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ROCKY MOUNTAIN SECTION OF THE MATHEMATICAL ASSOCIATION OF AMERICA
Officers for 1995-1996

Chairperson: Edwin Hawkins, Mesa State College

Grand Junction, Colorado, 81501

[email: Hawkins@mesa5.mesa.colorado.edu]

Vice-Chairperson: William H. Manzer, Western Wyoming College

2500 College Drive, PB Box 428

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Chair-Elect: Darel W. Hardy, Colorado State University

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Governor: "Tino" G. Mendez, Metropolitan State College of Denver

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SPRING MEETING of ROCKY MOUNTAIN SECTION

* * * * *

Mesa State College, Grand Junction, Colorado

April 19, 20, 1996

This year's Section nominating committee consists of:

Gail Gliner, Metropolitan State College, PO 173362, Denver, CO 80217

Cliff Britton, Mesa State College, Grand Junction, CO 81502

Janet Burgoyne, South Dakota School of Mines and Technology, Rapid City, SD, 57701

For this meeting the committee needs to nominate a Chair-Elect and Secretary/Treasurer. Please feel free to convey recommendations to the committee.

Mathematics Association of America, Rocky Mountain Section -1995 Meeting

The annual meeting of the Rocky Mountain Section was held April 21--22, 1995, on the campus of the University of Southern Colorado in Pueblo. The program co-chairs were Janet Nichols and Bruce Lundberg. There were 212 registrants. One reason for the large turnout was the fact that this meeting was a joint meeting with COLOMATYC and CCTM, with 40 members participating. More than thirty of the attendees were from Junior Colleges. Approximately 26 students registered.

The invited addresses were --

The Distinguished Teaching Award Lecture: **Slates, Blackboards, Whiteboards, Overheads, Computers, Multimedia: Can We Possibly Survive in Such a Changing World?** Dr. Duane Porter, University of Wyoming, 1994 DTA Recipient.

Polya Lecture: **Witnesses for Composite Numbers.** Dr. Carl Pomerance, U. of Georgia

Banquet Address: **Industrial Mathematics for Fun and Profit.** Dr. Martha J. Siegel, Towson State College, Maryland. Editor of *Mathematics Magazine*.

Keynote Address: "Populating" Mathematics Classrooms. Dr. Martha J. Siegel

At the banquet Friday evening, William Emerson (Metropolitan State College of Denver) was recognized as the 1995 winner of the Distinguished Teaching Award. Also at the dinner recognition was made of those members who had just completed 25 years in the MAA. Drawings were held for doorprizes donated by the publishers.

In addition to the addresses, the program consisted of the following:

A welcoming by Dr. Bruce Grube, Provost, University of Southern Colorado.

Panel -- **Mathematics Education in 1995: A Kindergarten through University Interaction.**
Moderator: Frieda Holley, Metropolitan State College of Denver.
Participants: Zenas Hartvigson, University of Colorado, Denver
Fran Berry, Jefferson County Public Schools and CONNECT Principal Investigator
Tom Hibbs, Cheraw Secondary Schools
Colleen Jorgenson, Red Rocks Community College
Marge Lindskög, Pueblo Eva Baca Elementary School and SADI Council Member
Jim Loats, Metropolitan State College of Denver

MAA Minicourse, *Teaching Environmental Numeracy to Undergraduates.*
Martin Walter, University of Colorado, Boulder

Curriculum Reform Poster Session

RMTEC Progress Report: Jeff Farmer (UNC), Darel Hardy (CSU), Jim Loats (Metro), and Tabitha Mingus (UNC)
Calculus Reform at UNC: Ricardo Diaz (UNC), and Steve Leth (UNC)

COLOMATYC Session on *Proposed Changes and Additions to the Core Curriculum*
Organized: Patricia Hauss, Arapahoe Community College

Two sessions of Departmental Representative were held, with Governor Mendez taking a lead role in revitalizing the role of these representative in the Rocky Mountain section.

Contributed talks -- (a * indicates a student presenter)

Quantitative Literacy: Mathematics for Citizenship in the 21st Century
William L. Briggs, CU-Denver
Jeff Bennett, CU-Boulder

- Motivational Teaching Techniques Involving Connections Between Mathematics and Art*
Ray Tennant, USC
- College Algebra in Context: Implementing Algebra Reform at a University*
Ken Klopfenstein and Darel Hardy, CSU
- Explicit Formulas for the Sums of Powers of Integers, Bernoulli and Euler Polynomials, and other Combinatorial Functions*
* Carl Robert Gibbons, DU
- Back in the Saddle Again*
* Tina Dummond, USC
- Applications of Gambler's Ruin*
* Paul Vercler, Metro
- Super Secret Spy Kit*
* Rhainnie Sellman, USC
- Decomposition of Regression Models*
* Kenneth Amend, Christopher Gutierrez & Gretchen Kulver, Metro
- An Investigation into the Invertibility of a Special Kind of Matrix*
* Victor Meyers, USC
- 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
- Schröder-Bernstein Groups*
* Dana Cortez, USC
- Non-Standard Dice*
* Barry Balof, Colorado College
- A Visual Representation of the Classification Theorem for 2-D Surfaces*
* Tensia Soto-Johnson, UNC/USC
* Lara Schmidt, UNC
- Four the Hard Way*
Leslie E. Shader, University of Wyoming
- Calculation of Three Dimensions*
* Mary Hughes Treder, University of Wyoming
- Using Global Optimization to Discover Icosahedral Structures*
Jerry Shultz, Metro
- Stability in Nonlinear Delay - Differential Equations*
Jim Louisell, USC
- Filtering with the Fast Fourier Transform*
William D. Emerson, Metro
- Testing Nonlinear Regression Models Using Cubic Spline Smoothing*
Rianto A. Djojogugito, SDSMT
- Denseness of the Generalized Eigenvectors of a Discrete Operator in a Banach Space*
Janet Burgoyne, SDSMT
- Introduction to Elliptic Curve Cryptography*
* Pete Morris, University of Wyoming
- Some Approaches to Teaching Calculus II*
Patricia Hauss and Jeff Berg, Arapahoe Community College
- Experiences Using Portfolios in a Calculus III Class*
Karen Whitehead, SDSMT
- Introduction and Use of Rubrics in a University Mathematics Course*
A. Rose Shaw, Education and Business Consultant
Patricia R. Velicky, UNC

Teaching L-Grammars in Discrete Mathematics

Ernest J. Cisneros, Metro

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

Data Analysis in an Introductory Statistics Course

Patrick Enright, Arapahoe Community College

Minutes of Annual Business Meeting, Rocky Mountain Section, MAA, April 22, 1995

Janet Barnett, Chair of the section, convened the meeting at 8 am.

The minutes of the 1994 meeting at South Dakota School of Mines and Technology were accepted as circulated, with the correction that the date on them was 1993 rather than the proper date.

Treasurer Bill Ramaley presented a summary of the finances of the section. At the time of the meeting, the section had \$4179.58 in savings and \$414.23 in a checking account, for a total of \$4593.81. The report was approved.

It was announced that the 1996 meeting would be held at Mesa State College, with Carl Kerns and Ed Hawkins working on the program. This meeting is a joint meeting with the Intermountain Section. The 1997 meeting will be jointly hosted by Metropolitan State College of Denver, the University of Colorado at Denver, and the Auraria campus of the Denver Community College.

The Nominating Committee consisted of Clifford Britton (3rd yr and chair), Gail Gliner (2nd year and next year's chair), and Janet Burgoyne (1st year.)

For the position of Chairperson-Elect the Nominating Committee put forth Darel W. Hardy, Colorado State University and Karen L. Whitehead, South Dakota School of Mines and Technology. Darel Hardy was elected.

For the position of Vice-Chairperson the Nominating Committee put forth William H. Manzer, Western Wyoming Community College, and Charles R. Smith, Red Rocks Community College. William Manzer was elected.

William Emerson of Metropolitan State College of Denver was recognized as the recipient of the fourth annual Distinguished Teaching Award (1995)

In his Governor's report, Tino Mendez described the Mission and Goals Statement of the national MAA and urged its reading by everyone. He reported that the NSF has a new initiative on the Reward and Recognition of Teaching. Additionally, Gene Leitzel of the U. of Nebraska continues to work on Project NeXT and invites participation. There is a continuing concern over the mentoring of new faculty members. Tino said that the Departmental Representatives program is getting off to a good start and he urged that each member make certain his or her own department had its MAA Department Representative.

Tom Kelley made a proposal for an EXXON Student Chapter Funding. From the wording in the proposal -

This is to sponsor an activity in the Fall semester (say, about mid October) that would involve a large number of students participating in activities at five "regional centers" throughout the section. These activities could include local speakers as well as Internet activities (such as a scavenger hunt or some math problems which would require the students to communicate with other students via

the net). The money could be divided among the five centers to fund food, drink, speaker costs, math books (?), travel costs, and other things not thought of yet. Students could be invited to attend from schools (four-year, two-year) in the area of the regional center. This type of activity would give the MAA student chapters visibility in the Fall semester and perhaps get the students and faculty thinking about what they could be doing for the Spring meetings a little sooner.

This request is to go to EXXON for a grant of \$1000. In order to help planning, the Section is asked to guarantee Tom at least \$500 in the event EXXON turns down the request. Such a motion passed.

At the 1994 meeting the Executive Committee had been directed to prepare guidelines for grants for section activities. As a result, there was distributed at this meeting a document:

Section Activities Grants Program Design.

The objective is stated to be: To assist Section members fund projects in support of Section Mission.

Grants will not exceed \$500 per project; matching funds from host institution preferred, but not required. Any project director must be a member of the MAA and the project must be clearly tied to one or more of the Rocky Mountain Section Mission Goals.

The plan is to eventually be able to award as many as 6 projects per year, with funding to be by a voluntary supplemental dues together with corporate donations. A discussion ensued as to recommending an amount for the supplemental dues, but it was decided to leave the amount open. In order to help planning get under way, the Section is asked to designate \$1000 of its funds as seed money.

This design passed. For details on application, contact the Secretary/Treasurer or any other office of the section.

In connection with this Grant program, the MAA Rocky Mountain Section Mission Statement was discussed and approved at the meeting. A complete copy is included with the fall 1995 mailing to members.

Jim Loats asked for \$75 to help subsidize the Colorado Mathematics Education Resource List (CMERL). This list is a resource of speakers and other programs and is offered in cooperation with the Colorado Council of Teachers of Mathematics (CCTM) and the Colorado Mathematics Association for Two Year Colleges (COLOMATYC). This expenditure was approved.

The annual meeting registration fees were set to be \$10 for preregistration and \$12 on site, with students remaining at \$2 for preregistration or on site. Monies collected in excess of meeting expenses shall be put into the general fund of the section.

A motion of appreciation to University of Southern Colorado was offered and approved. A further motion of appreciation offered by Tino Mendez to the officers involved with this meeting was approved.

Officers for 1995-96 are -- Past Chair: Janet Barnett, University of Southern Colorado
Chair: Edwin Hawkins, Mesa State College
Chair Elect: Darel Hardy, Colorado State University
Vice Chair: William Manzer, Western Wyoming Community College (term ends in 1997)
Secretary/ Treasurer: Bill Ramaley, Fort Lewis College (terms ends in 1996)
Governor of Section: C. G. Mendez Metropolitan State College of Denver (terms ends in 1996)

William C. Ramaley, Sec'y/Treas
Rocky Mountain Section MAA

News from the Departments-

Mesa State College

New faculty are:

Kenneth Davis, Assistant Professor of Mathematics (Ph.D. Math. Washington State Univ.)

Gary DeYoung, Assistant Professor of Mathematics (Ph.D. Math. Univ. of Utah)

Michele Intermont, Assistant Professor of Mathematics (Ph.D. Math. U. of Notre Dame)

Gary Rader, Associate Professor of Computer Science (Ph.D. Comp. Sci., U. of Pennsylvania
also M.B.A., U. of Toronto)

Timothy Novotny promoted to Professor of Statistics

Mesa State anticipates one opening in mathematics for fall 1996.

Three students and two faculty members attended the Kappa Mu Epsilon (KME) national conference in the spring of 1995 in Durango, CO. Mesa State will host the 1996 regional KME conference in conjunction with the MAA joint meeting of the Rocky Mountain Section and Intermountain Section to be held April 19-20, 1996, in Grand Junction, CO.

(**Edwin Hawkins**, Department Chair, Department of Computer Science, Mathematics and Statistics)

University of Northern Colorado (**Richard Grassl**, Chair of Department, (970-351-2380)

New faculty: **Cathleen Craviotto**, (Ph.D. U. of Colorado)

On leave: **Bill Blubaugh** for 1995-96

UNC in in the 2nd year of a \$600,000 NSF Teacher Enhancement Grant. They anticipate one opening for a one-year appointment teaching 12 hours (9 statistics and 3 mathematics).

UNC just organized a Student MAA Section.

The first round of the UNC statewide math contest for 7-12 graders attracted 1200 students. The top 200 will come to UNC on Feb. 10, 1996 for the final round of competition.

Metropolitan State College of Denver (**Charlotte W. Murphy**, Chair of Department)

New faculty in 1994: **Aaron Gordon**, (Ph.D. in CS at U. of Wisconsin, 1985; Asst Prof at Colo School of Mines for seven years)

New faculty in 1995: **Shahar Boneh**, (Ph.D. in Statistics at UC-Santa Barbara, 1989; Asst Prof at Wichita State U for six years)

James T. Loats promoted to Professor; **Lewis Romagnano** promoted to Associate Professor.

Kenneth Lager on leave for spring, 1995. **Ronald D. Whittekin** retired in December, 1994 and moved to Tuscon.

MSCD anticipates three positions starting in fall, 1996. Applicants must have two years experience teaching undergraduates and have expertise in at least two of the following: 1) prob and stat (or actuarial science), 2) applied math, 3) analysis or geometry, 4) math ed or math curriculum reform.

The Rocky Mountain Teacher Education Collaborative (with UNC and USC) brings about \$300,000 from NSF to MSCD for the current and the next three years. This program effects changes in the MSCD math and science classes which train teachers. **Loats, Gliner, Kelle, Talman, Romagnano.**

NSF SSI:Connect has activities with the Denver Public Schools for In-Service. **Raab, Johnson.**

NSF Young Scholars: Summer programs for Middle school disadvantaged students to help them develop interest in Math and Sciences. Follow-up throughout the academic year. **Mendez, Cisneros.**

DOE Interactive Mathematics Project - Rocky Mountain Region Dissemination Project. This introduces innovative pedagogy in mathematics into secondary schools. **Romagnano**

MAA Committee on Student Chapters grant for an October weekend (Fri and Sat) set of activities for math students at Metro, Ft. Lewis, Mesa State, U. of Wyoming, S. Dakota School of Mines & Tech. Kelley.

Nancy Thompson will attend the MAA Institute in the History of Mathematics and Its Use in Teaching. This three week institute will be held in Washington, DC, during June, 1966.

University of Colorado at Denver (Stanley E. Payne, Chair)

Rich Lundgred is on sabbatical for the 1995-96 academic year. Kathryn Fraughnaugh is on leave for the spring term of 1996. C. Liu is moving his computational math research group to Louisiana Tech, where he will head up a new program.

Ben Fox and Roland Sweet are retiring at the end of the spring, 1996, term.

Steve Billups (PhD, Computer Science, U. of Wisconsin) has joined the faculty as Assistant Professor.

Karen Kafadar has accepted a three-year appointment as the managing Review Editor of the *Journal of the American Statistical Association* starting in January, 1996. Her paper, "An Application of Nonlinear Regression in Research and Development: A Case Study from the Electronics Industry," published last year in *Technometrics* won both the Outstanding Applications Award from the American Statistical Association and the Wilcoxon Prize from the American Society for Quality Control.

Brian Goodwin, Math Club President, was awarded one of the 300 Goldwater scholarships given nationally. He plans to attend a graduate school with a program which includes an emphasis in mathematical biology. Last year he worked with Weldon Lodwick learning about models for tumor growth. The department's home page is <http://www-math.cudenver.edu>

The Ohio Section of the MAA will hold a summer short course in Actuarial Mathematics, June 3-5, 1996, on the campus of Marshall University in Huntington, W.Va. The course will be conducted by Professor Matthew Carlton, who holds a PhD in mathematics and is also a Fellow of the Society of Actuaries. He is also a principal in American Benefit Corporation, an insurance consulting firm, where he has practiced for over two decades.

Topics will include an overview of the actuarial profession and the actuarial examinations, employment prospects for new graduates, advancement opportunities, suggested courses for student advising, actuarial problems to apply in traditional mathematics courses, actuarial topics for seminars, the theory of interest, numerical analysis topics and mortality tables. Demonstrations will be in the area of pension mathematics, which is his specialty and which he feels is also the most interesting mathematically.

Lodging is available through local hotels and motels at competitive rates. Course registration fee is \$100 and the deadline is May 3. Checks should be payable to Marshall University Research Corp and they should be marked "Actuarial Mathematics". Registrations may be sent to: Actuarial Math, Dept. of Math., Marshall U., Huntington, W.Va. 25755-2560. For more information contact David Cusick at cusick@munxt01.mu.wvnet.edu

The Ohio State University College Short Course Program organized by Bert Waits and Frank Demana is offering week-long courses at many colleges throughout the United States. Each short course participant will learn "hands-on" how to use the new TI-92 symbolic algebra computer and/or the TI-82 or TI-85 graphing calculator to enhance the teaching and learning of college and university mathematics. Courses range in applicability from pre-algebra through Calculus.

For information on dates and locations of all college sites, please contact Bert Waits and Frank Demana at Ohio State c/o Ed Laughbaum at (614) 292-7223 or at e-mail elaughba@math.ohio-state.edu,

Longtime MAA Members

Beginning in 1995 the national MAA began a policy of having sections recognize those members who had belonged to the MAA for exactly 25 years. Those who attained that status in that year were given certificates at the meeting at USC (or had the certificates mailed to them).

What about members who had joined earlier? I thought you might like to know them. I don't where some of them taught, for all I have are current addresses. But here they are, together with the year they joined. If you want the addresses for any of them, let me know. -Bill Ramaley

Ronald L. Arms, 1956	Zenas R. Hartvigson, 1965	David L. Phillips, 1968
Vern W. Backens, 1962	Edwin C. Hawkins, 1965	Keith L. Phillips, 1961
Nancy C. Baggs, 1961	Shigeo Hayashi, 1961	A. Duane Porter, 1964
Louis Barrett, 1955	Sandra N. Hilt, 1959	William C. Ramaley, 1961
Gladwin E. Bartel, 1964	John H. Hodges, 1955	Ottis W. Rechar, 1946
Jerrold W. Bebernes, 1960	Edwin A. Horn, 1958	Roy F. Reeves, 1949
Roberet D. Bechtel, 1961	Jay W. Howe, 1965	Robert B. Rice, 1942
Frederick J. Bishop, 1967	Robert C. Irwin, 1965	David W. Roeder, 1966
Ardel J. Boes, 1957	Larry S. Johnson, 1964	Laurel A. Rogers, 1959
Robert L. Bohac, 1966	William B. Jones, 1958	Dale M. Rognlie, 1966
S. Elwood Bohn, 1955	Kenneth F. Klopfenstein, 1960	Ben G. Roth, 1963
William W. Bosch, 1964	William J. Leveque, 1943	Richard L. Roth, 1963
G. E. Bradford, 1967	Bernard W. Levinger, 1960	Fred K. Rumford, 1965
Charles H. Brase, 1965	Ronald E. Loser, 1964	Louis Sass, 1967
William E. Briggs, 1950	Neil A. Mackie, 1960	George F. Simmons, 1962
Austin R. Brown, 1953	M. L. Madison, 1945	Palmer F. Smith, 1957
Harold D. Buffalow, 1967	Roger L. Mansfield, 1968	W. Norman Smith, 1948
Nicholas P. Callas, 1959	Bennet Manvel, 1968	John J. Sopka, 1954
David L. Carlson, 1968	Michael S. Martin, 1963	Alfred T. Steele, 1968
Fred M. Carpenter, 1944	Byron L. McAllister, 1955	F. M. Stein, 1948
James R. Collins, 1967	Burnett C. Meyer, 1949	Richard D. Stratton, 1961
John R. Cowles, 1968	R. R. Middlemiss, 1928	Ruth Rebekka Struik, 1964
Edwin L. Crow, 1942	Robert B. Mollo, 1964	John D. Thomas, 1953
Fred T. Daly, 1946	Patricia Tucker Montague, 1957	Elizabeth M. Troxell, 1959
E. R. Deal, 1955	Ralph N. Niemann, 1963	John Weibel, 1961
James B. Derr, 1963	Richard J. Painter, 1966	Rooger C. Weitzenkamp, 1967
George S. Donavan, 1965	Suzanne T. Patrick, 1968	Edgeworth R. Westwater, 1964
William S. Dorn, 1956	Stanley E. Payne, 1961	Kenneth J. Whitcomb, 1958
Harold P. Edmundson, 1946		Ronald O. Williams, 1964
Ruth L. Erckmann, 1961		Thomas W. Williams, 1966
Bruce Feldmeyer, 1959		Walter M. Windholz, 1963
Forest N. Fisch, 1947		
James F. Fleming, 1967		
Nellie G. Fletcher, 1954		
Ann C. Garstang, 1964		
Richard A. Gibbs, 1969		
Carl A. Grimm, 1953		
Stanley P. Gudder, 1967		
William C. Guenther, 1959		
Raymond R. Gutzman, 1949		
J. R. Hanna, 1943		
Darel W. Hardy, 1964		
William J. Hartman, 1955		

The member of longest tenure is R. R. Middlemiss, who joined the MAA just 68 years ago. Congratulations!

None of our current members joined in the 1930s, but there are 15 who first began receiving the *Monthly* in the 1940s.

Due to an error at the national office the following were not recognized as 25 year members in 1995, but actually were:

Robert Baillie, Randolph Constantine, Jon Epperson, Celestino Mendez, and Diane Wagner

If you have any news about members, let me know.

MAA ROCKY MOUNTAIN SECTION MISSION STATEMENT

MISSION: To promote excellence in mathematics education especially at the collegiate level

MISSION RELATED GOALS	INITIATIVES
To foster scholarship, professional development, and professional cooperation among the various constituencies of the mathematics community within the region.	<ul style="list-style-type: none"> a) Foster professional exchange and development through presentations at Section Meetings. b) Foster sharing of expertise through short courses and workshops at Section Meetings. c) Disseminate information on professional development opportunities through Section Newsletter. d) Promote dialogue between the Section and the National office through network of Department Representatives.
To foster the implementation and study of recent research recommendations for the teaching, learning and assessment of collegiate mathematics.	<ul style="list-style-type: none"> a) Foster dissemination of recommendations through network of Department Representatives. b) Foster dissemination of recommendations through bulletin boards, such as the MAA GOPHER. c) Foster discussion of recommendations and implementation issues through presentations at Section Meetings. d) Disseminate information of professional development opportunities through Section Newsletter.
To support the implementation of effective mathematics preparation programs of prospective teachers at all levels.	<ul style="list-style-type: none"> a) Maintain Teacher Preparation Electronic Network. b) Promote participation in Project NEXT teaching mentoring program for new doctorates.
To enhance the interests, talents and achievements of all individuals in mathematics, especially of members of underrepresented groups.	<ul style="list-style-type: none"> a) Foster network of professional mathematicians to serve as mentors. b) Maintain Undergraduate Lecture Series to provide career and graduate school information. c) Foster student participation in Mathematics Competitions, including public recognition of top scores. d) Foster student participation in annual meetings. e) Promote participation in Pre-College Intervention Programs, under guidance of SUMMA. f) Provide public recognition of accomplishments of individual section members, including recognition of 25 year members at Spring Meeting.
To provide recognition of the importance of mathematics, mathematical research and quality mathematics teaching, and promote public understanding of the same.	<ul style="list-style-type: none"> a) Sponsor and publicize Distinguished Teaching Award. b) Promote participation in Mathematics Awareness Week. c) Maintain Colorado Mathematics Education Resource List with CCTM and COLOMATYC.
To provide regional leadership in the promotion of systemic change in mathematics education, and in the enhancement of public understanding about the needs and importance of mathematical research and education.	<ul style="list-style-type: none"> a) Develop and sustain working relationships with other professional math education organizations (such as state affiliates of the Mathematical Association of Two Year Colleges and the National Council of Teachers of Mathematics). b) Maintain Colorado Mathematics Education Resource List with CCTM and COLOMATYC. c) Participate in Statewide Systemic Initiatives within the region.



SECTION ACTIVITIES GRANTS PROGRAM DESIGN

Objective: To assist Section members fund projects in support of Section Mission.

Selection Process:

- 1) Applications will be solicited and reviewed once or twice yearly.
- 2) Each application will be reviewed by two (non-officers) members of the Section.
- 3) Based on reviewer's reports, Executive Committee will award grants.
- 4) The chair-elect, past-chair, and governor of the section will form a Section Grants Activities Committee to facilitate the selection and review process. This committee will also be responsible for overseeing the raising of monies to support the Section Activities Grants.

Application Process:

- 1) Project director must be a member of MAA.
- 2) Grants will not exceed \$500 per project; matching funds from host institution preferred, but not required.
- 3) Project must be clearly tied to one or more of the Rocky Mountain Section Mission Goals.
- 4) Application materials will include the following materials:
 - a) Description of project (no more than one page)
 - b) Statement of how project supports Mission Goals (no more than one page)
 - c) Estimated budget
 - d) Description of additional funds available, if any
 - e) Vitae of project director(s)
- 5) If funded, a report of the project will be filed with the Project Director upon completion (no more than one page) and a report will be made at the next meeting of the Section.

Funding Mechanism Proposal

Goal: To raise and maintain a Section Grants Fund through which as many as six \$500 awards may be made yearly.

Eventual Annual Funds Required: \$3,000 plus costs

Possible Sources of Funds

- 1) --Supplementary Dues designated specifically for the support of the Sections Activities Grants Program.
--Dues would be collected by the section on a voluntary basis.
- 2) Corporate Contributions to be phased in once fund has been set up.

William C Ramaley
Fort Lewis College
Dept of Mathematics
Durango, CO 81301

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