MISSOURI   SECTION

NEWSLETTER

VOLUME 17   NUMBER 1   FALL 1995

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NEWSLETTER INFORMATION

The Newsletter is published in November and March each year.
Please use the Newsletter to share information with other section
members--special events at your school, announcements about
faculty and students, curriculum innovations, activities of your
student mathematics organization. Please contact the Newsletter
Editor by February 1 with items to be included in the March
Newsletter.

MEETING   ANNOUNCEMENT

The Spring Meeting of the Missouri Section of the MAA will be held on Friday and Saturday, April 12 and 13, 1996 at Southeast Missouri State University in Cape Girardeau, Missouri.

The Spring Meeting will be a joint meeting with MOMATYC, (MAT)2, and MCTM.

The First Annual Missouri College Mathematics Team Competition will be held on April 11 and 12, 1996. Please see below for more details.

Featured speakers for the Spring Meeting will include:

Underwood Dudley, Polya Lecturer
and
James Donaldson, Second Vice-President of MAA

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 pure mathematics or mathematics education.

For example, papers may pertain to new courses which you have developed, successful techniques you have found useful in teaching, or your current mathematical work, either within or outside the classroom.

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:

Bob Sheets
Department of Mathematics   MS6700
Southeast Missouri State University
Cape Girardeau, MO 63701

Deadline for receipt of abstracts is February 2, 1996.

Please use the form near the end of this Newsletter.

MISSOURI MAA COLLEGIATE MATHEMATICS COMPETITION

The first Missouri MAA Collegiate Mathematics Competition will be held Thursday, April 11, 1996 and Friday, April 12, 1996 on the campus of Southeast Missouri State University in Cape Girardeau, Missouri. Any college or university in the state of Missouri can send up to two teams of 1-3 undergraduates each to compete in the competition. 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 Thursday evening competition will begin at 7:30 pm and last until 10 pm and will consist of 5 problems for each team to solve. The Friday morning competition will begin 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), Curtis Cooper (CMSU), Joe Flowers (NEMSU), Leon Hall (UMR), Les Reid (SMSU), 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 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, the winning school will receive a plaque. Certificates will also be given to the members of the first place team.

Any questions about the competition can be sent to

Curtis Cooper
Department of Mathematics and Computer Science
Central Missouri State University
Warrensburg, MO 64093-5045
(816) 543-8851
email: ccooper@cmsuvmb.cmsu.edu

REGISTRATION FORM
MISSOURI MAA COLLEGIATE MATHEMATICS COMPETITION

Name of College _____

Address   _____

                _____

_____

Phone Number _____   E-mail _____

                Team A   Team B

_____   _____

_____   _____

_____   _____

Sponsor's Name _____

Registration Fee(s) _____   ($25/team)

Payment Enclosed _____   Pay at Contest _____

Make checks payable to MAA Missouri Section

Return to Curtis Cooper
        Department of Mathematics and Computer Science
        Central Missouri State University
        Warrensburg, MO 64093-5045
        (816) 543-8851
        email: ccooper@cmsuvmb.cmsu.edu

                    CALL   FOR   NOMINATIONS

            1996 MISSOURI SECTION AWARD FOR

        DISTINGUISHED COLLEGE OR UNIVERSITY TEACHING

                    OF MATHEMATICS

        Nominations   for the   1996 Missouri Section   Award for
    Distinguished College or University Teaching of Mathematics are
    now being accepted.   The Missouri Section Selection Committee
    will choose one of the nominees for the Section Award.   The
    awardee will be honored at the Spring 1996 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 1997 and receive a $1,000 check and a
    certificate.

        Anyone is entitled to make a nomination, but nominations from

chairs or MAA representatives in departments of mathematical sciences are specially solicited. For this reason, this call for nominations is sent to both department chairs and MAA representatives so that the responsbility 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.

In addition to discussing this memo with your colleagues, preferably at a department meeting, please post it in a prominent place in your department.

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"
included 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
near the end of this Newsletter), it will not be considered for a
national award and will be returned to the Section.

Please send four copies of each nomination packet to

                    Darrel R. Thoman
                    Department of Mathematics
                    William Jewell College
                    Liberty, MO 64068

so as to be received no later than January 1, 1996.

The Section Selection Committee will select the Section
awardee during January 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 MAA Missouri Section
                  Business Meeting   April 8, 1995

The business meeting of the MAA Missouri Section was held in
WCM Auditorium on the campus of Central Missouri State University
April 8, 1995. The meeting was called to order by Chair Al
Tinsley at 11:04 am.

1. To recognize those students who had made presentations, Al
   Tinsley presented a certificate and offered a one-year MAA
   student membership to Aaron Bush, David Clements, Scott Hill,
   Charles Kurtz, Grant Lathrom, Paul Plummer, Kari Sellberg,
   Maxim Sinitsyn, Stephen Spalding, Linda Tansil, and William
   Wojczyk.

2. The minutes of the 1994 business meeting, as published in the
   Fall 1994 Newsletter, were approved.

3. Lanny Morley, Section Governor, highlighted his report that

appeared in the Spring 1995 Newsletter.

4. Ken Ross, MAA President, addressed the Section. He mentioned
    MAA's cost-cutting efforts for future meetings. He also
    commented on the well-written document on Strategic Planning
    by MAA.

5. Yungchen   Cheng,   Secretary-Treasurer,   distributed   the
    treasurer's report.   The current balance was $2,197.17.
    Student presenters may still request reimbursements (up to
    $50 each) for portions of their related expenses that have
    not been supported by other funds.

6. Al Tinsley reported on items discussed at the Section Officer
    meetings in August 1994 and January 1995.   One major
    discussion   was   to   broaden   departmental representatives'
    involvement.

7. Al   Tinsley, Regional   AHSME coordinator, distributed a
    preliminary financial report and schools ranking in the top
    decile.   He reported that 69 schools participated and about
    3900 tests were given. 196 students made the honor roll. It
    was approved (moved by Curtis Cooper and seconded by Shirley
    Huffman) that $250 be spent for cash prizes. He mentioned
    that Robert Roe, Regional AJHSME Coordinator, will continue
    to work with the Missouri Governor's Office to make award
    presentations to the top students.

8. Robert Kennedy, Visiting Lecturer Coordinator, reported 20
    requests by high schools. He encouraged lecturers to send
    out short abstracts and more announcements through MCTM.

9. Dennis Malm, Student Chapter Coordinator, reported there are
    11 chapters currently in the Section.

10. Vic Gummersheimer, Newsletter Editor, thanked the Program
    Committee for electronically sending the spring newsletter to
    several institutions. He requested more reports and news for
    the fall newsletter.

11. Jerry Wilkerson, Public Information Officer, reminded members
    of the upcoming Mathematics Awareness Week.

12. The   Nominating Committee   (Shirley Huffman,   chair, Ed
    Andalafte, Susan Callahan) presented their nominations to the
    Section: David John of Missouri Western State College for
    Vice-Chair and Yungchen Cheng of Southwest Missouri State
    University for Secretary-Treasurer.   Al Tinsley asked for
    further nominations from the floor.   The motion by Larry
    Martin, seconded by Harold Hager, to cease nominations was
    approved by acclamation.   Bob Sheets moved, seconded by
    Curtis Cooper, to accept the Committee's nominations. The
    motion passed.

13. Bob Sheets, Vice-Chair, announced next year's meeting will be
    held on April 12-13, 1996 at Southeast Missouri State
    University.

14. Eleven people participated in the 5K run/walk Saturday

morning. Rick Armstrong was the winner of the drawing for a free 1-year membership. All others will receive a free book up to $15. It was noted that several individuals from CMSU generously provided funds for these prizes.

15. Larry Martin, Past-Chair, presented the results from his survey on the mathematics core requirement referred to in CBHE's Transfer Guidelines. Among the returns from 2-year institutions, eight prefer an alternative course and three prefer college algebra. From the 4-year institutions, ten prefer an alternative course and five prefer college algebra. He requested the Section to decide if further actions are to be taken. After some discussion, a motion moved by Ed Andalafte, seconded by Leon Hall, calling for a sectional response (to be coordinated with MOMATYC if both sides can agree) passed. A motion by Bob Sheets, seconded by Larry Martin, to poll all Missouri public institutions again and based on that poll, if there is a 60% majority, to make a recommendation to CBHE failed.

    Harold Hager then moved, seconded by Curtis Cooper, the Section recommends to CBHE that the mathematics portion in the Missouri Transfer Guidelines be changed to include a mathematics course with the same prerequisite course of college algebra, or a mathematics course having college algebra as a prerequisite. The motion passed.

16. The Section accepted Jackie Maxwell's request to have a joint meeting with MOMATYC in 1996.

17. Al Tinsley informed the Section that Rockhurst College will host the spring meeting in 1999 and Central Missouri State University in 2000.

18. Curtis Cooper distributed a proposal requesting the Section to sponsor a Missouri college mathematics team competition before the spring meeting. After some discussion, John Koelzer moved to accept the proposal, seconded by Ed Andalafte. The motion carried.

19. Al Tinsley commented on the recent electronic distribution of the newsletter and meeting schedule to five sites. The responses have generally been positive. The Section will continue to work with departmental representatives so that they can help distribute these materials.

20. Yungchen Cheng was instructed to extend the Section's appreciation to CMSU for using their facilities and to the Katti family for their financial support.

The meeting was adjourned at 12:19 pm.

Respectfully submitted,

Yungchen Cheng
Secretary-Treasurer

The following report on the August meeting of the Board of
Governors was supplied by Curtis Cooper, former governor of the
Missouri Section, who attended in my stead when schedule
conflicts precluded my attendance.   I appreciate both his
attending for me and the thorough report he provided.

The Board of Governors of the Mathematical Association of
America met at the Sheraton Burlington Hotel in Burlington,
Vermont on August 5, 1995.

1. The final attendance figure of the joint summer meeting of
the AMS/MAA in Vermont was between 900 and 1000. The Task Force
of Summer Meetings gave an interim report concerning the future
of summer meetings.

2. The MAA headquarters in Washington, D.C.,   has been
restructured.   The decision to restructure was made by the
Executive & Finance Committee after the Frank B. Manley Company
studied   the   current   structure   of the   MAAHQ   and made
recommendations. It is important to note the distinction between
the MAAHQ, which provides professional support for most of the
MAA's activities and handles the business affairs of the MAA and
the MAA itself, which is governed by the Board of Governors and
consists of 29 sections and nearly 30,000 members.   Also, any
changes should help promote the MAA's Strategic Plan in Action
and enhance the MAA's priorities for the next five years. One of
the recommendations was that the MAAHQ should focus more strongly
on facilitating the MAA's mission and membership services and
less on routine clerical tasks.   The essential changes in the
MAAHQ involve three levels of management.   (1) The executive
director (currently Marcia P. Sward) will still head the MAAHQ
but her duties and responsibilities have been re-allocated to
enable her to focus more on the strategic issues relating to
organizational management and the future direction of the MAA.
(2) The position of Associate Executive Director)/Director of
Publications & Programs (currently Don Albers) has been changed
to AED/Director of Publications & Electronic Services.   The
position of AED/Director of Finance & Administration has been
changed to Director of Finance.   Some of the administrative
responsibilities associated with the former position will be
shifted to the Executive Director and her Special Assistant.
There will be a new AED for Member Services & Programs. The
SUMMA activities will fall under this AED. (3) Three managerial
positions will be filled by professionals who are not necessarily
mathematicians. These are the Directors of Finance, the Director
of Marketing, and the Director of Development. The restructuring
has already begun and will be fully implemented by October 31.
Also,   the MAA will outsource routine membership services,
including those involving publications. It is hoped that this
new arrangement will save the MAA money and provide MAA members
with even better service. The topic of the restructuring of the
MAAHQ caused much discussion at the Board of Governors meeting.

3. The 36th International Mathematical Olympiad was held on July 19-20, 1995 in Toronto, Canada. The team from China took first place with a total of 236 points. They were followed by Romania (230 points), Russia (227 points), Vietnam (220 points), and Hungary (210 points). The United States team finished in 11th place with a total of 178 points. The USA team consisted of Christopher C. Chang (grade 11, Palo Alto, CA), Jay H. Chyung (grade 12, Iowa City, IA), Andrei C. Gnepp (grade 12, Gates Mills, OH), Aleksandr L. Khazanov (grade 12, New York, NY), Jaco A. Lurie (grade 11, Silver Spring, MD), and Josh P. Nichols-Barrer (grade 10, Newton, MA). The USA team is led by Mr. Titu Andreescu (team leader), Prof. Paul Zeitz (deputy leader), and Prof. Walter Mientka (observer). Next year, the IMO will be held in India.

4. The following proposed bylaws change was approved by the Board of Governors and will be taken to the MAA membership at the Business Meeting in January 1996 in Orlando. "All dues shall be payable on the anniversary of the date the member joins the Association." This is a change from "All dues shall be payable on the first of January of each year." This change will not affect current members but will affect any new members joining the MAA.

5. Several new books will soon be available as MAA publications. Some of them are "She Does Math", edited by Parker; "The Power Book" by Barbeau; a biography of Paul Erdos; and a book by John Horton Conway.

6. Results of a priorities survey of the Board of Governors were presented. Each current and incoming governor was given 100 points to distribute over seven categories. Thirty-one governors responded. The priority ranking of their responses regarding categories (average number of points) is given below.
Publications (31), Meetings (22), Member Services (15.6), Student Services (12.8), Competitions & Awards (9.6), Professional Development (8.4), and Other (0.6).

7. Fred Rickey reported that the MAA now has a WWW home page. Each section is urged to design its own home page.

8. The Board of Governors approved some changes regarding how MAA department representatives are chosen and how they will be overseen. The MAA national office will annually send out letters to department chairs asking them to appoint their MAA department representatives. A standing committee on MAA representatives will be formed to oversee the activity of the MAA department representatives. At the Board of Governors meeting an ad-hoc committee on MAA representatives presented some of their findings as to how MAA representatives might be better utilized by the MAA. It is hoped that this effort will make the MAA representatives much more useful and effective.

From the Secretary-Treasurer:
Yungchen Cheng, SMSU

The following members of the Executive Committee were present.

Chair   Al Tinsley, Central Missouri State Univ.
Vice-Chair   Bob Sheets, Southeast Missouri State Univ.
Past-Chair   Larry Martin, Missouri Southern State College
Governor   Lanny Morley, Northeast Missouri State Univ.
Newsletter Editor   Vic Gummersheimer, Southeast Missouri State Univ.
Student Chapter   Dennis Malm, Northwest Missouri State Univ.
Secretary-Treasurer Yungchen Cheng, Southwest Missouri State Univ.

     Guest: Ken Ross, President, MAA

1. Al Tinsley called the meeting to order at 11:04 am.

2. The minutes of the 1994 September Executive Committee meeting
    were approved.

3. Yungchen Cheng distributed the financial report. The current
    balance as of April 1, 1995 was $2,197.17.

4. Vic Gummersheimer encouraged all institutions to send in
    campus activities for the newsletter.

5. Dennis Malm had sent letters to schools to encourage forming
    MAA student chapters. He will submit another Exxon grant
    application.

6. Al Tinsley announced that the Nominating Committee (Shirley
    Huffman, chair; Ed Andalafte, Susan Callahan) had nominated
    David John of Missouri Western State College to be the next
    Vice-Chair and Yungchen Cheng of Southwest Missouri State
    University to serve another term as the Secretary-Treasurer.

7. Larry Martin presented his survey of Missouri institutions on
    the college core mathematics course as referred to in CBHE's
    Transfer Guidelines. After discussion, the Committee decided
    to present the findings at the business meeting and let the
    Section decide an appropriate action.

8. Al Tinsley informed the Committee that Jack Jolly of Missouri
    Southern State College was appointed to the Distinguished
    Teaching Award Committee. Due to Ray Malzahn's retirement,
    Curtis Cooper was asked to serve as the interim chair this
    year.

9. Bob Sheets announced that next year's Section meeting will be
    held on April 12-13, 1996, joined by MCTM and MOMATYC.

10. The Committee accepted Rockhust College and CMSU's requests
    to host future meetings. The record shows the future meeting
    sites are as follows.

                 1996 Southeast Missouri State University
                 1997 Missouri Western State College

1998 Southwest Missouri State University
                    1999 Rockhurst College
                    2000 Central Missouri State University

11. The Committee accepted a mathematics contest proposal
    submitted by Curtis Cooper and will present it at the
    business meeting.

12. Bob Sheets will represent our section at the summer Section
    Officers' meeting.

13. Al Tinsley informed the Committee of his experiment with
    electronically distributing the spring newsletter and meeting
    schedule. Five sites were chosen and the responses have been
    positive.   The Committee expressed an interest to see a
    further expansion of this effort.

14. The Committee approved the proposed agenda for the business
    meeting and invited Ken Ross to address the Section at the
    meeting.

The meeting was adjourned at 12:16 pm.

                         Respectfully submitted,

                         Yungchen Cheng
                         Secretary-Treasurer

                         From the Campuses

Central Missouri State University (Warrensburg)
    Ms. Cynthia Ramey has joined the faculty as an instructor in
Mathematics Education. She received her BSE, MSE and EdSpec
degrees from Central Missouri State University and is working on
her Ph.D. (currently ADB) in Mathematics Education at UMKC. She
has taught for 25 years in public schools, most recently with the
Lee's Summit School District.
    Dr. Songlin Tian and Dr. Vince Edmondson were granted tenure
in the Department of Mathematics and Computer Science effective
August 1995. Dr. Edmondson was promoted to the rank of Associate
Professor.
    The Department has formed a new student organization for
majors in Actuarial Science. Dr. Jean Tao and Dr. Alvin Tinsley
will serve as faculty sponsors for The Actuarial Organization
(TAO).
    Dr. Terry Goodman is the project director and Dr. Robert
Kennedy is the course instructor for a "History of Math" project
targeted for middle school mathematics teachers.   Lessons are
taped and broadcast via satellite to several sites. Participants
are eligible to earn graduate credit for the course. The project
is funded by an Eisenhower grant. (Submitted by Ed Davenport)

Culver-Stockton College (Canton)
    Dr. Gary G. Cochell, Professor and Head, was honored last
year by Governor Mel Carnahan as a recipient of the Governor's
Award for Excellence in Teaching.   He also attended the

NSF-sponsored Institute in the History of Mathematics and Its Use in Teaching at American University in Washington, D.C., from June 3-23, 1995, and taught in the summer session at Cornell University, Ithaca, New York.

Dr. Atul Roy, Associate Professor, taught in the summer session at UCLA, Los Angeles, California. He is on leave of absence this year to participate in the sabbatical program at Cornell University, Ithaca, New York.

Dr. Fred Helsabeck, Associate Professor, attended the Fourth Conference on the Teaching of Mathematics, held in San Jose, California on June 23-24, 1995. He is also preparing for tenure review this fall.

Mr. Robert Burtnett is serving as adjunct in our department this year. (Submitted by Gary G. Cochell)

Drury College (Springfield)

Carol Collins, Ph.D. has joined the faculty of Drury College as the new chair of the Mathematics Department. Her Ph.D. dissertation concerned topological semigroups. She also has an M.S. in computer science and has worked on interplanetary NASA missions for the past eight years at CalTech's Jet Propulsion Laboratory.

Dr. Collins is taking the lead in defining the new minor in computer science which will soon be offered in the Mathematics Department.

Professor Stephen Rutan retired from the Department of Mathematics on January 1, 1995 after 33 years of service to Drury College. His retirement plans include much travel as he visits his children on each coast.

Our student organizations have been very active. The highlight of the math club's activities for the spring semester of 1995 was a trip to the National Convention of Kappa Mu Epsilon held at Fort Lewis College in Durango, Colorado. The purpose of the Convention is for the presentations of student papers and Drury's chapter was proud to have one of its students, Kate Good, present a paper on her readings in Catastrophe Theory at the convention.

For the fall semester of 1995, the Math Club is running a Tutoring Service for the Math students at Drury. The Club is also holding several social events at the homes of the faculty members, including a bonfire and a special Christmas party. Our faculty sponsor is Dr. Charles Allen.

The Math Department is in the process of developing a new Math course in conjuntion with the Science Division that will be part of a 12 hour general education requirement for all Drury students. The 12 hours will include a 6 hour science course that will be team taught by faculty from Biology, Physics, and Chemistry. This course will be followed by a science course designed to give all Drury students the experience of undergraduate research in science. The purpose of the new mathematics course is to give the students the necessary math concepts and skills to handle the 9 hour science requirement. The topics include : Algebra, Trigonometry, Probability and Statistics, and Calculus. (Submitted by Carol Collins)

Harris-Stowe State College (St. Louis)

Dr. Lateef Adelani has been promoted to Associate Professor.

Ms. Ann Podleski should have completed her Ph.D. requirements by the end of the year and be considered for promotion to

Assistant Professor.

Dr. John Behle is Chair of the Arts and Sciences Department.

Departmental Projects: Ms. Ann Podleski has been serving on the University City Science Advisory Committee. Dr. Lateef Adelani has been selected to participate in the Network for Educational Renewal, led by John Goodlad. Ms. Podleski and Dr. Behle will be conducting follow-up research with respect to the influence of the NCTM curriculum standards. (Submitted by John Behle)

Jefferson College (Hillsboro)

Linda Cook, Professor of Mathematics, received the Emerson Electric Excellence in Teaching Award. (Submitted by Richard Vaughn)

Missouri Southern State College (Joplin)

Dennis Harmon was awarded tenure.

J. Larry Martin was appointed Dean of Arts & Sciences.

Juan L. Vazquez was appointed Head of the Mathematics Department.

Tim Flood has accepted a position closer to his home in Kansas.

Departmental Projects:

Chip Curtis has initiated a Problems Seminar.

Linda Hand is working on a grant to promote the use of graphing calculators in Pre-calculus. (Submitted by Juan L. Vazquez)

Northwest Missouri State University (Maryville)

New Faculty: Amy Gaskins, Ed.D. from UNLV, Assistant Professor, Mathematics Education; Cyrus Brown, M.A. from the University of Nebraska-Lincoln, Instructor.

Promotions: Kurt Fink to Associate Professor; Cheryl Gregerson to Assistant Professor (completed Ph.D.)

Tenure: Dennis Malm

Grant: Cheryl Gregerson, MAA/Tensor Foundation grant for Women and Mathematics Workshop; Cyrus Brown and Cheryl Gregerson, Northwest Culture of Quality grant for Developmental Mathematics Pilot Using Notebook Computers. (Submitted by Dennis Malm)

St. Louis Community College-Meramec (St. Louis)

New faculty: James Frost, Instructor

Promotions: Ron Paul, Assistant Professor; Toni Garrett, Associate Professor

Math Club: Math Support Group is a student organization which does everything from sponsoring workshops on Math Study Skills and Math Anxiety coping strategies to bringing in outside speakers for Math Awareness Week. It recently won an award as the outstanding student organization on the Meramec campus.

Departmental Projects: Integrating Academics-Tech Prep, New delivery methods for developmental mathematics, more technology in all courses in the curriculum. (Submitted by Lillian Seese)

Southeast Missouri State University (Cape Girardeau)

Mr. Robert Bruns, Dr. Harold Hager, and Dr. Leonard Palmer retired during August 1995. Mr. Wayne McPherson will retire during December 1995.

Dr. Janie Kennedy (1995 Ph.D. from Auburn University in Combinatorics) and Dr. Sharon Yan (1994 Ph.D. from

SUNY-Stonybrook in Statistics) are new to the Department this semester.

Dr. Vic Gummersheimer is serving as Acting Chair of the Mathematics Department.

Dr. John Young is teaching a course in Mathematics for Mathematics Teachers to off campus locations by way of television.

Dr. Mohan Tikoo is the Putnam advisor. Drs. Ahuja, Kennedy, and Wyatt are the Mathematics Club advisors. (Submitted by Vic Gummersheimer)

Southwest Baptist University (Bolivar)

Dr. Kevin W. Hopkins and Bob Glasgow, members of the Mathematics Department at Southwest Baptist University, conducted two one-week Eisenhower workshops in August, 1995. Forty-three middle school and secondary mathematics teachers participated in these workshops where they studied mathematics graphing utilities, both calculators and computer software. Submitted by (Dr. Kevin W. Hopkins)

Southwest Missouri State University (Springfield)

New Assistant Professors: Zongwu Cai, Ph.D., University of California at Davis, Statistics; Larry Campbell, D.A., Northern Colorado University, Mathematics Education; Yingcai Su, Ph.D., University of North Carolina at Chapel Hill.

Promotion: Richard Belshoff, Kurt Killion, Kishor Shah, and Xingping Sun.

Tenure: Richard Belshoff, Kishor Shah, Susan Slattery, and Xingping Sun.

Award: Shouchuan Hu (1994-95 SMSU Foundation Excellence in Research).

New MAA Student Chapter Advisor: Les Reid

Sabbatical: George Mathew (1995-96), Clay Sherman (Fall 1995).

Administrative Internship: Vera Stanojevic (1995-96).

New Position: Susan Slattery, Alabama State University

External Grants: Kurt Killion (Eisenhower), Lynda Morton (Eisenhower), Xingping Sun (EPSRC, British)

Internal Grants: Shouchuan Hu (Summer Fellowship), Shirley Huffman & Vera Stanojevic (College Curriculum Development), Sam Lynch (College Curriculum Development), Lynda Morton & Kurt Killion (SMSU Research Development), Beverly Weatherwax & Paula Kemp (Funding For Results)

Milestone: The department hosted its 25th Pummill Relays for area high schools. (Submitted by Yungchen Cheng)

University of Missouri-Columbia.

New Faculty: Tanya Christiansen,Ph.D., M.I.T., Specialty area is Scattering Theory; Stamatis Dostoglou, Ph.D., University of Warwick, Specialty area is Mathematical Physics; Dan Edidin, Ph.D., M.I.T., Specialty area is Algebraic Geometry; Igor Verbitsky, Ph.D., Kazan State University-Russia, Specialty area is Harmonic Analysis, PDE

Promotions:Dale Cutkosky,Professor; Stephen Montgomery-Smith, Associate Professor

Leadership Appointments: Nigel Kalton, Curator's Professor (Submitted by Bridget Kelley)

University of Missouri-Rolla

New Faculty: We have hired Ms. Mary Kirgan as an Instructor to teach in the department and serve as Mathematics Placement Advisor for all incoming freshmen and transfer students on campus.

Tenure and Promotion to Associate Professor: Dr. Matt Insall and Dr. Robert Roe.

Director of Graduate Studies: Leon Hall

Director of Undergraduate Studies: Robert Roe

MAA Student Chapter Advisors, Leon Hall and Robert Roe; KME advisors, Jim Joiner and Roger Hering; Putnam Competition advisor, David Grow; Modeling competition advisor, Mike Hilgers.

University of Missouri Research Board Grant: Gaoxiong Gan, Albert Goodman (Submitted by Tom Ingram)

Washington University (St. Louis)

New faculty members

Rachel Roberts, Assistant Professor, Ph.D., Cornell, 1992. Low-dimensional topology.

Mark de Cataldo, Visiting Assistant Professor, Ph.D., Notre Dame, 1995. Algebraic geometry.

Tracy Payne, Visiting Assistant Professor, Ph.D., University of Michigan, 1995. Differential geometry and dynamics.

Kazuya Tachizawa, Visiting Research Associate, Ph.D., Tohoku University, 1990. Harmonic analysis.

Aurelija Trgo, Visiting Assistant Professor, Ph.D., University of Southern California, 1993. Scattering theory, fluid dynamics.

Jacek Zienkiewicz, Visiting Research Associate, Ph.D., Institute of Mathematics, Polish Academy of Science. Analysis.

Tenure and Promotion: Sergio Fenley was promoted to associate professor with tenure.

Leadership: Edward N. Wilson replaced Gary R. Jensen as chairman.

Retirement: A. Edward Nussbaum retired in May, 1995 after 37 years in the department.

Math Club: Pi Mu Epsilon, sponsored by Professor Brian Blank, will hold its Sixteenth Annual High School Mathematics Contest on Saturday, February 17, 1996.

Department Projects: Our Putnam team finished eighth in last year's competition. Two of our students finished in the top 25 - Daniel Schepler was 8th and Jade Vinson was 24th. Seven of our students finished in the top 200 nationally. (Submitted by Terri Schneider)

Support   Math   Horizons

Math Horizons has just completed its first year of publication. Students across the country have responded that they love the career information, profiles of mathematicians, problems, and "just plain fun," which are found in each issue. Don't let the students at your school miss out on any of the action. Order copies for them now. (800-331-1622 or horizons@maa.org)

Mathematics Awareness Week - 1996

Mathematics and Decision Making is the theme for MAW this

coming April. This theme will enable us to explore such areas as forecasting, prediction, uncertainty, probability and risk assessment and analysis.   If anyone has suggestions for visual expressions of the theme to be used on the theme poster and postcards, make them to Kathleen Holmay, Public Information Director, JPMB, at kholmay@nas.edu or 301-942-9595 or Fax: 301-942-2777.

1996 Summer Short Course Host Site Opportunity

The Ohio State University Technology Summer College Short Course �T(SC)"� Program founded by Bert Waits and Frank Demana will again be co-sponsoring a variety of week-long short courses designed for college mathematics faculty at selected college sites throughout the United States during the summer of 1996. Short courses will focus on calculus reform and AMATYC Standards mathematical content. All short courses will feature instruction on the Texas Instruments graphing calculators including the TI-92. �T(SC)"� instructors are all highly qualified college faculty with experience in the teaching and learning of mathematics enhanced with technology.   Short course options include:

Mathematics in the foundation, developmental, & college prep
     levels(TI-82 & CBL)
College algebra and data analysis (TI-82 and CBL)
Precalculus and calculus (TI-82 and/or TI-85 and CBL)
Calculus enhanced with computer algebra (TI-92)

Grants of up to $4000 are available from Ohio State to selected host sites. If you are interested in hosting a �T(SC)"� short course at your college or university during the summer of 1996, please contact: Ed Laughbaum, Department of Mathematics, Room 342 Math Tower, The Ohio State University, 231 West 18th Avenue, Columbus, OH 43210. Ph: 614-292-7223 FAX 614-292-0694 Email waits@math.ohio-state.edu (Ed Laughbaum)

MATHEMATICAL ASSOCIATION OF AMERICA
AWARD FOR DISTINGUISHED COLLEGE OR UNIVERSITY TEACHING
OF MATHEMATICS

Nomination Form (Please Type)

Name of Nominee (Last name first) _____

Name of College or University _____

College or University Address _____

College Telephone (__) _____   Home Telephone (__)_____

Number of years of teaching experience in a mathematical science _____

Has the nominee taught at least half time in a mathematical science for the past three years (not counting a sabbatical period)? _____

Activities related to teaching

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Publications related to teaching if any (List no more than

five) _____

_____

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Membership   and   significant activities   in   relevant
professional organizations

_____

_____

Previous awards for teaching, if any
_____

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Additional relevant information _____

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Name of Nominator (last name first)_____

Address of Nominator _____

                         _____
                                 Signature

                 Evidence of Success in Teaching

      Please describe the nominee's success in teaching
   by   providing   a   narrative   of   the nominee's
   background, experience, teaching style, special
   contributions, and other related information not
   already included in the Nomination Form.   Please
   limit this portion to no more than four pages, which
   must be typewritten and double-spaced on one side
   only of an 8 1/2 x 11 paper.   Type size, whether
   word processor or typewriter, should be no smaller
   than 12 point (pica) in size.

      You are also requested to submit no more than 3
   pages   of evidence   to document   the nominee's
   extraordinary teaching success.   For   example, a
   sample of   student   survey   results (including
   pertinent information about the form used, how it
   was administered, and the meaning of the scores
   given), increases in numbers of mathematics majors
   or Ph.D. candidates, or student successes in

mathematical competitions.

In addition, you may include a maximum of five letters of recommendation (limited to one page each) with at least two from the nominee's present or former students and at least two from colleagues (one of whom could be the department chair).

Curricula vitae should not be submitted since the information from them relevant to teaching success should be included in the Nomination Form and the other documents mentioned above.

Please send four copies of each nomination packet to

Darrel R. Thoman
Department of Mathematics
William Jewell College
Liberty, MO 64068

(816) 781-7700

so as to be received no later than January 1, 1996.

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AMS SUBJECT CLASSIFICATION (see list below)_____

SPECIAL ACCOMMODATIONS NEEDED   (Overhead projector,
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PLEASE RETURN THIS FORM BY FEBRUARY 2, 1996, TO:

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        Mathematics Subject Classification

00 General
01 History and biography
03 Mathematical logic and foundations
04 Set theory
05 Combinatorics
06 Order, lattices, ordered algebraic structures
08 General algebraic systems
11 Number theory
12 Field theory and polynomials
13 Commutative rings and algebras
14 Algebraic geometry
15 Linear and multilinear algebra; matrix theory
16 Associative rings and algebras
17 Nonassociative rings and algebras
18 Category theory, homological algebra
19 K-theory
20 Group theory and generalizations
22 Topological groups, Lie groups
26 Real functions
28 Measure and integration
30 Functions of a complex variable
31 Potential theory
32 Several complex variables and analytic spaces
33 Special functions
34 Ordinary differential equations
35 Partial differential equations
39 Finite differences and functional equations
40 Sequences, series, summability
41 Approximations and expansions
42 Fourier analysis
43 Abstract harmonic analysis
44 Integral transforms, operational calculus
45 Integral equations

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46  Functional Analysis
47  Operator theory
49  Calculus of variations and optimal control; optimization
51  Geometry
52  Convex and discrete geometry
53  Differential geometry
54  General topology
55  Algebraic topology
57  Manifolds and complexes
58  Global analysis, analysis on manifolds
60  Probability theory and stochastic processes
62  Statistics
65  Numerical analysis
68  Computer science
70  Mechanics of particles and systems
73  Mechanics of solids
76  Fluid mechanics
78  Optics, electromagnetic theory
80  Classical thermodynamics, structure of matter
81  Quantum theory
82  Statistical mechanics, structure of matter
83  Relativity and gravitational theory
85  Astronomy and astrophysics
86  Geophysics
90  Economics, operations research, programming, games
92  Biology and other natural sciences, behavioral sciences
93  Systems theory; control
94  Information and communication, circuits
96  Mathematical education, elementary
97  Mathematical education, secondary
98  Mathematical education, collegiate
99  Unclassified or late
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