membership)
\$20: students
\$20: retired professors

Late Registration: (after March 15) \$ _____
\$60: MAA/NMMATYC Conference
\$50: MAA/NMMATYC Conference for NMMATYC Lifetime members
\$150: MAA/NMMATYC Conference (will include a NMMATYC Lifetime Membership)
\$20: students
\$20: retired professors

Note: Meals (Friday continental breakfast, lunch, and banquet, and Saturday continental breakfast) are included in Conference registration.

III. Guests:

Guest Ticket for Friday Lunch: \$5 per guest \$ _____

Guest Ticket for Friday Banquet: \$20 per guest \$ _____

IV. Post-Conference Workshop (Saturday, April 4th):

Non-student: \$15 \$ _____

Student: \$5 \$ _____

V. Total Enclosed: \$ _____

-----PAYMENT INFORMATION:-----

Payment, including Money Orders, must be included with Registration Form

- Check (Payable to WNMU; A \$30 fee will be assessed for all returned checks.)
- Money Order
- Purchase Order # _____ (Purchase Order must indicate registrant's name.)
(There will be no refunds)

Special Needs*: If you have any special needs that require assistance to fully participate in this conference, please specify below:

- Vegetarian or special diet
- Wheelchair accessible desk/table
- I will need transportation from the hotel
- Other (Please specify) _____

***We will do our best to accommodate your needs, but cannot make any guarantees for requests received after March 30.**

Note: Even if your institution will be making the payment, please complete and submit a form for each participant.



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Western New Mexico University
Silver City, NM**



Vendor Registration Form

Name _____

Company _____

Address _____

Business Phone _____ Fax _____

E-mail Address _____

Registration Fees

Vendor Fee: \$100 prior to March 15, 2009; \$125 after March 15, 2009 \$ _____

Commercial Presentation Fee: \$100 prior to March 15; \$125 after March 15, 2009 \$ _____

(Vendor fee includes one booth all day Friday and half day Saturday, one ticket to Friday lunch and one ticket to Friday evening banquet.)

Guest Fee: _____ guest(s) @ \$25 per guest \$ _____

Guest fee includes one ticket to Friday lunch and one ticket to Friday evening banquet.

TOTAL MONEY INCLUDED (make check payable to WNMU) \$ _____

YES, my company would like to support the MAA/NMMATYC conference by

- _____ providing snacks and/or drinks during the session breaks
- _____ sponsoring the Friday or Saturday morning continental breakfast
- _____ providing Friday or Saturday afternoon lunch
- _____ donating door prizes for the Friday evening banquet
- _____ other (please specify): _____

Send Registration Form to: Tom Gruszka, Department of Mathematics and Computer Science, WNMU, PO Box 680, Silver City, NM 88062; PH: 575-538-6102; FAX: 575-538-6710; e-mail: tpeter@cs.wnmu.edu

MAA/NMMATYC Conference Accommodations

Holiday Inn Express

1103 Superior
Silver City, NM 88061
Phone 575-538-2525 **OR** 1-800-Holiday
****20 rooms 'blocked for MAA" Ask for Math Conference
Cost will be \$85.95 including tax.

Palace Hotel (quaint, downtown hotel)

www.zianet.com/palacehotel/coupon.html
2 rooms reserved on side of building away from Buffalo Bar.
Rates from; \$48-\$79 depending on room amenities.
Phone 575-388-1811

Comfort Inn

1060 E. US Hwy 180
Silver City, NM 88061
Phone 575-534-1883
Fax 575-534-0778
www.choicehotels.com/ires/en-US look for Silver City
Government Rate: (must show business card or work ID) \$70

Silver City Super 8 Motel

1040 E. Hw. 180
Silver City, NM 88061
575-388-1983
Rates: \$54.99 plus tax

Copper Manor Motel

710 Silver Heights Blvd
Silver City, NM 88061
Phone 575-538-5392
Rates: \$45 plus tax = \$50.51 total

EconoLodge

1120 Hwy 180 E
Silver City, NM 88061
Phone 575-534-1111 or 1-800-553-2666
Government Rate: must show Gov't/University ID (1 person \$80: 2 persons-\$87)
www.econolodgesilvercity.com

Time	Event/Presentation	Location	Presider
Friday Morning			
8:00 am - noon	Registration, Vendor Exhibits	GRC Foyer	
8:00 am - 9:00 am	Continental Breakfast	GRC Foyer	
8:45 am - 9:00 am	Welcoming Remarks	GRC Auditorium	
9:00 am - noon	NM Mathematics Articulation Meeting	SMB Meeting Room	
9:00 am - 10:00 am	Steve Kevisky, Middlesex CC, "It Was 50 Years Ago Today: A Statistical Analysis of the 1959 Baseball Season!"	GRC Room ABC	Edith Aguirre, EPCC
9:00 am - 10:00 am	Lynette Wedig, NMSU-A & Bette Berry, NMSU-A, "Success Creates Success"	SMB Seminar Room	Carmen Thompson, EPCC
10:00 am - 11:00 am	Ali M. Ahmad, DACC, "What Do We Need to Know About Developing Our Teaching Portfolio?"	GRC Room ABC	Edith Aguirre, EPCC
10:00 am - 11:00 am	Anne Dudley, Glendale CC & David Dudley, Scottsdale CC, "Building a Better Linear Algebra Experience"	SMB Seminar Room	Carmen Thompson, EPCC
11:00 am - 11:30 am	Moysey Brio, UA, Casey Irvine, UA, & Carlos Chiquette, UA, "Overview of Undergraduate Research Assistantship (UTA) and VIGRE Summer Programs in Mathematics at the University of Arizona"	GRC Room ABC	Khaled Kassem, UNM-Valencia
11:00 am - 11:30 am	Kitty Berver, NMSU, "Project MESH: Online Courses Combining Mathematics and Science"	SMB Seminar Room	Carmen Thompson, EPCC
11:30 am - noon	Diana Orrantia, EPCC, "Emporium Pilot using ALEKS"	GRC Room ABC	Khaled Kassem, UNM-Valencia
11:30 am - noon	Ali M. Ahmad, DACC, "Factoring $ax^2 + bx + c$ "	SMB Seminar Room	Carmen Thompson, EPCC
Friday Midday			
noon - 1:00 pm	Lunch	SMB Cafeteria (2nd floor), Sunset Room	

4:00 pm - 5:00 pm	Matthias Kawski, ASU, "Interactive Visualization Connects Complex Analysis to Vector Calculus and Differential Equations"	SMB Meeting Room	Joanne Peeples, EPCC
5:00 pm - 6:00 pm	MAA Southwestern Section Business Meeting	GRC Room D	
Friday Evening			
6:30 pm - 9:00 pm	Banquet, Dinner Talk: Dan Teague, "The Residue of Mathematics", and Awards	SMB, Third Floor Corridor	
Saturday Morning			
8:00 am - noon	Registration, Vendor Exhibits	GRC Foyer	
8:00 am - 9:00 am	Continental Breakfast	GRC Foyer	
8:00 am - 9:00 am	NMMATYC Business Meeting	GRC Room D	
8:30 am - 9:00 am	Sinnathamby Pankayatselvan, DACC, "Project-based Learning"	GRC Room ABC	Diana Orrantia, EPCC
9:00 am - 9:30 am	Jessica Reyes, UTEP, "Huffman Coding"	GRC Room ABC	Diana Orrantia, EPCC
9:00 am - 10:00 am	Ron Dassanayake, CNM, "A Systematic and Comprehensive Approach to Teaching Problem Solving in Algebra"	SMB Seminar Room	DeAnne Miller, WNMU
9:30 am - 10:00 am	Christin Bibby, NAU & Ian Williams, NAU, "Matroids and Hyperplane Arrangements"	GRC Room ABC	Diana Orrantia, EPCC
10:00 am - 11:00 am	Kerry McKee, NMSU & Annie Selden, NMSU, "Understanding and Constructing Proofs, A Design Experiment"	GRC Room ABC	Tom Gruszka, WNMU
10:00 am - 11:00 am	Alan Mabry, DACC, "Using the R Environment in Introductory Statistics Courses"	SMB Seminar Room	DeAnne Miller, WNMU
10:00 am - 10:30 am	Jeff Rushall, NAU & Kurt Herzinger, US Air Force Academy, "What Did We Do In Class that Day? An In-class Solution to an Out-of-class Problem"	GRC Room 101	Al Arasteh, WNMU
11:00 am - noon	Polya Lecturer: Lou Kauffman, University of Illinois at Chicago, "Hard Unknots and DNA"	GRC Auditorium	Tom Gruszka, WNMU
Saturday Midday			
noon - 1:30 pm	Lunch (on your own)		

Saturday Afternoon				
1:30 pm - 4:00 pm		Post-Conference Workshop: "Mathematical Modeling in the High School Curriculum," facilitated by Dan Teague, North Carolina School of Science and Mathematics	GRC Room 101	