**MOMATYC**

MISSOURI MATHEMATICAL
ASSOCIATION OF TWO-YEAR
COLLEGES

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Rational Expressions

Expressions # 0

Volume 6.0221415 x 10²³

October 2008

12th Annual MOMATYC Conference by Jason Pallett

In the spring of 2008, MOMATYC returned to a familiar location and held its annual conference at the Port Arrowhead Resort in Lake Ozark, MO. The conference was once again successful and was well attended both by regular faces and by new faculty members from across the state of Missouri. For the 12th annual conference, MOMATYC will be at a new location. The 2009 conference will be held April 2-4 and will be at the campus of St. Charles Community College near St. Peters, MO in Cottleville, MO.

On behalf of MOMATYC, you are hereby cordially invited to attend our Spring 2009 Conference. The MOMATYC Conference is a great opportunity to meet others in your profession, and to learn new ideas to incorporate into your classroom. If you are not already involved with MOMATYC, now is an exciting time to get involved as the MOMATYC Executive Board is planning some new things. One new event that is being planned is a joint conference with MAA in the spring of 2011. The

board has also been working on a new MOMATYC Scholarship. In this newsletter, you can find more details about the scholarship and it will also be discussed further at our annual business meeting in the spring.

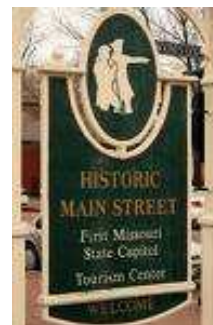
I would like to bring to your attention a change that will affect the members of MOMATYC. It is with regret that I inform you that Pete Wildman, the AMATYC Central Region Vice President, has resigned his position. The reason for Pete's resignation is that he has accepted a new teaching position in Spokane, Washington, which is outside of our central region. Though we will miss Pete, MOMATYC extends congratulations to him on his new position. It is with great pleasure that I would like to announce and welcome Joe Gallegos as our new Central Region Vice President. Joe was an Assistant Professor in the Department of Mathematical and Computer Sciences at San Antonio College from 1993 to 1996. Starting in 1996, Joe became an Assistant Professor in the Division of Computational

Sciences and Related Technologies at Salt Lake Community College and has also served as the Mathematics Department Chair at Salt Lake Community College since 2004. Joe was also the Conference Chair of the 2003 AMATYC Conference that was held in Salt Lake City. Welcome, Joe!

Finally, I would like to extend a thank you to everyone who participates in MOMATYC including board members, presenters, presiders, and conference participants. MOMATYC would not be able to successfully plan and execute each conference without the help and participation of everyone.

So mark your calendars for the 2009 conference and I hope to see everyone there!

Jason Pallett



12th Annual MOMATYC Conference at St. Charles Community College by Lola Swint

SAVE THE DATE! April 2 - 4, 2009 is the date for our spring conference at St. Charles Community College (www.stchas.edu). Our annual conference provides an opportunity for you to network with Missouri community college Math instructors. We will have valuable sessions for you to attend. Our keynote speaker this year will be Dr. Rita Barger, Assistant Professor at the University of Missouri, Kansas City. See

her biography and presentation focus in the separate article on following page.

Our sessions will be held at the college, located at 4601 Mid Rivers Mall Drive in Cottleville, MO. The college campus will provide access to classroom technology and a computer laboratory. We are looking forward to using these facilities and sincerely appreciate the support of the faculty and administra-

tion at SCC.

Lodging will be available at the Drury Inn, located about 3 miles from the college. A block of 45 rooms has been reserved until March 2, 2009 for conference attendees with a single/double rate of \$85 plus tax per night. Hot breakfast is included. Check-in time is after 3:00 p.m. and check-out time is 11:00 a.m.

Drury Inn

I-70 and Mid-Rivers Mall Drive
St. Peters, MO

Reservations: 1-800-325-0720

When you call, please state that you need the Drury Inn at St. Peters, MO for the MOMATYC conference.

Local Phone Number: 636-397-9700

Website: www.druryhotels.com (Click on Book It Fast; use the MOMATYC Group Number: 2034265)

A Call for Presenters form can be found in the back of this newsletter for those interested in presenting at the conference. Completed forms should be submitted by January 21, 2009. Please consider presenting so that you may share your knowledge and wisdom of the classroom or of a particular topic with the group.

As an added bonus, a half-price registration is allowed for one presenter per session. Surveys from last year's meeting indicated that members are interested in

sessions focusing on: Roundtable discussions (any topic), Calculus, Differential Equations, Linear Algebra, Proofs, Technology in the classroom, Critical Thinking, Safety in College/Classrooms, Projects using Mathematica or Matlab, College Algebra and AMATYC Standards, Implementing a Four-Day Work Week, Developmental Studies Department vs. Mathematics Department courses. Other appropriate topics will also be welcome. Please do not hesitate to use the 2009 MOMATYC

Conference Presentation suggestion Form included in this newsletter to suggest a topic for a session.

“As an added bonus, a half-price registration is allowed for one presenter per session.”

More details on Spring Conference on following pages!

2009 Keynote Speaker – Dr. Rita Barger

Dr. Barger was a classroom teacher for 25 years. She taught mathematics at both the middle and high school levels. In addition, she taught in a gifted program that served students in grades 2 through 12. After retiring from public schools, she took a position in mathematics education at University of Missouri, Kansas City. Here she works with undergraduate and graduate students. One of her favorite duties is working with doctoral candidates to help them become knowledgeable about mathematics education and its researchers, while she aids them in designing research that fits their passions and advances the field. Her own interests are varied, but cen-

ter around the learning and teaching of mathematics, attitudes and beliefs about mathematics, professional development and recreational mathematics.

“... we must be more aware of the holistic thinkers in our classrooms. Too often these are the ones who have been unsuccessful.”

Dr. Barger’s keynote address will be “Helping the Other Half of Your Students Be Successful.”

Research shows that there are two very distinct learning styles in mathematics – linear and holistic. Typically, mathematics is taught in a linear fashion. Students who are linear thinkers do very well in mathematics. However, we must be more aware of the holistic thinkers in our classrooms. Too often these are the ones who have been unsuccessful; often they are also very much at risk. This presentation will provide characteristics of both styles as well as specific suggestions for teaching in a way that helps both types of students be more successful.

MOMATYC Scholarship by Russell Murray

For the past year, the Executive Board of MOMATYC has been working on a scholarship proposal. MOMATYC will fund an annual scholarship in the amount of \$300 to be awarded to a deserving and qualified graduate student in mathematics at a university in the state of Missouri. MOMATYC will also provide funds for the recipient to attend the annual MOMATYC conference (complimentary registration and lodging) along with a complimentary one-year membership in the organization. To qualify for the award, the student must meet the following criteria:

- Be currently enrolled

full-time in good academic standing in a mathematics graduate program at an accredited university in the state of Missouri.

- Have a GPA of at least 3.5 in their mathematics graduate program at this university.
- Have teaching mathematics at the community/two-year college level as a career goal.

To apply for the award, the Board plans for the prospective student to submit a two-page essay expressing his/her interest in the scholarship, plus three letters of

recommendation and a graduate transcript. Plans call for the first applications to be solicited in Fall 2009, with the first scholarship being awarded at the Spring 2010 conference.

The Board will actively seek the input of the membership on this scholarship proposal by having a vote on the issue during the Annual Business Meeting at the Spring 2009 conference. A full copy of the proposal will be sent to all MOMATYC members in February 2009 so that they may examine the issue more closely before voting on it.

ROOM SHARING

If you would love to attend the **MOMATYC Conference in St. Peters**, but don’t have someone to share the cost of the hotel room, contact me, **Linda Schott**, at **OTC**. I will be setting up some room-sharing assignments. I have forms to be filled out, so please email me (schottl@otc.edu) if you would like a room mate and I will see what I can do.

We do more math before gam than most people do all day!

-Author Unknown

MOMATYC '09 AT SCC by Rich Christianson



Looking down Main Street
in historic St. Charles

All of us in the mathematics department at St Charles Community College (SCC) are excited about having you join us on our campus this spring for the 12th annual MOMATYC Conference!

We have set aside a block of rooms for use by conference participants at the St. Peters Drury Inn located on Interstate 70 at Exit #222 (Mid Rivers Mall Drive). This hotel was built in 1996 and is rated as the #1 place to stay in St. Peters. It is equipped with an indoor pool, a hot tub, and a fitness facility, and we fully anticipate that you will thoroughly enjoy your stay. Our Thursday evening reception will be held in the large meeting room located just off the main lobby. Dining choices within several blocks of the Drury Inn include Ruby Tuesday, Chili's, Olive Garden, Joe's Crab Shack, Pizza Hut, Red Robin, Bob Evans, and Max and Erma's.

On Friday morning (Saturday too!) you'll want to awaken early enough to enjoy the free hot breakfast buffet at Drury. The buffet will feature scrambled eggs, sausage, Belgian waffles, biscuits and gravy, fresh fruit, bagels, pastries, juices, hot and cold cereals, and much, much more.

After breakfast, an easy three-mile trip straight south on Mid Rivers Mall Drive will bring you to the SCC campus for the conference. Most conference sessions will be held in the new SSB building in which all classrooms are fully equipped

with smart technology. Sessions that require participants to be at computers will be held in the nearby TECH building. Lunch on Friday will be served at the college and should, in itself, be something of a treat; the SCC dining crew is known for preparing and serving some very tasty dishes!

For dinner you will have a wide array of restaurants from which to choose. Within several miles of SCC are Applebee's, St. Louis Bread Company, and, one of my personal favorites, Longhorn Steakhouse (you just have to try Flo's fillet!)

For even more dining selection – and entertainment – consider returning north to Interstate 70 and then traveling six miles east to the historic district of St. Charles. French, Mexican, Italian, Spanish, and American cuisine are all readily available in that quaint and popular area. One favorite eatery there is Lewis and Clark's American Restaurant, located in a renovated three-story building with outdoor patio dining overlooking Main Street and the Missouri River.

Two-hundred-year-old historic Main Street is Missouri's oldest and largest historic district. It boasts more than 125 unique shops that sell framed art, antiques, collectibles, stained glass, pottery, textiles, decorating accents, and on and on. The streets

of the district are made of brick, lit by antique gas lamps, and traversed by horse-drawn carriages. A complimentary trolley runs through portions of the district and can take you to the nearby Ameristar Casino Resorts and Spa.

After the closing session on Saturday, consider driving south on Missouri Highway 94 to the Weinstrasse. A winding two-lane road, the Weinstrasse passes through scenic wooded hills as it parallels the Missouri River and the Katy Trail. It begins in Defiance (about 14 miles from the college) and runs some 11 miles to Dutzow. Along the way, you'll see numerous wineries known for producing some of the finest wine in the Midwest. Most offer tours, samples, and consumer sales.



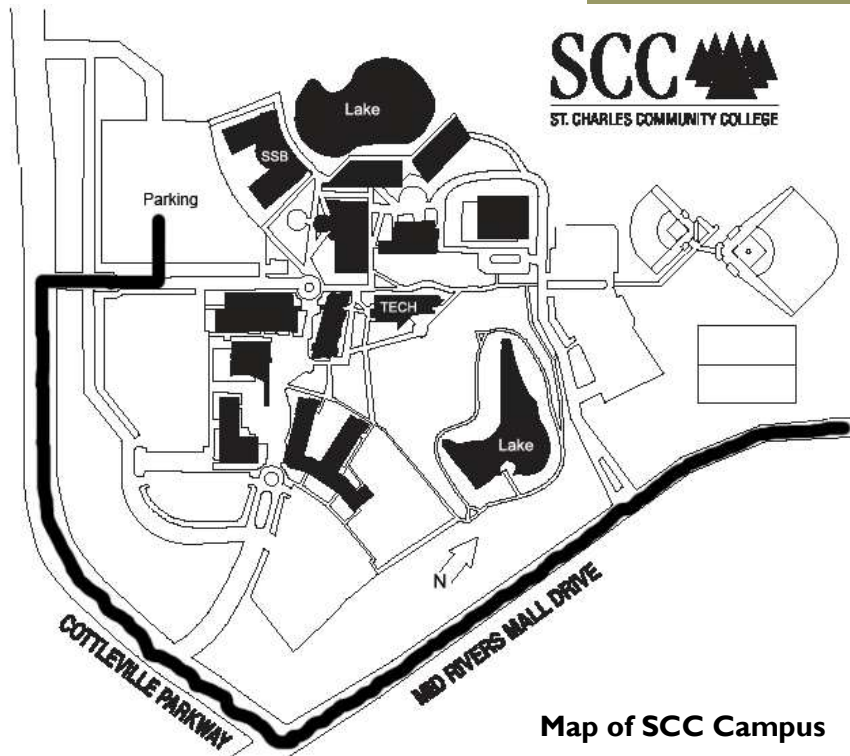
Hermannhof Winery

So please do plan to join us! Mark April 2 - 4 on your calendar. The 12th Annual MOMATYC Spring Conference promises to be a great one – with great sessions... great camaraderie... and a great location!

Maps to MOMATYC Spring Conference



Map to SCC



Map of SCC Campus

Getting Involved by Russell Murray

Once again, MOMATYC is looking for two-year college math faculty from across Missouri who are interested in getting involved with the organization. There are three ways for you to get involved with MOMATYC and expand your professional horizons:

Campus Liaison

One person at each two-year college is identified as the campus liaison. This contact provides for the two-way flow of information back and forth between the campus and MOMATYC.

Executive Board Member

The Executive Board of MOMATYC consists of a President, President-Elect, Past-President, Treasurer, Secretary, and four Directors

(Directors 1 – 4). The Board meets 3 – 4 times per year, with the main business of the Board centered on the annual conference. Duties associated with the conference are spread out among Board members. This year, MOMATYC will be seeking nominations for the offices of Secretary, Treasurer, and Directors 1 and 3. If you are interested in serving on the board, or if you know someone who is interested, please forward your nomination with contact information to Russell Murray, MOMATYC Past-President at the address:

rhurray@stlcc.edu.

MOMATYC Membership Included with this newsletter is an application for a MOMATYC membership. The membership fee is very reasonable, and memberships are available in either one- or three-year options. There is also a reduced-dues option for adjunct faculty. This is the gateway to enhancing your professional development while supporting the organization for two-year math faculty in the state of Missouri.

On behalf of MOMATYC, I'd like to thank you in advance for your interest and participation.



Main Street in historic St. Charles

**PLEASE RETURN BY
January 21, 2009**

APPLICATION TO PRESENT

Section A: Please print or type this information.

Name: _____ College Name: _____

Home Address: _____ College Address: _____

City/State/Zip: _____ City/State/Zip: _____

Home phone: () _____ College Phone: () _____

Fax: () _____ E-mail: _____

Preferred Mailing Address: _____ College _____ Home

Section B: List all persons, including yourself, who are to be listed as presenters in the order that they should appear in conference publications. Include a separate form with Section A completed for EACH presenter.

Name 1 _____ Name 2 _____

TITLE OF PRESENTATION: _____

(Please Print — Descriptive and Brief/max 100 characters)

PLEASE INCLUDE:

1. 50 words or less summary for program booklet (*Use 3^d person narrative and include information about the intended audience.*)
2. Description of proposed presentation (*2 pages maximum; other material will not be considered.*)
3. Brief description of presentation style: MOMATYC encourages presentations that model alternative instructional strategies (*e.g. group learning, discovery methods, active learning*), interactive uses of technology, or other methods that actively involve the audience.
4. Brief vitae of each presenter (*one paragraph each, on separate sheets*)

Technology available: E-Beam (like Smartboard) with standard projection systems in each room. There is one computer lab also available.

REMEMBER TO MAKE COPIES FOR YOUR RECORDS

Section C: Assignment Preferences:

Format: () Check desired choice **Day:** Circle day choices that you could **NOT** accept.

Format: ___ 1-hr Session ___ 2-hr Workshop ___ 4-hr Mini-course Day: Friday, April 3 Saturday, April 4

MAIL: Lola Swint, Math Department, North Central Missouri College, 1301 Main St., Trenton, MO 64683

FAX: 660-359-3202 Attention: Lola Swint OR **E-Mail:** lswint@mail.ncmissouri.edu

Submissions will be acknowledged.

INQUIRIES: Lola Swint, Conference Chair, 660-359-3948 ext. 1337, lswint@mail.ncmissouri.edu

2009 MOMATYC Conference Presentation Suggestion Form

Information about a suggested conference presentation/presenter

Name: _____ College Name: _____

College Address: _____

College Phone (____) _____

E-mail: _____

Topic of potential presentation: _____

This person is a potential Keynote speaker. Yes or No

If you don't have a person to suggest, **please suggest a topic:**

Please include contact information about yourself in case we have additional questions concerning your suggestion:

Name _____ School _____

E-mail _____ Phone _____

**MAIL: Lola Swint, Math Department
North Central Missouri College
1301 Main St., Trenton, MO 64683**

FAX: 660-359-3202 Attention: Lola Swint

E-MAIL: lswint@mail.ncmissouri.edu

INQUIRIES: Lola Swint, 660-359-3948 ext. 1337



MOMATYC Membership Form

Name _____ Title _____

Institution _____ Dept. _____

Please indicate preferred mailing address by checking ONE of the boxes below.



Institution Address

Street _____

City/State/Zip _____

Home Address (optional)

Street _____

City/State/Zip _____

Work Phone () _____ ext. _____ Home (optional) () _____

E-mail address _____ fax () _____

ARE YOU REGISTERING FOR THE FIRST TIME? YES NO

HOW DID YOU HEAR ABOUT MOMATYC?

AMATYC Internet Colleague (Who? _____) Other _____

Full time faculty dues are \$10.00 for one (1) year or \$25.00 for three (3) years.

Adjunct faculty dues are \$5.00 for one (1) year.

Note: The dues year is September 1 through August 31

Please mail this form with a check payable to MOMATYC to the following:

Nathan Wilson

Treasurer, MOMATYC

St. Louis Community College, Meramec

Dept. of Mathematics

11333 Big Bend Blvd

Kirkwood, MO 63122-5799

E-mail: ngwilson@stlcc.edu

Phone: (314) 984-7774

For administrative use only

Date received _____ Amt. received \$ _____ New expiration date _____