



Dear OhioMATYC Member,

MESSAGE FROM THE PRESIDENT SANDY FRANZ, UNIVERSITY OF CINCINNATI

I want to thank everyone for their efforts in making this past year a success.

Our spring meeting will be at Sinclair Community College from April 12 – 13. A themed pre-session workshop is tentatively planned for Friday with the main session on Saturday. I hope to see many old friends and look forward to making new ones. Please consider being a presenter. The speaker proposal form can be found on the back page of the newsletter.

I would like to encourage you to nominate a colleague for our service award, which will be given at the spring meeting. Many excellent teachers who give tirelessly of themselves fill the ranks of our membership. Congratulations to Ed Gallo of Sinclair Community College as the 2012 recipient of OhioMATYC Teaching Excellence Award.

Matt Robinson from Stark State was the recipient of the AMATYC scholarship for a first time attendee to the national conference in Jacksonville, FL this past year.

Our 2012 Spring Conference at Maumee Bay Resort and Conference Center was a huge success. I would like to thank T.J. Duda for all of his efforts in organizing the event. A huge thank you also goes to Pearson for sponsoring the Friday evening reception at the conference and to Cengage Learning for hosting the snack break on Friday.

Finally, I would like to recognize a few OhioMATYC members for their involvement at the national level as Project ACCCESS fellows. The Project ACCCESS fellows who are also OhioMATYC members are Derek Hiley (Cuyahoga), Jessica Lickeri (Columbus State), Kathryn Cerrone (Akron), Aaron J. Altose (Cuyahoga), Heather Bubnick (Lorain), Kris Ramsey (Columbus State) and Donna J. McNatt (Cuyahoga).

~Sandy Franz, OhioMATYC President

MATHEMATICAL CARNIVAL & ICME 2012 BY NANCY J. SATTLER

Last July, I was fortunate to receive a National Science Foundation Grant to attend the 12th International Congress on Mathematical Education (ICME) from July 8 through July 15 in Seoul, South Korea. The first ICME was held in Lyon, France in 1969. ICME's have since evolved into quadrennial congresses, in years divisible by four. The Congress serves two major functions: to provide a scholarly opportunity for discussion, debate, and presentation of new research and theory in all aspects of mathematics education; and to provide a meeting place for the international community of mathematics educators, mathematicians, teachers, policy makers, researchers and others.



Over 5,000 mathematics educators from around the world gathered at the COEX Convention and Exhibition Center in Seoul. Like an AMATYC conference, there was an opening session, plenary sessions, discussion groups, and poster sessions. Each International Congress on Mathematical Education results in a book of proceedings, and sometimes other publications as well. If you are an AMATYC member you will be reading more about ICME in future AMATYC publications.

Each American attendee (there were about 80 of us) was asked to choose an area of focus. I chose technology for my area. I attended various presentations about technology and was able to attend the Mathematical Carnival that included sections on mathematical manipulatives and art, student workshops, the Mathematical Plaza (where speakers gave workshops on such concepts as Japanese problem solving, how to conduct a lesson study, how to develop mathematical thinking, and the art of paper folding), and non-commercial and commercial booths. Throughout the days at the conference, students from Korea came to visit the Mathematical Carnival. Although Korean children do not have a long summer break like American students, it was not unusual to see over 100 school children at the carnival at one time.

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MATHEMATICAL CARNIVAL & ICME 2012 BY NANCY J. SATTLER

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When the students visited the Mathematical Carnival they were quick to try their hand at using paper to create geometric forms. Any tool that aids in the solution to solving a problem can be loosely considered technology. As my focus was on technology for ICME, I found the art of paper folding is a good way to introduce students to mathematical concepts.

Paper folding held the interest of many of the Korean students from the lower grades though the upper grades. It would be a great way to have your students become more familiar with geometry, and you can download a free app for your iPhone, iPod touch or iPad that will give you directions on how to make various shapes. Directions on how to obtain the app, and some example projects are available on the OhioMATYC website (www.OhioMATYC.org).

ICME-13 will take place at the University of Hamburg from July 24 - 31, 2016. Participants are invited from all over the world to come to Hamburg and make ICME-13 a rich experience for all. If you are interested in taking part in this unforgettable conference, visit www.icme13.org.

OHIO MAA'S PROJECT NEXT

If you have any faculty members in your department who are within their first five years of full-time college teaching, please encourage them to participate in Ohio MAA's NExT (New Experiences in Teaching)! The goal is to help Ohio Section faculty members develop in all aspects of their academic careers: improving the teaching and learning of mathematics, engaging in research and scholarship, and participating in professional activities. It also provides the participants with a local network of peers and mentors as they assume these responsibilities.

Ohio Project NExT Fellows meet twice a year, preceding the Fall and Spring Meetings of the Ohio Section of the MAA. The time commitment is minimal but the benefits are many—the greatest being the opportunity to meet and share ideas with colleagues from around the state. Visit <http://sections.maa.org/ohio/NExT> for more information about past workshops.

The Spring 2013 MAA Ohio section meeting is at Denison University. We begin with a banquet on Thursday evening, April 4th, during which participants can get to know each other. The program continues with two workshops and two short talks by Ohio NExT Fellows on Friday morning, preceding the Ohio Section meeting. We currently have a grant that would cover Thursday night's hotel room, meeting registration costs, and travel expenses for members from two-year institutions to attend the workshop.

Please contact us with any questions regarding Ohio NExT and this spring's workshop. Thank you!

Coordinators, Ohio NExT	Katie Cerrone University of Akron (kc24@uakron.edu)	Christopher Swanson Ashland University (cswanson@ashland.edu)	John Prather Ohio University Eastern Campus (prather@ohio.edu)
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CAMPUS CORNER

In this new feature, we highlight one of our OhioMATYC member schools. This year, it is Rhodes State College!

Starting as Lima Technical College and changing to James A. Rhodes State College in 2002, RSC celebrated its 40th anniversary in 2011. Mathematics at RSC was initially taught within individual programs, but in 1994, mathematics instruction moved to the Arts & Science Division, where it now resides. Chaired by Mary Ann Hovis, a recipient of OhioMATYC's Distinguished Service Award (2001) and an AMATYC Teaching Excellence Award (2007), the mathematics department currently has six full-time members and more than a dozen adjunct members. RSC's Math Skills Center, coordinated by Larisa Russell, provides support for mathematics courses.

Rhodes State's faculty boasts a history of commitment to OhioMATYC—currently seven are both OhioMATYC and AMATYC members including two former presidents of OhioMATYC Mary Ann Hovis and Rodney Null, as well as, Judy Giffin who is claimed to be the most active adjunct in Ohio. The College has hosted a number of OhioMATYC events including the spring conference in 1999 and Teachers Teaching with Technology (T³) Regional Conferences in 2005 and 2007. Annually, the department serves as a host site for the regional Ohio Council of Teachers of Mathematics' contest.

In August, 2012, RSC received a National Science Foundation Advanced Technology Education grant for its project, "Mathematics Transitions in STEM Education" (DUE# 1204849). Rodney Null serves as Principal Investigator.

A MESSAGE FROM THE MIDWEST VICE PRESIDENT OF AMATYC JIM HAM, DELTA COLLEGE (UNIVERSITY CENTER, MICHIGAN)

Greetings! I hope you enjoyed a productive and successful fall semester, and I wish you an even better 2013.

It was great to see many of you at the AMATYC conference in Jacksonville, Florida. As usual, the conference offered keynote presentations, a large collection of excellent member presentations, workshops, and posters, and unlimited networking opportunities with colleagues from across the country. The annual AMATYC conference is unparalleled in terms of what it offers those of us in two-year college mathematics education. Nearly every session is related to what we do.

Each year conference presenters submit their presentation documents and handouts to be included in the online conference proceedings. Also included are videos of the conference's keynote speakers. This year Keith Devlin presented, *The Missing Link: A Tale of Literary Forensics*, and Diane Maldonado presented, *Navigating the Waters of Assessment*. This year's conference proceedings are available at <http://www.amatyc.org/Events/conferences/2012Jacksonville/proceedings.html>.

After four years of discussion and compromise, the position statement on *Proctored Testing in Courses Taught at a Distance* was approved. It is now an official AMATYC position that, in online mathematics courses, the final exam be proctored, and at least 50% of the course grade be determined by proctored tests. While some members felt that this position paper did not go far enough, and indeed have more stringent policies for proctored testing in online courses on their own campuses, others countered that the position will help colleagues at colleges who are prohibited from requiring proctored testing. The official position paper can be found at the following link: <http://www.amatyc.org/documents/PositionProctoredTesting.pdf>.

The nine AMATYC committees met in Jacksonville to continue their work. They do most of their work between conferences and are always looking for additional members. If one of the committees is of particular interest to you, visit <http://www.amatyc.org/committees>, and contact the appropriate committee chair listed on the website to join. Currently, the Midwest Region does not have a regional representative on either the Teacher Prep Committee or the Innovative Teaching and Learning Committee. If you are interested in serving in a leadership role in AMATYC in one of these positions, please let me know and I will forward your name to the committee chair.

The 2013 AMATYC Annual Conference will be held October 31 through November 3 in Anaheim, California. The theme, *Math: There's no end to the fun*, reflects the venue and the fun we have connecting with friends while we engage in professional development. The conference hotel is located two blocks from Disneyland. Proposals for the conference are now being accepted through the AMATYC website. I hope that you will consider volunteering to be a presider at the Anaheim conference.

The AMATYC Board has extended the Affiliate Scholarship program. This program is intended to help defray the AMATYC conference expenses of a recipient from each affiliate; the recipient receives a free registration to the Anaheim conference. If you are a new AMATYC member or have never attended an AMATYC conference, please contact Sandy Franz or Tony Ponder for details on how OhioMATYC selects their recipient.

The AMATYC Webinar Series is completing its second year. To date there have been about 20 webinars. Recent webinars that have been captured for viewing include: *Fast Track - A Sure Bet to Improve Placement*, *Interesting Atypical Calculus Problems*, *New Pathways for Developmental Math: A Look into Mathematical Literacy for College Students*, *Issues in Implementing Reform in Developmental and Gateway Mathematics*, *Resources and Strategies for Online Tools*, *OCTA-TETRA Constructions and Polyhedron Models*, and *Intriguing Tidbits from Probability Theory*. If you missed any of these webinars, you can find them at <http://www.amatyc.org/publications/webinars>. There are several additional webinars planned for the coming months. Watch your email for details.

If you are already a member of AMATYC, you are well aware of what AMATYC has to offer. If you are not yet a member, I encourage you to visit the website at <http://www.amatyc.org> and become a member. I thank you for your support of AMATYC in the past and look forward to seeing many of you at the Annual OhioMATYC meeting in the spring.

Jim Ham
AMATYC Midwest Vice President
jaham@delta.edu

PROBLEM CORNER

The following are sample problems from the AMATYC Faculty Mathematics League Competition held each year during the national AMATYC conference. This year, faculty contestants had 50 minutes to complete 18 problems and the top three scorers were recognized at the awards breakfast. Solutions can be found on our website, www.ohiomatyc.org.

1. If the number of girls in a class increased 20% and the number of boys decreased 10%, the numbers of each would be equal. By what fraction would the number of girls have to increase with no change in the boys to reach equality?
2. The equation $a^5 + b^2 + c^2 = 2012$ has a solution in positive integers for which $b - c$ is a power of 3. Find $a + b + c$.
3. If $\log_2 x$ and $\log_2 y$ are distinct positive integers and $\log_2 2 + \log_2 y = 2/3$, find xy .

2013 OHiomATYC SPRING MEETING INFORMATION

Location: Sinclair Community College, Dayton, Ohio

Tentative Schedule Pre-Meeting Panel Discussion on Friday, April 12 from 4–5:30 p.m. followed by a sponsored Happy Hour. Conference sessions begin at 8:50 a.m. on Saturday, April 13, with breakfast and registration beginning at 8:00 a.m.

Registration: \$20 before April 1/\$25 after March 31

2013 OHiomATYC DISTINGUISHED SERVICE AWARD

The OhioMATYC Distinguished Service Award has been established to recognize professors who have contributed to mathematics education and is awarded in the spring of odd years. More details and the nomination form can be found at www.ohiomatyc.org.

Send nominations to:

Michelle Duda
550 E. Spring Street
Columbus, OH 43235

Nominations are due
March 1, 2013

OHiomATYC SPRING CONFERENCE SPEAKER PROPOSAL FORM

Name _____ Mailing Address _____

School/ Institution _____ Phone _____

Email (required) _____ Co-Presenter (s) _____

Title of Proposed Session _____

Description (50 words or less) _____

Proposed Session Length: 20 minute 50 minute 90 minute

Equipment Needs: _____

You can fill out this form online at www.ohiomatyc.org or return a written copy to: **Anthony Ponder, Sinclair Community College,
444 West Third Street, Suite 6112 Dayton, OH 45402: (937) 512-2918, e-mail: Anthony.ponder@sinclair.edu.**

DEADLINE FOR SPEAKER PROPOSALS IS February 28, 2013

SPRING PRE-MEETING PANEL DISCUSSION FRIDAY, APRIL 12 4:00 – 5:30 PM

Implementing the Common Core State Standards

With a target implementation of the 2014-2015 school year just around the corner, have you considered what the Common Core State Standards means to Two-Year Colleges?

Has your college offered any formalized professional development on the CCSS? Have you discussed the CCSS with your feeder high schools? What is your college doing differently as a result of the CCSS?

Would you or your colleagues be willing to help facilitate the discussion and share the work that you're doing to embrace the CCSS?

Please contact Dr. Nancy Sattler at NSattler@terra.edu for information about assisting in the panel discussion.