

**MESSAGE FROM THE PRESIDENT TONY  
PONDER, SINCLAIR COMMUNITY COLLEGE**

Dear OhioMATYC Member,

Our 2013 Spring meeting held at Sinclair CC was a great success; if I do say so myself. The number and quality of the presentations was outstanding. Further, I was particularly impressed by the attendance at the event. More than 80 OhioMATYC members attended last year's spring meeting. Special thanks to our sponsors for hosting the "happy hour." It was clear that everyone who attended the "happy hour" enjoyed the opportunity to relax and catch up with friends and colleagues. Hopefully we will be able to include a similar event at this year's spring meeting.

This year's spring meeting will be held on April 11<sup>th</sup> and 12<sup>th</sup> at Mohican State Park; 20 miles southeast of Mansfield, Ohio. Like last year, a themed pre-session is tentatively planned for Friday afternoon with the main session beginning Saturday morning around 8:30 am; more information is to follow. I hope as many as possible will be able to attend and if you haven't already, please consider being a presenter. The Speaker Proposal form may be found on the back page of the newsletter.

In even numbered years, OhioMATYC recognizes an outstanding two-year college mathematics instructor by awarding him or her with the OhioMATYC Teaching Excellence Award. The recipient of this award will be OhioMATYC's nominee for the subsequent AMATYC Teaching Excellence Award providing they meet AMATYC's eligibility requirements. If you haven't already, please consider nominating one of your colleagues for this award. Information about how to submit a nomination is included on the last page of the newsletter. Finally, please mark your calendars to attend the 40<sup>th</sup> AMATYC Annual Conference. This year's conference will be held in Nashville, Tennessee, November 13-16. With budgets getting seemingly tighter each year, it's not too early to work with your institution to secure funding!

~Anthony Ponder, OhioMATYC President

**CAMPUS CORNER**

Terra State Community College can trace its beginnings back to 1968 when then Vanguard Technical Institute began offering classes in the evenings to students in the Fremont area. In 1973, two years after the college began offering both day and evening classes, the Board of Trustees officially changed the name to Terra Technical College to reflect the college's commitment to providing technical education to the area. One last name change came in the summer of 1994, when Terra State Community College began offering Associate of Arts and Associate of Science degrees in addition to the Associate of Applied Science degrees previously offered.

A vital part of every student's program, the Mathematics Department at Terra has maintained an active role in the campus community, in OhioMATYC, and in AMATYC. All current full-time faculty in the department are members of OhioMATYC and the college boasts a long-time presence at AMATYC conferences! Terra has been home to three of OhioMATYC's past-presidents (Delite Fahl, Nancy Sattler, and Michelle Younker) and can lay claim to the newest AMATYC president, Nancy Sattler.



Spanning more than 103 acres, Terra offers one of the most beautifully landscaped and meticulously maintained campus grounds in Ohio. The newly opened Conference and Hospitality Center and renovations to existing buildings look to complement these surroundings and to allow the college to provide additional services to the campus and community.

## 2013 OHIO MATYC SCHOLARSHIP WINNERS

OhioMATYC scholarships recognize outstanding mathematics students at two-year colleges in Ohio. The OhioMATYC student scholarship recognizes exceptional achievement, while the Rudy Sattler Memorial Scholarship recognizes outstanding developmental mathematics students. Congratulations to this year's scholarship recipients.

### OhioMATYC Student Scholarships

- ◆ Dhruva Dave of Edison Community
- ◆ Shari Freeland of Sinclair Community
- ◆ Mavis Kamadi of Columbus State
- ◆ Bruce Pelphrey of Sinclair Community

### Rudy Sattler Memorial Scholarship

- ◆ Deanna Dorman of Rhodes State
- ◆ Mitchell Johnson of Columbus State
- ◆ Amanda Swain of Zane State

## OHIO MAA'S PROJECT NEX T

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 2014 MAA Ohio section meeting is at The University of Toledo on April 4<sup>th</sup> and 5<sup>th</sup>. We begin with a banquet on Thursday evening, April 3<sup>rd</sup>, 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. Workshop attendees from two-year institutions can apply for financial assistance to attend the workshop.

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

Coordinators,

Katie Cerrone  
University of Akron  
(kc24@uakron.edu)

Christopher Swanson  
Ashland University  
(cswanson@ashland.edu)

John Tynan  
Marietta College  
tynanj@marietta.edu)

## PROBLEM CORNER

The following are sample problems from the AMATYC Faculty Mathematics League Competition held each year during the national AMATYC conference.. Solutions can be found on our website, [www.ohiomatyc.org](http://www.ohiomatyc.org).

1. The number  $356xy$  is a multiple of 9 and has 5 different digits. If  $x < y$ , find  $2x + y$ .  
A. 15      B. 17      C. 18      D. 19      E. 21
2. The solution to the equation  $(\log_6 x^4)(\log_x 6)^2 = 2$  satisfies the inequality  
A.  $0 < x \leq 1$     B.  $1 < x \leq 10$     C.  $10 < x \leq 50$     D.  $50 < x \leq 100$     E.  $x > 100$
3. A student is chosen at random from a math class. The probability the student is a senior, given the student is female, is 64%, and the probability the student is a senior math major, given the student is female, is 36%. Find the probability the student is a math major, given the student is a female senior.  
A.  $7/25$       B.  $7/16$       C.  $12/25$       D.  $11/20$       E.  $9/16$

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

It was great to see many of you at the AMATYC conference in Anaheim, California. The state of Ohio was well represented at the conference with 59 attendees (10<sup>th</sup> highest). This is a great showing given that attendance required a plane trip and significant expenses. AMATYC is very appreciative of the significant contributions and active participation of OhioMATYC members for the organization.

The 2013 conference proceedings are now available at the AMATYC website. Also available are videos of the conference's keynote speakers. Sheila Tobias and Victor Piercey presented the *Last Word on Math Anxiety*, and David Masunaga gave an entertaining presentation on  $\Pi$ . If you missed this year's conference, or if you want to review the slides of a presentation or to download a handout, please visit the 2013 conference proceedings page at <http://www.amatyc.org/?page=2013ConfProceedings>.

Planning for next year's conference is well under way. We will convene in Nashville, Tennessee at the Grand Ole Opry Hotel on November 13-16, 2014. There will be a special celebration to commemorate AMATYC's 40<sup>th</sup> anniversary. The drive from Cincinnati to Nashville is only 4 hours so we hope to have a large contingent from Ohio at next year's conference.

The draft position statement on *The Appropriate Use of Intermediate Algebra as a Prerequisite Course* was recently reviewed and revised by AMATYC's Developmental Mathematics Committee (DMC). This position statement will continue to be reviewed in the coming months and, if acceptable, approved at next year's conference. Please review the statement (link provided below) and send your comments to me or to the DMC chair, Linda Zientek ([lrz002@shsu.edu](mailto:lrz002@shsu.edu)).

Another topic being considered at AMATYC is whether or not to have a *members-only* section on the new AMATYC website. Since the beginning AMATYC has made its online content available to all, members and non-members alike. All AMATYC publications (except the journal), all position statements, the *AMATYC News*, past Student Math League tests, etc. have been available to any website visitor. Some argue that AMATYC intellectual property should only be available to members who pay for the privilege, and others argue that AMATYC can best fulfill its mission of promoting mathematics education in the first two years of college by disseminating its publications as widely and freely as possible. Please let me know your thoughts on this notion of a member-only section of the AMATYC website.

AMATYC's Project ACCCESS is now accepting applications for Cohort 12. Project ACCCESS "is a mentoring and professional development initiative for two-year college mathematics faculty. The project's goal is to provide experiences that will help new faculty become more effective teachers and active members of the broader mathematical community." Please encourage one of your newer colleagues to apply for this worthwhile professional development experience.

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. For more information on recent AMATYC events and activities, download the most recent edition of the *AMATYC News* at <http://www.amatyc.org/?page=AMATYCNews>.

I thank you for your support of AMATYC and look forward to seeing many of you at the annual OhioMATYC meeting in the spring. Have an enjoyable and productive new year.

Jim Ham  
AMATYC Midwest Vice President  
[jaham@delta.edu](mailto:jaham@delta.edu)  
December 14, 2013

Intermediate Algebra Position Statement:

[http://www.amatyc.org/resource/resmgr/guidelines\\_and\\_positions/amatyc\\_position\\_paper\\_on\\_int.pdf](http://www.amatyc.org/resource/resmgr/guidelines_and_positions/amatyc_position_paper_on_int.pdf)

**2014 OHIOMATYC SPRING MEETING  
MOHICAN LODGE AND CONFERENCE CENTER**

**Website:** [www.mohicanstateparklodge.com](http://www.mohicanstateparklodge.com)

**Tentative Schedule:** Registration and lunch begin at 11:00 AM on Friday, April 11, with sessions beginning at noon. The session will conclude at 12:00 on Saturday, April 12.

There will be a bonfire Friday evening from 8 – 10.

**Lodging Info:** Lodge rooms are \$106/night + tax. Make your reservations by calling 1-800-282-7275.

Ask for the OH MATYC block at Mohican. This price available until March 10<sup>th</sup>.

Registration: \$40 before March 31/\$50 after March 31. You may register through [www.ohiomatyc.org](http://www.ohiomatyc.org).

**2014 OHIOMATYC  
TEACHING EXCELLENCE AWARD**

Consider nominating one of your colleagues for the 2014 OhioMATYC Teaching Award, designed to recognize an OhioMATYC member who has made outstanding contributions in the classroom. More details and the nomination form can be found at [www.ohiomatyc.org](http://www.ohiomatyc.org).

Send nominations to:

Michelle Duda

550 E. Spring Street

Columbus, OH 43235

**Nominations are due**

**March 1, 2014**

**OHIOMATYC SPRING CONFERENCE  
SPEAKER PROPOSAL FORM  
MOHICAN LODGE AND CONFERENCE CENTER  
APRIL 11–12 2014**

Name \_\_\_\_\_ Mailing Address \_\_\_\_\_

School/Institution \_\_\_\_\_ Phone \_\_\_\_\_

Email (required) \_\_\_\_\_ Co-Presenter (s) \_\_\_\_\_

Title of Proposed Session \_\_\_\_\_

Description (50 words or less) \_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

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\_\_\_\_\_

Proposed Session Length:    20 minute    50 minute    90 minute

Equipment Needs: \_\_\_\_\_

You can fill out this form online at [www.ohiomatyc.org](http://www.ohiomatyc.org) or return a written copy to: **Sandy Franz, 3445 Drake St., Newtown, OH 45244**

: (513) 556-4286, e-mail: [sandy.franz@uc.edu](mailto:sandy.franz@uc.edu) .

**DEADLINE FOR SPEAKER PROPOSALS IS February 28, 2014**