

MEETING ANNOUNCEMENT

To: All Missouri Mathematicians
From: Ilene Morgan, Chair of the MAA Missouri Section

The **Department of Mathematics and Statistics at the University of Missouri-Rolla** is looking forward to hosting the **Spring Meeting of the Missouri Section of the Mathematical Association of America on April 6 and 7, 2001**. We encourage you and your students to submit abstracts for contributed papers for the meeting.

The **Sixth Annual Missouri MAA Collegiate Mathematics Competition** will be held on **Thursday evening, April 5th, and Friday morning, April 6th**. Complete details appear later in this newsletter and on the Section web page.

I have received unofficial confirmation from **Joe Gallian** of the **University of Minnesota-Duluth** that he will be our **Polya lecturer**. **David Stone** of **Georgia Southern University**, **Chair of the Committee on Sections**, will be our featured **MAA speaker**. **Ed Spitznagel** of **Washington University** in St. Louis, as the recipient of the **2000 Missouri Section Award for Distinguished College or University Teaching of Mathematics**, will be our banquet speaker. There are several other potential events that are still in the works and cannot be announced yet; watch the web page for new information as it arises.

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 three years are listed below for your convenience. If your campus would be willing to host a Spring Meeting, please contact Curtis Cooper, Chair.

1984	Southeast Missouri State University	1995	Central Missouri State University
1985	Central Missouri State University	1996	Southeast Missouri State University
1986	Southwest Missouri State University	1997	Missouri Western State College
1987	Truman State University	1998	Southwest Missouri State University
1988	Washington University	1999	Rockhurst College
1989	University of Missouri-Columbia	2000	Central Missouri State University
1990	College of the Ozarks	2001	U. of Missouri-Rolla
1991	University of Missouri-Rolla	2002	Truman State University
1992	Northwest Missouri State University	2003	Washington University
1993	Westminster College	2004	Southeast Missouri State University
1994	Missouri Southern State College	2005	Missouri Western State College

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.

Abstract forms are available on the web at <http://momaa.math.UMR.edu/forms/abstract.html>. Abstracts should be submitted using one of the following two methods: Mail to:

Ilene Morgan
Department of Mathematics and Statistics
University of Missouri-Rolla
Rolla, MO 65409-0020

or e-mail to imorgan@umr.edu.

Please include all of the information requested on the abstract form: presenter's name, title, affiliation, contact information, title of paper, abstract, AMS subject classification, and special accommodations needed (overhead projector, computer, etc.). Also please indicate if the speaker is a student and if the paper is directed toward a student audience. Deadline for receipt of abstracts is **February 1, 2001**.

Missouri MAA Collegiate Mathematics Competition

The sixth Missouri MAA Collegiate Mathematics Competition will be held Thursday, April 5, 2001 and Friday, April 6, 2001 on the campus of the University of Missouri-Rolla in Rolla, 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 amount of available space, 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. The registration form can be found on the MAA Missouri Section web page at http://momaa.math.UMR.edu/forms/contest_registration_form.html.

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 5 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 6 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 pizza party at 11:30 **am**. 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

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Central Missouri State University
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(660) 543-8851
fax: (660) 543-8006
email: cnc8851@cmsu2.cmsu.edu

CALL FOR NOMINATIONS

2001 MISSOURI SECTION AWARD FOR DISTINGUISHED COLLEGE OR UNIVERSITY TEACHING OF MATHEMATICS

Nominations for the 2001 Missouri Section Award for Distinguished College or University Teaching of Mathematics are now being accepted. The award recognizes teachers of mathematics at the post-secondary level who have been widely recognized as extraordinarily successful.

The Section Selection Committee will review all nominations and determine which candidate, if any, best fulfills the guidelines given below. (If no nominated candidate is found to have outstanding qualifications, then the award will not be given.) The Missouri Section awardee will be honored at the Spring 2001 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

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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 2002 and receive a \$1,000 check and a certificate.

Eligibility

Nominees must satisfy the following criteria:

- 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.

Procedures

- Nominations must be submitted on the "**Nomination Form**" found on the Missouri Section web page at <http://momaa.math.umr.edu/forms/MAATeachAwardForm.pdf>. Anyone may nominate an eligible candidate, but self-nomination is not permitted.
- Please follow the instructions on the 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 found at http://momaa.math.umr.edu/forms/teaching_award_guidelines.html), it will not be considered for a national award and will be returned to the Section.
- Nominations for the Missouri Section Award should be sent to Robert Kennedy, Chair of the Selection Committee, at the address below so as to be received no later than **December 1, 2000**. Nominations for candidates who are not members of the Missouri Section should be sent to the Secretary of the nominee's Section.

Robert Kennedy
Dept. of Math & Computer Science

Central Missouri State University
Warrensburg, MO 64093

Congratulations to Professor Edward Spitznagel

Ed Spitznagel received his Ph.D. at the University of Chicago under the direction of Fields Medalist John Thompson. Thus Spitznagel was trained as a pure mathematician. But, very early on, he became involved with the applications of mathematics during a year-long leave spent at Litton Industries. When Spitznagel moved to Washington University, he was open to the notion of applying his talents in real-world venues and today his classroom teaching is enriched by his vast experience in areas such as: consultant at the Washington University Medical School, a member of the Quality Assurance Committee for Barnes Hospital, analysis of medical records for the Greater St. Louis Health Care Alliance, collaborator with Cancer Research Center in Columbia, Missouri, pharmacokinetic consulting (including statistical consulting on a protracted legal battle in the '90's between two of the largest drug companies in the country), and a myriad of other "data-mining" projects for the university

Edward Spitznagel is one of the most innovative and dedicated members of the mathematics department at Washington University. He has used his experience in the field as the basis for developing new curricular materials. Ed reconstructed an introductory probability and statistics course, writing a text for the course and introducing the use of SAS, with substantial amounts of real data, and thus turned a lightly subscribed course into one with enrollment of more than 200. More recently he has developed a "Calculus II with Statistics" course, replacing traditional topics with a significant amount of probability and statistics, all organized around a theme of pharmacokinetics. He also wrote computer software for use in a Differential Equations course, which students used across the college to solve problems in many different disciplines.

The impact of Ed's energy and vast experience is clear in the classroom. He has three times received the Teaching Award from the Council of Students of Arts and Sciences. He received the Burlington Northern Achievement in Teaching Award and one of the four annual Washington University Founder's Day Awards to recognize distinguished teaching, research and service to the University. Professor Spitznagel exemplifies the faculty member, who through his own passion for the subject, motivates students to study mathematics beyond what may be a general requirement. His courses receive outstanding recommendations from other students. His lectures are lively and packed with real-world applications, as well as interspersed with gentle and engaging humor.

Minutes of Missouri Section Executive Committee Meeting **April 14, 2000**

The Executive Committee meeting of the Missouri Section was held in University Union 240 on the campus of Central Missouri State University. Chair Curtis Cooper called the meeting to order after the banquet. The following members were present:

Chair	Curtis Cooper (CMSU)
Vice-Chair	Ilene Morgan (UMR)
Governor	Al Tinsley (CMSU)
Governor-Elect	Vic Gummersheimer (SEMO)
Newsletter Editor	Jim Bruening (SEMO)
Student Chapter Coordinator	Mark Sand (NWMSU)
Secretary-Treasurer	Susan Callahan (Cotney)

1. The Executive Committee looked at a draft of the agenda for the Business Meeting. The report from Don Albers was deleted because Don was unable to attend the meeting due to an injury. Reports from the Student Chapter Coordinator and from the Chair were added.
2. Curtis announced that Victor Gummersheimer has been elected to serve as the next Governor, with term beginning July 1.
3. Curtis reported that he dealt with several issues relative to the 24 SMSU students giving 6 presentations. He did accommodate the request that they speak on Friday. He decided to offer one free membership per presentation and asked Kishor Shah of SMSU to designate a recipient from each group. They preferred not to treat some students differently from others, so free memberships were only awarded to individual presenters this year. Curtis also thought providing 24 free banquet tickets was too much and discontinued that practice. Susan Callahan, Secretary-Treasurer, commented that free tickets were provided for student presenters last year only because she was told it had been done the previous year. At last year's Executive Committee Meeting the issue of travel reimbursements per paper instead of per presenter was addressed, but the free ticket issue fell through the cracks. She suggested that the Section charge all students only the amount we are charged by the food service. Regular banquet tickets are priced higher to help cover other meeting expenses. The Committee voted to adopt this practice with the clarification that the amount could be rounded up to an even dollar amount.
4. The situation with the Missouri Mathematics Leadership Conference was discussed. They contacted Curtis and requested that he submit the names of five people who would be invited to represent the MAA at the conference. Curtis, acting on behalf of the Section in accordance with his position as Section Chair, declined to name MAA representatives. The MML people then contacted Ilene Morgan, Vice-Chair, and asked her to submit names. Some Section officers have been told that the MAA was represented at last year's MML conference, but John Koelzer, Past Chair, did not designate any representatives. Committee members generally agreed that the Chair may speak for the Section in such instances but has the option of e-mailing the other officers for input, and that MAA members who chose to attend the MML conference should not speak for the Section.

5. The Section has received offers to host future meetings from Missouri Western State College and Southeast Missouri State University. Due to the order in which these institutions last hosted meetings, it was decided to accept SEMO's offer to host for 2004 and ask MWSC to host in 2005.
6. Susan Callahan distributed copies of the Treasurer's Report. It was noted that the cost of the Fall 1999 Newsletter was much higher than that of previous issues. No one knew why. Jim Bruening, Newsletter Editor, and Vic Gummersheimer, past editor, will investigate. It was also noted that no Exxon Grant money was received. Mark Sand, Student Chapter Coordinator, said he sent in an application but no money was available. Susan read letters thanking the Section for last year's donations to the James R.C. Leitzel Lecture Fund and IMO 2001 USA. She also asked everyone to check/update their addresses on the list of officers to be sent to Headquarters.
7. The Committee discussed the memo from David Stone about section-specific information to be included in membership recruitment mailings and free section meeting registration for new members. Committee members were in favor of section-specific information in mailings and Susan offered to work on such information. There was no interest in offering free registrations.
8. The Section is eligible for a Polya Lecturer next year. Joseph Gallian will be requested. Executive Committee members looked over the list of MAA Speakers and identified a few people they would like to invite. Ilene will determine who is available and arrange for that person to attend the meeting at UMR.

Respectfully submitted,

Susan Callahan
Secretary-Treasurer

Minutes of MAA Missouri Section Business Meeting

April 15, 2000, Central Missouri State University

(Approval will be considered at the Spring 2001 Business Meeting: April 7, 2001)

The Business Meeting of the Missouri Section was held in the WC Morris Science Auditorium on the campus of Central Missouri State University. Chair Curtis Cooper called the meeting to order at 11:00 a.m.

1. Susan Callahan presented certificates to all students who presented papers at the Meeting.
2. The minutes of the 1999 Business Meeting were approved as published in the Fall Newsletter.
3. Curtis Cooper reported on two decisions made at the Executive Committee Meeting.
 - a. Students wishing to attend the banquet will be charged the cost of food service only, rounded up to a whole dollar amount.
 - b. Future meeting sites are Washington University in 2003, Southeast Missouri State in 2004, and Missouri Western in 2005.

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4. Al Tinsley reported that the Governors are considering decoupling journals from membership. An industry/government membership with lesser dues but no journals and a new magazine are being considered. Executive Director Tina Straley would like to take a year to study the effects before a final decision is made. Al reminded everyone that the UCLA Mathfest is August 3-5, and the AMS's Mathematical Challenges for the 21st Century is August 7-12. He also thanked the Section for allowing him to serve as Governor.
5. Susan Callahan distributed the Treasurer's Report. The balance as of April 1, 2000, is \$4,608.27. She also read letters thanking the Section for last year's donations to the James R.C. Leitzel Lecture Fund and IMO 2001 USA.
6. Jim Bruening encouraged people to receive the Newsletter via the web page because it reduces expenses. He thanked those who sent news from the campuses for the fall edition.
7. Mark Sand would like to hear what schools are doing for Math Awareness Week.
8. Rhonda McKee reported that there were five requests for high school lectures, and five lectures were given. She distributed information through the high school contest mailing and the MCTM. A web page for the High School Lecturers program was set up a couple of years ago.
9. Shing So distributed the report of the 2000 American High School Mathematics Examinations. The change of format to two exams and the fact that many students receive the same score necessitates a rethinking of the cash prizes. A motion to award a maximum of \$400 in prizes, specifics to be worked out by Shing So, was approved.
10. Robert Roe, Junior High School Contest Coordinator, was not present.
11. Jerry Wilkerson noted that there is a list of summer workshops in the spring Newsletter and asked everyone to encourage people to attend. He is resigning as Public Information Officer after one more year. The Section expressed its appreciation to Jerry for his many years of service in this office.
12. Curtis Cooper said a new Web Page Administrator will be assuming responsibility for the web site. He has been happy to maintain it for the past few years. There have been some problems getting onto the site due to a hard drive crash, CMSU network problems, etc.
13. Curtis Cooper reported that 26 teams entered the Collegiate Mathematics Competition. A total of 72 students, 18 team advisors, and 8 committee members participated in competition activities. The winner was University of Missouri-Columbia Team A. Washington University Team A placed second, and the University of Missouri-Rolla placed third.
14. Edward Spitznagel of Washington University is the winner of the 2000 Missouri Section Award for Distinguished College or University Teaching of Mathematics.
15. The Nominating Committee consisted of Shirley Huffman, chair, Harold Hager and Lanny Morley. The nominees for Governor were Vic Gummersheimer and Ken Lee. Vic was elected in a mail ballot conducted by MAA Headquarters. The following officers were nominated by the Committee and elected by the Section:

Vice Chair

James Guffey (Truman)

Web Page Administrator Leon Hall (UMR)

16. Seven members and three students participated in the 5K Run/Walk. Due to hotel locations, some ran in Warrensburg and some ran in Higginsville. Prize winners were determined by a drawing. First prizes of one year of membership went to Harold Hager (member) and Ruth Potter (student). Second prizes of up to \$15 toward an MAA book went to Mark Sand (member) and Lisa Bangerter (student).
17. Ilene Morgan said she looked forward to serving as Chair for the next year. UMR is looking forward to hosting the meeting next April.
18. Six items were discussed under Old/New Business.
 - a. Shing So announced that the High School Contest results booklet was available in the registration area.
 - b. A motion to have the secretary write a letter to Central Missouri State University, thanking them for hosting the meeting, was approved.
 - c. Alternative times for awarding certificates to student presenters were discussed. More students attend the banquet than the Business Meeting, but not all talks have been given on Friday. Other possibilities are presenting the certificates to the students at the end of their talks and presenting them before the invited address at 10:00 Saturday morning.
 - d. The registration fee and financing of the meeting were discussed. Some members expressed the opinion that it would be desirable for the cost of the meeting to be covered by the registration fee, with the cost of the banquet ticket covering food only. A motion to increase the registration fee to \$12 for those registering before an announced date and \$15 for those registering afterward was approved.
 - e. Ed Andalafte announced that Keith Devlin would give the third talk in the Spencer & Spencer Systems Mathematics Lecture Series on May 4 at UMSL.
 - f. The Section thanked Al Tinsley for his service as Governor.

Respectfully submitted,

Susan Callahan
Secretary-Treasurer

From the Governor

Vic Gummersheimer (SEMO)

The Board of Governors met on August 2 during Mathfest 2000 on the UCLA campus. I will highlight just a few of the items on the agenda of this meeting that ran from 9:00 am to 5:00 pm.

President Tom Banchoff appointed the Task Force on First-Year Mathematics: Sheldon Gordon, Linda Kime (chair), Bernard Madison, James Marshall, Mercedes McGowen, Donald Small, and Susan Wood. Bruce Palka of the University of Texas - Austin was elected Editor-Elect of *The American Mathematical Monthly* for the year 2001 and will serve as Editor in 2002 through 2006.

Laura Chihara, Michael Monticino, and James Tanton were elected to the editorial board of *Math Horizons*.

The next joint meetings will be held in New Orleans (start January 9, 2001), San Diego (start January 5, 2002), and Baltimore (start January 14, 2003). Locations for other future meetings were discussed but no action was taken.

President Banchoff will appoint a Task Force on National Elections to study the timing and the manner in which we conduct elections to encourage more participation and reduce costs.

The USA team did exceedingly well at the 2000 International Mathematical Olympiad held in Taejon, South Korea on July 19 and 20, 2000. The top 12 teams and their scores out of a possible 252 points were: China (218), Russia (215), USA (184), South Korea (172), Bulgaria (169), Vietnam (169), Belarus (165), Taiwan (164), Hungary (156), Iran (155), Israel (139), Romania (139). This year's USA participation was a great success. The United States of America will host the 42nd International Mathematical Olympiad (IMO) in the year 2001. The IMO was last held in the USA in 1981. The Olympiad will be held in Washington, DC, with opening ceremonies on July 4, 2001

Treasurer Gerald Porter reported on the 1999 Financial Year. He indicated that dues income increased by 3%, contributions decreased by about \$32,000, journal income (other than dues) increased by \$85,000, and meeting income increased significantly in large part because of the success of the Providence Mathfest meeting. The approved budget for 2000 is in place and projections indicate that the organization is doing well thus far in the 2000 Financial Year. The proposed budget for 2001 was discussed. Some significant new items include increased income from targeted giving campaigns and increased expenditures for association management software that is centered on a relational data base to comprehensively manage MAA information of all kinds.

Executive Director Tina Straley reported that the MAA has three critical issues to address: clarifying our mission for the next decade, increasing and diversifying revenues, and increasing the staff so as to be able to provide more programs, products, and services. New initiatives include negotiations with a consultant who matches donors to nonprofit organizations, a project involving the American Mathematical Archives, and the NSF funding for MathDL (an online resource and a directory of all materials, hard copy and electronic, in undergraduate mathematics). The NSF has funded a program of grant-writing workshops to be offered to Sections as mini-courses or workshops at Section Meetings.

Executive Director Straley also indicated that the MAA is leading a national study, under the direction of CUPM, to write recommendations on the undergraduate program in mathematical sciences for 2010. The MAA's number one operational priority is the conversion to an Association Management Software

package that will give us a relational database system, transactions via the web, improved web communication and services, and better access to an improved membership database.

Associate Executive Director Donald Albers of the Publications and Electronic Services Department reported that 2000 is off to a great start.

- MAA Publications are strong; sales are up 15% over last year at this time.
- Bill Dunham's *Euler: Master of Us All* sold 3000 copies in 1999 and 1,300 copies in the first quarter of 2000.
- The MAA is broadening ties with Amazon.com and Barnes and Noble.
- Two past presidents of the MAA become series editors; Ken Ross will edit the *Carus* series and Jerry Alexanderson the *Spectrum* series.
- The first book in the new series The MAA Problem Books is *Olympiad Problems and Solutions* by Andreescu and Feng.
- The *Monthly*, one of thirteen mathematics journals on JSTOR, continues to account for a full 1/3 of all mathematics articles viewed.
- *FOCUS* has a new look and improved content.
- MAA Online had almost a quarter million hits in March.
- In MAA Online *Read This* contains reviews of 120 books.

Director James Gandorf's Report of the Membership Department showed that as of June 1, 2000, the MAA's Paid Membership is 19,577, 4.27% higher than last year. The total membership is 24,047, 7.5% higher than last year at the same time. The overall retention rate for paid members is up to 82%. The MAA staff is working on the Decoupling Plan to breakout fees for membership and journals.

The task force chaired by John Fulton to review the 1993 Guidelines for Programs and Departments in the Mathematical Sciences submitted its report. The Board of Governors accepted the new Guidelines for Programs and Departments in Undergraduate Mathematical Sciences. The Guidelines are to be used by mathematical science programs in self-studies, planning, and assessment of their undergraduate programs, as well as by college and university administrators and external reviewers. Mathematical sciences programs and their administrations can use the recommendations included in these Guidelines as a basis for allocating resources and planning. It is the joint responsibility of institutional administrations and mathematical sciences programs to provide and use properly the resources necessary to meet these Guidelines. The full text of the Guidelines is available on MAA Online.

MAA BOOK SALE

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

From the Campuses

Central Missouri State University (Warrensburg)

Promotion: Dr. Vince Edmondson has been promoted to the rank of Full Professor. He joined the faculty at Central in 1990.

New Hires: Ms. Joyce Kolkmeier and Ms. Cynthia Cotton are serving in one year positions while searches are being conducted this year.

Retirement: Mr. William Grimes retired last May. He had been on the faculty at Central for 38 years.

Awards: Dr. Edmondson received the Arts and Sciences Distinguished Faculty Award.

Special Events: The department's second annual Sonia Kovalevsky Day was held Oct. 3 with 70 students from 18 schools attending. Dr. Rhonda McKee, Dr. Sue Sundberg, and Ms. Martha Diehl were directors for the event. Included on the program were workshops, a problem solving competition, and a career panel discussion featuring area business and professional women and Ms. Ann Cox, a mathematician with the National Security Agency. The program was supported by the Association for Women in Mathematics, the National Security Agency, and Microsoft Corporation.

The Actuarial Organization conducted its third annual Actuary Career Fair on Oct. 10. Representatives from life and property/casualty insurance companies and consulting firms interviewed students for internships and full-time employment. Dr. Jean Tao is the department's Actuarial Science coordinator.

Faculty Searches Being Conducted: The department is seeking to fill three positions, one tenure-track position in Computer Science, and two non-tenure-track positions. More information is available at <http://www.math-cs.cmsu.edu>.

(Submitted by Ed Davenport.)

Columbia College (Columbia)

We have a new hire, Dr. Suzanne Tourville, PhD from Washington University in St. Louis, and she previously taught for three years at Carnegie Mellon. We are starting a math degree to begin next fall. (Submitted by Kim McHale.)

Drury College (Springfield)

Our math 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 sponsors for our club are Dr. Charles Allen and Dr. Al Letarte. The student membership in our department has grown to 60 majors and minors. We have an active undergraduate research program.

Dr. Jackie Miller has joined our faculty. She comes to us from The Ohio State University with a Ph.D. in statistics education and fills the position left vacant by the retirement of Ted Nickle. Greg Eastman has joined our faculty as an instructor of computer science. Dr. Pamela Reich has left Drury for a position at Truman State. Anne Schalda continues in a one-year replacement position while we search to fill Dr.

Reich's position. Our chair Dr. Carol Collins was married this summer and has changed her name to Dr. Carol Browning.

We have a new computer science major in our department. We will graduate our first majors in computer science in May 2001.

Dr. Allen and Dr. Browning have published a textbook for Calculus I with McGraw Hill this summer. It is an innovative discovery workbook approach to teaching Calculus in a modified Moore-method style. Our department is currently writing a textbook for the Mathematics and Inquiry class which presents a variety of topics in an active learning style.

(Submitted by Carol Browning)

Missouri Southern State College (Joplin)

Retirement: Mrs. Mary Elick retired after 26 years of service to the college. She was the faculty sponsor for KME and for many years she was a member of the KME board of directors (Historian).

New People: Dr. Richard Laird, PhD from Kansas State, was hired as an Assistant Professor of Mathematics. He was at Emporia State University (Kansas) before coming to MSSC.

- News:
1. Dr. Linda Hand, Associate Professor of Mathematics, was selected the College's Outstanding Teacher of the 1999-2000 school year.
 2. A reception for math majors is scheduled for the end of October.
 3. Meetings of the Math Club are scheduled for the third Thursday of every month at noon. In addition to the business meeting there is a presentation and PIZZA.

Missouri Valley College (Marshall)

Mr. John Ward has joined the mathematics faculty at Missouri Valley College filling a vacancy left by Mr. Garry Block who taught at MVC for one year. (Submitted by Jerry Wilkerson)

Northwest Missouri State University (Maryville)

Dr. Jawad Sadek was promoted to Associate Professor. Ms. Elaine Nichols was hired as an instructor. Dr. Terry King is now Director of Academic Programs for the Missouri Academy of Science, Mathematics and Computing.

Southeast Missouri State University (Cape Girardeau)

Retirements

Dr. Mangho Ahuja came to Southeast in 1968. He earned an A.M. degree from the University of Rochester and a Ph.D. (Functional Analysis) from the University of Colorado in Boulder. He loves to travel and meet people from different countries.

Dr. William Ettling came to Southeast in 1969. He received his Ph.D. from the University of Missouri at Columbia under the guidance of the famous Geometer Professor Blumenthal. Bill has continued in the

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Blumenthal tradition by describing the beauty of geometry to his students. Bill's interests go beyond geometry. He is a master craftsman in woodworking. Also, he restores antique cars to shining works of art.

Dr. Wendell Wyatt joined Southeast as an Instructor in the University Schools in 1965, taught high school mathematics, and mentored over 60 student teachers during his 20 years in the school. In 1983-84, he served as Principal of the Elementary and High School. He received his Masters from Arkansas State University and his Ph.D. from the University of Missouri-Columbia in 1985 when he joined the Mathematics Department. In 1999 he received the prestigious Leroy Sachs service award from the Missouri Council of Teachers of Mathematics. Wendell plans to teach for a few more years at Northeastern State University in Tahlequah, Oklahoma.

Promotions

Dr. James Bruening was promoted to the rank of Associate Professor beginning in Fall 2000.

New Faculty

Dr. Paul Deiermann: B.A. University of Missouri-St. Louis, Ph.D. Washington University in St. Louis. He has taught at Louisiana State University-Shreveport and Lindenwood University in St. Charles, MO. He will be teaching analysis, discrete mathematics, and differential equations.

Dr. David Richter: B.A. St. Cloud State University in Minnesota, Ph.D. University of Minnesota. He comes from Montreal, Canada, where he taught at McGill University for two years. He will be teaching a variety of courses including advanced geometry.

Stuart Swope: B.S. University of South Florida, M.A. Florida State University

Dr. Cheryl Wallgren is on medical leave during the Fall 2000 semester. **Dr. Tom Wallgren** of the Computer Science Department is teaching her courses. His B.A. is from Southeast and his M.A. and Ph.D. are from the University of Missouri at Columbia.

Avelina Lichtenegger: B.A. and M.A. Immaculate Conception College and the University of San Carlos in the Philippines, M.A.T. Southeast Missouri State University

Sharon Schwarz: B.S. University of Illinois-Chicago Circle, M.A.T. from Southeast Missouri State University

Mathematics Education Position Announcement

Tenure-track Assistant Professorship beginning August 2001. Duties: teaching primarily mathematics content courses for elementary and middle education majors or secondary methods course, scholarly/professional activity, curriculum development, and in-service workshops. Complete details are available at <http://www5.semo.edu/math>

Mathematics Contests

The Mathematics Department will sponsor three mathematics contests in the spring.

Math Field Day, April 24, 2001, jbruening@semovm.semo.edu

Elementary Contest, March 31, 2001, croberts@semovm.semo.edu

Great Plains-MCTM, Feb. 24, 2001. trandolph@semovm.semo.edu

(Submitted by Vic Gummersheimer)

Southwest Missouri State University (Springfield)

New:	Clyde Paul (transferred from the College of Education)
Tenure:	Yingcai Su
Promotion:	Richard Belshoff, Kurt Killion, Kishor Shah, Xingping Sun (to Professor); Yingcai Su (to Associate Professor)
Award:	Paula Kemp (2000 University Research Award, Excellence in Community Service); Larry Campbell (2000 College Research Award); Sam Blisard (2000 College Outstanding Graduating Senior, 2000 KME Merit Award), Dan Busenbarrick (2000 College Outstanding Graduating Senior)
Sabbatical:	Shouchuan Hu (2000 fall)
On Leave:	Wenxiong Chen (2000-2001)
External Grant:	Wenxiong Chen (NSF Grant), Paula Kemp (NSF Grant), Kurt Killion and Clyde Paul (Eisenhower Grant), Larry Campbell (DESE Math Attack)
Internal Grant:	Hoon Kim (2000 SMSU Summer Faculty Fellowship), Xingping Sun (2000 SMSU Summer Faculty Fellowship)
Special Event:	The Math Awareness Week Contest 2000 was held on April 24 - 28. One question was posted each day during that week. For more information see http://math.smsu.edu/mamcontest.html .

St. Charles County Community College

Vicki Woodrum has been named Chair, Mathematics Department.
(Submitted by Wanda Long.)

Saint Louis University

Our department filled three new tenure-track positions after a nationwide search. The new faculty members, with ranks of Assistant Professor, are: Gregory Marks, who just received his Ph. D. from the University of California at Berkeley; Bryan Clair, who received his Ph. D. from the University of Chicago and comes to us from City University of New York; and Scott Saccone, who received his Ph.D. from Brown University and filled a one-year temporary position in our department during the past academic year.

Steve Harris was promoted to Professor, effective this past July 1. He gave a 45-minute talk at the Third World Conference in Nonlinear Analysis, held at the University of Catania in Italy, this past July, in the session on Differential Geometry.
(Submitted by Raymond Freese.)

University of Missouri-Columbia

1) Hiring

- a) We hired six new tenure-track faculty: Carlo Morpurgo, Alex Iosevich, Asma Harcharas, Mark Rudelson, William Banks, Allanus Tsoi
- b) We hired the following postdoctoral fellows: Radu Cascaval, Laura DiCarli, Eugenia Malinnikova, Milan Pokorny, Michael Rudnev, Dmitry Ryabogin
- c) We have the following visitors: Steve Clark, Joseph Diestel, Yurii Lyubarskii

2) Retirements: Keith Schrader and Zhongxin Zhao

3) Promotions

Tanya Christiansen was promoted to associate professor with tenure.
Konstantin Makarov was promoted to associate professor with tenure.
Igor Verbitsky was promoted to Full Professor.

4) Our Math Team placed first in the Missouri MAA math competition.
(Submitted by Elias Saab.)

University of Missouri-Rolla

New Faculty Members: Gary Gadbury, Ph.D. Colorado State, statistics

Visiting Faculty Wlodzimierz Charatonik, Ph.D. Warsaw, Topology, Continuum Theory

Tenure and/or Promotions: Ilene Morgan was promoted to Associate Professor with tenure

Sabbaticals: Steve Clark (Fall semester at UMC, Spring semester will include some time at Tennessee)

Retirements: Lou Grimm, Retiring after 31 years of Service at UMR. Lou will take Fall 2000 off, but will teach some in the department during the next couple of years.

Position Searches: Two open tenure track positions, one in Statistics and one in Mathematics. One or

two other Mathematics positions might be approved later.

UMR MAA Student Chapter: Sponsor: Rob Roe

Activities: Faculty and student presentations.

Participation in the Girl Scout 2+2 program.

Department Projects: Show Me Seminar.

Making Sense of Data - Workshop for Middle School - High School teachers
directed by Dr. Samaranayake on an Eisenhower Grant.

Mathematics Learning Center for Calculus I, evenings Monday-Thursday

Outstanding Teaching Awards for 1999-2000: Tom Akers and Vy Le

(Submitted by Leon Hall.)

Washington University (St. Louis)

Professor Mitchell Taibleson has retired with the title of Professor Emeritus. He continues teaching one course for us during the Fall 2000 semester.

Rachel Roberts has been promoted to the rank of Associate Professor, with tenure.

Analyst Nets Katz (Ph.D., U. Penn) joins our faculty as a new associate professor. Demetrio Labate (Ph.D. Georgia Tech) and Wenhua Zhao (Ph.D. U. Chicago) have arrived as William Chauvenet Assistant Professors. Labate is an analyst, Zhao, an algebraist.

The Undergraduate Math Club/Pi Mu Epsilon is sponsoring a series of talks for undergraduates by faculty and other students.

(Submitted by Ronald Freiwald.)

Westminster (Fulton)

Professor Emeritus F. Brooke Sloss passed away August 20, 2000. He was 84 years old, and began his teaching career at Westminster in 1941. Before his retirement a few years ago, F. Brooke Sloss was Distinguished Service Professor, John Harvey Scott Professor of Mathematics. His degrees: B.A., Westminster College; M.S., Brown University; Ph.D., Northwestern University.

(Submitted by Michael Williams.)

Williams Woods University (Fulton)

New hiring: Michael Wodzak, and we are very pleased to have him.

(Submitted by Vrunda Prabhu.)