

MAA ROCKY MOUNTAIN SECTION MISSION STATEMENT (Approved 4/22/95)

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

MISSION RELATED GOALS

<p>1. To foster scholarship, professional development, and professional cooperation among the various constituencies of the mathematical community within the region.</p>	<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.
<p>2. To foster the implementation and study of recent research recommendations for the teaching, learning and assessment of collegiate mathematics.</p>	<ul style="list-style-type: none"> a) Foster dissemination of recommendations through the network of Department Representatives. b) Foster dissemination of recommendations through bulletin boards, such as 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.
<p>3. To support the implementation of effective mathematics preparation programs of prospective teachers at all levels.</p>	<ul style="list-style-type: none"> a) Maintain Teacher Preparation Electronic Network. b) Promote participation in Project NEXT teaching mentoring program for new doctorates.
<p>4. To enhance the interests, talents and achievements of all individuals in mathematics, especially of members of underrepresented groups.</p>	<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.
<p>5. To provide recognition of the importance of mathematics, mathematical research and quality mathematics teaching, and promote public understanding of the same.</p>	<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.
<p>6. 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.</p>	<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 Sponsored Activities and Other Information

Financial Information

Our Taxpayer Identifying Number is 83-6006620. This is an IRS issued number, May 18, 1992, to:

Mathematical Association of America Inc.-Rocky Mountain Section
Math Dept Ft Lewis College
Durango, CO 81301

as a tax exempt organization. Hence, the number should continue to be used in the future for any interest-earning account of the Section. To change this address in Colorado call (as of 5/18/92) 825-7041 local Denver, or 1-800-829-1040 in the rest of Colorado. Or write to : Department of the Treasury, Internal Revenue Service, Ogden, UT 84201.

Colorado Mathematics Education Resource List (CMERL), in cooperation with CCTM.

Coordinator: VACANT

Purpose : Provides access to experts in Colorado who are willing to speak, lead workshops, and respond to media inquiries.

Section Activities Grants Program Design (approved 4/22/95)

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) Estimate budget
 - d) Description of additional funds available, if any
 - e) Vitae of project director(s)
5. If funded, a report on 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 to support as many as six \$500 annual awards.

Eventual Annual Funds Required: \$ 3000 plus costs

Possible Sources of Funds:

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

Student Awards

Student presenters: One-year membership in MAA, or free MAA book if student is a member (paid by national).

Top scorer on Putnam Exam in Section: Membership in MAA (paid by national).

Top scorers on American Mathematics Competition (certificates, approved 4/3/1999)

Student Recognition Grant Program (approved 4/26/2003)

The establishment of a Student Recognition Grant Program was approved by the section membership at the 2003 Annual Business Meeting. In support of this program, the Section will set aside \$500 every calendar year. From these monies, the Section will make grants for the purpose of recognizing superior achievement in mathematics on the part of (1) students enrolled in post-secondary institutions within the geographic region served by the Section and (2) high school students whose school districts, or other appropriate political subdivisions, substantially intersect the geographic region served by the Section.

Proposals for such grants must

1. originate from a member of the Rocky Mountain Section of the Mathematical Association of America on behalf of an agency, institution, or organization whose stated purposes are consistent with recognizing or encouraging superior academic achievement at the high school level;
2. be in the hands of the Secretary of the Rocky Mountain Section no later than April 2 of the year in which the proposed recognition is to be made;
3. include the criteria under which superior achievement in mathematics is to be recognized, together with the time and the manner of such recognition;
4. report, insofar as possible at the time of the proposal, other potential sources of support together with proposals or requests made or intended; and
5. be limited to a maximum amount of \$250.

The Executive Committee will review all proposals for grants under this policy and will make such grants as, in its sole judgment, it deems proper. In keeping with the section mission, funding priority will be given to grants that include recognition of undergraduate students. Funding decisions will be announced no later than the Annual Business Meeting of the Section.

Duties of Section Officers, Rocky Mountain Section, MAA

(Pages 4 - 5 give informal descriptions; for formal duties, see the By-laws, pages 7 - 8)

NOTE: Additional information for section officers is located at www.maa.org/Sections/officer-info.html

Chairperson (two year term, usually preceding year's Chairperson-Elect)

1. Provide leadership for Section; much of the section business can be conducted by phone or e-mail.
2. Receive and answer mail from national MAA.
3. Arrange and preside at Fall Executive Committee Meeting, if held (usually held on campus of host institution).
4. Preside at Spring Executive Committee (luncheon) Meeting (held late morning on Friday of Annual Spring meeting).
5. Preside at Annual Business Meeting (held early Saturday morning of Annual Spring meeting).
6. Represent the Section at the Section Officers' Meeting held in conjunction with the Summer Mathfest and the Winter Joint Meetings of AMS/MAA, or designate a replacement. (Some travel costs are subsidized by the national MAA; the amount of the subsidy varies.)
7. Serve on Program Committee.
8. Serve on Committee on Profession Linkages, or designate a representative of four –year colleges.
9. Coordinate with Program chair to arrange for invited speaker from national MAA speaker list. (MAA furnishes an officer to act as a speaker at the Annual Meeting. We pay only local expenses. We usually invite this officer for the Banquet Address and an hour's invited address. The national office provides a list of suitable speakers that they subsidize.)
10. Appoint a member for a one-year term to the Distinguished Teaching Award Selection Committee.
11. Appoint a member (each year) to the Nominating Committee.
(This is a three year term; the person serving in their second year is Chairperson.)

Chairperson-Elect (one year term)

1. Watch and learn.
2. Attend all Executive Committee Meetings.
3. Act in place of Chairperson if that officer cannot fulfill his/her position.
4. Serve on Program Committee
5. Chair the Distinguished Teaching Award Committee

Past Chair (one year term)

1. Follow-up on programs begun during his or her term as Chair.
2. Attend all Executive Committee Meetings.
3. Act in place of Chairperson if that officer cannot fulfill his/her position.
4. Serve on Program Committee.
5. Chair the Distinguished Teaching Award Committee

Vice - Chair (two year term)

1. Act as contact with two – year and community colleges.
2. Attend all Executive Committee Meetings.
3. Serve on Program Committee and arrange for programs for two –year and community college faculty.
4. Serve on Distinguished Teaching Award Committee.
5. Serve on Committee on Profession Linkages, or designate a representative of two –year colleges.

Secretary/Treasurer (three year term)

1. Making all the officers aware of their duties.
2. Assisting officers in the performance of their duties.
3. Responsible for Section funds and preparation of reports.
4. Responsible for preparing and distributing minutes of all Section and Executive Committee meetings.
5. Help with call-for-papers and other mailings.
6. Preparation and distribution of Section Newsletter

7. Archivist for Section.
8. Serve on Program Committee
9. Handle details not assigned to other officers.

Section Governor (three year term)

1. Attend Summer and Winter Meetings of Governors. (In conjunction with the Annual Joint Meetings of the AMS/MAA, approximately 1/2 of airfare is paid by MAA.) This involves a study of a lengthy agenda prior to the meetings. The meeting is normally an all-day affair, 9 to 4. (The governor gets good insight into the internal workings of the MAA. It can be a very rewarding experience.)
2. Represent Section with national MAA.
3. Represent national MAA to Section.
4. Appoint Higher Education Representative to CCTM Governing Board (2 year term).
5. Prepare and give Governor's report at Annual Business Meeting.
6. Attend Executive Committee meetings.

Program Chairperson - *a more detailed Meeting Handbook is available from the Section Secretary*

1. Arrange for facilities and rooms at host institution
2. Arrange lodging for MAA representative at Annual Meeting. The section pays local expenses but the National Office of MAA provides travel funds for person, who is usually the keynote speaker and the banquet speaker-- although not necessarily both. A list is provided by the national MAA. This person should be chosen and invited as early in the fall as possible.
3. Arrange for Polya Lecturer at Annual Meeting, in years when section is eligible (xxx5, xxx0); application must be submitted in late summer/early fall of the year preceding the year in which we are eligible.
4. Construct Program for Annual Meeting
 - Invite speakers and arrange panel discussions, perhaps in concert with other section officers. In recent years the recipient for the preceding year's Distinguished Teaching Award has been giving the opening address on Friday.
 - Contact an academic officer of the host institution to give a welcoming to the attendees at the opening session.
 - The call for papers is sent in January, which you or the Section Secretary will mail. Deadline for papers is mid-March. Preliminary program is mailed in late March, includes banquet information, motel information and map of campus, if not mailed earlier. It is good to acknowledge submitted papers, and inform presenters if they will be on the program.
5. Local Arrangements
 - Approve registration fees
 - Registration and collection of fees. These are used to pay for mailings, programs, coffee, name tags, student help, etc. (Note: The fees approved by the executive committee Ap 20, 2001, were \$12 in advance, \$20 on site, \$0 student and unemployed. If we wish/need to do so, we may amend our fee schedule-see By-Laws)
 - Arrange annual banquet. (Some recent costs: \$23-\$24 at USAFA/CC/UNC/MESA)
 - Coffee and cookies. (There is a coffee break both Friday afternoon and Saturday morning.)
 - Audiovisual needs. Speakers should be asked for their needs in the call-for-papers.
 - Arrange for publishers, computer manufacturers, etc. to display wares.
A contribution is requested from each displayer to defray expenses.
This amount has been \$100 since 1997.
 - If there is to be an MAA booksale (at which, members receive a discount from list prices and the local section gets 10% commission from MAA), arrange for a table to be staffed by the local math club on Fri afternoon and/or Saturday morning. Usually the Section gives an MAA book (of the club's choice) to the club in return for them performing this service. Normally the books and the order forms are sent to the section secretary and are brought to the meeting by that person. Usually the MAA only sends along copies of their books published in the last year (about a half-dozen), but their order forms apply to all of the books they currently publish. The students collect the completed order forms and gives them to the Section secretary.

- Designate parking and food facilities on campus.
 - Arrange welcome by local administration.
6. Arrange the following Dutch Treat working meals:
 - Executive Committee luncheon Friday or dinner Thursday;
 - Department Chair luncheon Friday (if requested);
 - MAA Department Liaison breakfast Saturday (if requested)
 7. Work in concert with Chairperson and Secretary to cover all details.
 8. Arrange for any local publicity.

Section Historical Notes

MAA Certificate of Meritorious Service

At its August meeting in 1983, the Mathematical Association of America Board of Governors voted to establish a Certificate for Meritorious Service to be presented for extraordinary contributions and outstanding efforts consistent with the stated purposes of the MAA and the Section. The first such awards were presented at the August 1984 meeting.

*At the Sectional level, each Section is entitled, and encouraged, to nominate one person for the award every five years. For this purpose, the Sections of the Association are separated into five groups, with one group of Sections making their nominations to the Board each year on a rotating basis. At each January meeting of the Association, honorees from roughly six Sections are recognized. The Rocky Mountain Section is included in the xxx2/xxx7 rotation. **However, selection must be completed by May of the preceding year to be approved by the National Board of Governors at their summer meeting preceding the joint meeting.***

Past Recipients

1992 A. Duane Porter, University of Wyoming
 1997 William C. Ramaley, Fort Lewis College
 2002 Richard Gibbs, Fort Lewis College
 2006 Janet Barnett, Colorado State University-Pueblo

Distinguished Teaching Award Recipients

In 1991, the Board of Governors of the Mathematical Association of America established Section Awards for Distinguished College or University Teaching of Mathematics to recognize extraordinarily successful teachers of mathematics at the post-secondary level. The Rocky Mountain Section Award is named in honor of Burton W. Jones, a lifelong advocate of excellence in teaching and strong supporter of the MAA.

Each year, a four-member Award Selection Committee chooses an award recipient from nominations made by the section membership. Recipients are outstanding teachers who foster student excitement about mathematics; simply being nominated is an honor. Nominees and their nominators receive complimentary meeting registration at that year's section meeting (including banquet fees for the awardee and awardee's nominator). All nominators also receive a certificate of appreciation in recognition of their efforts to promote excellence in teaching.

The awardee is honored with a certificate and \$50 honorarium at that year's Section Meeting, and is invited to deliver the opening lecture at the next year's Section Meeting. This individual also serves a one-year term on the Award Selection Committee and becomes the Section Nominee for the Deborah and Franklin Haimo Awards for Distinguished College or University Teaching of Mathematics. These national awardees (at most three) are honored at the MAA winter meeting with a certificate and \$1000 check.

Past Recipients

1992 John H. "Jack" Hodges, University of Colorado, Boulder
 1993 Gerald Diaz, US Air Force Academy
 1994 A. Duane Porter, University of Wyoming
 1995 William D. Emerson, Metropolitan State College of Denver
 1996 Zenas Hartvigson, University of Colorado at Denver
 1997 Tom Kelley, Metropolitan State College of Denver
 1998 Monte Zerger, Adams State College

1999 Bill Briggs, University of Colorado at Denver
2000 Barbara Bath, Colorado School of Mines
2001 Jim Loats, Metropolitan State College of Denver
2002 Gene Abrams, University of Colorado at Colorado Springs
2003 Hugh King, Colorado School of Mines
2004 Don Teets, South Dakota School of Mines and Technology
2005 Bryan Shader, University of Wyoming
2006 Barb Moskal, Colorado School of Mines
2007 Lynne Ipiña, University of Wyoming
2008 Steven Janke, Colorado College

History of Meeting Locations

1973 University of Northern Colorado
1974 Colorado School of Mines
1975 Mesa State College
1976 Fort Lewis College
1977 Metropolitan State College
1978 South Dakota School of Mines and Technology
1979 University of Denver
1980 University of Colorado (Boulder) (joint with AMS)
1981 Colorado College
1982 Western State College
1983 Colorado State University
1984 Air Force Academy
1985 Casper College
1986 Mesa State College
1987 University of Southern Colorado
1988 Metropolitan State College and University of Colorado (Denver)-- jointly
1989 Fort Lewis College
1990 University of Wyoming
1991 University of Northern Colorado
1992 Colorado College
1993 Colorado School of Mines
1994 South Dakota School of Mines and Technology
1995 University of Southern Colorado (joint meeting with Colorado Council of Teachers
of Mathematics and Colorado Mathematical Association of Two Year Colleges)
1996 Mesa State College (joint meeting with Intermountain Section)
1997 Metropolitan State College at Denver and University of Colorado, Denver (joint)
1998 Arapahoe Community College (joint with Colo. Math. Assoc of Two Yr. Colleges)
1999 Adams State College (joint with Four Corners Council of Teachers of Mathematics)
2000 Colorado State University
2001 Western State College
2002 University of Wyoming
2003 United State Air Force Academy
2004 Colorado College
2005 University of Northern Colorado
2006 Mesa State College (Joint with Intermountain)
2007 Colorado State University-Pueblo
2008 Black Hills State University
2009 Colorado School of Mines
2010 Colorado State University