

MAA MISSOURI SECTION SPRING 2005 NEWSLETTER

2006 MAA Missouri Section Meeting

I look forward to seeing all of you in Columbia next spring for the **2006 Missouri Section Meeting**. The meeting will be hosted by the **University of Missouri at Columbia on Friday March 31 and Saturday April 1** (with the Missouri Collegiate Mathematics Competition beginning the evening of Thursday March 30). So far, we have lined up one guest speaker. I've received word that **Steven Rudich**, an **MAA Polya Lecturer**, will be available to visit us. Professor Rudich's research interest is computational complexity, especially the P vs. NP question. He is also a magician and, I understand, enhances his presentations with magic. Since we didn't nominate anyone for the Award for Distinguished Teaching this past year, we don't have an automatic choice for our banquet speaker; but I have a couple of ideas and hope to have something in place soon. As could be expected, I'm being helped immensely by the members of the Missouri Section Executive Committee and the staff of the Mathematics Department here at Mizzou. I express to them my most sincere appreciation.

Along with several other members of the Missouri Section, I recently attended **the 8th annual “Legacy of R. L. Moore” Conference** in Austin, Texas. I spoke with some of them about doing something with a Moore-method theme at our meeting next spring. I also visited briefly with Melvin Jeter, who directed a successful Moore-method workshop at this year's Illinois Section Meeting. I didn't have a chance to talk to anyone from Rolla, but I know the UMR Mathematics Department has been very actively involved in the development of Moore-type courses and in giving visibility to the Moore approach to teaching. Some of our recent section meetings have featured speakers who dealt with this subject (notably, Tom Ingram's excellent talk at last year's banquet and Shing So's interesting presentation at this year's meeting), but I had something a little more extensive in mind. One of our members has already volunteered to conduct a workshop. Additional possibilities might be a special contributed-papers session, a panel discussion, and the showing of some videos. If anyone has suggestions or would like to participate in any way, please let me know.

Dix Pettey
Section Chair

New Newsletter Editor and New Format for Distributing Newsletter

This is my last issue as the MAA Missouri Section Newsletter Editor. The new editor is Dr. Suzanne Tourville at Columbia College. Her e-mail address is setourville@ccis.edu. I have enjoyed the six years I have served as the editor, and wish Suzanne success in her new job.

This will also be the last issue of the newsletter that will be mailed to almost all members of the MAA Missouri Section. Beginning with the first issue of the 2005 – 2006 school year, all members will be mailed a post card informing them that the Newsletter is available online. Anyone wanting to receive a hard copy should contact the Newsletter Editor.

Future Meeting Sites

The Spring Meeting is held at various locations around the state. The meeting sites for the past several years and the next seven years are listed below for your convenience. If your campus would be willing to host a Spring Meeting, then please contact Dix Pettey, Chair, or any other member of the Executive Committee. Please see the inside of the front cover for information on the members of the committee.

1985	Central Missouri State University	1999	Rockhurst College
1986	Southwest Missouri State University	2000	Central Missouri State University
1987	Truman State University	2001	U. of Missouri-Rolla
1988	Washington University	2002	Truman State University
1989	University. of Missouri-Columbia	2003	Washington University
1990	College of the Ozarks	2004	Southeast Missouri State University
1991	University of Missouri-Rolla	2005	Missouri Western State College
1992	Northwest Missouri State University	2006	University. of Missouri-Columbia
1993	Westminster College	2007	College of the Ozarks
1994	Missouri Southern State College	2008	Southwest Missouri State University
1995	Central Missouri State University	2009	Truman State University
1996	Southeast Missouri State University	2010	Central Missouri State University
1997	Missouri Western State College	2011	University. of Missouri-St. Louis
1998	Southwest Missouri State University	2012	Northwest Missouri State University

Minutes of Missouri Section Executive Committee Meeting April 1, 2005

The Executive Committee meeting of the Missouri Section was held in Blum Union, Junior College Room, on the campus of Missouri Western State College in St. Joseph. Chair Jeff Poet called the meeting to order after the banquet. The following officers attended the meeting:

Chair	Jeff Poet (MWSC)
Governor	Leon Hall (UMR)
Past Chair	Tim Ray (SEMO)
Chair-Elect stand in	Dix Pettey (UMC)
Newsletter Editor	Jim Bruening (SEMO)
Student Chapter Coordinator	Les Reid (SMSU)
Secretary-Treasurer	Mary Shepherd (NWMSU)

Carl Cowen, President of the MAA, also attended the meeting.

1. The Minutes of the April 2, 2004, Executive Committee Meeting were approved as distributed in the Spring 2004 Newsletter.
2. Jim Bruening was the Nominating Committee. He reported the following candidates, all of whom volunteered, for three offices:

Chair-Elect: Craig Haile (College of the Ozarks)
Chair Dix Pettey (UMC)
Newsletter Editor: Suzanne Tourville (Columbia College)

3. Jeff led a discussion about raising the conference registration fee. It was changed to current structure April 15, 2000. Only the registration fee was set at that time. The expenses for the current meeting will be slightly lower than last year at SEMO. The fee for the banquet can be set by the host school. The fee for the contest was raised a couple of years ago from \$25 to \$40 per team. The suggestion was for Dix to check into the cost of the banquet before setting the fee for the banquet. We are eligible for a Polya Lecturer next year. A registration fee increase will not be taken to the business meeting.
4. Discussion about sending the newsletter electronically followed and the suggestion was made to send a postcard giving the URL where the newsletter is available online. Leon Hall made a motion to bring this to the business meeting. The postcard will start with the Fall 2005 Newsletter. The Newsletter Editor will send a postcard to any member getting the hard copy currently. Any member who wants an issue of the newsletter in a hard copy will contact the Newsletter Editor directly. Motion passed.
5. The Committee discussed the lack of job descriptions for Public Information Officer/Section Liaison Coordinator in our By-Laws. Sharon Vestal is currently holding both position. The Public Information Officer is in charge of getting a plaque from the governor. In the past the PIO has been in charge of getting section meeting information—press release—to Kansas City and St. Louis markets in addition to the local papers. The Section Liaison Coordinator has a job description on the national Liaison page. No changes in the By-Laws are proposed.
6. Discussion was held regarding the positions Public Information Officer/Section Liaison Coordinator and Web Page Administrator. It was suggested that each should become invited guests of the Executive Committee. Both positions are 4-year positions.
7. Through email correspondence Rhonda McKee has requested that the High School Lecture's Coordinator position be eliminated. Tim Ray moved to remove this position. Motion passed.
8. Discussion was held about the section paying part of the expenses for an officer and the governor to attend the national meetings. The governor attends two meetings each year just preceding the Joint Meetings and MathFest. The section officer attends a meeting preceding MathFest. This suggestion for the section to help pay part of the expenses follows from a discussion by the governors. The MAA is increasing the reimbursement slightly, from \$500 to \$600 for travel, 2 nights lodging and a few meals. The current reimbursement structure is not a problem for Leon personally, but this might not be the case for the next governor. For the Albuquerque MathFest meeting, Dix will check whether he can attend. If he cannot, then Craig Haile will be given the opportunity to attend followed by Mary Shepherd if neither of them can. Tim Ray made a motion to give support from the section of up to \$300 total for support for the three trips.
9. Tim Ray moved that it be the responsibility of the Chair from the host institution to provide a banquet speaker when there is not winner for the section teaching award. Motion passed.

10. The committee to select the teaching award winner will still be the past three winners: Tom Ingram (chair), Bob Sheets, and Les Reid. A suggestion from Carl Cowen was to get the information out to the Deans in addition to the department chairs.
11. Jeff Poet reported about the online proceedings. The guidelines were given out with the registration packets. The deadline will be two weeks from the end of the section meeting.
12. Tim Ray reported that we are somewhat delinquent in getting a section NExT and ACCESS program started. Tim and Mary Shepherd will be getting a proposal up for next year.
13. Next year's meeting will be March 30, 31 for the competition, and 31 and April 1 for the section meeting. We should try to contact MoMATYC about working around our schedules. Jeff volunteered to work with getting the participants from the two year colleges to attend next year's meeting in Columbia.
14. A call needs to be made for additional host institutions beginning in 2010. Previous email from CMSU indicated their interest in being added to the list in 2010.

Respectfully submitted,

Mary Shepherd
Secretary/Treasurer

Minutes of MAA Missouri Section Business Meeting

April 2, 2005, Missouri Western State College

(Approval will be considered at the Spring 2006 Business Meeting: April 1, 2006.)

The Business Meeting of the Missouri Section was held in Spratt Hall 101 on the campus of Missouri Western State University, St. Joseph. Chair Jeff Poet called the meeting to order at 11:00 am.

15. Mary Shepherd awarded certificates to all students who presented papers at the meeting. She asked that the gratis membership forms be returned to her because Headquarters would like to receive all the forms from the section in one envelope.
16. The minutes of the 2004 Business Meeting were approved as published in the Spring 2004 Newsletter.
17. Jeff Poet reported on the Executive Committee Meeting, first recognizing and calling on Carl Cowen to report on activities at the national level.
 - a. Carl Cowen reported on the CUPM Guide and Illustrative Resources, Convergence (Online magazine with an emphasis on history), PREP programs, Project ACCESS, Project NExT,

- Mathematical Olympiad Summer Program, science policy initiatives, 3rd Annual Mathematics Study Tour, new books, MathFest, and Joint Meetings, The Carriage House—new conference center to open in 2006 (maybe), and greetings from national.
- b. Jeff reported that the Committee approved moving to an electronic form as default method of distribution for the newsletter starting with the Fall 2005 edition. In addition, Jeff reported on a job description for the Public Information Officer. The Committee approved removing the HS Lecturer Coordinator position. And finally, online notes for this meeting will be available for the first time about two weeks after the meeting.
 - c. The Committee received offers to host a meeting from UMSL and NWMSU. The schedule of Section meeting sites was announced as follows:
 - i. 2006 UMC
 - ii. 2007 College of the Ozarks
 - iii. 2008 SMSU
 - iv. 2009 Truman
 - v. 2010 UMSL
 - vi. 2011 NWMSU

After the business meeting Jeff was reminded that CMSU had volunteered to host a meeting and this had been approved by email so the actual schedule is as follows:

- i. 2006 UMC
- ii. 2007 College of the Ozarks
- iii. 2008 SMSU
- iv. 2009 Truman
- v. 2010 CMSU
- vi. 2011 UMSL
- vii. 2012 NWMSU

- 4 Leon Hall reported that most of his information was in Carl's report. The governor's report for the two national meeting is available online in the newsletters.

Book reviewers are needed for the MAA publications, online and otherwise (to Fernando Gouvea).

The dues structure is being looked at. There is a small increase in individual dues. Other categories subsidize other groups. The group getting the best deal is retired. Also, it is better for the MAA if an individual get more journals. Contact Leon if you want some input.

Be aware of and participate in the PREP programs.

Section level NExT is encouraged.

Physical location of webpage moved from Rolla to KC. One can avoid the "problem" of going to old web page on UMR server by making one's bookmark <http://www.maa.org/missouri>.

- 5 Mary Shepherd, Secretary/Treasurer, distributed the Treasurer's Report. The balance as of April 1, 2005 is \$4,668.14.
- 6 Jim Bruening, Newsletter Editor, is finishing his term with the next issue after this meeting. He has enjoyed his 6 year term. As reported, we are going to a postcard form to announce the online version. The newsletter will be going out in May and will contain reports from this meeting and include any announcements about summer workshops.
- 7 Les Reid, Student Chapter Coordinator, reported that NWMSU has a new student chapter. The webpage is up for student chapters. It is out of date and he will contact the liaisons for updates. Any suggestions on the web page are encouraged.
- 8 Shing So, High School Contest Coordinator, reported on the 4 contests. There were 6 first place winners with ties on 10A and 10B so the cash award will be up a little. We saved some because the governor did not have the open house last year (because of the campaign) so the photo expense saved. So had estimated a little high for the photos. The state competition booklet is available in the book exhibit and outside the auditorium. Also, look at the Missouri Journal of Mathematical Sciences. Some complimentary copies are available. There is a need for referees—go to CMSU webpage if you are interested. Subscription and submission of articles also encouraged. MathSciNet suspended relationship temporarily but it has now been reinstated. So is willing and wanting to continue to serve as Coordinator but if he resigns the national office will not replace him.
- 9 Junior High School Contest Coordinator Report—Robert Roe reported that Junior high coordinators are being discontinued (and centralized). He has bowed out and has no information.
- 10 Public Information Coordinator/Section Liaison Report—Sharon Vestal normally gets a governor's proclamation about Math Awareness Month, but it has not yet been received. If any one has activities related to MAM, send to Sharon or Jim Bruening. For Liaisons, if your e-mail address changes, please let Sharon know.
- 11 Web Page Administrator Report—Keith Brandt demonstrated the web page. Nothing significant has changed. The student chapters link is available now. Liaisons emails are there, please check them. Deaths of section members used to appear there. Liaison from affected institutions should notify Keith.
- 12 Jim Bruening served as the Nominating Committee since all the nominees volunteered and none had to be asked. He presented the following nominations.
 - i. Dix Pettey of UMC for Chair
 - ii. Craig Haile of College of the Ozarks for Chair-Elect
 - iii. Suzanne Tourville of Columbia College for Newsletter Editor

Nominations from the floor were requested but none were received. The individuals listed above were approved by the Section.

- 13 Jeff Poet reported that there were 15 runners/walkers this year. Winners were declared by a drawing. Third place went to Curtis Cooper—a cup, second place went to Linda Tansil—a Missouri Western water bottle, and first place went to Bob Sheets—a free publication.
- 14 Dix Pettey, incoming Chair reported on 2006 meeting. It will be in Columbia on Friday March 31-April 1. The run/walk will still be in daylight. Most of the meeting will be on campus including the bowling.
- 15 New/Old business
 - a. Dix called for appreciation to Jeff Poet for his work in planning the meeting.
 - b. Dix moved to have the secretary send letter to the appropriate official at Missouri Western expressing gratitude for their having hosted the meeting, approved.
 - c. From Executive Committee approved having the section spend up to \$300 total for the year to support one officer and governor to attend national meetings. This was approved at the business meeting, also.
 - d. Tim Ray is hoping to have a section NExT at Columbia next year. This will be available to faculty who are tenure track non-tenured or instructor level.
 - e. The Undergraduate Math Conference at SEMO will be Saturday, Nov 6, 2005. Please encourage students to get involved.
 - f. Robert Roe announced that April 15, 2005, Bob Devaney will be at UMR to give the first Ingram Lecture. Handouts are available outside the door.
 - g. Meeting adjourned at 11:53 am.

Respectfully submitted,

Mary Shepherd
Secretary/Treasurer

2005 Workshops and Conferences

June 5 - 12, 2005, Workshop for Preparing of Elementary / Middle-School Teachers, Clark Atlanta University, Atlanta, GA.

Directors: Barbara Ferguson, Kennesaw State University, email bferguso@kennesaw.edu
 Sandra Rucker, Clark Atlanta University, email srucker@cau.edu

Program Components: Demonstration class of pre-service elementary teachers, Focused Student Interview Sessions.

June 12 - 24, 2005, Workshop for Preparing of Elementary / Middle-School Teachers, Kent State University, Kent, OH.

Invited Speakers: **Patsy Fagan**, *Calculators for elementary school teachers*
David Henderson, Daina Taimina, *Experiencing Geometry, Euclidean and Non-Euclidean with History*
Michael Mikusa, Kent State University
Jerry Moreno, John Carroll University, *Statistics for elementary school teachers*

June 20 – July 1, 2005, Preparing Future High School Teachers, University of San Diego, San Diego, CA.

Invited Speakers: **Magnhild Lien**, California State University, Northridge, CA., **Joe Fiedler**, California State University, Bakersfield, CA., **Jane Friedman**, University of San Diego, San Diego, CA., **Elena Marchisotto, Anthony L. Peressini, Dick Stanley**, and **Zalman Usiskin**, authors, *Mathematics for High School Teachers; an Advanced Perspective*.

July 10 – 16, 2005, Workshop on Mathematical Preparation of Middle and High School Teachers with Focus on Algebra, Park City Mathematics Institute, Park City, Utah.

Directors: Patrick Callahan, University of California, Office of the President
 William McCallum, University of Arizona, Department of Mathematics

The workshop is aimed at university and college faculty who teach or are interested in teaching class for the preparation of middle and high school teachers. The core activity of the program will be the observation and analysis of a demonstration class for prospective teachers taught to undergraduates at the University of Utah. There will also be afternoon sessions with leading educators and mathematicians.

July 17 – 29, 2005, Workshop on Mathematical Preparation of Elementary Teachers with Focus on Ethnomathematics, Southwestern Indian Polytechnic Institute, Albuquerque, NM.

Directors: Joan Goodman, Southwestern Indian Polytechnic Institute
 Bernie Madison, University of Arkansas