Norman Richert, Editor Michigan Section–MAA *Newsletter* Mathematical Reviews University of Michigan P.O. Box 8604 Ann Arbor, MI 48107-8604

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Michigan Section – MAA

NEWSLETTER

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Curtis Hall at Saginaw Valley State University

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Editor: Norman Richert, Mathematical Reviews, 416 4th Street, Ann Arbor, MI 48103-4816; 734-996-5254; nrichert@ams.org.

Advertising Manager: William Dickinson, Department of Mathematics, GVSU, Allendale, MI 49401; 616-331-3745; dickinsw@gvsu.edu.

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Abbreviations

C = College CC = Community College CMU = Central Michigan U EMU = Eastern Michigan U FSU = Ferris State U GVSU = Grand Valley State U KU = Kettering U LSSU = Lake Superior State U LTU = Lawrence Technological U MSU = Michigan State U MTU = Michigan Technological U NMU = Northern Michigan U OU = Oakland U SHU = Siena Heights U SVSU = Saginaw Valley State U U = University UDM = U of Detroit Mercy UM = U of Michigan WMU = Western Michigan U WSU = Wayne State U

Calendar of Events

January 9–12, 2013	MAA/AMS Annual Meeting, San Diego, CA	
May 3-4, 2013	Michigan Section Meeting, LSSU	
August 1–3, 2013	MAA MathFest, Hartford, CT	
Oct. 31–Nov. 3, 2013	AMATYC Annual Meeting, Anaheim, CA	
January 15-18, 2014	MAA/AMS Annual Meeting, Baltimore, MD	
Spring, 2014	Michgan Section Meeting, UM-Flint	
August 7–9, 2014	MAA MathFest, Portland, OR	
November 20–23, 2014	AMATYC Annual Meeting, Nashville, TN	
January 10-13, 2015	MAA/AMS Annual Meeting, San Antonio, TX	
Spring, 2015	Michigan Section Meeting, Hope C	
August 5-8, 2015	MAA MathFest, Washington, DC	
November 19–22, 2015	AMATYC Annual Meeting, New Orleans, LA	
January 6–9, 2016	MAA/AMS Annual Meeting, Seattle, WA	
November 17–20, 2016	AMATYC Annual Meeting, Denver, CO	
January 4–7, 2017	MAA/AMS Annual Meeting, Atlanta, GA	
November 9–12, 2017	AMATYC Annual Meeting, San Diego, CA	

Organizational Web sites

Michigan Section–MAA MAA NCTM MCTM AMATYC MichMATYC MMPC MiNExT sections.maa.org/michigan www.maa.org www.mictm.org www.mictm.org www.amatyc.org www.michmatyc.org www.svsu.edu/mmpc www.hillsdalesites.org/personal/dmurphy/ MiNExT.html

Chairperson's Report

First, I'd like to thank our many members for their contributions that support the Section and mathematics in Michigan. We are an all-volunteer organization, and the success of the Section is directly determined by our members' input. It has been a pleasure to serve in the Section's leadership and to become better acquainted with so many of my colleagues from around the State of Michigan.

Recently, the Executive Committee has been mindful of activities of MiNExT, our program for new and recent Ph.D.'s in the mathematical sciences. MiNExT is open to all ju-



nior faculty in our Section, regardless of whether they participate in the national Project NExT. MiNExT's goals are like those of national Project NExT, to equip members to become more effective teachers who are able to balance teaching and scholarship. The networking aspects of MiNExT support goals we all share as members of the Section. Please encourage your junior colleagues to actively participate with MiNExT. At this time, the program is in need of new leadership.

Please contact me if you, or someone you know, is interested in helping this very valuable professional development program to continue. Ultimately, the long-term future of our Section is dependent on the contributions of junior faculty.

The Michigan Mathematics Prize Competition is perhaps the most farreaching activity in the Section. **Stephanie Edwards** (Hope C) is starting her second year as Director. Student participation is projected to increase this year, and we congratulate Stephanie on the success of the MMPC under her guidance.

John Fink (Kalamazoo C) has begun his third and final year as Section Governor. In that capacity, he represents the Section to the National MAA. The Section will conduct an election for a new Governor this year. Please look for information and instructions as the process proceeds.

Mark Bollman (Albion C) continues as Secretary/Treasurer. In this capacity, Mark does a wonderful job in monitoring the Section's finances, keeping the bills paid and tax returns filed, staffing the MAA exhibit at the

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annual meeting, and much more.

Sid Graham (CMU) continues as Webmaster for the Section. The transition to the National MAA server is complete. Please see the Web site for information on the many programs and activities of the Section. Visit sections.maa.org/michigan.

Norm Richert (Mathematical Reviews) continues to serve as Editor for this twice-annual *Newsletter*. The *Newsletter* is the first place many of us turn when we need to be reminded of upcoming events, and it keeps us connected through the reporting of Section activities and news from our campuses. Thanks to Norm for this entirely professional publication and to **Jerrold Grossman** (OU) and **Will Dickinson** (GVSU), who support the effort as Associate Editor and Ad Manager, respectively.

Tim Husband (SHU) completed his term on the Executive Committee, serving his final year as Past Chair. **Mike Bolt** (Calvin C) has transitioned from serving as Chair to Past Chair, and now works on matters like nominations for awards and for Section duties. Tim and Mike have done excellent work, and their service is greatly appreciated by all of us.

Frances Lichtman (Delta C) has joined the Executive Committee as Two-Year College Vice Chair.

Steve Blair (EMU) is new to the Executive Committee as Four-Year College Vice Chair. Frances and Steve, along with others of the Program Committee, have begun to prepare for the upcoming Annual Meeting at LSSU.

Tom Boger (LSSU) is chair of the Local Arrangements Committee. Please see Steve's current Four-Year College Vice Chair report in this *Newsletter* for some details of the 2013 meeting and recognition of others involved.

Looking ahead: the Annual Meeting returns to the Lower Peninsula in 2014 at UM-Flint and in 2015 at Hope College.

We enjoyed another successful Annual Meeting this past Spring, for which much credit is due to **Hasan Al-Halees** (SVSU), who chaired the Local Arrangements Committee, and several of our colleagues at SVSU. Thanks to Hasan, to SVSU, and to the many people who attended and contributed.

Finally, the Executive Committee is always eager for new ideas for supporting mathematics in Michigan, for new people we might bring into leadership, and for new or old venues to host upcoming meetings. Please contact any member of the Executive Committee with your suggestions.

Dan Isaksen, Chair

Annual Meeting in May

The Annual Meeting of the Michigan Section of the MAA and MichMATYC will occur Friday and Saturday, May 3 and 4, 2013 at Lake Superior State University. This will be a historic meeting as this is the first time it will be held in the Upper Peninsula. Sault Saint Marie is located 50 miles north of the Mackinac Bridge, making it roughly 285 miles from either Lansing or Grand Rapids and about 330 miles from Ann Arbor. So, it will be a longer drive than in years past but affords all of us an opportunity to visit one of the most beautiful areas of the state.



The Program Committee is de-

lighted to announce a speaker list that includes plenary addresses by Walter Stromquist (Editor of *Mathematics Magazine*, Swarthmore C), Rick Gillman (Valparaiso U), Hyman Bass (UM-Ann Arbor), and Peggy House (NMU).

In addition, we look forward to local-invited talks given by a number of our Michigan colleagues. Further details about the program schedule, including titles and abstracts of these presentations, will appear in the Spring *Newsletter*.

Contributed talks form an essential component of the Annual Meeting. The Program Committee requests that all Section members consider giving a contributed talk, as this venue is an excellent way to share your scholarly work, become better acquainted with your Michigan colleagues, and foster opportunities for collaborative work. Talks may be on any subject related to mathematics: mathematical scholarship, expository mathematics, or issues related to curriculum or pedagogy in the collegiate classroom.

In addition, we invite undergraduate and graduate students to give presentations at the meeting; faculty should encourage their students to consider this opportunity. The Ron Mosier Memorial Award will again be presented to the student(s) with the most outstanding talk. Ron was a mathematician whose contributions spanned both pure and applied areas. He also was a regular attendee at the Annual Meeting, and one of the things he most enjoyed was the student talks. Instructions for submitting abstracts for one of the contributed sessions are included in the "Call for Papers" in 4

this Newsletter on the following page.

The meeting is scheduled to run all day Friday and through mid-day on Saturday. There will be luncheons both days and a banquet Friday evening. As is our custom, the section will present both a teaching award and a service award at the Friday banquet. Both of the luncheons and the banquet will be followed by a plenary talk.

The 2013 Program Committee consists of **Steve Blair** (EMU), **Frances Lichtman** (Delta C), **Collette Coullard** (LSSU), and John Kiltinen (NMU). If you have a question or suggestion regarding the program, please contact one of us. **Tom Boger** (LSSU) is chairing the Local Arrangements Committee, assisted by Colleen Barr, **Collette Coullard**, **Sherry Duesing**, **Kimberly Muller, Brian Snyder**, and **George Voutsadakis**. Contact information for all of us may be found on page 34 in this *Newsletter*. A link to updated conference information will appear at www.emich.edu/math.

Steve Blair, Four-Year College Vice Chair

Webmaster's Report

If you have a special lecture or other special event in your department that you want to advertise, we can post information on our Section Web page. Last year, we advertised "Transcending Differences: Tiling in Islamic and Western Culture" by **Craig Kaplan** at UM-Dearborn in September 2011, and the inaugural Fleming Lectures by **Terence Tao** at Central Michigan University in April 2012.

Sid Graham, CMU

LSSU in May

Call for Papers

The Michigan Section of the MAA and MichMATYC invite papers from students and faculty for the next combined Annual Meeting.

Lake Superior State University Sault Saint Marie, MI May 3–4, 2013

Abstracts should be sent via email to Steve Blair at: sblair6@ emich.edu.

Talks should be 20 minutes in length, including a few minutes for questions. Your abstract must include your name, affiliation, home or office address, phone number, e-mail address, and any equipment needs you have for your presentation. If you have any questions, please contact Steve Blair.

The deadline for abstracts is March 15, 2013. Undergraduate abstracts may be submitted until March 29.

Abstracts received after the deadlines will be considered as space permits.

6 Governor's Report

At the Madison MathFest last August, Michael Pearson gave his first report as Executive Director of the MAA. He was at that time just seven months into his new position. In this report, Michael addressed a central theme for the Board of Governors: how to continue the economic health of the organization. Only about fourteen percent of the MAA revenue comes from membership dues. Another twenty percent comes from journal subscriptions, half of which are from libraries, which are cutting back. And while some other professional organizations see meeting registration fees as a primary source of income, only a



small portion of MAA revenue comes from this source. Book sales continue to be a promising source of revenue for the MAA. Michael reviewed some of the discussion of marketing and acquisition, as well as the many issues around electronic publishing that this entails.

In addition to these economic issues, another of the recurring themes of the Madison meeting concerned the diversity of our profession with respect to gender, ethnicity, and geographic location. At the January meeting in Boston, it had been noted that implicit bias is inevitable, but that with awareness and thoughtful management we can mitigate some of its effects. To that end, a two-page document of guidelines had been prepared for MAA awards selection committees to use. At this meeting, the Board approved this document as offering the guidelines for official policy.

In another diversity-related action, the Board voted to send a message to the Council on Prizes and Awards, requesting that geographical diversity be considered more strongly when choosing award winners.

In its final action along these lines, the Board voted to adopt a system of doubly-masked reviewing for all print journals of the MAA. This motion had been tabled at the Boston meeting in January, after a lengthy and lively discussion that followed a report by President-elect **Francis Su** and **Betty Mayfield**. One of the topics they had investigated was the rate at which women are recognized in their profession: Is this rate commensurate with the portion of women in the field? Using information in the 2008 Annual Survey of Mathematical Sciences, it is estimated that about 28% of

mathematics faculty in the U.S. are women. With only about 12% of the writing awards going to women, it appears that women are significantly underrepresented in this category. The group then asked if women are winning MAA writing prizes at a rate comparable to the numbers of women authors in our journals? They considered the portion of female authors in the *Monthly* (9%), *Math Magazine* (17%), and *CMJ* (11%) and concluded that the lower representation for writing prizes may not have its origins in the prize and award stage but arises much earlier in the process.

At this meeting, in order to give this issue the full discussion that it deserved, the Board took the unusual parliamentary step of declaring itself a "committee of the whole." The outcome of this would be one of three things: (1) Just do it (pass some version of a policy today); (2) proceed with caution (commit to adoption of some double-blind policy in the future); or (3) agree not to adopt new policy in this area in the near future. After about forty-five minutes in this novel state, the committee of the whole chose option (1) over (2), with (3) getting only two or three votes. The Board then returned to its usual way of conducting business and adopted the following resolution:

Governor's Report continued on page 13

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8 Secretary/Treasurer's Report

The Section's current bank balance (as of October 17) is \$1367.95. This is normally the lowest point of the year, because it is before most of the dues contributions come in. The Annual Meeting in May incurred slightly more expenses than expected; we are very grateful to Tony Crachiola of Saginaw Valley State University for his work in securing additional support for the meeting. The Section has some support (\$998 this year) from the Washington office of the MAA, advertising revenue, and occasional grants, but most of the Section's income is from the voluntary dues payments of the members. We



continue to appreciate your support of the Section's activities through your voluntary contributions.

By now, Section members should have received their annual dues mailing. The dues contribution for an individual dues-paying membership remains \$15, or \$30 (or more) for a sustaining membership. Once again this year, we are providing the option of paying individual dues online by credit card through Google Checkout. A link to Google Checkout is provided on the Section's Web site, and further details on this option are included with your dues letter. Institutional membership dues are \$40 or \$70, depending on the size of the institution. Institutional members will receive the end-of-year report from the Michigan Mathematics Prize Competition, and also have access to a database of all MMPC Part II participants to aid in recruiting efforts.

If I can be of any help, drop me a line at mbollman@albion.edu.

Mark Bollman, Secretary/Treasurer

LSSU in May

MAA Campus Liaisons

With so many things happening in the MAA and the Michigan Section, it's important to keep our members informed of news and opportunities. This is the job of the MAA liaisons.

We hope that you are receiving news through a liaison at your institution. If you are, give your liaison a pat on the back for helping keep you informed. If not, please help us make sure that our list of liaisons is current by visiting sections.maa.org/michigan/liaisons.html and sending any corrections to the Section's Liaison Coordinator **David Austin** (austind@gvsu.edu).

If your institution does not have a liaison, please consider volunteering. The work is as easy as clicking "Forward" periodically in your e-mail program. And you'll earn the appreciation of your well-informed colleagues!

David Austin, GVSU

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In Memoriam Toni Carroll June 14, 1942 – July 14, 2012

The Michigan Section lost a valued colleague this summer. **Toni Carroll** was a thorough Michigander: she was born in Saginaw, graduated from high school in Traverse City, earned a bachelor's degree from Aquinas College in Grand Rapids and a master's degree from the University of Detroit. Toni left the state to teach mathematics and computer science at Olive-Harvey College in Chicago, and later at Bloomsburg University in Bloomsburg, PA, returning 26 years ago to join the faculty at Siena Heights University in Adrian.

Toni had an abiding faith in the capacity of students to learn and appreciate mathematics, and the power of mathematics to transform and empower them. She put this faith into practice throughout her career: as a volunteer in local schools, visiting lecturer, mentor, and event/program organizer. Much of her effort focused on empowering women and minorities, from serving as a mentor to McNair students at Siena Heights to securing and directing an MAA Tensor Grant for the Michigan Section for female mathematicians to mentor groups of girls in grades 8–10. She was among the founding members of the Michigan chapter of WAM (Women And Mathematics), an MAA program to encourage middle and high school girls to continue studying math.

Toni was active in the Michigan Section in large and small ways. In addition to the Tensor Grant mentioned above, Toni was the organizing force behind the Section's now traditional Saturday WAM/AWM breakfast at the annual meeting and was one of the organizers of the first Michigan Undergraduate Mathematics Conference. She served as Public Information Officer, as WAM liaison and as Siena Height's MAA Liaison, chaired the Section's Women's Study Group, and was an MMPC grader.

Toni and her husband **Tim Carroll** were a very active and effective team. They collaborated on research, and in writing on the use of technology in teaching mathematics, and in the history of mathematics, co-authoring several articles. They authored and performed a dramatic presentation, *The Math Wars*, casting Toni as Leibniz and Tim as Newton.

In the wider community, she was a member of AAUW and Zonta International, and volunteered extensively in the South Haven community, on the Diversity Coalition and several county boards and organizations.

Toni is survived by her husband Tim (professor of mathematics at EMU), daughter **JJ**, son-in-law **Jeff Lane**, and granddaughters **Jenna** and **Jayda**.

We offer our deepest sympathy to her family. She will be missed by her friends and colleagues throughout Michigan.

Bette Warren, EMU and Ruth Favro, LTU



Toni Carroll (r) is shown with Tim at Grading Day for the MMPC in January at Albion C.

LSSU in May

12 Upper Peninsula Regional Conference

The Upper Peninsula Regional Mathematics Meeting was hosted this year by Northern Michigan University. It was held on Friday and Saturday, October 12 and 13, and featured three plenary speakers and 11 shorter, contributed talks.

The first plenary speaker, **Garry Johns** of Saginaw Valley State University, spoke on Friday on discrete distance rules and showed how incorporating this topic into courses relates to the state standards.

The second and third plenary speakers spoke on Saturday morning. **Paul Zorn** of St. Olaf College, who is the current president of the MAA, spoke on familiar topics he learned additional interesting things about while editing *Mathematics Magazine*.

Dan Isaksen of Wayne State University and current Chair of the Michigan Section of the MAA spoke about several optimizing problems that could be settled without calculus.

In addition, **Colm Mulcahy** of the "Celebration of the Mind" project, which promotes events in honor of **Martin Gardner** on or near his birthday on October 21, led a toast to Gardner from Ireland via Skype, where he had just arrived from Atlanta. (There was a Martin Gardner subthread of contributed talks.)

There were eleven contributed talks. They were give by faculty and students from Northern Michigan University (5), Michigan Technological University (4), and Western Michigan University (2). Two parallel sessions were needed to fit them all in. Following the Saturday talks, conversations continued over lunch. Meeting funding came from the Michigan Section of the MAA, the School of Arts and Sciences at NMU, and the NMU Department of Mathematics and Computer Science.

John Kiltinen, NMU

LSSU in May



Garry Johns (l), Dan Isaksen, and Paul Zorn at the Upper Peninsula Regional Conference in October.

Governor's Report continued from page 7

All print journals of the MAA will move to a system of doubly-masked review, under which editors make a good-faith effort to see that authors' names and affiliations are not explicitly present in manuscripts sent for review. Editors may set their own policies about how authors refer to their own work. Editors shall be given broad discretion to make exceptions. Current editors will not be required to change existing practice. The policy does not apply to online-only journals.

Some of the MAA journals are already operating under a double-blind review system. It will be interesting to observe any effects that this resolution might have on future publications.

Preparations are well under way for the winter meeting in San Diego. One thing that has caught my attention is the large number of activities related to the "Mathematics of Planet Earth." It looks to be a good program. I hope to see many of you there!

14 56th Annual MMPC

The 56th Annual Michigan Mathematics Prize Competition is underway. **Stephanie Edwards** (Hope C) is the Director of the 55th, 56th, and 57th MMPCs. All information related to the MMPC is posted at the MMPC Web site, math.hope.edu/mmpc.

About 155 schools and 8000 students participated in Part I, which took place on Tuesday, October 2, and results are being tabulated. Invitations will be extended to approximately 1000 students to participate in Part II on Wednesday, December 12.

The exam committee of **Sid Graham** (Chair, CMU), **Hugh Montgomery** (UM-AA), **Bob Messer** (Albion C), and **Daniel Frohardt** (WSU) has worked very hard in preparing Part I and Part II. We thank them.

Grading Day is **Saturday, January 5** on the campus of Albion College. Special thanks to **Mark Bollman** for arranging the grading day in a central location (which is less likely to have a lake effect snow white-out in mid-January than Holland).

Directions, problems, solutions, and assignments will be posted on the MMPC Web site. Teams of 10 to 12 people will work on each of the five problems of Part II. This is our tentative schedule:

8:30 am	Welcome and refreshments
9:00 am	Grading
12:30 pm	Lunch
1:30 pm	Back grading

Please discuss this event in your department and come as a group to enjoy this important and fun project of the Michigan Section of the MAA—it promises to be a super fun time and is a great way to get to know your colleagues from around the state. Send the names of those who are able to attend Grading Day to the Director (mmpc@hope.edu).

The Awards presentation and banquet will be held on the Hope campus, and **Matt Boelkins** from Grand Valley State University will be the speaker for the Awards Banquet on **Saturday, March 2**.

Stephanie Edwards, Hope C

LSSU in May



Mike Jones, Mathematical Reviews, receiving the George Pólya Award, which he shared with Leslie Cheteyan, from Paul Zorn at MathFest in Madison.

Nominations Sought for Awards and Offices

Nominations are now being accepted for the awards and offices below. More teaching and service award information can be found at sections.maa. org/michigan/history.html#award.

The 2012 Michigan Section's Distinguished Service Award

Nominations are being solicited for the Michigan Section's Distinguished Service Award. The awardee will be honored at the Annual Meeting of the Michigan Section. The Distinguished Service Award Committee (see page 35) will accept nominations until January 31, 2013. A nomination should include a list of a nominee's service accomplishments in their home department, in the Section, and in the community, as well as a short narrative. Please contact **Mike Bolt** (Calvin C) with your nomination.

Section Officers and Executive Committee

The Nominating Committee (see page 35) welcomes suggestions for future Section leaders until January 31, 2013. This includes self-volunteering. This year there will an election for a Chair, two Vice-Chairs, and a Secretary-Treasurer. Please contact **Dan Isaksen** (WSU) to nominate someone or volunteer.

AWARD FOR

DISTINGUISHED COLLEGE OR UNIVERSITY TEACHING OF MATHEMATICS PRESENTED TO

I RESERTED TO

GAVIN LAROSE

The Michigan Section of the Mathematical Association of America is pleased to present the 2012 Award for Distinguished College or University Teaching of Mathematics to Gavin LaRose of Univeristy of Michigan, Ann Arbor. Gavin is recognized for passionate instruction, for effectively mentoring mathematics instructors, and for developing "sensible and functional" instructional technology.

Gavin LaRose is, by all accounts, passionate about teaching. His students are inspired by his enthusiasm and engaged by his sense of humor. Students report "I found myself loving the subject more and more" and "I have learned a lot from his class, not only knowledge..., but also his passion and enthusiasm in teaching. It is a great encouragement to me...". Gavin employs teaching strategies which inspire students to work hard and to make the most of their educational experiences. When describing Gavin's teaching, one student said "it makes you want to do your best."

Gavin LaRose has helped mentor new instructors both at University of Michigan and as associate director of Project NExT. Through Project NeXT, he mentors teachers of mathematics across the country on utilizing instructional technology and on writing as part of the undergraduate mathematics curriculum. Gavin has been actively involved in the Mathematics Department teaching and mentoring program. He offers pedagogically sound advice on incorporating creative problem solving as part of the in-class lecture. He helps instructors challenge their students appropriately. As in his own classroom teaching, Gavin's professional yet approachable demeanor is an asset in this capacity.

Referred to as an Instructional Technology Guru, Gavin has used his considerable IT skills to have a tremendous and positive impact on students, instructors, advisors, and administrators. He has developed and maintained IT tools which are highly effective. These tools help students learn, instructors teach, and administrators manage information.

Included in these tools are an online mathematics placement test taken by entering university students and an online homework and gateway exam system used by freshman and sophomore level students. The tools Gavin has developed are not only technologically savvy, but also pedagogically sound, giving students the opportunity to learn from mistakes. The Gateway program is widely used around the country, and is part of WeBWorK.

It is with great pleasure and pride that the Michigan Section of the Mathematical Association of America presents the 2012 Distinguished University Teaching of Mathematics Award to Gavin LaRose.

CITATION FOR

NORMAN JOHN RICHERT

FOR THE

MICHIGAN SECTION

MATHEMATICAL ASSOCIATION OF AMERICA

DISTINGUISHED SERVICE AWARD

The Michigan Section of the Mathematical Association of America is pleased to recognize Norman John Richert as the 2012 recipient of its Distinguished Service Award. We gratefully acknowledge the many contributions he has made both to our Section and to the larger mathematical community for many years.

At Mathematical Reviews, Norm has been Administrative Editor, Associate Editor and now, Managing Editor. In this capacity, he has served mathematics researchers and scholars and is a strong advocate for MAA publications in Mathematical Reviews/MathSciNet, most recently with the inclusion of entries for the digitized JSTOR material. In addition, his work with the Director of Publications and Communications of MAA on various editorial aspects of MAA publications has resulted in enhancing their presentation in Mathematical Reviews.

Norm has been the Editor of the Section *Newsletter* since 2002. His continual presence on the Executive Committee has been a stabilizing force for the Michigan Section. Besides his historical perspective, he has been a consummate member attending nearly all MAA functions from the Annual Meetings to the MMPC Awards banquets. He is most frequently seen with a camera in hand as one of Michigan Section's "unofficial" photographers. His contributions and responsiveness to the Section in his official role and as a member is a model for all members to emulate. Other contributions to the mathematics community include his role as a referee for the *American Mathematical Monthly* as well as his long time and current work as referee for the *Fibonacci Quarterly*. Showing the diversity of his talents, he was also cast in the production "MAA: The Musical" at 2011 MathFest featuring an all-star troupe of mathematicians. Although quiet and unassuming, he has been a stable force in our Michigan Section.

For his many years of dedicated service and outstanding leadership, the Michigan Section is proud to present the

2012 DISTINGUISHED SERVICE AWARD

to

DR. NORMAN JOHN RICHERT

Annual Meeting at Saginaw Valley State University, May 4–5, 2012



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Tim Husband presented the Distinguished Service Award to Norm Richert.



Thomas Plante, CMU graduate student, spoke on "The Base-Height Property".



Bing Liu (l) and Nancy Colwell are shown at the registration table.





Darren Narayan, Rochester Inst. of Tech., spoke on "Real World Applications of Math".



Hasan Al-Halees, Chair of the Local Arrangements Committee, relaxed with his daughter, Marwa.



Kathleen Heid, Penn State U, spoke on preparation for teaching high school mathematics.



Doug Ensley recognized Tom Zerger as a 25-year member.



Colin Mulcahy (above and l.), Spelman C, spoke at dinner on "The Mathematics, Magic, and Mystery of Martin Gardner".



Sommer Gentry, U.S. Naval Academy, spoke Friday on "Adventures in Operations Research".



Doug Ensley, Shippensburg U., spoke at lunch on Saturday on "Eeny-Meeny-Miney-Moe".

20 Contest News

The 2012 American Regions Math League (ARML) competition took place on June 2 on the campuses of four universities: Iowa, Penn State, Georgia, and Nevada-Las Vegas. A total of 140 teams each represented various regions of the United States and Canada. Teams from eight countries also participated in the International Regions Mathematics League (IRML).

This year the Michigan All-Stars fielded three full teams of 15 students each, two in the A division and one in the B division.

The Michigan A1 Reals placed 16th nationally out of a field of 78 in the A division. They were fourth at the Iowa site in the A division. Individual round top scorer with 7 was **David Lu**, Detroit Country Day School. Team co-captains were **Hirsh Jain**, International Academy, and **Vikram Prasad**, Troy Athens HS.

The Michigan A2 Naturals placed 52nd nationally out of a field of 78 teams in the A division. In 2011 they were #1 in the country in the B division and required to move up to A. Individual round top scorer with 7 was **Steven Cheng**, Troy HS. Team co-captains were **Rohit Bhadange**, Farmington HS, and **Kevin Wu**, St. Joseph HS.

The Michigan B1 Primes ranked 13 out of 62 teams in the B division. They were fourth at the Iowa site in the B division. Individual round top scorers with 5 were **Nishant Kakar**, Novi HS, **Perry Lee**, Walled Lake Western HS, **Siyan Daniel Li**, Ann Arbor Pioneer HS, and **Priyanka Shanmugasundaram**, Farmington HS. Team co-captains were **Tian Cathy Dong**, DCDS, and **Kevin Lee**, Ann Arbor Huron HS.

The contest consists of four parts: Team problems, 20 minutes for 10 problems; Power problem, one hour for a sequence of related problems requiring proof; Individual problems, 10 problems, 10 minutes for each group of two; and the Relay round, short problems requiring a number to be passed back to the next team member. Groups of three get six minutes to complete each of two Relays. A tiebreaker round is held for ties for the top score in the Individual round. Complete information can be found at www.arml.com.

Team coaches were **Ruth Favro** (LTU), **Ada Dong** (OU), **Dave Friday** (Grand Rapids CC), and guest coaches **Mike Bolt** (Calvin C) and **Michael "Cap" Khoury** (UM-AA). Assistant coaches were former team members **Paul Lewis** and **Nicholas Triantafillou** (both UM-AA) and **Nikita Consul, Krithika Shanmugasundaram**, and **Ram Bhaskar** (all MIT). The Michigan All-Star Project is an activity of the Michigan Section-MAA. We recruit from the top 100+ winners of the Michigan Mathemaics Prize Competition. Thanks to our supporters: the alumni/ae, parents, and coaches of the All-Stars, and a grant from the George S. and Helen G. Deffenbaugh Foundation, with in-kind support from the coaches' institutions.

During the 2011–2012 academic year, 6,751 Michigan students participated in the American Mathematics Competitions (AMC)—4,065 students from 54 schools in AMC 8 and a total of 2,686 students in AMC 10/12, among them 2,096 students from 48 schools in AMC 10/12A and 590 students from 18 schools in AMC 10/12B.

Among the Michigan AMC winners for the 2011–2012 academic year, there are two perfect scorers for AMC 8, a three-way tie for AMC 10B, one top scorer for each of the other three AMC high school competitions (AMC 10A, AMC 12A, and AMC 12B), and eight USAMO qualifiers. The AMC 8 perfect scorers are **Yannis Bi** (an 8th grader from Meads Mill Middle School, Northville) and **Justin Xu** (an 8th grader from Boulan Park Middle School, Troy). The top scorers for the two AMC 10 high school competitions are: **Ankan Bhattacharya** (a 7th grader from ICAE, Troy), **Heesu Hwang** (a 10th grader from AAMOC, Troy), **Dhruv Medarametla** (an 8th grader from ICAE, Troy), and **Aaron Zeng** (a 10th grader from Detroit Country Day School, Beverly Hills). The top scorers for the two AMC 12 senior high school competitions are **Eric Ryu** (a 10th grader from Detroit Country Day School, Beverly Hills), and **Apurva Shrivastava** (a 10th grader from ICAE, Troy).

In 2012, a total of 126 Michigan students qualified for the AIME (American Invitational Mathematics Examination), 82 through AMC 10/12A and 44 through AMC 10/12B. Among them, eight qualified for the USAMO (United States of America Mathematical Olympiad). The USAMO qualifiers are **Hirsh Jain** (a 11th grader from ICAE, Troy), **David Lu** (a 12th grader from Detroit Country Day School, Beverly Hills), **Akhil Nistala** (a 11th grader from ICAE, Troy), **Raj Raina** (a 10th grader from ICAE, Troy), Eric Ryu (a 10th grader from Detroit Country Day School, Beverly Hills), Apurva Shrivastava (a 10th grader from ICAE, Troy), **Peter Su** (a 12th grader from Plymouth Canton Educational Park, Canton), and **Michael Yu** (an 11th grader from Athens High School, Troy). Among the Michigan AMC senior winners, David Lu is attending MIT and Peter Su is attending UM-AA.

The ICAE (Indus Center for Academic Excellence, Troy) team is the top AMC team winner of Region 4 (including Indiana, Michigan, and Ohio) this year. Other schools on the top five in the region are: Detroit Country Day School (Beverly Hills), Novi Senior High School (Novi), and Cranbrook Kingswood School (Bloomfield Hills).

Ruth Favro, LTU and Ada Dong, OU

News from the Campuses

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Adrian College [reported by Elizabeth Lamprecht]

Three new faculty members joined the Adrian College Mathematics Department in the Fall. Dorin Dumitrascu is an Assist. Prof. who earned his Ph.D. in Mathematics from Pennsylvania State U. His primary research area is functional analysis. Gregory Sulisz, an Assist. Prof., received his bachelor's degree at UM-Dearborn and was a recipient of the Chancellor's Medallion for highest academic excellence. He then earned his Ph.D. from MSU, where he was twice awarded the Senior Graduate Teaching Assistant Award. His research interests include algebraic geometry and number theory. JoLynne Hall, a full-time Inst., graduated from EMU with a Master of Science degree in general science. She is a certified teacher with 25 years of teaching experience ranging from middle school through college. Her primary interest area is developmental mathematics. • Matthew Zeckner co-authored a paper, "Simplicial Complexes of Triangular Ferrers Boards", which recently appeared in the Journal of Algebraic Combinatorics. Alia Khurram presented a talk, "Gibbs Phenomena in Two Dimensions", at the Section Annual Meeting at SVSU. [elamprecht@adrian.edu]

Albion College [reported by Mark Bollman]

Darren Mason was promoted to Prof. Nadiya Fink has returned from maternity leave. • A new actuarial science track within the mathematics major is being introduced. The department recently welcomed independent mathematical sculptor George Hart back to campus. Hart is the designer of the sculpture Comet!, based on nine rhombic triacontahedra, which is displayed in the atrium of the college's science complex. [Mbollman@albion.edu]

Alpena Community College [reported by Daniel Rothe]

We have started a new semester here at ACC. Kim Metevier is teaching a section of elementary algebra for us along with her new duties as Testing Center Coordinator. We are now offering a section of Precalc online. Dual enrollment continues to strengthen our number of sections in some of the higher classes. Jim Berles is on sabbatical in Hawaii studying GIS technology in order to develop some new classes for our Marine Technology degree in cooperation with the Thunder Bay National Marine Sanctuary. The remaining instructors are picking up the load while dreaming of sand and pineapples! [rothed@alpenacc.edu]

Calvin College [reported by John Ferdinands]

Jan Koop has been awarded a \$200,000 Improving Teacher Quality grant from the Michigan Department of Education to work with mathematic teachers in Grand Rapids area schools. Jim Turner has been awarded a grant from NSF to investigate interactions between homotopy theory and algebra. [ferd@calvin.edu]

Central Michigan University [reported by Susan Cooper] Mingan Yang (Statistics, Saint Louis U) is a new faculty member. Temporary

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CMU, an AA/EO institution, is strongly and actively committed to increasing diversity within its community (www.cmich.edu/aaeo.html).

The Mathematics Education Admissions Committee at **Michigan State University** is accepting applications for its

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faculty include: Sukanya Basu (Discrete Dynamical Systems and Algebraic Geometry, GVSU); Vladimir Chaynikov (Group Theory, Vanderbilt U); Richard Cooper (Mathematics Education, Mt. Pleasant High School); and Ye Li (Differential Geometry, Geometric Analysis and Partial Differential Equations, U of Oklahoma). Aklilu Zeleke (working with Carl Lee in Statistics, MSU) is a visiting faculty member. Charles Vonder Embse retired in August after 25 years of service at CMU. Tibor Marcinek and Brad Safnuk each received tenure and were promoted to the rank of Assoc. Prof. In addition, Felix Famoye, Carl Lee, En-Bing Lin and Sivaram Narayan received professor salary adjustments. Carl Lee will be on sabbatical for the Fall. • Felix Famoye and Christine Phelps were selected as recipients of the 2012 College of Science and Technology Award for Outstanding Teaching. Donna Erickson received the Honors Faculty of the Year Award for 2012. [coope2sm@cmich.edu]

Eastern Michigan University [reported by Tim Carroll]

Xiaoxu Han is on sabbatical this semester. • **Stephanie Casey** has been selected as a 2012 Service, Teaching and Research (STaR) fellow—an NSF grant program to support future leaders in mathematics education. [tcarroll@emich.edu]

Grand Valley State University [reported by Paul Fishback]

Jon Hasenbank and Hope Gerson have joined the department as Assoc. Profs working in the field of mathematics education. They previously held positions at the University of Wisconsin-LaCrosse and Brigham Young University, respectively. Feryal Alayont was granted tenure and promoted to the rank of Assoc. Prof. She is currently on sabbatical for the 2012-13 academic year. • GVSU again hosted an NSF-funded REU during the summer of 2012. Eight students from across the country worked in pairs under the direction of Will Dickinson, Jon Hodge, Shelly Smith, and Akalu Tefera. Two pairs of students, Linsey Brown and Hoang Ha (working under the direction of Jon Hodge) and Matthew Brehms and Alex Wagner (working under the direction of Will Dickinson), received MAA awards for presentations they gave at MathFest. Contingent on funding, GVSU hopes to conduct the program again in the Summer of 2013, in which fields of study consist of equal circle packing, applications of wavelets, voting theory, and outer billiard maps. (See www.gvsu.edu/mathreu for further details.) • Mathematics education majors spent a month in Arusha Tanzania, teaching mathematics to elementary and secondary students in this African country. In addition to teaching mathematics, students were immersed in the language and culture of Tanzania and also volunteered at a local orphanage. The experience is part of an ongoing study abroad program, where mathematics education students also fulfill their capstone course requirement. (See www.youtube.com/watch?v=NxXlZ4wUAAk for further details.) • Math-In-Action will take place on Saturday, February 9. (See www. gvsu.edu/math/math-in-action-2013-3.htm for further details.) • The Michigan Council of Teachers of Mathematics, which includes many member of the Michigan Section, has been engaged in creating books of games, activities, and short problems to engage students in kindergarten through senior high in mathematics, especially

during the summer months when they are not in school. In all, 13 books will make up the Adventures with Mathematics (AwM) series. Eleven of the books are in print, and the last one is slated to make its debut at Math in Action. Proceeds from sales benefit the MCTM Scholarship. (See www.mictm.org/resources/publications/176 for further details.) • Robert Talbert created the department's YouTube channel (www.youtube.com/GVSUmath). It includes over 150 instructional videos focusing on a wide variety of topics. [fishbacp@gvsu.edu]

Hope College [reported by Todd Swanson]

Aaron Cinzori received the "Mary J. DeYoung Faculty Mentoring, Advising and Teaching Award" from the Natural Science Division at Hope College. • Brain Yurk is on sabbatical for the fall semester. • We welcome Paul Pearson to our department as a Visit. Assist. Prof. of mathematics. • Jill VanderStoep and Todd Swanson received an NSF grant to develop a curriculum that uses simulation-based methods to introduce statistical inference. • Vicki-Lynn Holmes, Jill VanderStoep, and Todd Swanson received the "Best Paper" award for an article written in the *Journal of Statistics Education*. [swansont@hope.edu]

Lawrence Technological University [reported by Michael Merscher]

Welcome to **Patrick Nelson**, now a member of our full-time faculty, and welcome back to **Sonia Henckel**, who has recovered from health problems. Robofest continues to be a huge success, led by **CJ Chung** with help from **Chris Cartwright**. The 42nd Annual LTU High School Math Competition, authored by **Mike Merscher**, was held in April. First prize winner was **David Lu**. [merscher@ltu.edu]

Mathematical Reviews [reported by Mike Jones]

We welcome three recent hires as Assoc. Editor: **Heather Jordon** (graph theory; from Illinois State U, undergraduate and graduate work at WMU), **Lon Mitchell** (operator theory and linear algebra; from Virginia Commonwealth U, undergraduate work at CMU), and **Margaret Stawiska-Friedland** (several complex variables; from U of Kansas), and say goodbye to three recent retirees: **Andrei Iacob** (23 years), **Patrick Ion** (31 years), and **Smilka Zdravkovska** (31 years). **Darla Kremer** returned this Fall from two years at the National Science Foundation. **Jim Epperson** is on sabbatical for the Fall. [maj@ams.org]

Michigan Technological University [reported by Jeanne Meyers]

The Department welcomes **Jiguang Sun** (Ph.D. 2005, applied mathematics, U of Delaware) as a tenure-track Assoc. Prof. **Nick Wilson** joined the department as a Visit. Assist. Prof. He earned his Ph.D. from Clemson U in 2012. **Zeying Wang**, Lecturer, earned her Ph.D. in 2008 from the U of Delaware. She was recently a Visit. Assist. Prof. at Otterbein U. **Melissa Keranen** and **Shari Stockero** were promoted to Assoc. Prof. with tenure on August 20. **Clark Givens** retired in August. • MTU has been identified by the MAA's NSF project "Characteristics of Successful Programs in College Calculus" as having one of the more successful calculus programs in the country. During the initial phase, the researchers evaluated

more than 200 college-level calculus programs in the U.S. In the second phase, which begins this Fall, teams will visit the eight top programs, including MTU's, to learn about what makes them successful. [jemeyers@mtu.edu]

Oakland University [reported by Jerry Grossman]

We have a new Assist. Prof., Aycil Cesmelioglu. She received her Ph.D. from Rice U and held a postdoctoral appointment at the Institute for Mathematics and its Applications in Minneapolis. Aycil works in numerical analysis, PDEs, and applications. Anna Spagnuolo was promoted to Prof., and Dorin Drignei was promoted to Assoc. Prof. with tenure. Stanisław Migórski and Anna Ochal from Jagiellonian U in Poland and Mircea Sofonea from the U of Perpignan in France visited the department during September 2012 to work with Meir Shillor as a part of the Marie Curie International Research Staff Exchange Scheme Fellowship. Dorin Drignei and **Ravi Khattree** are on sabbatical leave this Fall. Anna Spagnuolo will be on sabbatical leave in the winter. Serge Kruk continues on leave without pay in Washington, DC. Baruch Cahlon received the prestigious OU Research Excellence Award for 2012. Libin Rong received the 2012 Leon Heller Postdoctoral Publication Prize in Theoretical Physics awarded by the Los Alamos National Laboratory. Prof. Emer. James McKay, one of the founding faculty members of OU, died in June. He served the department from 1959 until 1997, including several years as chairperson. • We expect to conduct the 18th annual Summer Mathematics Institute for talented local high school students in 2013; see www. oakland.edu/mathematics/OUSMI for details. This program is one of Jim McKay's legacies. Last summer Doron Zeilberger (Board of Governors Prof. at Rutgers U) gave a colloquium talk to the students in the program. The department will be running an REU again this summer. See sites.google.com/a/oakland.edu/mathreu for details. • Eddie Cheng will be stepping down as chairperson at the end of the academic year. The department is in the process of choosing his replacement from among the current faculty. The department's colloquium series schedule can be found at www.oakland.edu/math/colloquia. [grossman@oakland.edu]

Saginaw Valley State University [reported by Anthony Crachiola] Anthony Crachiola was elected Chair of the department starting this Fall. He is replacing John Mooningham after his 25th year of tireless service as Chair. Patrick Pan will be on sabbatical in Winter 2013. [acrachio@svsu.edu]

Schoolcraft College [reported by Randy Schwartz]

Alexander P. Morgan, a Ph.D. mathematician who retired from General Motors Research Laboratory's Mathematics Department in 2008 after a 30-year career there, gave a guest lecture on Nov. 16 hosted by the Math and Physics Club entitled, "What Kind of Math was Developed at General Motors?: Solving Systems of Polynomial Equations Using Continuation." His work on polynomial continuation, awarded the Melville Medal of the American Society of Mechanical Engineering in 1985, has found use in such applications as geometric-design systems and the design of compact windshield-wiper mechanisms. [rschwart@schoolcraft.edu]

Siena Heights University [reported by Jeffrey Kallenbach]

This Fall the SHU Math Dept has decided to try something new. We will as usual be holding Family Math Nights (at the local K-12's), and Mathapalooza (open pre-finals math tutoring sessions), and attending local conferences (DACTM in November). We are in preparation for MUMC2013 (see article elsewhere in this issue). As a special event for this year, we are planning to escape the Michigan January weather for a week by attending the AMS/MAA Joint Meetings. We are raising money and arranging schedules so that we can be in San Diego in January. **Andrew David Bjork** will be presenting his new work, "A final project in a mathematics of games class: create your own new game!". Seniors **Alyssa Hoff** and **Cory Heid** have also had abstracts accepted. Three faculty and seven students will be going for some sun, fun, and mathematics. [JKALLENB@sienaheights.edu]

University of Michigan-Flint [reported by Ken Schilling]

Howard Thompson is on leave this Fall semester as a Research Member of the Mathematical Sciences Research Institute in the Commutative Algebra program. After two years as a visiting faculty member, **Cam McLeman** has been appointed Assist. Prof. of Mathematics. **Shu-Yi Tu** begins her term as Chair of the Mathematics Department. UM-Flint alumnus **Andrew Behnke** gave a talk on life as a pension actuary. **Young-Man Kim** will speak to the Mathematics Seminar on "Control Engineering for Wind Turbine—System Identification, Subspace Predictive Control, and Fault Tolerant Control". Family Math Night will be held on our campus on October 25 at 6:30 p.m. The 46th annual Math Field day will be held on March 8. [ksch@umflint.edu]

Wayne State University [reported by Daniel Drucker]

Wayne Raskind has been appointed Prof. of Mathematics and Dean of the College of Liberal Arts and Sciences. He previously served as department chair and as dean of the faculty at USC and, more recently, as director of the School of Mathematical and Statistical Sciences at Arizona State U. Jaemin Shin has been appointed to a second year as a joint GM-WSU postdoctoral fellow. Former GTA Matt Zabka has been appointed as Lecturer. New Mathematics Resource Center Director **Tiana Fluker**, who has been associated with our department in a number of capacities in recent years, has been appointed as coordinator of the Jim Veneri Mathematics Resource Center. • Jing Shi has taken a position at the Beijing Institute of Technology. **Dan Preisler** has taken a position with Oakland CC. • Dan Isaksen has been promoted to Prof. and Fatih Celiker has been promoted to Assoc. Prof. with tenure. • In the Fall, Paul Chow, Catherine Lebiedzik, Guozhen Lu, and Zhimin Zhang will be on leave. John Klein and Boris Mordukhovich will be on leave in the Winter. • Gunnar Carlsson of Stanford U will be a visiting scholar during the Winter. • The Department has recently been awarded a GAANN (Graduate Assistantships in Areas of National Need) Grant from the U.S. Department of Education. The grant will support three doctoral students for three years. • The department expects to make two post-doctoral appointments, each for two years beginning in Fall, 2013. [drucker@math.wayne.edu]

Michigan Undergraduate Mathematics Conference

On behalf of the Department of Mathematics at Siena Heights University, it gives us great pleasure to invite you, your colleagues, and your students to participate in the 15th Annual Michigan Undergraduate Mathematics Conference, to be held on Saturday, February 23 at Dominican Hall on the Siena Heights University campus.

This year's conference will feature a variety of presentations by students and graduate program representatives. You may know that 2013 is the International Year of Statistics. To help support this we have invited **Jim Albert**, whose research interests include Bayesian statistics and the analysis of sports data. We believe you and your students will find his presentation exciting, relevant, and informative.

We hope that you will help us spread the word regarding the conference and that you will encourage your students to attend and give presentations. Fifteen-minute talks may focus on original research or be expository on material that most students do not encounter in the undergraduate curriculum.

A Web page for this year's conference will be up and running soon, and a link will be available on the Michigan MAA Web site. It will provide up-to-date information, as well as online abstract submission and registration forms.

Last year, we initiated a friendly competition among the participants/ schools—the "Barbie Bungee Border Brawl". We plan to include another activity this year that will require some STEM (*Science Technology Engi*neering and *M*athematics). More on this voluntary event to follow.

Questions should be directed to **Tim Husband** (thusband@sienaheights. edu) or **Martha Ruesink** (MRUESINK@sienaheights.edu)

We are very excited about this conference that has become an annual tradition for undergraduate mathematics students in Michigan, and we look forward to seeing you on February 23.

Tim Husband, SHU

LSSU in May

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30 **Positions Available**

NOTE: Most positions in the mathematical sciences, including many of the ones listed here, are advertised in Employment Information in the Mathematical Sciences (www.ams.org/eims). See also www.mathjobs.org. The MAA also has a Web site for employment opportunities (www.mathclassifieds. org). All openings are for Fall 2013 unless otherwise stated, and further information is available from the department.

Central Michigan University (www.cmich.edu/academics/sci_tech/math) invites applications for two tenure-track positions in mathematics, preferably in analysis and combinatorics, at the assistant professor level.

Eastern Michigan University (www.emujobs.com/postings/11389) invites applications for a tenure-track position in mathematics at the assistant professor level. The position requires a Ph.D. in mathematics with demonstrated excellence in teaching. Preference will be given to applicants with expertise in pure mathematics.

Hope College (www.math.hope.edu) is searching to fill a tenure-track position in statistics and a position in mathematics education.

Michigan Technological University (mtu.edu/math/department/positions) has tenure-track positions open in statistics, combinatorics, and computational mathematics or numerical analysis.

Oakland University (www.oakland.edu/math/positions) will be hiring a faculty member in secondary mathematics education, who will work closely with the Department of Mathematics and Statistics.

Saginaw Valley State University (tinyurl.com/9uxcoy9) invites applicants for a full-time, tenure-track assistant professor of mathematical sciences position. The successful candidate will teach a variety of courses for majors and non-majors. Departmental and university service and scholarly activity are expected.

Wayne State University expects to be hiring new lecturers. Applicants should either hold a doctorate or have nearly completed the requirements for that degree.

Student Chapter News

Alpena Community College

Sigma Zeta Math Science Honor society had an active spring semester. Members

helped with events at the regional Science Olympiad tournament. Members enjoyed a trip to tour the Soo Locks and thanks LSSU for the tour of the robotics laboratory. New members were inducted and fall inductees honored at the spring ceremony. Officers for the 2012–2013 school year are President **Allan Phillips**, Vice President **Gwenda Heacock**, Secretary **Joe LaVigne**, and Treasurer **Savannah Fleishans**. The group will again be providing valet parking for the military ball.

Central Michigan University

CMU's Kappa Mu Epsilon officers for the 2012–2013 academic year are: President: Marie Ermete; Vice President: Megan Haske; Secretary: Jessica Willson; Treasurer: Anthony Pochini; Public Relations: Brady Tyburski; Faculty Advisor: Sivaram Narayan. The Web page for this group can be found at cmich.orgsync. com/org/kme/home.

Lawrence Technological University

The LTU Math Club is active with book sales, problem sessions, and other activities. This year's president is **Eric Beyer**.

Oakland University

Two active student clubs serve undergraduates in the Department of Mathematics and Statistics at Oakland University, one in mathematics and one in actuarial science.

Section Dues: Individual • Institutional

The 2012–2013 individual and institutional membership dues for the Michigan Section are now being accepted. The \$15 individual dues payment (or \$30 contributing member payment) and the \$40 (small school) or \$70 (large school) institutional dues help support the activities of the Section such as its annual meeting and *Newsletter*. This coupon may be used to submit dues payments.

Enclosed is a check for:	Regular Dues	@ \$15	
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[X,[Y,Z]]+[Y,[Z,X]]+[Z,[X,Y]]=0 Western Michigan University

The Department of Mathematics, Western Michigan University, consists of 37 full-time faculty members with specialties in many areas of mathematics and mathematics education, with about 35 graduate teaching assistants and doctoral associates. Western Michigan University is located in beautiful southwestern Michigan, midway between Chicago and Detroit, near Lake Michigan.

Degree Programs The Department offers a variety of graduate programs tailored to meet the wants and needs of our graduate students. We offer Ph.D.s in Mathematics and Mathematics Education; and Master's degrees in Mathematics, Applied Mathematics, and Mathematics Education. Graduate students receive individualized attention and encouragement from professors committed to maintaining the highest standards in research and teaching.

Financial Assistance The Department offers several forms of financial assistance. Stipends range from \$11,580 to \$17,650. Additional summer support may be available. Currently all supported doctoral students and master's students receive tuition waivers. Applications are due by 15 February 2013. Late applications are accepted as long as openings remain.

All application materials are available on our Web pages:

www.wmich.edu/math

For additional information, please contact:

Graduate Secretary Department of Mathematics Western Michigan University Kalamazoo, MI 49008-5248

 Phone:
 269-387-4512

 Fax:
 269-387-4530

 E-mail:
 math-info@wmich.edu

 Web site:
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View of Lake Monona from the Monona Terrace Convention Center, setting for MathFest 2012 in Madison, Wisconsin.

Ad Manager Will Dickinson

COMMITTEES AND APPOINTMENTS

Michigan Section

Mathematical Association of America

Contact Information

Executive Committee					
Chair	Dan Isaksen (13)	WSU	isaksen@math.wayne.edu	313 577 2479	
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Vice Chair	Steve Blair (13)	EMU	sblair6@emich.edu	734-487-1296	
Sec/Treas	Mark Bollman (13)	Albion C	Mbollman@albion.edu	517-629-0261	
Past Chair	Michael Bolt (13)	Calvin C	mbolt@calvin.edu	616-526-6719	
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Exam Con	mittee:	1	,		
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GVSU

dickinsw@gvsu.edu

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Member	Dan Isaksen (15)	WSU	isaksen@math.wayne.edu	313 577 2479
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	Other	Appointments	and Contacts	
Webmaster	Sid Graham (14)	ĊMU	graha1sw@cmich.edu	989-774-381
Pub. Inf. Off.	Bob Xeras	SHU	rxeras@sienahts.edu	517-265-583
St. Act. Coord.	John Clifford (13)	UM-Dearborn	jcliff@umd.umich.edu	313-593-425
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Archivist	John W. Petro	WMU	john.petro@wmich.edu	616-387-459
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MCTM Lia.	John Fink (13)	Kalamazoo C	John.Fink@kzoo.edu	269-337-706

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