MAA-COLOMATYC-CCTM CONTRIBUTED SESSION SCHEDULE

Friday, 21 April

	Pre-Calculus Curriculum Reform Moderator: Ernest "Bud" Allen ROOM 105	Student Session Moderator: Gil Orr ROOM 127	MAA Session Moderator: Roger Johnson ROOM 126	COLOMATYC /MAA Session Moderator: Gwen Wiley ROOM 108	CO)
2:15 2:30	Quantitative Literacy: Mathematics for Citizenship in the 21st Century William L. Briggs, CU-Denver Jeff Bennett, CU-Boulder	An Investigation Into the Invertibility of a Special Kind of Matrix Victor Meyers, USC	Stability in Nonlinear Delay - Differential Equations Jim Louisell, USC	Teaching L-Grammars in Discrete Mathematics Ernest J. Cisneros, Metro	TOPI Propo to the
2:35 2:50 2:55 3:10	Motivational Teaching Techniques Involving Connections Between Mathematics and Art Ray Tennant, USC College Algebra in Context: Implementing Algebra Reform at a University Ken Klopfenstein, CSU	Whales and Krill: A Study in Volterra's Predator-Prey Equations Jessica Flint, Colorado College On Finitely Generated Principal Ideal Domains Stephen Tempest Aldrich, USC	Filtering with the Fast Fourier Transform William D. Emerson, Metro Testing Nonlinear Regression Models Using Cubic Spline Smoothing Rianto A. Djojosugito, SDSMT	Industrial Problems as a Soul for the Body of Undergraduate Mathematics: Examples from Orbit Transfer Optimization and Medical Imaging Bruce Lundberg, USC A Simplified Sperner's Lemma Steve Leth, UNC	
	Darel Hardy, CSU Student Session Moderator: Steve Bronn ROOM 105	Student Session Continuation	MAA Session Continuation	COLOMATYC /MAA Session Continuation	<u> </u>
3:25 3:40	Explicit formulas for the sums of powers of integers, Bernoulli and Euler Polynomials, and other combinatorial functions Carl Robert Gibbons, DU	Schroder-Bernstein Groups Dana Cortez, USC	Denseness of the Generalized Eigenvectors of a Discrete Operator in a Banach Space Janet Burgoyne, SDSMT	Data Analysis in an Introductory Statistics Course Patrick Enright, Arapahoe Community College	
3:45 4:00	Back in the Saddle Again? Tina Drummond, USC	Non-Standard Dice Barry Balof, Colorado College	Introduction to Elliptic Curve Cryptography Pete Morris, University of Wyoming		

Saturday, 22 April

	Student Session Moderator: Tom Kelley ROOM 125	MAA Session Moderator: Roger Johnson ROOM 126	COLOMATYC/MAA Session Moderator: Paul Chacon ROOM 108	CCTM Elementary School Session ROOM 109	CCTM Middle School Session ROOM 127	
10:10 10:25	Application of Gambler's Ruin Paul Vercler, Metro	A Visual Representation of the Classification Theorem for 2-D Surfaces Tensia Soto-Johnson, UNC/USC Lara Schmidt, UNC	Some Approaches to Teaching Calculus II Patricia Hauss, Arapahoe Community College Jeff Berg, Arapahoe Community College	Games for Elementary Motivation Nancy Swartz, Manzanola ES	Five Years of Middle School Projects: From Development Through Presentation and Assessment Joe Modica, Hoehne MS	Integ Puel Seve Pat I Care Don
10:30 10:45	Super Secret Spy Kit Rhainnie Sellman, USC	Four the Hard Way Lestlie E. Shader, University of Wyoming				
10:50 	Decomposition of Regression Models Kenneth Amend, Metro Christopher Gutierrez, Metro Gretchen Kulver, Metro	Calculation of Three Dimensions Mary Hughes Treder, University of Wyoming	Experiences Using Portfolios in a Calculus III Class Karen Whitehead, SDSMT		Skymath Project Bev Lynds, University Corporation for Atmospheric Research	
11:10 11:25		Using Global Optimization to Discover Icosahedral Structures Jerry Shultz, Metro	Introduction and Use of Rubrics in a University Mathematics Course A. Rose Shaw, Education and Business Consultant Patricia R. Velicky, UNC			-
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2:30 MAA MINICOURSE: Teaching Environmental Numeracy to Undergraduates 4:30 Martin Walter University of Colorado, Boulder	2:30 - 3:30	School-wide Problem Solving and Communication Assessment Patti Capps, Montview ES	School Works at Pueblo Roncalli Carole Partin, Roncalli MS	Insti Kiri Ea Car Str
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ques Involving atics and Art	Whales and Krill: A Study in Volterra's Predator-Prey Equations Jessica Flint, Colorado College	Filtering with the Fast Fourier Transform William D. Emerson, Metro	Industrial Problems as a Soul for the Body of Undergraduate Mathematics: Examples from Orbit Transfer Optimization and Medical Imaging Bruce Lundberg, USC	
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Models	Leslie E. Shader, University of Wyoming Calculation of Three Dimensions	Experiences Using Portfolios in			Skymath Project	
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OURSE:	Teaching Environment to Undergradu Martin Walt	uates	2:30	Implementing an Elementary School-wide Problem Solving and Communication Assessment Patti Capps, Montview ES	The Four Period Day in Middle School Works at Pueblo Roncalli Carole Partin, Roncalli MS	Interactive Video in Math Instruction, Now!!! Kirk Brittain, East Central BOCES

3:30

Carrie Shellenberger, Strasburg Schools

Martin Walter University of Colorado, Boulder

MAA-COLOMATYC-CCTM Joint Meeting University of Southern Colorado April 21-22, 1995

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Friday, 21 April

10:30-12:45	MAA Executive Committee Meeting, Occhiato Center, Trailridge Room
11:30-12:45	Department Chairs' Luncheon, Occhiato Center, President's Dining Room
12:30-4:00	Publishers' Exhibit, Physics/Math Building, Room 116
12:30-3:30	Registration, Physics/Math Building, Lobby
1:00-1:15	Opening Remarks, Occhiato Center, Ballroom Central
1:15-2:00	DISTINGUISHED TEACHING AWARD LECTURE Occhiato Center, Ballroom Central Slates, Blackboards, Greenboards, Whiteboards, Overheads, Computers, Multimedia:
	Can We Possibly Survive in Such a Changing World? PROF. DUANE PORTER, 1994 DTA RECIPIENT UNIVERSITY OF WYOMING
2:15-4:00	MAA, COLOMATYC Contributed Paper Sessions, Physics/Math Building
2:15-4:00	Curriculum Reform Poster Session, Physics/Math Building, Room 121 RMTEC Progress Report: Jeff Farmer (UNC), Darel Hardy (CSU) & Jim Loats (Metro) Calculus Reform at UNC: Ricardo Diaz (UNC) & Steve Leth (UNC)
4:15-5:15	POLYA LECTURE Life Science Auditorium, Room 105 Witnesses for composite numbers PROF. CARL POMERANCE UNIVERSITY OF GEORGIA
5:20-6:00	MAA Department Representatives Meeting, Life Science, Room 103
6:00-7:00	RECEPTION, Occhiato Center, Hearthwell Room Sponsored by University of Southern Colorado College of Science and Mathematics
7:00-10:00	BANQUET, Occhiato Center, Ballroom East MAA Awards Presentation Invited Banquet Address: Industrial Mathematics for Fun and Profit PROF. MARTHA SIEGEL

TOWSON STATE COLLEGE, MARYLAND

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Saturday, 22 April

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7:00-7:45	MAA Department Representatives Breakfast, location TBA at Friday's Dept. Rep. Meeting
8:30-12:30	Publishers' Exhibit, Physics/Math Building, Room 116
8:00-9:30	Registration, Physics/Math Building, Lobby
8:00-8:50	Rocky Mountain Section Business Meeting, Life Science Auditorium, Room 105
9:00-9:55	KEYNOTE ADDRESS Life Science Auditorium, Room 105 <i>"Populating" Mathematics Classrooms</i> PROF. MARTHA SIEGEL TOWSON STATE COLLEGE, MARYLAND
10:10-11:25	MAA, COLOMATYC, CCTM Contributed Paper Sessions, Physics/Math Building
	Curriculum Reform Poster Session, Physics/Math Building, Room 121 (See Friday's Program)
11:35-1:00	Mathematics Education in 1995: A Kindergarten through University Interaction Life Science Auditorium, Room 105
	Moderator: Frieda Holley, Metropolitan State College of Denver

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	Fran Berry, Jefferson County Public Schools and CONNECT Principal Investigator Zenas Hartvigson, University of Colorado, Denver Tom Hibbs, Cheraw Secondary Schools Colleen Jorgensen, Red Rocks Community College Marge Lindskög, Pueblo Eva Baca Elementary School and SADI Council Member
	Jim Loats, Metropolitan State College of Denver
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2:30-3:30	CCTM Contributed Sessions, Physics/Math Building
2:30-4:30	MAA Minicourse, <i>Teaching Environmental Numeracy to Undergraduates</i> Martin Walter, University of Colorado - Boulder Physics/Math Building, Room 126