

MU MATHEMATICS EDUCATION NEWSLETTER

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Upcoming Events:

- **MCTM Annual Meeting**
Columbia, Missouri
November 30-
December 1, 2007
- **AMTE Twelfth Annual Conference**
Tulsa, Oklahoma
January 24-26, 2008
- **CSMC Research Conference**
Feb. 21-23, 2007
Phoenix, AZ
- **NCTM 2008 Annual Meeting and Exposition**
April 9-12, 2008
Salt Lake City, Utah
- **Fourth Annual Richard Andrews Lecture**
Lee Stiff, North Carolina State University, former president of NCTM
March 4, 2008
Columbia, Missouri
- **CSMC Second International Mathematics Curriculum Conference**
May 2-4, 2008
Chicago
- **International Congress on Mathematical Education (ICME 11)**
July 6-13, 2008
Monterrey, Mexico



NEW \$1.2 MILLION ENDOWED CHAIR IN MATHEMATICS EDUCATION

In October, the University of Missouri–Columbia's College of Education hosted its sixth annual dinner to recognize the members of its giving club, the Grace Bibb Society. Norm Stewart, a two-time College of Education alum and this year's distinguished speaker, announced a newly funded, endowed chair in mathematics education at the event. Richard G. Miller donated \$1.2 million to MU to establish the Richard G. Miller Endowed Chair in Mathematics Education. This donation follows Miller's past support of Tiger athletics and funded endowed chairs in literature and writing, cognitive neuroscience, and business.

Miller graduated from MU in 1970 with a bachelor's degree in mathematics. He is president of Miller's Professional Imaging, a company started by his father, William, a Mizzou graduate and respected photographer. The Miller legacy at Mizzou began with Richard's grandfather, E. Lee Miller, captain of the Mizzou football team in 1907 and 1908. Richard's father, William S. Miller, graduated in 1933 with a bachelor's degree in chemistry, and his uncles, John P. Miller and Richard C. Miller, graduated in 1935 and 1936. All three played on the Tiger football teams.

MU FACULTY RECEIVE HIGHEST HONORS

NCTM honored **Douglas A. Grouws** as recipient of the 2007 Mathematics Education Trust (MET) Lifetime Achievement Award for Distinguished Service to Mathematics Education. He was selected in recognition of a lifetime of accomplishments in leadership, teaching, and service to mathematics education. The award was presented on March 22 at the NCTM 2007 Annual Meeting and Exposition in Atlanta, GA.

Doug is internationally known for his research on teaching, instructional designs, and work in teacher education. Grouws is an active leader within NCTM and other professional organizations. He has served as editor of the Journal for Research in Mathematics Education monograph series and as a member of NCTM's Research Committee, Elections Committee, and Annual Meeting Committee. Grouws also participated in the NCTM Research Agenda Project, editing its influential conference report, Perspectives on Research on Effective Mathematics Teaching. "I'm honored to get this prestigious award," Grouws says. "It's always nice to be recognized for your work, but it is especially nice to be recognized by your peers."



Doug Grouws, Research Professor and recipient of the 2007 Lifetime Achievement Award

Fran Arbaugh was honored as a 2007 William T. Kemper Fellow for Teaching Excellence. The William T. Kemper Foundation established these fellowships in 1991 to honor outstanding teachers at the University of Missouri-Columbia. Every spring, the MU chancellor and executives from Commerce Bank, the trustee for the Kemper Foundation, interrupt the classes of new Kemper Fellows and surprise each of them with \$10,000 to spend as they wish.

Fran Arbaugh is dedicated to helping teachers understand and extend their students' mathematical thinking and reasoning. Her research focuses on mathematics teachers' learning, especially in professional development projects, and contexts of learning, through vehicles such as teacher study groups, types of curriculum and college courses. Her work has been published in various journals, including The Journal of Mathematics Teacher Education and Teaching Children Mathematics. She has earned several "High Flyer" teaching awards from the College of Education. In 2004, Arbaugh was nominated for the Provost's Outstanding Junior Faculty Teaching Award, and last year, she received the MU Excellence in Education Award.



Fran Arbaugh, Associate Professor and 2007 William T. Kemper Fellow for Teaching Excellence

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NATIONAL CONFERENCE ON DOCTORAL PROGRAMS IN MATHEMATICS EDUCATION

Last September MU organized the Second National Conference on Doctoral Programs in Mathematics Education. The 150 participants from 90 institutions represented forty states and four countries. They met in Kansas City to discuss issues and share strategies and products related to mathematics education doctoral programs. Bob Reys chaired the conference planning panel, which also included Barbara Reys, doctoral students Nevels Nevels and Dawn Teuscher, and MU alumna Vena Long, among others. The conference was a great success as it looked at the progress made during the past decade and raised new questions and issues for the participants. For more information, see <http://www.mathcurriculumcenter.org/conferences/progress/>

NCTM REGIONAL CONFERENCE IN KANSAS CITY

Mizzou mathematics education faculty, students and alumni were well represented at the NCTM conference in Kansas City last month.

Over 50 people attended the Mizzou reception on Thursday evening including alumni, faculty, graduate and undergraduate students. Some "friends" of the program also joined us, including two past NCTM presidents (Glenda Lappan and Gail Burrill), the current NCTM president (Skip Fennell), the president-elect of NCTM (Hank Kepner) and the Executive Director of NCTM (Jim Rubillo). The group enjoyed bonding around the Mizzou flag and doing the famous MIZ - ZOU cheer! Even a few KU Jayhawk fans made their appearance (we were quite cordial)!

KIM VOSS, PAST PRESIDENT OF MIZZOU ALUMNI ASSOCIATION

Kim Voss (BS 1987) and a mathematics teacher was president of the Mizzou Alumni Association in 2006-07. We are more than happy to recognize her for this significant contribution to MU.

I graduated in '87 with a BS in Secondary Math Education. I taught math in the Rockwood School District from '87 to '94, teaching everything from general math to A.P. Calculus. I was able to complete my Masters in math education at UMSL in 1991. Although I loved my career, I left it to raise my two children.

Upon leaving the classroom, I began my own math tutoring business, which I conducted from my

MU DOCTORAL PROGRAM RANKS HIGH

The November 2007 issue of the *Notices of the American Mathematical Society* includes an article by Bob Reys, Bob Glasgow, Dawn Teuscher, and Nevels Nevels, "Doctoral programs in mathematics in the United States: 2007 status report" (<http://www.ams.org/notices/200710/>). The article includes results from a survey in which the authors asked participants to identify "particularly strong" doctoral programs. According to the results of this survey MU is ranked in the top tier of institutions—within a group including University of Georgia, University of Michigan, Michigan State University, and University of Wisconsin. This survey reflects a peer evaluation by faculty in doctoral programs in mathematics education from across the country, which adds to its significance.



Our current doctoral students

Front Row (left to right): Aina Appova (Turkmenistan), Kelley Buchheister (FL), Angi Sutter (OH), Maryann Huey (MO), Ryan Nivens (MO), Dawn Teuscher (UT)

Back Row (left to right): Travis Olson (MO), Dan Ross (NE), Mike Perkowski (MO), Troy Regis (AZ), Melissa McNaught (MO), Christa Jackson (MO), Cynthia Taylor (PA), Matt Webb (UT), Sarah Pomerence (CO), Matt Switzer (CO), Nevels Nevels (MO), and Liza Cummings (MO).

home. I found a tremendous need for math tutoring of high school aged students. I did this from '94 to '02 - at which time I had to change paths again to accommodate the family schedule.

I am currently the billing manager for my husband's law firm, Zick, Voss & Politte, P.C. and I just finished my term (July 1, 2006- July 1, 2007) as president of the Mizzou Alumni Association. I was lucky enough to serve as president during the year in which the MAA celebrated its 150th anniversary. It was a special year for me. I am currently serving the Association as immediate past-president.

Our MU scholarship fund for undergraduates is growing, but needs your help. To learn how you can contribute to the scholarship fund, check our website below.

LET'S HEAR FROM YOU!

Do you have an accomplishment or news to share with fellow alumni? We want to hear from you! Send information to chavez@missouri.edu.

Visit us on the web at <http://matheducation.missouri.edu>

Alumni News

- **Emily Geisel (BS '06).** Received Columbia Public Schools' Outstanding New Teacher Award.
- **Vena Long (Ed.D. '91)** of the University of Tennessee, was recognized with a Citation of Merit for Outstanding Achievement and Meritorious Service—2007 from the MU College of Education.
- **Bob Borst (BS '92)** was named 2006 Middle School Teacher of the Year by MCTM.
- **Curtis James (B.Ed. '96)** was a candidate for the NCTM Board of Directors.
- **Barbara Reys (Ph.D. '85)** is a candidate for president of the Association of Mathematics Teacher Educators (AMTE).

Faculty News

- **Fran Arbaugh and John Lannin** were promoted to associate professors. Congratulations to both!
- **Barbara Reys** will serve as chair of Topic Study Group 35: *Research on mathematics curriculum development* at ICME 11.
- **James Tarr** will serve as chair of Discussion Group 1: *Curriculum Reform: movements, processes and policies* at ICME 11.
- **Bob Reys** will serve as team member of Discussion Group 12: *Rethinking doctoral programs in mathematics education* at ICME 11.

