

MAA MISSOURI SECTION NEWSLETTER

Winter 2021 • VOLUME 40 • NUMBER 2

From the Chair (David Garth)

2021 MAA Missouri Section Meeting

This year's Spring Meeting will be held virtually on the afternoon of Friday, March 26, from 2:00-6:00 p.m. The meeting is sponsored by the Department of Mathematics at Truman State University and Hawkes Learning Systems. The Missouri Collegiate Mathematics Competition will take place Thursday evening, March 25, and Friday morning, March 26. Information about meeting registration and abstract submission is available on the meeting website,

<https://maa-mo2021.heysummit.com/>.

Registration is \$10, and \$5 for students, and there is no deadline for registration, but the initial deadline for contributed talks is February 28. Abstracts for talks will continue to be accepted after February 28 as long as there is room in the schedule. Both faculty and students are invited to submit abstracts. Talks may be research-oriented or expository in nature and should be accessible to students.

Invited Speakers

Jennifer Quinn, MAA President-elect

"Digraphs and Determinants: Determinants through Determined Ants"

Talithia Williams, Harvey Mudd College, Co-host of the PBS NOVA Series

"Data Driven Decision Making: Now and Imagined"

Call for Papers:

We invite both faculty and students to give talks at the Spring Meeting. An abstract submission form may be found at the meeting web site,

<https://hawkeslearning.lpages.co/maa-mo-call-for-proposals/>

Talks should be 15 minutes long and should focus on mathematics or mathematics education. Talks will be given over Zoom and can be either live or recorded talks. Use the Description of Presentation section of the registration form to indicate which type of talk you would like to give. Examples of topics include, but are not limited to, current mathematics research, development of new courses, and successful teaching techniques. Talks can be either research-oriented or expository in nature. Many undergraduate and graduate students attend this meeting, and you are welcome to design your talk for these students. Also, if you are advising a student who is doing research, please encourage the student to give a talk and assist the student in preparing it.

If you have any questions about the format of the talks, feel free to contact David Garth at dgarth@truman.edu.

From the Section Representative (Jeff Poet)

Just a brief report now for the newsletter with more details to come at the spring Section meeting. I am completing my third and final year as your Section Representative to the MAA Congress. Thank you for the opportunity to serve.

Make plans to join a reimagined MathFest 2021, August 4-7. Save the dates. Plans are well-underway for an interactive virtual conference with a possible option for in-person attendance in Sacramento. The plans remain fluid given the uncertainties of the times. Check back regularly to the MAA website for the most current information including important deadlines.

Get connected and stay connected with MAA Connect. If you have not yet signed up, you should do so. There have been many interesting threads in which you can participate.

The MAA is launching new speakers programs which will help section meeting organizers as they put together. There are more opportunities than ever before. Check them out on the website, especially if your institution will be hosting a Missouri Section meeting in the next few years.

You are encouraged to get active and be active in your SigMAA groups. These small groups, centered around themes and interests, are an important link in maintaining our connectivity between members across institution types and across the country.

I want to close by reminding us all of the MAA Vision Statement:

We envision a society that values the power and beauty of mathematics and fully realizes its potential to promote human flourishing.

Wishing you safety and health in this Brave New World in which we find ourselves. May what we do realize its potential and promote human flourishing.

From the Secretary/Treasurer (Phoebe McLaughlin)

There were no nominations for the section teaching award. The section's 2020 financial report is below.

MATHEMATICAL ASSOCIATION OF AMERICA			
Section Financial Report - Year Ended 12/31/2020			
Email: mpiansay@maa.org			
SECTION:	Missouri Section		
(A) BEGINNING BANK BALANCE(S), 12/31/2019			\$ 6,696.11
			<i>(see note below)</i>
(B) REVENUES			
B.1 MAA Subvention	\$1,052.00		
B.2 Project NExT			
B.3 Meeting - Registrations			
B.4 Meeting Income			
B.5 Workshop Registrations			
B.6 Meeting Exhibitors			
B.7 Contributors			
B.8 Interest on Checking	\$2.05		
B.9 Interest Savings/CD			
B.10 Book Sales			
B.11 Dues			
B.12 Advertisements			
B.13 Institute Memberships			
B.14 Patterson Prize			
B.15			
(B) TOTAL REVENUES			\$ 1,054.05
(C) EXPENSES			
C.1 Secretarial			
C.2 Honoraria			
C.3 Postage			
C.4 Telephone			
C.5 Printing			
C.6 Newsletters			
C.7 Travel			
C.8 Meeting Expenses			
C.9 Speakers Travel/Lodging			
C.10 Students Lecture Program			
C.11 Book Sale			
C.12 Project NExT			
C.13 Awards			
C.14 Miscellaneous Office			
C.15 Awards			
C.16 Patterson Prizes			
(C) TOTAL EXPENSES			\$ 0.00
(D) ENDING BANK BALANCE, 12/31/2018			\$ 7,750.16
(A + B - C = D)			
Phoebe McLaughlin	MO MAA Treasurer	1/1/2021	
Signature	Title	Date	
<p>note: this should include all bank balances including any CD's, savings accounts, etc. Please indicate to Mia Piansay at headquarters if any part of the above balance includes amounts being held due to a restriction placed on the funds by a donor. This does not include any amounts that have been earmarked or otherwise designated by the section governance unless they are also restricted by a donor.</p>			

Missouri Collegiate Mathematics Competition (Chip Curtis)

The Missouri Collegiate Mathematics Competition will be held in conjunction with the Missouri MAA Section Meeting. Since the meeting is being held virtually, the same will be true of the contest. The contest will be in two parts, one on Thursday evening, March 25, and the other on Friday morning, March 26. Precise starting times are being finalized and will be posted on the contest website. Two and a half hours are allotted for each portion of the contest. The official website of the contest is: <http://sections.maa.org/missouri/contest.html>.

Any college or university in the state of Missouri can enter up to two official teams of 1-3 undergraduates each to compete in the competition. A one-person team will be allowed only if this person is his or her college's only representative in the competition. An unlimited number of unofficial teams will be allowed but will not be eligible for awards. **Registration is free for both official and unofficial teams.** A completed registration form for each team must be received by Monday March 22, 2021 to ensure entry in the competition. Late registration will be accepted when feasible.

Each participating college/university must have a designated sponsor who will be responsible for ensuring the integrity of the competition at that institution. No calculators or computers or reference material may be used during the competition. The contest consists of challenging mathematical problems, comparable to, but not quite as difficult as the Putnam Exam. Contest problems will be sent electronically to the sponsor and solutions will be uploaded by the sponsor to a central repository. The contest committee will grade the contest problems with the goal of having scores determined in time to be announced Friday evening.

FUTURE MEETING SITES

The Spring Meeting is held at various locations around the state. The meeting sites for the next several years are listed below for your convenience. If your campus would be willing to host a Spring Meeting, please contact David Garth, Chair (dgarth@truman.edu), or any other member of the Executive Committee.

- 2021 Truman State University
- 2022 University of Missouri – Kansas City
- 2023 Missouri State University

The MAA Missouri Section Newsletter is usually published in November, March and May each year. Please send any news, comments, questions or corrections to me at ddaly@semo.edu.

*Dan Daly
Newsletter Editor*

MISSOURI SECTION OF THE MATHEMATICAL ASSOCIATION OF AMERICA

ABSTRACT FOR CONTRIBUTED PAPERS

Author(s):

Presenting Author:

Presenter is: faculty member _____ ; graduate student _____ ; undergraduate student _____

Institution:

Address:

Phone: (____) _____ Email: _____

Paper Title:

Abstract:

Is the presentation accessible to students? _____

You may email a scanned copy of the completed form to dgarth@truman.edu (please use “MAA Abstract” in the subject line) or send by land mail to:

David Garth
Truman State University
100 E. Normal St.
Kirksville, MO 63501

The deadline for submission is February 28, 2021.