



MichMATYC
Sum - Times
May 2018

Edited by Indah [kooswinarsinindyahd@macomb.edu]

MichMATYC Leadership

President: Anna Cox, Kellogg CC
Secretary/Treasurer: Sam Bazzi, Henry Ford College
Affiliate Delegate: Lisa Winch, Kalamazoo Valley CC
Affiliate Delegate: Michael Pemberton, Lansing CC
Website Editor: Mark Pelfrey
Sum-Times Editor: Indah

SAVE THE DATES

MichMATYC 2018 Conference
October 12-13, 2018
Kalamazoo Valley Community College

44th AMATYC Annual Conference
Orlando, Florida
November 15-18, 2018

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Greetings from The President

I would first like to express my appreciation and admiration for all of our colleagues who are retiring. You are an inspiration and will be greatly missed in the classroom. We hope that you will continue to come and participate at our meetings and share your amazing wealth of knowledge.

Indah Kooswinarsinindyah continues to do an outstanding job on our newsletter and we are fortunate to have her in this position. Thank you very much!

Mark Pelfrey is currently doing an excellent job on the newsletter; however, his life is getting busier and he has requested we find a new webmaster. Please consider contributing to MichMATYC in this role.

We are also in need of a chairperson for the Karen Sharp Student Scholarship Committee. David Tannor has done an excellent job and has served for several years. Current committee members include Adam Cloutier from Henry Ford and Brianne Lodholz from Montcalm.

I would like to thank Sasha Rivet from Delta College for volunteering for a second year to represent the two-year colleges with the MAA. We

should start thinking of the next person who might enjoy filling this position and I am certain that Sasha would be more than happy to mentor you.

Tim Kane and his group are seeking nominations for the next election. Due to some personal issues, I do not plan to run again as president at this time. However, Sam Bazzi is seeking re-election for secretary/treasurer. These are very important roles and will help keep our organization vital for the future, please consider running or nominating an outstanding colleague to run.

Laura Wicklund and Frances Lichtman are on the Outstanding Educator Committee. Please consider nominating a worthy colleague! It is such an honor to be recognized as an outstanding educator!

Your executive board continues to attend conferences and interact with various people in the field to promote MichMATYC. Sam Bazzi recently attended ICTCM. Lisa Winch and myself along with Sasha and several others attended the Tri-State MAA conference. Mike Pemberton is mentoring the MI-TEAM members.

I would like to congratulate Ajay Arora from Schoolcraft College for placing #1 in the United States on the Student Math League!



Some things to look forward to at the fall conference we will discuss AMATYC IMPACT <http://www.amatyc.org/mpage/IMPACT> along with brainstorming ideas to have the Midwest chapter have a 100% participation in the AMATYC Foundation campaign. Turi Suski, president of WisMATYC has sent several e-mails to the AMATYC Midwest Presidents.

Another position needing filled is an AMATYC Affiliate to be an evaluator for the Student Research League. Karen Gaines stated, "We have had an overwhelming response from excited students and Faculty Mentors who have registered teams. We want to make sure that each AMATYC Region is able to evaluate their own entries and that is why we are asking for one volunteer per Affiliate." Please consider contributing to this worthwhile activity.

MICHMATYC SUM-TIMES

It is not too soon to start planning for the 44th Annual AMATYC Conference to be held in Orlando, Florida on November 15-18, 2018.

Please encourage your colleagues to join MichMATYC. The membership application is available on our website. I also encourage you to become more involved in our organization by volunteering for committees or presenting

at conferences. In addition to the President, the MichMATYC Executive Board currently includes: Cindie Wade (Past President), Sam Bazzi (Treasurer/Secretary), Lisa Winch (AMATYC Affiliate Delegate), and Michael Pemberton (AMATYC Affiliate Delegate).

In closing, I want to wish everyone a wonderful summer and to encourage you to reach out to any of your executive

board members. I appreciate the opportunity to serve as your president. I have the highest regard for the MichMATYC organization and its fantastic members. We are a great community who care about mathematics education.

Anna Cox
MichMATYC president

MichMATYC MiTEAM

Michael Pemberton - MiTEAM Coordinator

The mentoring and professional development initiative for new full-time or adjunct mathematics faculty at two-year colleges in the state is now accepting applications for MiTEAM Cohort 2 (2018-19). The program's goal is to provide experiences that will help new faculty at two-year colleges become more effective teachers and active members of MichMATYC, as well as the broader mathematical community. MiTEAM also provides knowledge of the culture and mission of the two-year college and its students, familiarity with the scholarship of teaching, and a commitment for continued growth in mathematics.

Participants will attend two consecutive MichMATYC Conferences where they will complete a program developed for new faculty, including regular conference activities. In the intervening year, participants will be required to develop, implement, and evaluate a project at their home institution. In addition to learning and networking opportunities, participants will receive a one-year membership in MichMATYC for each year and a certificate of completion.

If you, or a colleague, will be in the first three years of teaching full- or part-time at a community college during the 2018-19 academic year, please consider applying for Cohort 2 that will meet for the first time at the 2018 MichMATYC Fall Conference. Applications and additional information may be found at <http://bit.ly/MiTeam>.

Furthermore, at this year's conference at Kalamazoo Valley Community College, MiTEAM Cohort 1 (2017-18) will be completing their second year in the program, which includes participation during the inaugural mini-poster session that presents projects they have implemented in their classrooms.

Anyone interested in mentoring the MiTEAM Cohort 2 participants, have questions, or need more information should email Michael Pemberton, MiTEAM Program Coordinator, at pembert@lcc.edu or call (517) 483-1536.



*MiTEAM Cohort 1:
Michael Pemberton (MiTEAM
Coordinator), Maria Johnson,
Erik Brown, Carmen Andert,
Jannora Lauderdale (not
pictured)*

AMATYC Update

Jon Oaks

AMATYC Midwest Regional Vice President

jonnyoaks@gmail.com

It has been a cooler than usual spring this year in Michigan and so I am looking forward to the warm weather in Orlando for the AMATYC Annual Conference, November 15 - 18. Here are some highlights of the upcoming conference:

- If you are planning to attend the conference, you will want to book your rooms soon. The room rate is \$159/night and AMATYC's room block is filling up quickly.
- The 3rd National Developmental Math Summit will be held November 13 - 14 before the conference.
- If you missed the application deadline to submit a proposal to present, consider submitting a proposal for a poster presentation. The deadline is May 1.
- The Chat and Chew Sessions will be back this year, but on Friday morning.
- This year, the Regional Meeting will be a lunch rather than a breakfast. Door prizes and certificates for First Time Conference Attendees will be handed out as in the past few years. You don't want to miss this!
- A change from past years, the Saturday Breakfast will be buffet-style - including waffles in the shape of a famous mouse with ears.

The registration fee for the conference is the same as it was last year. AMATYC has not raised the fee in the last four years. Take advantage of a great conference at a reasonable rate!

If you are presenting at the conference for the first time, consider applying for the Margie Hobbs Award. The deadline to apply is June 1.

The affiliate scholarship continues - contact MichMATYC President Anna Cox with details about how you might be able to qualify for a complimentary discount registration for the conference.

If you enjoy the conference, consider becoming the Assistant Conference Coordinator. The deadline to apply is May 31.

As a reminder, there are many great ways to get involved in AMATYC throughout the year, beyond just attending the AMATYC Annual Conferences. I would encourage you to join the AMATYC Midwest Regional Group on Facebook if you haven't already. On this page, I frequently post updates from around the region, reminders about upcoming webinars and other important dates, and opportunities for informal networking with others. This can be found at:

<https://www.facebook.com/groups/amatycmidwest/>

Thanks for all you do in the wonderful state of **Michigan** and for your continued support of MichMATYC and AMATYC. If there is ever anything that I can do to assist you at all, please don't ever hesitate to reach out to me at jonnyoaks@gmail.com. I hope you have a great upcoming summer!

Jon

MAA UPDATE

Natascha Rivet - Delta College

At least 7 MichMATYC members (great representation) attended the MAA Tri-Section Meeting at Valparaiso University in March 2018.

The 2019 MichMAA Annual Meeting will be held at University of Detroit Mercy, April 5-6, 2019. MichMATYC members are encouraged to present and attend.

MichMATYC Karen Sharp Student Scholarship

David Tannor

Do you have a student who may deserve the MichMATYC Karen Sharp Student Scholarship? If so please encourage your student to apply. The application deadline is approaching, June 1, 2018. Beginning with this year's award, we are moving toward an online application. For more information about the scholarship, please visit <http://www.michmatyc.org/Awards.html>

CAMPUS NEWS

Alpena CC - Dan Rothe

It doesn't seem like spring here at Alpena Community College yet. Wednesday brought 14 inches of snow and our third snow day of the semester which must be a record. The Regional Science Olympiad hosted at ACC in March went well with many from our department running events. Registration for summer and fall has begun.

Sigma Zeta Math/Science Honor Society Inducted 4 new spring member as well as honoring the 15 fall inductees. The speaker for the March 23 Induction Ceremony was Amy (Parker) Adams, now a Pharmacist in West Branch. Amy was our first charter member in 2005 and later served as chapter president. The group ran several science Olympiad events as individuals and as a group. Several also assisted faculty members with other events.

An end of the semester trip to the Fermi Nuclear Power plant and Detroit Zoo is in the planning stages. We have a majority of our members graduating in May so we will have a small group to start the next year. New officers for the 2018-2019 school year are: Jessica Grove, President; Grace Balog, Vice President; Laurie Smith, Secretary; and Loren Getzmeyer, Treasurer.



Delta College - France Lichtman

On Saturday, March 17, Delta College mathematics faculty welcomed 391 students to campus for the 21st annual Middle School Mathematics Competition. Sixth, seventh, and eighth graders demonstrated their problem-solving skills on a one-hour test while their families and teachers enjoyed activities in Delta's gymnasium. After finishing the test, competition participants joined in the activities. Supported by the expertise of our science colleagues, this year's theme was Math in Science. Activities included projectile motion with foam rockets, detecting vibrations with a seismograph, measuring radioactive decay with a Geiger counter, patterns of a 3-D pendulum, and the physics of hula-hooping.

In the curriculum arena, Delta College will replace the current Pre-Algebra/Algebra I sequence with a five-credit course, Mathematical Reasoning, Math 099, in Fall 2018. Math 099 will include an introduction to descriptive statistics and probability as well as algebraic reasoning. The new course will be a prerequisite for two college-level courses, Math 118AW, Mathematical Explorations, a liberal arts mathematics course, and Math 119AW, Intermediate Algebra. Math 099, in combination with a designated reading level, will also serve as a prerequisite for Math 208, Elementary Statistics.

Delta mathematics faculty are considering the use of more open educational resources (OER). During the 2018-19 academic year, several faculty will be piloting the OER homework system, WeBWork, by Edfinity in conjunction with the MAA. The courses that will be involved include Mathematical Explorations, Intermediate Algebra, College Algebra, Trigonometry, Pre-calculus, Statistics, and Discrete Mathematics. Faculty will set up the courses during the summer.

KVCC - Darlene Kohman

Our Winter 2018 term ends with several math department meetings devoted to revising syllabi. Conversation continues as to the implementation of an attendance policy for our developmental mathematics courses. Several members of the department attended conferences this past winter semester. Those conferences included MI-AMTE - Conversations Among Colleagues at EMU. Faculty member Darlene Kohrman participated in the planning and hosting of the preconference workshop of the Statistics Education SIG which was led this year by Catherine Case of the University of Georgia. Another math seminar will be presented by Darlene Kohrman concerning her dissertation work in definition-construction with preservice teachers' and the implications that has on their understanding of mathematical concept definitions for certain quadrilaterals.

In addition, some math faculty members and 11 preservice teachers attended Math in Action at GVSU. Great Lakes Navigators was another conference attended by KVCC math faculty. As we will host MichMATYC in the fall, the conference team is at work planning the details for that weekend.

Kellogg CC - Anna Cox

Kellogg Community College is excited to start using the ALEKS placement test as a pilot in the fall. We truly believe this will help our students to review content and place in the appropriate courses. Graham Smith and Pat Kopf are excited to pilot Pearson Inclusive. Several of our courses will be eligible for the Cengage Unlimited. Emily Patterson will be teaching a Basic Math Boot Camp in the summer for the first time at KCC. We are proud and excited to see our students continue to be successful.

Jackson College - Erik Brown

On April 12 and 13 the math department hosted a workshop on using Inquiry Based Learning (IBL) in Mathematics, presented by Christine Von Renesse and Ecke Volker from Westfield State University and Nina White from University of Michigan. Christine and Ecke arrived early on campus Thursday and helped facilitate an IBL styled class in two of Jackson's Quantitative Reasoning courses. The evening session begin with an IBL demo question followed by a discussion of what participants observed. Friday daylong featured a more in-depth look at how to run IBL classes. The workshop ended with participants running their own IBL discussions. In a follow up department meeting, faculty reflected on how refreshing it was to "do" math simply for the pleasure of it and felt reinvigorated to teach mathematics. The department agreed to pursue IBL components in all math pathways.

In an effort to help students earn a college level math course in one semester, Jackson College will be phasing out all developmental education (DE) math courses. Beginning in Fall 2008, Quantitative Reasoning (QR) will be offered as a 7 credit co-requisite course. The statistic pathway will move to this model in Fall 2019 with the algebra pathway switching in Fall 2020. The QR course will be co-taught by a DE and college level instructor. The college level portion will meet 4 days a week for 50 minutes with both instructors in the room. While the DE portion will meet for 40 minutes directly after with only the DE instructor. This DE portion will focus on helping supporting prerequisite content students need to be successful in the college level course.

The Jackson College Mathematics & Engineering Department celebrated pi-day on March 26 and 27 due to Spring Break falling on March 14. The celebration included five

competitions: a Pi-themed Scavenger hunt, a Pi-ku (haiku poem) writing and recitation, Pi-tunes sing off, hula-hoop competition, and a slam-dunk competition. Winners of the competition receive pi-themed prizes with a grand prize of \$50. Students and faculty participated in the event and fun was had by all. Food and special pi-day t-shirts were sold with proceeds going to the Harriet Myer student scholarship fund.

The 2018 Concatenation Convention, Con Con, was entitled Mars Attacks! and took place on March 24. The Con Con brings together the world of science fiction and fact in a fun. This year's "Mars Attacks" event featured John McCrea, respected illustrator and comic book artist who worked with Marvel and DC Comics, among others. The convention also featured a Skype discussion with Andy Weir, author of "The Martian" and "Artemis," followed by a virtual book signing. Between presentations, convention goers could play space themed board and card games, visit vendor exhibits including a NASA booth, comic books and other sci-fi booths. The event ended with a raffle including a signed copy of Artemis and the Martian.

Lansing CC - Leslie Mohnke

This past academic year there have been numerous areas of focus and this work will continue into 2018-2019. Lansing Community College has joined other institutions as part of the Right Math@Right Time Co-Requisite Cadre through the Michigan Center for Student Success. In addition, the Math Department is actively participating in a college wide initiative with the objective to create a plan with continuous quality improvement to rethink Embedded Academic Support. Achieve 360 will be the first initiative to be implemented. The

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goal is to use multiple measures for placement and provide a variety of resources so that more students will be able to successfully complete a college credit bearing course during their first year.

The **Course Transitions** action team was involved in developing materials for students in developmental mathematics to help prepare students as they transition to precalculus. In addition, the team held pre-semester workshops for students to provide an orientation to the course and review of prerequisite algebra skills needed for success in Precalculus I. The Course Transitions action team plans to further expand the pre-semester and beginning of semester workshops during the Fall 2018 semester with Academic Success Coaches and tutors from the Learning Commons invited to discuss success and study strategies with students.

The newly formed **Open Educational Resources (OER) Team** addresses college affordability for students by lowering the cost associated with textbooks. Three OER course teams of part-time and full-time LCC math instructors successfully applied for the *OER Pilot Award Program*. The program supports high-impact and collaborative projects that encourage the use of OER as alternatives to traditional, published textbooks. The teams are working on reviewing and remixing materials, and in 2019 OER will be adopted in all *Accelerated Pre-Calculus, Calculus with Applications, and Introduction to Probability and Statistics* classes. The anticipated annual savings to the students is about \$92,000.

Macomb CC South Campus - Gary Kaplan

This semester, students from Jon Oaks' Statistics courses created an impressive array of posters on the 'Harlem Renaissance' for the South Campus Library's annual fair. There were 5,428 visitors to the library fair this year. It was great for the math department to be able to be a part of this wonderful event.

On Saturday, April 21, a group of three South Campus students, led by their coach Jon Oaks, competed in the Student Competition on Using Differential Equations in Modeling (SCUDEM) and placed 3rd place in the entire state of Michigan, above teams from Lawrence Technical University. The entire department commends these students on this remarkable accomplishment.

The department is currently wrapping up our participation in the Algebra Instruction at Community Colleges Grant. As part of this grant, 10 instructors' classes were videotaped, and their students were surveyed to improve algebra instruction on a nationwide level. We are appreciative of the opportunity afforded us by the University of Michigan to participate in this important research.

Schoolcraft College - Randy K. Schwartz

We're overjoyed to announce that Schoolcraft College student Ajay Arora has won first place in the entire U.S. in the 2017 - 18 AMATYC Student Math League Contest.

His phenomenal 77.5 out of a possible 80 points is the highest score that has been seen since 2012-13 in this annual competition between well over 150 of the best community college in the nation.

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What makes his feat even more astounding is that Ajay a Novi High School Junior who just turned 17 this month! He is already publishing original mathematical research in professional journals.

It's easy to think of Ajay as a "math brain", but his three years as a dual-enrolled student have played a big role in helping him blossom into a very well-rounded young man interested in

everything from music to medicine to charitable work. "Schoolcraft College has definitely shaped me and made me into a complete person" he told us.

Ajay has also been named to receive the first-place Pythagorean Prize award of \$3000 as the finest mathematics student of the year at Schoolcraft. The award reception was held on Tuesday, April 17, where President Conway Jeffress and other College officers presented the prize.

[Note from editor: Ajay Arora's picture, that is appeared on Greetings from the President, is courtesy of Prof. Randy K, Schwartz from Schoolcraft College.]

A Note on MichMATYC 2018 Conference

Kalamazoo Valley Community College will be hosting the MichMATYC conference October 12 and 13, 2018. There will not be a Friday workshop, but an evening social event is being tentatively planned. The conference will be on Saturday at the Texas Township Campus. The theme of the conference is Every Student Counts: Opportunities for Student Engagement. Proposals for presenters are now being accepted. Anyone interested in being a presenter at the 2018 MichMATYC Conference is asked to fill out and submit this [Google Form](#) by June 30. If you have questions, please contact Kelly Digby at kdigby@kvcc.edu or 269-373-7833.

Just for fun: Can you answer this?

For genius

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