

THE MICHMATYC TIMES

THE MICHIGAN MATHEMATICAL ASSOCIATION OF TWO-YEAR COLLEGES

FALL 2007

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Message from the President

Lisa Winch

Kalamazoo Valley Community College



Welcome to the 2007-2008 school year! As your new President of MichMATYC, I would like to introduce myself. My name is Lisa Winch and I have been teaching at Kalamazoo Valley Community College for 15 years.

My colleagues at KVCC hosted last year's conference and I would like to formally thank all of them for their outstanding work in organizing a wonderful conference. I hope you enjoyed your experience at the conference and our beautiful campus facilities.

For my first "official act" as President, I would like to thank Jan Roy, Sam Bazzi and Phoebe Lutz for their diligent pursuit of non-profit status for MichMATYC. Because of their hard work, your charitable donations to MichMATYC (e.g., to the Student Scholarship Fund) are considered tax-deductible. Please keep this in mind as you plan for your tax time review.

Our 2007 MichMATYC Fall Conference, Mathematics: The Key to Success, will be held at Mott Community College in Flint, Michigan on September 28 & 29. Information can be found on our MichMATYC website at <http://www.michmatyc.org/2007conference>

Currently available on the web site are a registration form, directions to MCC, accommodations near MCC and information about Friday evenings' tour of the Applewood Estates followed by dinner at the Applewood Cafe. I hope you can all join Karen Sharp and Bernie Cunningham at Mott for a day of mathematics and fellowship.

A pre-conference session on College Algebra reform is scheduled for Delta College on Friday, Sept. 28 from 9:00am to 3:00pm. You can find more information about this FREE workshop at the above mentioned website. This year's AMATYC conference in Minneapolis runs from November 1 - 4. I look forward to seeing you at our conferences in Flint and Minneapolis. Please say hello when you see me, and if you have suggestions or ideas for our national or state affiliates to implement, please pass them along to me in person, by e-mail (Lwinch@kvcc.edu) or by telephone (269.488.4761). I hope you all have a great year full of the beauty and power of mathematics.



Campus Notes

Alpena Community College

Dan Rothe

Alpena Community College Fall Report: Our enrollment at ACC is up with about a 20% increase in credit hours over last fall at this time. Many classes are full and new sections had to be added. Meghan Cameron was increased from 60% to full time effective in the fall semester.

Long time chemistry instructor Bob Dominic retired over summer. Scott Ratz was hired to take his place for fall. Part of Scott's assignment is teaching a dual enrollment Calculus class at Alcona High School in Lincoln. A dual enrollment Precalculus class is also being taught at Rogers City High School for the first time this fall. Kristin Berles has come back to teach a section of Business Math this fall.

ACC's Sigma Zeta Math/Science Honor Society is preparing for another semester of activities. Officers for 2007-2008 are: President Jill Sanderson, Vice-President Amy Parker, Secretary Kristy Bartlett, and Treasurer undetermined at the time of writing. We look forward to taking some educational field trips and other learning and service opportunities.

Delta College

Jim Roznowski

Delta College's Mathematics & Computer Science Division welcomes Tom Wells to the Division.

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Tom returned to the midwest from Montana State University in Bozeman.

As part of the Division's annual Delta College Middle School Mathematics Competition, participants completed the "World's Largest Puzzle" in 3 hours and 3 minutes. The 18,240 piece puzzle was first assembled by division members and their friends and families over several months. The puzzle was systemically broken down and then reassembled during the competition. The goal of the activity was to give students an example of how a large task can be accomplished quickly if it is organized effectively as many smaller tasks are done simultaneously. Each volunteer assembled a 2x2 square of four pieces, which were then combined into 4x4 squares, and so on.

Henry Ford Community College

Jeff Morford

The Math Division at HFCC welcomes Jennifer LaRose for a one-year appointment.

The Math Division is now using My Math Lab in all sections of Intermediate Algebra and College Algebra. We are also using WebAssign in the first course in our calculus sequence. We are interested in sharing our experiences with other Colleges that have adopted these software systems. Please contact Scott Barnett at se Barnett@hfcc

Montcalm Community College

Jan Roy

Brianne Lodholtz has accepted a temporary one-year position as Mathematics Instructor at Montcalm Community College. She replaces Dan Long who has taken a leave of absence for this school year.

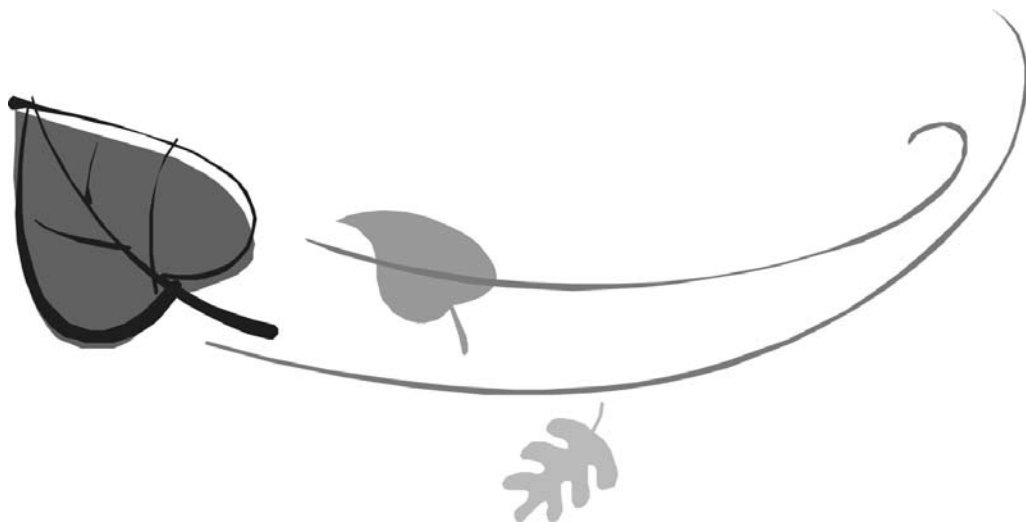
Donald Adkison has accepted a new full-time position at Montcalm Community College as a Physical Science/Mathematics Instructor.





Important Dates and Deadlines

September 28 & 29, 2007	MichMATYC Fall Conference, Mott Community College, http://www.michmatyc.org/2007conference Conference Pre-Session, The Right Stuff, at Delta College
September 30, 2007	Last day for early registration for the AMATYC Fall Conference, Minneapolis, http://www.amatyc.org Last day to register for the AMATYC Student Mathematics League without a late charge.
November 1, 2007 - February 15, 2008	Proposals to present at AMATYC's 2008 Conference in Washington, D.C. are being accepted at http://www.amatyc.org
November 1 - 4, 2007	AMATYC Annual Meeting, Minneapolis, MN, http://www.amatyc.org
November 2, 2007	Deadline to nominate a colleague for the AMATYC Mathematics Excellence Award http://www.amatyc.org .
November 5, 2007	Deadline for applications for the MAC ³ Winter Institute to be held in Miami Beach, Florida, January 18 - 21, http://www.mac3.amatyc.org/2008_winter/2008_institute.html



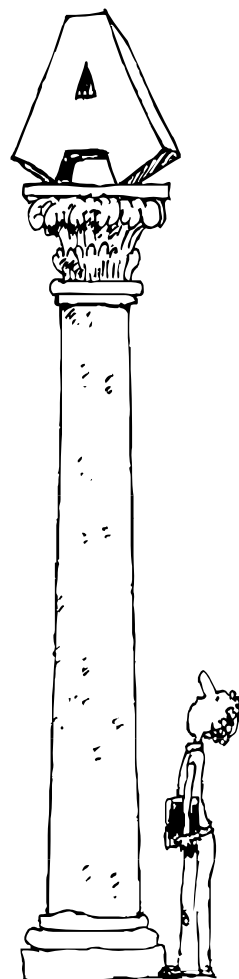
AMATYC's Student Mathematics League in Michigan - 2006-2007 Results

Results by College

Place in Michigan	Place in Midwest	Place Nationally	School	Score
1	3	22	Oakland Community College	159.5
2	8	60	Grand Rapids Community College	120.0
3	16	107	Delta College	84.5
4	18	118	Mott Community College	79.5
5	19	125	Kirtland Community College	65.0
6	20	128	Monroe County Community College	62.5
7	22	142	Macomb Community College	50.0
8	23	146	Kalamazoo Valley Community College	46.0
9	26	165	Lansing Community College	6.5

Student Results

Name	School	Place in Michigan	Place in the Midwest	Score
Sudarshan Sivaramakrishna	Oakland Community College	1	2	42.0
Scott Vance	Oakland Community College	2	9	35.0
Paige Pretzer	Delta College	3	12	30.5



Interested in having your school participate in the AMATYC Student Mathematics League in 2007 - 2008?

Visit www.amatyc.org for more information, the last day to register without a late charge is September 30, 2007.

Campus Reps

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MichMATYC listserv

To keep up-to-date with what is going on in MichMATYC between issues of the newsletter, sign on to the MichMATYC listserv.

The listserv is an online discussion board. It is open to all MichMATYC members. The listserv is very easy to join, just send a message to:

LISTSERV@LISTSERV.DELTA.EDU. Leave everything else in the heading blank. In the body of the message type: SUB MICHMATYC-L firstname lastname, for example SUB MICHMATYC-L John Smith.

You may also contact Jim Ham at jaham@delta.edu and he will add you to the group.



Ready to dig

MichMATYC 2007

Mathematics: The Key to Success

Mott Community College

September 28 & 29, 2007

website: <http://www.michmatyc.org/2007conference>

League For Innovation in the Community College

Conference on Information Technology

Nashville, Tennessee

November 11 - 14, 2007

Innovations 2008

Denver, Colorado

March 2 - 5, 2008

website: <http://www.league.org>

NADE

National Association for Developmental Education

- 32nd Annual Conference

Developmental Education: The New Revolution

Boston, Massachusetts

February 27 - March 1, 2008

website: <http://www.nade2008.net/index.php>



National Council of

2008 Annual Meeting

Becoming Certain

Salt Lake City

April 15-17

website: <http://www.ncaee.org>

g yourself out?



AMATYC - 33rd Annual Conference

Building a Better Tomorrow

Minneapolis, Minnesota

November 1 - 4, 2007

website: <http://www.amatyc.org>

MAA - AMS

Joint Mathematics Meeting

San Diego, California

January 6 - 9, 2008

website: http://www.ams.org/amsmtgs/2109_intro.html

ICTCM

20th Annual International Conference on Technology in Collegiate Mathematics

San Antonio, Texas

March 6 - 9, 2008

Deadline for Paper Submissions

September 21, 2007

website: <http://www.ictcm.org>

NCTM

Teachers of Mathematics

Meeting and Exposition

Gain About Uncertainty

Utah

September 9 - 12, 2008

website: <http://www.nctm.org>

Times Are Changing

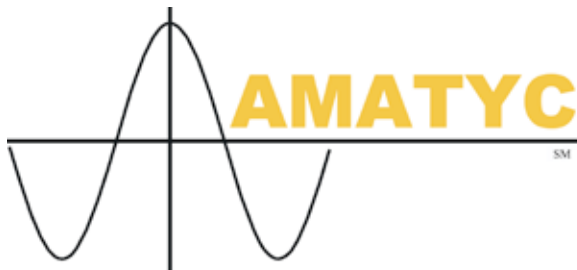
Jim Roznowski

AMATYC Midwest Vice President

It's the last act. The curtain is coming down. The torch is being passed. Pick your favorite cliché, but they all mean my term as Midwest VP is drawing to a close. It has been an interesting and invigorating four years. The best part has been meeting and working with so many of my colleagues throughout the region. As my term ends at the close of the Minneapolis conference, I still have a little life left in me. I hope to go out with a bang.

Looking over the Minneapolis conference miniprogram you will find a variety of sessions covering all levels of mathematics. If you haven't received your copy, the information is available at the AMATYC website, amatyc.org. One of the highlights of the conference will be the symposium on Mathematics Across the Curriculum and Quantitative Literacy. I have worked with the Mathematics Across the Community College Curriculum (MAC³) NSF grant for the last few years and have seen some of the fascinating connections between math and other disciplines. If you want to see new ways to make our subject relevant to our students, this is the session for you. Remember the early registration deadline is September 30, 2007.

The main item before the AMATYC Delegate Assembly this year will be a position paper on "The Use



of Technology in Mathematics Education." A draft copy of the proposed statement is on page 9 of this newsletter. There will be a Thursday evening forum for you to provide input. You can also offer input through your delegates. Representing you at the Delegate Assembly in Minneapolis are Michigan state delegates Gladys Rockind from Oakland Community College and Wendy Conway; and MichMATYC delegates Lisa Winch from Kalamazoo Valley Community College and Phoebe Lutz from Delta College. The Friday morning regional breakfast is a good opportunity to meet your delegates and share with them your ideas and concerns about AMATYC.

Looking beyond Minneapolis plans are moving ahead for the 2008 AMATYC Conference to be held in Washington, D.C. at the Washington Hilton Hotel. The hotel is a quarter mile from the Dupont Circle metro station which provides easy access to many Washington

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2007 AMATYC Annual Conference Minneapolis. Minnesota

November 1-4, 2007

"Building a Better Tomorrow"

Conference information available at <http://www.amatyc.org>.



Position Statement of the AMERICAN MATHEMATICAL ASSOCIATION OF TWO-YEAR COLLEGES

The Use of Technology in Mathematics Education

Any tool or technique implemented to achieve a specified outcome may be termed a technology. The word “technology” in this document will refer to a physical tool used as an aid in teaching and learning. Improvements in technology can lead to changes in what is taught in mathematics and how it is taught. Educators need to keep abreast of technological changes and to use technologies that enhance teaching, learning, and assessment of teaching and learning.

Technology has the potential to enhance the mathematical behavior of students in all types of learning environments and society. Examples of such desirable mathematical behaviors include:

- Interpret problems using appropriate mathematical representations.
- Devise strategies to solve problems and to follow logical processes toward solutions.
- Communicate solution strategies effectively.
- Carry out strategies in an accurate and complete manner.
- Understand the deeper structure of problems and see how the processes used to solve problems relate to other contexts.
- Effectively analyze the appropriateness of solutions.

It is recognized that technology can be successfully utilized to assess the mathematical behavior of students.

Rationale:

Technologies are constantly evolving. Faculty need to examine how technology can help enhance the learning process instead of focusing on a particular type of technology. Almost any technology currently available in the mathematics classroom can arguably be said to enhance the mathematical behavior of students. Often such arguments are made based on human judgments and not objective data. Scholarship on the effects of technology should drive the use of technology in the teaching and learning of mathematics.

AMATYC makes the following recommendations to help faculty evaluate and adopt technologies that enhance and assess the mathematical behavior of students.

Recommendations:

1. Faculty should implement the results of academic research on the use of technology to enhance the mathematical behavior of students.
2. Faculty should anticipate and evaluate the effects of the use of technology on mathematical behavior.
3. Faculty should document how the use of technology affects the mathematical behavior of students and communicate these results to other faculty.
4. Faculty and institutions should consider the constraints a technology imposes on the student and faculty before adopting it. These constraints may be ethical, economical, pedagogical, mental, or physical.
5. Faculty should regularly review the feedback from stakeholders and revise the use of technology as appropriate.
6. Institutions should provide professional development opportunities on the use of technology to enhance teaching and learning, to support faculty in evaluating the effects of technology on students' mathematical behavior, and to promote changes in technology use based on objective data.

Times Are Changing

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attractions. Proposals to present in Washington will be accepted November 1, 2007 through February 1, 2008. Please consider submitting a proposal to share the exciting things we are doing in the Midwest with your colleagues from around the country.

If you are interested, there are many ways to get more involved in AMATYC. (Visit www.amatyc.org for more information on any of the following.)

- If you are new to the profession or have a new colleague, watch for information on AMATYC Project ACCESS (Advancing Community College Careers: Education, Scholarship, and Service). The cohort that begins in Minneapolis is the first group under this AMATYC supported program.
- AMATYC's National Science Foundation grant, Mathematics Across the Community College Curriculum (MAC³) will be offering one more institute in 2008. The last institute supported by the grant will be in Florida in January. The project supports curriculum development by faculty teams consisting of a mathematics faculty member and faculty from other disciplines. The deadline for applications for the January institute is November 5. AMATYC hopes to be sponsoring future summer institutes on math across the curriculum with additional information available at the conference.
- Consider nominating yourself or a colleague for AMATYC's Mathematics Excellence Award. The deadline for nominations is December 8, 2006.
- The new academic committee structure will be in place at the close of the Minneapolis conference. I hope that the new or redesigned committees will encourage your involvement in this important component of AMATYC. Information about the committees, their chairs, and your regional representatives will be available on the AMATYC web site after the conference.

Hope to see you all in Minneapolis or as I visit your affiliate. If there is anything I can do to help you, please let me know at jaroznow@delta.edu.

MAC³, Mathematics Across the Community College Curriculum: A Curriculum Planning Institute

You are invited to attend the second "Mathematics Across the Community College Curriculum" (MAC³) winter institute sponsored by the American Mathematical Association of Two-Year Colleges, January 18-21, 2008 at the Miami Beach Resort and Spa in Miami, Florida. Funding for the institute is provided by a grant from the National Science Foundation (DUE Award No. 0442349.)

Participants are strongly encouraged to attend in interdisciplinary teams and to have a proposed or existing project to work on at the institute. Participants may choose to create and work on any part of the curriculum, from one-day modules to entirely new courses that combine mathematics/quantitative reasoning and other disciplines.

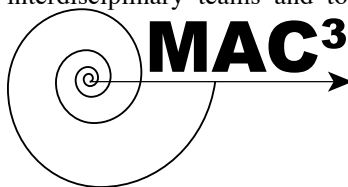
Institute participants will have access to the following resources:

- Computer & Web Access.
- Experienced Faculty and MAC³ Coordinators.
- Concrete Examples of Successful MAC³ Projects.
- Assistance in creating web-publishable materials.

Although a lab of 20 laptop computers will be set up, participants are encouraged to bring their own laptops. Internet access is available throughout the hotel.

Registration for the institute is \$100 and includes food and lodging (triple occupancy) for 4 days and 3 nights. Participants will receive a \$60/day stipend to develop curriculum during the four-day institute. Registration is due by November 5, 2007 (enrollment is limited to 40 participants).

Don't miss this opportunity to work with your colleagues to create curriculum that will extend mathematics beyond the math classroom. For more information and details on the application process, follow the MAC³ links at www.amatyc.org.





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