

Meeting Announcement

MAA Book Sale

Call for Papers

Missouri MAA Collegiate Mathematics Competition

Congratulations to Professor Robert Kennedy

Teaching Award: Call For Nominations

Minutes of Missouri Section Executive Committee Meeting

Minutes of MAA Missouri Section Business Meeting

Future Meeting Sites

From the Governor: Al Tinsley, CMSU

Titu Andreescu: Director American Mathematics Competitions

From the Campuses

MEETING ANNOUNCEMENT

To: All Missouri Mathematicians

From: John Koelzer, Chair of the MAA Missouri Section

The **Mathematics Department at Rockhurst College** is looking forward to being your host at the **Spring Sectional Meeting of the Missouri Section of the MAA** on our campus in Kansas City, Missouri on **April 9 and 10, 1999**. This will be a **joint meeting** with the Kansas City Area of Teachers of Mathematics, and the Missouri Mathematical Association for the Advancement of Teacher Training. We encourage you and your students to submit abstracts for contributed papers for the meeting.

We will hold the **Fourth Annual Missouri MAA Collegiate Mathematics Competition** on **Thursday evening, April 8 and Friday morning, April 9**. Complete details appear on page 2 of this

Newsletter and on the Section webpage. The number of teams competing has grown every year, and we would love to continue the pattern this year.

Mark your calendars for the Section Meeting on April 9 and 10 and let us show you that **"Everything's up to date in Kansas City !"**

MAA BOOK SALE

20% discount, below member price, for all meeting registrants

CALL FOR PAPERS

You are invited to present a paper at the Spring Meeting. Papers are to be between 15 and 20 minutes in length and may be on research topics or expository in nature and may deal with any topic in mathematics or mathematics education. For example, papers may pertain to your current mathematical scholarly activity, new courses that you have developed, or successful techniques you have found useful in teaching. You may opt to design a presentation directed to the undergraduate and graduate students attending the meeting.

Also, faculty are urged to assist honors students in presenting papers at the meeting. MAA student memberships will be awarded as prizes for the top student papers.

The presenter's name, title, affiliation, title of paper, and abstract should be sent to:

John Koelzer

Rockhurst College

1100 Rockhurst Road

Kansas City, MO 64110

Deadline for receipt of abstracts is **February 1, 1999.**

Please use the form at the center of this Newsletter.

MISSOURI MAA COLLEGIATE

MATHEMATICS COMPETITION

The fourth Missouri MAA Collegiate Mathematics Competition will be held Thursday, April 8, 1999 and Friday, April 9, 1999 on the campus of Rockhurst College in Kansas City, Missouri. Any college or university in the state of Missouri can send up to two official teams of 1-3 undergraduates each to compete in the competition. Unofficial teams will be allowed to compete, depending on the number of available spaces, but will not be eligible for awards. They will also be charged the normal registration fee. A one-person team will only be allowed in the competition if this person is his or her college's only representative in the competition. A completed registration form for each team must be sent one week before the competition begins. Late registration will be accepted only if there is room for the team in the competition. No calculators or computers or reference material can be used during the competition.

The contest will consist of challenging mathematical problems, comparable but not quite as difficult as the Putnam Exam. The Putnam Exam is a national exam sponsored by the MAA and given to outstanding college mathematics students. Previous Putnam Exams can be found in past October issues of the American Mathematical Monthly. The first session will begin on Thursday, April 8 at 7:30 pm and last until 10 pm and will consist of 5 problems for each team to solve. The second session will begin on Friday, April 9 at 8:30 am and will end at 11 am. It will also contain an additional 5 problems. Each problem will be worth 10 points and will be scored by a committee of the MAA Missouri section. The committee consists of the following members: Mangho Ahuja (SEMSU), Jim Bruening (SEMSU), Hang Chen (CMSU), Curtis Cooper (CMSU), Joseph B. Dence (UMSL), Leon Hall (UMR), and Alvin Tinsley (CMSU). Some partial credit may be earned for substantially correct work toward a solution to the problem.

There will be a registration fee of \$25 per team. A complementary continental breakfast will precede the Friday morning competition. Each team member and the faculty sponsor are invited to a Friday luncheon at 12 noon. Each team member is also invited to be a guest at the MAA Missouri Section Banquet on Friday night. At that time, the results of the competition will be announced. A traveling trophy will be awarded to the first place team. In addition, each member of the first place team will receive a plaque. Certificates will also be given to each participant in the competition.

Any questions about the competition can be sent to

Science

Curtis Cooper

Department of Mathematics and Computer

Central Missouri State University

Warrensburg, MO 64093-5045

Phone: (660) 543-8851

FAX: (660) 543-8006

Email: cnc8851@cmsu2.cmsu.edu

Congratulations to Professor Robert Kennedy

Dr. Robert Kennedy, Professor of Mathematics at Central Missouri State University, was named recipient of the 1998 Missouri Section Award for Distinguished College or University Teaching of Mathematics. At the Section's spring banquet in Springfield, Dr. Kennedy was honored for his excellence in teaching which spans more than thirty years. He was cited for his masterful approach of working with students as well as his impressive record of research, publications, and professional talks.

Several of Dr. Kennedy's students wrote letters of support. Kathleen Roy wrote, "When I returned to school, after an extended break, I was very apprehensive about the challenges I might encounter. Fortunately, my first class was taught by Dr. Kennedy. The way he structured his class immediately put me at ease and encouraged me to be an involved member of the class. By the end of the semester, I had the confidence needed to continue with my degree." Radhakrishnan Srikant wrote, "I have found Dr. Kennedy to be readily available to answer even the remotest of mathematical questions every time that I approached him. I personally consider him to be one of the most amiable blend of a teacher, guide, and friend."

Dr. Kennedy was also recognized for being coordinator of the Missouri Section's Visiting Lecturer program from 1984 to 1997.

CALL FOR NOMINATIONS

1999 MISSOURI SECTION AWARD FOR DISTINGUISHED COLLEGE OR UNIVERSITY TEACHING OF MATHEMATICS

Nominations for the 1999 Missouri Section Award for Distinguished College or University Teaching of Mathematics are now being accepted. The Missouri Section awardee will be honored at the Spring 1999 meeting of the Section and will be widely recognized and acknowledged within the Section. The awardee will also be the official Section candidate for the pool of Section awardees from which the national recipients of the MAA Deborah and Franklin Tepper Haimo Awards for Distinguished College or University Teaching of Mathematics will be selected except that one of the national winners may be selected from another source. There will be at most three national awardees, each of whom will be honored at the national MAA meeting in January 2000 and receive a \$1,000 check and a certificate.

Anyone is entitled to make a nomination, but nominations from chairs or MAA liaisons in departments of mathematical sciences are specially solicited. For this reason, this call for nominations is sent to both department chairs and MAA liaisons so that the responsibility for nominations can be shared between them.

We urge you to submit a nomination if you have someone eligible and qualified in your department in order that your candidate has an opportunity to be considered for the Section Award and, if so selected, also for the national award. Even if not selected this year, it is an honor for someone to have been nominated, your department will receive recognition for its commitment to excellence in teaching, and the work done in preparing a nomination folder for your candidate is not wasted since your candidate can be nominated again in a future year. Self-nomination is not permitted.

Eligibility

- College or university teachers assigned at least half-time during the academic year to teaching a mathematical science in a public or private college or university (from two-year college teaching through teaching at the Ph.D. level) in the United States or Canada. Those on approved leave (sabbatical or other) during the academic year in which they are nominated qualify if they fulfilled the requirements in the previous year.
- At least five years teaching experience in a mathematical science.
- Membership in the Mathematical Association of America.

Guidelines for Nomination

The nominees should

- be widely recognized as extraordinarily successful in their teaching*
- have teaching effectiveness that can be documented
- have had influence in their teaching beyond their own institutions**
- foster curiosity and generate excitement about mathematics in their students.

*"teaching" is to be interpreted in its broadest sense, not necessarily limited to classroom teaching (it may include activities such as preparing students for mathematical competitions at the college level, for example, the Putnam Prize Competition or the Mathematical Contest in Modeling, or attracting students to become majors in a mathematical science or to become Ph.D. candidates).

**"influence beyond their own institution" can take many forms, including demonstrated lasting impact on alumni, influence on the profession through curricular revisions in college mathematics teaching with national impact, influential innovative books on the teaching of college mathematics, etc.

Nominations must be submitted on the "**Nomination Form**" found at the center of this Newsletter. Please follow the instructions on that form precisely to assure uniformity in the selection process both at the Section and national levels.

If a file on a Section awardee significantly exceeds the prescribed limits (as stated on the back of the Nomination Form), it will not be considered for a national award and will be returned to the Section.

Please send **four** copies (to be received no later than **December 14, 1998**) of each nomination packet to

Susan Callahan

Cottey College

1000 W. Austin

Nevada, MO 64772

(If you wish to nominate someone in another Section, the packet should be sent to the Secretary of the nominee's Section.)

The Section Selection Committee will select the Section awardee and communicate its selection to the national selection committee no later than February 1 so that the national Committee can then make its selections.

We look forward to your participation in this exciting MAA venture of taking substantive action to honor extraordinarily successful teaching. We want to see such teaching recognized at all post-secondary school levels. We depend on you to help us identify those who merit such recognition.

Minutes of Missouri Section Executive Committee Meeting

April 17, 1998 Southwest Missouri State University

(Approved October 24, 1998)

The following members of the Executive Committee were present:

University	Chair	Jim Downing, Southwest Missouri State
	Vice-Chair	John Koelzer, Rockhurst College
	Past-Chair	David John, Missouri Western State College
	Governor	Al Tinsley, Central Missouri State University
	Newsletter Editor	Vic Gummersheimer, Southeast Missouri State University
	Secretary-Treasurer	Yungchen Cheng, Southwest Missouri State University
Absent	Judith Colburn	Lindenwood College

1. Jim Downing called the meeting to order at 11:40 a.m.

2. Some discussion was held regarding MAA membership recruitment and retention. Retirees should be encouraged to keep up membership. What should be the role of math education research? Should the National group try to establish a collegiate math special interest group? Faculty involved with that may not be MAA members.

David John reported that our students are somewhat involved. Three of them are presenting papers and one may be published. We are trying to get more members from math educators.

3. John Koelzer said the dates for next year's meeting will be either April 9 and 10 or April 16 and 17 at Rockhurst College.

4. The MAA will offer a meritorious service award to a member of the Missouri Section in 2003. Nominations are due May 1, 2002. Nomination forms are accessible on the Missouri Section web page. The chair of the section in 2002 will appoint a selection committee and the nomination forms will be submitted to the chair of that committee.

David John questioned whether it might become necessary to limit the number of presentations because of the growth. If we have to start screening, it might be more convenient to form a committee at the hosting institution. Or we could go to two full-day forums. We might form a committee to study procedures for screening papers and also the potential problems mentioned by the Rocky Mountain section.

5. Yungchen Cheng distributed the Treasurer's Report. The current balance is \$5,603.26. We once again received a \$1,000 Exxon Grant. Most of this will be used up for student activities.

6. Vic Gummersheimer reported that the newsletter is the same format as before. The information is also available on the web page. In the spring, he mails out a hard copy to encourage attendance at the meeting. There are no pictures in the newsletter, but those are or will be on the web page. Send any pictures to Curtis Cooper for the web page.

7. Nominations announced by Jim Downing were: Vice Chair, Curtis Cooper (Central Missouri State University); Secretary-Treasurer, Susan Callahan (Cottey College); High School Contests, Shing So (Central Missouri State University); and Jr. High School Contests, Robert Roe (MU-Rolla)

8. Regarding the ad hoc committee, Wayne McDaniel of St. Louis University was the chair and he felt unable to do this job. Anita is on sabbatical, and she felt the same, so we'll have to start over. Members should be encouraged to use email and the web page. We need to have better liaison with those outside of academia. Possibly the vice chair should be given the task of contacting department liaisons.

9. Jim Downing said that Troy Hicks suggested the recipient of the teaching award this year give a 30 to 50 minute talk at next year's meeting - perhaps for the banquet address.

10. Regarding NExT Project, it was suggested that we talk to other section coordinators to see what is being done in their sections.

11. MAA is joining with AMS and NCTM to develop minority participation. MAA will provide consulting with those organizations; the question is whether to merge with other groups.

12. Stickers for name tags were sent from MAA. Follow through for next year for executive committee. Officers, first-timers, student chapter advisors, should be indicated on the application or follow-up on the form.

13. Since our financial state is healthy, we might consider obtaining some good projects from members to utilize these funds.

The meeting was adjourned at 12:40 p.m.

Respectfully submitted,

Yungchen Cheng

Secretary-Treasurer

Minutes of MAA Missouri Section Business Meeting

April 18, 1998 Southwest Missouri State University

(Approval will be considered at the Spring 1999 Business Meeting: April 10, 1999)

The business meeting of the MAA Missouri Section was held in Cheek Hall 102 on the campus of Southwest Missouri State University on April 18, 1998. The meeting was called to order by Chair Jim Downing at 11:05 a.m.

1. Jim Downing reported that there were at least 79 paid registrations, and 10 students presented papers.
2. To recognize those students who made presentations, Jim Downing presented a certificate and offered a one-year MAA student membership to Laurel Berner, George Bodurov, Lisa Crosby, Janita Leggett, Jennifer Moehlmann, Chris Mueller, Nichole Penn, Marty Witt, and Jamie Wolf.
3. The minutes of the Spring 1997 business meeting, as published in the Fall 1997 Newsletter and appearing on the web page, were approved.
4. Al Tinsley, Section Governor, encouraged participation in "Math Fest 98", to be held July 15-18 at Ryerson Polytechnical University in Toronto. Registration will enable you, at no additional cost, to attend the SIAM conference on the University of Toronto campus. Student papers can be submitted as late as June 12, and must be nominated by faculty who are knowledgeable with the students' work. Forms are available on-line. IMO 2001 USA, Inc., a non-profit organization set up for tax advantages, plans and conducts the International Mathematics Olympiad, which will be hosted by the U.S. in 2001. Walter Mientka is resigning as executive director of AMC to become executive director of IMO; there is a national search committee to replace him.
5. Yungchen Cheng, Secretary-Treasurer, distributed the treasurer's report. The current balance is \$5,603.26. He mentioned that we received another \$1,000 Exxon grant for the fifth year in a row, and this helps pay for student-related activities at meetings.
6. Vic Gummersheimer, Newsletter Editor, commented that the Newsletter goes out in the fall and spring. Next fall's issue will include the minutes of this meeting and the Governor's report, and news from various campuses. Other items included may be a call for papers and call for nominations for teaching awards, upcoming meetings and contests. Also, he would like to conduct a survey about such things as placement and textbooks used on various campuses.

The Spring newsletter was smaller than usual as it was also published, with additional news, on the web page; please let him know if you think this was useful.

7. Rhonda McKee, High School Lecture Coordinator, reported that advertising was put in the MCTM Bulletin and the MAA web page, and responses were received. Eighteen teachers volunteered to give lectures this year; and thirteen high schools requested information about the program. Four people gave six lectures. Kurt Killion gave two at Billings High School; Kim Volmer gave one at Christian High Schools of Springfield; Larry Campbell gave one at West Plains High School, and Rhonda McKee gave two at Savannah High School. Let her know if you give a lecture. Rhonda thanked Al Tinsley and the American High School Mathematics Examination Program for paying part of their expenses. She mentioned that letters go out to all high schools in the state about the high school exam program, and on the back of that letter is one telling about the high school lecture program.

8. Al Tinsley, High School Contest Coordinator, reported that Missouri high schools ranked in top decile in the American High School Mathematics Exam. David Ashere had the highest score in the state, and he will be presented to the Governor. The four highest scoring students will receive a plaque. Seventy high schools participated this year compared to seventy-eight in 1997. The difficulty of tests is cyclic, so teachers react by registering in alternate years. There were 66 honors scores last year and 106 this year. Discussion was held regarding increasing the amount of the cash awards. Currently they are \$100, \$75, \$50, and \$25. It was moved and seconded and approved to continue giving those prizes, and in addition to give \$10 prizes to the next 10 highest scorers.

9. Leon Hall reported for Robert Roe, the Junior High School Contest Coordinator, who was not present. The junior high school examinations are given in the fall. The junior high student scoring highest in the state will be presented to the Governor on the 20th.

10. Jerry Wilkerson, Public Information Coordinator, commented on Math Awareness Week. Your department liaison received a mailing with ideas. He encouraged everyone to visit the Missouri section web site. The address is inside the front cover of the newsletter.

11. Curtis Cooper, Web Administrator, stated that the web page address is changed; it is current on the MAA home page: www.math-cs.cmsu.edu/maa.html. The e-mail and mailing addresses for Missouri section officers are on the home page, as well as a list of liaisons. There is a list of forms available, including registration, contest registration, abstract, teaching award, and meritorious service award forms. Send him any information you wish to put on the web page.

12. Curtis Cooper, Collegiate Mathematics Competition, gave the results of the latest competition.

Twenty-one teams participated this year, a 50% increase over last year. Washington University team B took 1st; their Team A took 2nd, MU-Columbia A Team took 3rd, and MU-Rolla Team B took 4th. Rockhurst College will use the same format schedule as this year. These results are on the web page, including many pictures.

13. The Nominating Committee's slate was presented to the Section: Curtis Cooper of Central MO State University, Warrensburg, for Vice-Chair, Shing So of Central for High School Contest Coordinator, Susan Callahan of Cottey College for Secretary-Treasurer, and Robert Roe of MU-Rolla for Jr. High School Contest Coordinator. There were no further nominations from the floor. The Committee's nominations were accepted. It was moved, seconded, and approved that a letter of appreciation be sent to Al Tinsley for his 23 years as contest coordinator.

14. John Koelzer announced that the regional meeting will be held next year on April 9 and 10, at Rockhurst College, Kansas City. The project NExT is a national program of MAA to help new college teachers. He suggested we explore ways to implement some of those activities at the sectional level. We might use an ad hoc committee to analyze roles and functions of the section, to modify, streamline, eliminate or combine activities. Changes were made where necessary; give input to the liaison's web page.

15. Jim Downing reported that there were 16 participants in the 5K Run/Walk. Names were drawn and winners received a walnut, oak, or wild cherry clock crafted by Jim. Winners were Richard Belshoff, Shirley Huffman, Mark Sand, Shirley John, and Jim Ashley. Songlin Tian was the winner of a free book (up to \$15 value).

16. The ad hoc committee will continue to work on the NExT project.

17. It was moved, seconded and approved that the secretary write to SMSU to express their appreciation for hosting the convention.

18. Jim Downing informed the members that the Rocky Mountain section wrote that they have been receiving some "crank" papers. The executive committee will make modifications in the future.

The meeting adjourned at 12:10 p.m.

Respectfully submitted,



Yungchen Cheng

Secretary-Treasurer

Future Meeting Sites

The Spring Meeting is held at various locations around the state. As part of its long-range planning, the Executive Committee is entertaining invitations for future meetings in 2003 and thereafter. The meeting sites for the past several years and the next four years are listed below for your convenience. If your campus would be willing to host a Spring Meeting, please contact John Koelzer, Chair.

1984	Southeast Missouri State University	1994	Missouri Southern State College
1985	Central Missouri State University	1995	Central Missouri State University
1986	Southwest Missouri State University	1996	Southeast Missouri State University
1987	Truman State University	1997	Missouri Western State College
1988	Washington University	1998	Southwest Missouri State University
1989	University. of Missouri-Columbia	1999	Rockhurst College
1990	College of the Ozarks	2000	Central Missouri State University
1991	University of Missouri-Rolla	2001	U. of Missouri-Rolla
1992	Northwest Missouri State University	2002	Truman State University
1993	Westminster College	2003	?

From the Governor

Tinsley, CMSU

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The Board of Governors met in Toronto on July 15, 1998. Ken Ross served as acting secretary in the absence of Martha Siegel who was having chemotherapy. James Tattersall, Associate Secretary, announced that the meeting of MAA next summer will be in Providence, RI. Attention was called to future meetings which have received Board approval. They are as follows:

January 13-16, 1999, in San Antonio, TX

January 19-22, 2000, in Washington, DC

January 10-13, 2001, in New Orleans, LA

Jerry Porter, Treasurer, announced a 1997 budget surplus of \$65,000. He stated that the MAA Investment Fund had benefited from the robust stock market in 1997 and had increased in value by \$432,000. The total value of the investment fund was reported to be \$2,342,093.

Barbara Faires, Chair of the Budget Committee, recommended that the 1999 dues matrix reflecting a 5% increase be approved. The matrix, endorsed by the Executive and Finance Committee, was passed by a voice vote of the Board.

Neil Beskin revealed that a generous bequest had been made by a donor whose name could not be released at the time of the Toronto meeting. The gift valued at \$140,000 is intended to support an awards program for students taking the AHSME.

Marcia Sward, Executive Director, announced that Tito Andreescu will succeed Walter Mientka as Executive Director of the AMC and that Walter will assume the position of associate director next year. She stated further, that Exxon had contributed \$5,000 as a memorial to Jim Leitzel and that 11 Tensor grants had been awarded.

Don Albers, Associate Executive Director for Publications and Electronic Services, reported that the sale of MAA books had passed the half-million dollar mark as of June and that last year's sales totaled more than one-million dollars. He stated further, that the Basic Library List and the Monthly searchable data bases would soon be available on MAA Online. The Math Magazine and College Math Journal are now available there. JSTOR will soon include the Monthly and the direct cost to MAA will be the postage required to send the articles for scanning. Don's final act consisted of circulating the new publications among the board members, thoroughly describing each, and presuming that each of us would want to purchase the complete set.

Caroline Fuchs, Director of Marketing and Membership, stated that membership for 1998 is down to 26,869 and that the overall retention rate was at 77%. She attributed the decline to decreased promotional activities in 1997, lower retention of Gratis members, and a pool of prospective members that has become flat. The preparation of a "tool-kit" to help liaisons develop student and institutional membership along with the involvement of graduate students were proposed as ways to enhance membership.

Carol Shaw, Director of Development, reported that she will pilot a survey to see what member needs are and that a manual for grant PI's will soon be released. She added that the Deborah Tepper Haimo Teaching Award is now fully funded.

Bill Hawkins stated that SUMMA has much less funding than in the past, but that Carnegie funding may be requested to target secondary school mathematics departments so that minorities at that level may be reached. A request for support will be submitted to the NSA.

Dick Gibbs, Chair of the Committee on American Mathematics Competitions, reminded the board members that the 50th anniversary of the AHSME will be marked next year and asked that each section promote the event. The 1998 IMO team was unique in that it had its first female member and three members were freshmen. School Science and Mathematics has become the thirteenth sponsor of the AHSME. The US will host the 2001 IMO.

Action items included selecting the nominating committee members, approving the candidates for the awards for Distinguished College or University Teaching of Mathematics, approving candidates for Meritorious Service Awards, approving the Chauvenet Prize recipient, approving the Gung-Hu Award for Distinguished Service to Mathematics, approving the Hedrick Lecturer, approving two new members of the editorial board of the College Mathematics Journal, and approving a proposal to implement a previous motion to add the chair of the Coordinating Council on Publications as an option for selecting someone to represent publications on the Executive Committee.

Jim Tattersal explained that five sites had originally been considered for MathFest 2000 and that San Jose and Boulder were sent questionnaires to determine their willingness to host. We will be in competition with the ICME 9 meeting in Japan July 13 through August 7 and with AMS's Mathematics Challenges of the 21st Century meeting at UCLA August 7 through 12. After a lengthy discussion covering such issues as loss of attendance, inconvenience to Pi Mu Epsilon and Project NExT if we do not meet, whether to meet at or near UCLA, and whether to meet two or three days, the board voted in favor of holding MathFest 2000 at or near UCLA on August 3 through 5.

Chris Stephens reported that 63 new faculty were involved in Project NExT, and she urged sections to start Project NExT-like programs. A modest amount of EXXON money is available to sections for this purpose. The board approved a proposal by Chris to establish the annual James R. C. Leitzel Lecture with the understanding that the lecture would become financially self-sustaining within three years and that the funds would be raised from the membership and friends of James Leitzel separate and apart from the general funds of the Association. Ken Ross stated that the lecture would likely occur during a morning session.

Ken Ross, Chair of the Task Force on the NCTM Standards, reported that his committee had submitted its Round 3 responses. The Association Review Groups had identified a number of areas within

discrete mathematics that should be considered in Standards 2000, including iteration and recursion, graph theory, the binomial theorem, and combinatorics.

Gerald Porter reported that the Executive Committee has approved the following with respect to the Association for Research in Undergraduate Mathematics Education (ARUME):

1. The following shall be scheduled at each national meeting of MAA:
 - a) an ARUME business meeting,
 - b) a reception following the meeting,
 - c) a contributed paper session.
2. The ARUME newsletter shall be hosted on the MAA webserver and linked to MAA Online.
3. Information about ARUME meetings and/or publications should appear in FOCUS.
4. ARUME can seek funding for workshops, etc. through the MAA and take advantage of MAA's tax status.
5. Expository articles on the finding and implications of mathematics education shall appear on MAA Online and, as appropriate, in the various other journals of the association.
6. Activities at the annual meetings aimed at the general audience and sponsored by ARUME shall be scheduled as are other activities at the meetings. Ed Dubinsky stated that ARUME will "come into existence" on Thursday at the San Antonio Meeting.

Fernando Gouvea encouraged all to visit the web site and send contributions. The most active areas are Book Reviews, Students and Student Chapters, and News and Features. Teaching and learning is catching on more slowly. At the time of the Toronto meeting, the page was getting 150,000 hits per day.

Titu Andreescu appointed

Director of the American Mathematics Competitions

Washington, DC -- The Mathematical Association of America (MAA) has announced the appointment of Titu

Andreescu as Director of the American Mathematics Competitions (AMC). Andreescu, who has served as Chair of the USA Mathematical Olympiad Committee, Head Coach of the International Mathematical Olympiad Team, and Director of the Mathematical Olympiad Summer Program, assumes this position in January of 1999.

Before joining the staff of the MAA, Andreescu was an instructor of mathematics at the Illinois Mathematics and Science Academy (IMSA) in Aurora, Illinois, where he was Editor of the IMSA Math Journal and Coach of the Mathematics Team of the Academy. From 1981 through 1989, he served as Distinguished Professor of Mathematics at Loga Academy in Timisoara, Romania. While living in Romania, he was appointed Counselor to the Romanian Ministry of Education and served as Secretary of the Romanian Mathematical Society, Timisoara, and Editor-in-Chief of the Timisoara's Mathematical Review.

MAA President Gerald Alexanderson states "Titu Andreescu brings to this position an impressive background in national and international competitions. The American Mathematics Competitions are fortunate to have a leader with such strong skills in problem-solving, coaching, and teaching."

Andreescu's response: "I am honored to be appointed Director of the American Mathematics Competitions and look forward to the challenges of this position. I will work diligently toward giving AMC an even greater role in improving American mathematics education."

Andreescu received the Distinguished Teacher Award in 1983 from the Romanian Ministry of Education and the Edith May Sliffe Award for Distinguished High School Mathematics Teaching from the MAA in 1994.

Andreescu succeeds Professor Walter E. Mientka, of the University of Nebraska, who has served as AMC Executive Director for 23 years. Dr. Mientka has accepted the position as Executive Director of the International Mathematical Olympiad 2001 U.S.A., Inc.

The American Mathematics Competitions (AMC) is sponsored by thirteen national associations in the mathematical sciences. It is a program of the Mathematical Association of America.

The sponsoring organizations are: American Mathematical Association of Two-Year Colleges, American Mathematical Society, American Society of Pension Actuaries, American Statistical Association, Casualty Actuarial Society, Consortium for Mathematics and Its Applications, Mathematical Association of America, Mu Alpha Theta, National Association of Mathematicians, National Council of Teachers of Mathematics, Pi Mu Epsilon, School Science and Mathematics Association, and the Society of Actuaries.

From the Campuses

Central Missouri State University (Warrensburg)

Rhonda McKee and Songlin Tian were promoted from Associate Professor to Professor.

Rhonda McKee was elected Vice President of the Faculty Senate at CMSU.

Robert Kennedy was given the MAA Distinguished Teaching Award for the Missouri Section.

Curtis Cooper is the new Editor of The Fibonacci Quarterly.

Shing So is the new Missouri Director - American High School Mathematics Examination. So replaced Alvin Tinsley, who had been Missouri Director of the American High School Mathematics Examination for the past 23 years.

Terry Goodman and Rhonda McKee are Project Co-Directors for the Missouri Undergraduate Faculty Enhancement. The most recent MUFE conference, Calculus for the 21st Century, was held at the Inn at Grand Glaize, Osage Beach, Missouri on October 8-9, 1998. (Submitted by Curtis Cooper)

Culver-Stockton College (Canton)

Gary Cochell and Atul Roy taught this past summer at Cornell University.

Atul Roy recently presented on using Excel in elementary statistics at the Kansas City Technology Expo.

Gary Cochell is working on a historical module as part of the NSF and NCTM sponsored Institute on the History of Mathematics.

The Math Club sponsored a campus quiz bowl last spring. (Submitted by Gary G. Cochell)

Drury College (Springfield)

Our math club sponsor is Charles Allen. The club runs a tutoring service for students at Drury and holds several social events, both on campus and at the homes of the faculty members.

The general education component in mathematics and science at Drury was developed under an NSF grant. That development is now completed, and the courses have received national attention for their innovative approaches. The Mathematics and Inquiry class is a model for a reformed approach to

teaching mathematics at the pre-calculus level. Our division recently received an additional NSF grant to integrate the mathematics and science component throughout the general education curriculum. (Submitted by Carol Collins)

Harris-Stowe State College (St. Louis)

Math Club: We have organized and affiliated a chapter of Kappa Mu Epsilon as of May, 1998. We also have a math club which meets two or three times a semester for a presentation of a mathematical topic and refreshments. Dr. Podleski is the sponsor. (Submitted by Jack Behle)

Missouri Western State College (St. Joseph)

This Fall Dr. Timothy Miller accepted a tenure track position in mathematics and Elaine Hauschel accepted a one year position in mathematics.

Bill Houston retired in May after 32 years of teaching mathematics at Missouri Western State College.

Missouri Western St. College is advertising a full time tenure track position in Mathematics. The deadline for submission of application materials is February 1, 1999. (Submitted by Jerry Wilkerson)

Saint Louis University (St. Louis)

The Department was awarded an NSF ILI grant for a computer classroom that will be used for instruction in linear algebra, abstract algebra, informal geometry, and computer science. Professor Christine Stevens is the principal investigator, and Professors Russell Blyth and Mike May, S.J., are co-principal investigators.

As director of Project NExT (New Experiences in Teaching), the MAA's national professional development program for new and recent Ph. D's that focuses on the teaching and learning of undergraduate mathematics, Professor Stevens organized a workshop in Toronto, Canada, July 13-15, 1998. Project NExT is supported, in part, by a grant from the Exxon Education Foundation,

Five new faculty joined the Saint Louis University Mathematics and Computer Science Department this fall. They include Anneke Bart with her PhD from the University of California at Santa Barbara in the area of Geometric Topology and Hyperbolic Geometry; Julianne Rainbolt, with her PhD from the University of Illinois (Chicago), in the area of Group Representation Theory, and Kevin Scannell, with his PhD from UCLA in the area of Geometry and Topology. In addition, Drs. David Jackson and Dennis Wacker were re-assigned from another department in the University to the Department of

Mathematics and Computer Science. They specialize in algebra and statistics, respectively.

Southeast Missouri State University (Cape Girardeau)

Dr. John E. Young retired at the end of the Spring semester. He joined the Southeast faculty in 1968.

New Faculty Members:

Craig Roberts, Ph.D. from St. Louis University, Geometry and Mathematics Education

Jerzy Wojdylo, Ph.D. from Iowa State University, Algebra and Combinatorics

Stuart Swope, M.A. from Florida State University, Mathematics Education

Dr. Timothy Ray was granted tenure and promoted to Associate Professor.

The Department is conducting a search to fill an additional position in Statistics. Application review begins December 31, 1998.

Dr. Mangho Ahuja received the Service Award from the College of Science and Technology.

(Submitted by Vic Gummersheimer)

Southwest Missouri State University (Springfield)

New Faculty: David Ashley, Ph.D., Florida State University, Mathematics Education

Tenure: Larry Campbell, Lynda Plymate

Promotion: Lynda Plymate (to Associate Professor)

Award: Larry Campbell and George Mathew (1998 SMSU Excellence in Teaching), Paula Kemp (1998 SMSU Foundation Excellence in Service); Kanghui Guo and Shouchuan Hu (1998 CNAS Excellence in Research); Kishor Shah (1998 CNAS Excellence in Service); Lisa Burger and Mariam Ligon (1998 SMSU KME Merit Award)

Sabbatical: Cameron Wickham (1998-99); Xiang Ming Yu (1999 Spring)

On Leave: Vera Stanojevic (Assistant to the President, 1998-99)

Retiring: Jim Downing, Mel Foster (December 1998)

External Grant: Larry Campbell (DESE Math Attack)

Internal Grant: Larry Campbell, Shelby Kilmer and George Mathew (Funding-For-Results); Yingcai Su (University Grant, Summer Faculty Fellowship); Shouchuan Hu (Summer Faculty Fellowship)

Special Event: SMSU hosted the annual MAA - Missouri meeting in April.

The Mathematics Development Center was merged with the Mathematics Department in Fall 98.

Special Projects: Mediated Learning classes in Intermediate Algebra (using Academic Systems' interactive software) resumed in Fall 98. (Submitted by Jim Downing)

St. Charles County Community College (St. Charles)

The Math Club at St. Charles County Community College held a very successful Math Contest for high school students in April 1998. Planning is underway for another math contest in Spring 1999. (Submitted by Wanda Long)

Truman State University

Five new faculty joined the ranks at Truman to replace Dr. Joe Flowers and Dr. John Bartling, both of whom retired, and other faculty members who departed for other reasons. The new faces in the Division belong to Don Bindner, Visiting Assistant Professor, ABD, University of Georgia, Operator Theory; Pramod Kanwar, Visiting Assistant Professor, Ph.D., University of Ohio, Algebra; Jason Miller, Assistant Professor, Ph.D., University of North Carolina, Chapel Hill, Calculus on Manifolds: Nonlinear Operators; Dana Vazzana, Assistant Professor, Ph.D., University of Michigan, Algebraic Geometry; Tony Vazzana, Assistant Professor, Ph.D., University of Michigan, Algebraic Number Theory.

Dr. Joe Flowers took advantage of our early retirement incentive and has moved to San Antonio, Texas, where he has a temporary position at Trinity University. Joe was on the faculty at Truman from 1969 to 1998.

Dr. John Bartling also took early retirement last May, having served on the faculty here since 1967. He and his wife Janie continue to live in Kirksville.

Dr. Kenneth Price, Visiting Assistant Professor, who joined the faculty last year, was named a Project NExT Fellow for the current year. Ken received the Ph.D. at the University of Wisconsin, Milwaukee, specializing in Ring Theory.

Dr. Jay Belanger had a successful tenure review and has been promoted to Associate Professor. Dr. Belanger joined the faculty at Truman in 1993 having earned the Ph.D. at Princeton University and taught at Purdue University, University of Michigan at Flint, and Wilkes College. His research interests are in Complex Analysis and Complexity Theory.

Dr. Susan LaGrassa is the project director for the second implementation year of a GOALS 2000 pre-

service education grant, Making Advancements in Teacher-training Happen by Encouraging More Active Technology usage, Instructional Techniques, and Collaborative Strategies (MATHEMATICS), funded by the Department of Elementary and Secondary Education. The project seeks to enhance the teaching and learning of mathematics in K-12 by increasing collaboration among pre-service teachers, in-service teachers, and college faculty. For more information on this project, visit the web page at <http://www.truman.edu/academics/ed/math/granthome.html>.

We have the following clubs at Truman:

MAA Student Chapter sponsored by Dr. Ronald Knight

Kappa Mu Epsilon sponsored by Dr. Mary Sue Beersman and Dr. Jay Belanger

Mathematics and Science Secondary Education Club sponsored by Dr. Susan LaGrassa

Actuarial Science Club Sponsored by Dr. James Guffey

Association for Computing Machinery sponsored by Dr. Wayne P. Bailey

Faculty searches are under way for a sabbatical replacement in mathematics for the spring 1999 semester and for tenure-track positions, also beginning in January, 1999, in Statistics and Computer Science. (Submitted by Lanny Morley)

University of Missouri (Rolla)

New	Faculty	Members:
Martin Bohner (University of Ulm, Germany);	Research areas: Ordinary differential equations, difference equations, Hamiltonian systems, variational analysis, boundary value problems, control theory,	oscillation.
Kevin Pilgrim (University of California at Berkeley);	Research areas: Complex analysis, dynamical systems,	hyperbolic geometry.
Bernd Straub (University of Tübingen, Germany);	Research areas: functional analysis, functional calculus,	semigroup theory.

Leadership	Appointments:
New Chair: Leon Hall. Former Chair Tom Ingram will resume regular faculty duties and is on leave the	Fall semester.
V.A. Samaranayake is the new	Director of Graduate Studies.
Retirements: Two long-time members of the department retired. Troy Hicks, who has served the department since 1967. Prof. Hicks plans to continue doing mathematics and already has a 1999 paper out, additional plans include some travel, and of course fishing.	
Caslav Stanojevic, who has served the department since 1968. Prof. Stanojevic is continuing half-time for a while organizing a research seminar and finishing two or three Ph.D. students.	

Math	Club:
Student Chapter of the MAA: Faculty advisors: Rob Roe and Leon Hall. Officers: President: Chris Maloney; Vice President: Carl Pawling; Secretary: Robbie Beene.	
Kappa Mu Epsilon: Faculty advisor: Ilene Morgan. Officers: President: Andrew VanBrunst; Vice	

President: Maria Bumanglag; Recording Secretary: Kari Wojtkowski; Treasurer: Keri Vencato;
Historian: Gretchen Schmeling; Social: Tanya Peters & Joe Morton

Department

Projects:

Co-sponsor of the Show Me Seminar in Mathematics. This seminar is sponsored jointly by the National Science Foundation and the math departments at Washington University and the University of Missouri campuses in St. Louis, Columbia, and Rolla. (For more info, <http://www.umn.edu/~randolph/showme/>)

The International Workshop in Analysis and its Applications, a consortium of mathematicians whose focus is to provide a workshop environment for groups of mathematicians working in Analysis.

Contact: Caslav Stanojevic at iwaa@umn.edu

MathPro Online: an electronically searchable database of journal and contest math problems compiled by MathPro Press (founded by Stanley Rabinowitz in 1989) and located in the Department of Mathematics and Statistics at UMR. The database currently references 20781 math problems from 38 journals and 21 contests.

Professor Mike Hilgers, Albert Goodman and Kevin Pilgrim are all working on continuing NSF grants.

Other:

Mike Hilgers and Ilene Morgan received Outstanding Teaching Awards for 97-98. V.A. Samaranayake received an Outstanding Student Advisor Award from the Alumni Association.

Washington University (St. Louis)

New Faculty Member: Chris Peterson, PhD (Duke), Chauvenet Assistant Professor, algebraic geometry

Victor Wickerhauser, PhD (Yale) has been promoted to the rank of Professor. His interests are in wavelets and other applications of harmonic analysis.

Professor Robert McDowell retired in June 1998 after 38 years of service. Prof. McDowell chaired the department from 1974-1990.

Position Searches: Openings for a Chauvenet Assistant Professor (3 year non-tenure track), and a tenure track position (all ranks) are awaiting administrative approval.

Professor Brian Blank continues to be the sponsor of the WU Chapter of Pi Mu Epsilon. Its primary activity continues to be the hosting of the WU Math Contest for high school students each spring.

Professors Richard Rochberg and Vladimir Masek (along with Carl Bender in Physics) continue as coaches for the Putnam Team and individual contestants.

WU recently received a \$1.6 million grant from the Howard Hughes Foundation to assist in improvement of faculty teaching. A small part of this grant will be used by the Mathematics Department to provide computer supplementation for a Calculus with Statistics course for bio majors and pre-meds, and a geometry course designed for preservice and in-service high school math teachers.

Mathematics Awareness Week

Proclamation

On the next page is a copy the proclamation which Governor Carnahan signed on April 20, 1998, officially designating April 26 to May 2, 1998, as Mathematics Awareness Week in Missouri. The signing took place during the ceremony to recognize the top student on the Junior High Mathematics Contest. We extend our thanks to Robert Roe, Junior High Contest Coordinator, and Leon Hall of the University of Missouri at Rolla for making the proclamation possible. The proclamation may also be viewed by accessing the Section website at www.math-cs.cmsu.edu/maa.html