KSMAA NEWS

SPRING 2019 MEETING INFORMATION

The 2019 KSMAA meeting will be held at Pittsburg State University in Pittsburg, KS. The tentative dates for the meeting are March 29-30, 2019. For a virtual tour of the Pitt State campus, visit https://admission.pittstate.edu/virtual-tour/. The Mathematics Department is located in Yates Hall, which is #9 on the Academic Buildings map.

More information on the spring KSMAA meeting and a call for contributed papers will be forthcoming. As information becomes available it will be posted on the section webpage at http://sections.maa.org/kansas/ .

The 14th Kansas Collegiate Math Competition will be held in conjunction with the meeting. For more information on the competition including questions and solutions from past years, visit https://www.pittstate.edu/math/kansas-collegiate-mathematics-competition.html .

2018 KSMAA TEACHING AWARD

Congratulations to Dr. Chad Wiley on receiving the 2018 MAA Kansas Section Award for Distinguished College or University Teaching. Dr. Wiley is an Associate Professor of Mathematics at Emporia State University. As a recipient of the section teaching award, Professor Wiley becomes a nominee for the national Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics.

Pictured from the 2018 spring meeting are awardee Chad Wiley and 2017-18 KSMAA chair Jeremy Martin.

ARNOLD WEDEL, IN MEMORIAM

Dr. Arnold M. Wedel, a faculty member at Bethel College and active member of KSMAA for many years passed away on June 30, 2018. According to his obituary, "during Wedel's tenure, Bethel graduated more than 150 math majors; 15 subsequently received a Ph.D. in math, with others earning doctorates in other fields. … He served the Kansas section of the Mathematical Association of America as chairman as well as governor, and was granted its meritorious service award. A room at the Mathematical Association of America headquarters in Washington, D.C., is christened the Arnold M. Wedel Room." The room is located on the 1st Floor, right next to the rear entrance facing the MAA Carriage House. His obituary can be found at http://www.legacy.com/obituaries/thekansan/obituary.aspx?n=arnold-wedel-squeak&pid=189855339.

28th Annual Kansas City Regional Mathematics Technology EXPO

Learn about all the great things your colleagues have been doing with technology in the math classroom.

October 5 & 6, 2018, UMKC

Web: http://www.kcmathtechexpo.org/

Facebook: https://www.facebook.com/pages/KC-Math-Tech-Expo/148308951981880?fref=nf

Twitter: @KCMathTechExpo #kcEXPO2018

CALL FOR NOMINATIONS FOR 2019 MAA KANSAS SECTION AWARD FOR DISTINGUISHED COLLEGE OR UNIVERSITY TEACHING OF MATHEMATICS

 Nominations for the 2019 MAA Section Award for Distinguished College or University Teaching of Mathematics are now being accepted. The Kansas Section Selection Committee will determine the recipient of the award from those nominated. The awardee will be honored at the Spring 2019 meeting of the Section and will be widely recognized and acknowledged within the Section. The awardee will also be the official Section nominee for the MAA Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics. There will be at most three national awardees, each of whom will be honored at the national MAA meeting with a certificate and check for $1000. A special session at that meeting is devoted to talks by the awardees on aspects of their teaching.

Anyone may make a nomination, but nominations from chairs in departments of mathematical sciences are especially solicited. An outline of the nomination process can be found on the web site

http://www.maa.org/awards/teachingawards.htm

We urge you to submit a nomination for the MAA Kansas Section Teaching Award if you have someone eligible and qualified in your department. Even if not selected this year, it is an honor for someone to have been nominated, and your candidate can likely be nominated again in a future year. Your department will receive recognition for its commitment to excellence in teaching, and the work done in preparing a nomination folder for your candidate is a tribute in itself. Self-nomination is not permitted.

Eligibility

College or university teachers who currently teach a mathematical science at least halftime during the academic year in a public or private college or university (from two-year college teaching through teaching at the Ph.D. level) in the United States or Canada. Those on approved leave (sabbatical or other) during the academic year in which they are nominated qualify if they fulfilled the requirements in the previous year.

More than seven years experience in teaching a mathematical science.

Membership in the Mathematical Association of America.

Guidelines for Nomination

Nominees should

- Be widely recognized as extraordinarily successful in their teaching*

- Have teaching effectiveness that can be documented

- Have had influence in their teaching beyond their own institution**

- Foster curiosity and generate excitement about mathematics in their students.

* "teaching" is to be interpreted in its broadest sense, not necessarily limited to classroom teaching. It may include activities such as preparing students for mathematical competitions at the college level such as the Putnam Prize Competition or the Mathematical Contest in Modeling, attracting students to become majors in a mathematical science or to become Ph.D. candidates, working with pre-service or inservice teachers, etc.

** "influence beyond…" can take many forms, including demonstrated lasting impact on alumni, influence on the profession through curricular revisions in college mathematics teaching with wide-ranging impact, influential publications or innovative books concerned with the teaching of college mathematics, etc.

Nominations must be submitted on the enclosed "Nomination Form." Please follow the instructions on that form precisely to assure uniformity in the selection process.

Please email the completed nomination form to

Professor Cynthia Huffman

Chair, Awards Selection Committee
cjhuffman@pittstate.edu

no later than February 1, 2019.

Nominations for someone from another Section should be sent to the Secretary of the nominee's Section.

The KSMAA Selection Committee will select the Kansas Section awardee soon after the February 1 deadline. After the selection is made, the nominator and awardee will be encouraged to complete and submit a full nomination packet (see http://www.maa.org/awards/teachingawards.htm) in time for consideration for the national award the next year.

We look forward to your participation in this exciting MAA venture of taking substantive action to honor extraordinarily successful teaching. We want to see such teaching recognized at all post-secondary school levels. We depend on you to help us identify those who merit such recognition.

Mathematical Association of America

Award for

Distinguished College or University Teaching of Mathematics

Nomination Form

PLEASE TYPE

Nominee's Name (First name first): _____

College or University Affiliation: _____

College or University Address: _____

City: _____ State: _____ Zip: _____

Nominee's email address: _____

Is the nominee a current member of the Mathematical Association of America? _____

Nominee's number of years teaching experience in a mathematical science: _____

Has the nominee taught at least half time in a mathematical science during the current academic

year or during the previous year if on approved leave or sabbatical?_____

In the space below, please briefly describe the unusual personal and professional qualities of the

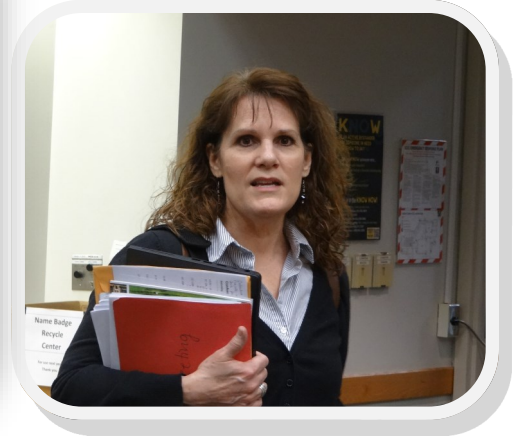nominee that contribute to his or her extraordinary teaching success.

Name of nominator (First name first): _____

Address: _____

Pictures from the 2018 KSMAA Section Meeting

Invited speakers Mark Yannotta & Matt Boelkins

Meeting host and KSMAA Vice Chair, Beth Edmonds, Johnson County Community College
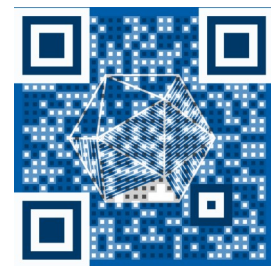

Jean Johnson, Baker University, being recognized for receiving the KSMAA Meritorious Service Award.

KSMAA Business meeting

More pictures can be found on the KSMAA website
http://sections.maa.org/kansas/ .

MAA PARTICIPATION IN THE JOINT MATHEMATICS MEETINGS

The AMS and the MAA have shared management, as well as contributed equally to the programming, of the Joint Mathematics Meetings under an agreement that has been in place since 1998. Through extensive discussions over the last five years, AMS and MAA have agreed that the 1998 agreement no longer meets the needs of either organization and will end following the Joint Mathematics Meetings in 2021.

Beginning in 2022, MAA national meeting activities will occur at MAA MathFest in the summer. The MAA will build on the continued growth of MAA MathFest and will also direct resources to better support MAA Sections and other programs that expand access and services to more members. The MAA believes that the strategic move from shared management of the Joint Mathematics Meetings under the 1998 agreement will allow us to better serve our members and the broader mathematical sciences community as we work to advance the understanding of mathematics and its impact on our world.

The AMS seeks to advance research and create connections. The JMM will remain the annual meeting for the AMS. With the AMS assuming sole responsibility for the management of this annual winter meeting, they will consider new models to help provide all participating organizations with expanded opportunities to advance their missions. A new model for the JMM starting in 2022 will ensure a continued rich experience for the mathematical sciences community.

The AMS and MAA agree that certain joint activities will continue, such as the Porter Public lecture, honoring the recipients of the AMS-MAA-SIAM Morgan Prize for Research by Undergraduates, and the JPBM Communications Award.

The AMS and the MAA have a long history of collaboration, and are both committed to working together to advance our shared interests.

J. Michael Pearson, Ph.D., MAA Executive Director (from an email 9/14/2018)

MORE ON THE JOINT MATHEMATICS MEETINGS FROM THE AMS WEBSITE

The Joint Mathematics Meetings (JMM) of the American Mathematical Society (AMS) and Mathematical Association of America (MAA) is an extraordinary event for the mathematics community, co-managed by the AMS and the MAA under an agreement that has been in place since 1998. While both organizations value the long-term partnership that manages the JMM, the AMS and MAA management partnership will change in 2022 when the AMS will become solely responsible for the management of this important, popular and successful event.

Both the AMS and the MAA aim to continue the long history of collaboration and are committed to working together to advance our shared interests, and certain joint activities will continue at JMM, such as the AMS-MAA-SIAM Gerald and Judith Porter Lecture, honoring the recipients of the AMS-MAA-SIAM Morgan Prize for Outstanding Research in Mathematics by an Undergraduate Student, and the Joint Policy Board for Mathematics (JPBM) Communications Award.

The JMM will continue to be co-managed by the AMS and the MAA in 2019, 2020, and 2021. The AMS welcomes this opportunity to develop new models for the JMM for 2022 and beyond that will ensure a continued rich experience for the mathematical sciences community. We will fulfill our AMS mission of advancing research and creating connections by offering opportunities for students and mathematical scientists across all fields. We will aim to engage members of all the professional societies and the broader mathematical sciences community in sessions related to research in all areas, mathematics education, applications of mathematics, and careers, and in events that create connections and among mathematicians at all levels and bind them going forward. We expect to continue offering travel grants, the Department Chairs Workshop, the Employment Center, short courses, special lectures, invitations for poster sessions, and social events.

Beginning in 2022, the MAA national meeting activities will occur at MAA MathFest in the summer. The MAA believes that the strategic move from shared management of JMM will allow it to better serve its members and the broader mathematical sciences community. The AMS will continue to have a presence at MathFest, including co-sponsoring an AMS-MAA Joint Invited Address.

Several mathematical organizations already participate in the Joint Mathematics Meetings, including the Association for Symbolic Logic (ASL), Association for Women in Mathematics (AWM), National Association of Mathematicians (NAM), Society for Industrial and Applied Mathematics (SIAM) and the mathematics institutes, as well as many exhibitors and the National Science Foundation. We will continue to welcome the diverse mathematical community from around the world to JMM to present research, share insights on mathematics education, see the wide range of exhibitors, and meet colleagues old and new.

We look forward to seeing everyone at JMM 2019 in Baltimore, Maryland, January 16-19!

(Source: https://www.ams.org/news?news_id=4582)

TOP RESULTS OF THE 2018 KS COLLEGIATE MATH COMPETITION

1st place   KU (Trevor Scheopner, John Johnston, Spencer Dang)
2nd place   Fort Hays State(Fernando Guzman , Kaicheng Xiao, Xinwe Bao)
3rd place   Benedictine (Meraiah Martinez, Paul Modlin, Cat Rea)
4th place   Kansas State (Tristan Wells Filbert, Thomas Lasnier, Evan Shanaler)

5th place Fort Hays (Patrick Cook, Hoyoon Woo, Tyler Bloom)

4 teams tied for 6th: KU (Zachary Atkins, Thomas Gartman, Andre Kurait)
                                   Washburn (Ryan Haller, Joshua Clark, Rahasya Bharaniah)
                                   Pittsburg State (Maddi Webb, Jordan Bailey, Levi Humbard)
                                   Emporia State (Song Yang, Yuxi Zhang, Shibo Gao)

THROWBACK — 1985 MEETING NOTES

Below are the KSMAA Meeting Notes from 1985, the last year that annual section meeting notes were published in the MAA *Monthly*. For more Meeting Notes from past KSMAA meetings, visit http://sections.maa.org/kansas/ksmtg.html .

Kansas Section

The seventieth annual meeting of the Kansas Section was held at Kansas Wesleyan in Saline, Kansas on March 29-30, 1985. There were 80 registrants.

Invited Addresses:

"The Reality of Students' Mathematical Behavior," by Alan H. Schoenfeld, University of California at Berkeley.
"Teaching a Problem Solving Course," by Alan H. Schoenfeld, University of California at Berkeley.
"What High School Seniors Know and How They Learned It," by Curtis McKnight, Univ. of Oklahoma.

Short Presentations:

"On the Existence and Nonexistence of Periodic Orbits in a Small Neighborhood of a Homoclinic Orbit in R^2 and R^3," by Mohammad Riazal-Kermani, Fort Hays State University.
"More on Super Heronian Triangles," by Ruth Meyer, Kansas State University.
"An Introduction to Strongly Regular Graphs and Association Schemes," by Cecil Andrew Ellard, Kansas State University.
"Practical Teaching Suggestions for Improvement of Problem Solving Skills in Mathematics," by Carolyn Ehr, Fort Hays State University.
"Synthetic Division for Non-linear Polynomial Division," by Kim Gattis, Wichita State University.
"Running Races and Recursion," by Dan Fitzgerald, Kansas Newman College.
"Calculating Kendall's Tau Correlation Coefficient Using Weighted Data by SPSS," by Merillee Carlyle, Wichita State University.
"Combinatorial Investigations on 0-1 Matrices," by Dale Hignes, Wichita State University.
"Sober Spaces," by Dian Palenz, Wichita State University.
"On the Boundary Behavior of Non-parametric Minimal Surfaces in R^3," by Kirk Lancaster, Wichita State University.

Student Paper:

"An Application of Linear Interpolation in Two Variables for Brain Wave Displays," by Douglas P. Bogia, Washburn University.

Panel Discussion:

"Testing for Mathematics Proficiency," by John Carlson, Emporia State University (Moderator); Elton Beougher, Fort Hays State University; Rose Buschman, Garden City High School; Richard Driver, Topeka Public Schools; Ted Zerger, Kansas Wesleyan.

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KSMAA NEWSLETTER

The KSMAA Newsletter is published twice a year; once early in the year and then again in the fall. A link to each newsletter will be sent out via email by the MAA. The newsletters are also archived on the section webpage at http://sections.maa.org/kansas .

The newsletter can also be a forum for sharing news or disseminating information to other mathematics departments across the state. If your department has any news to be included in the KSMAA Newsletter, please send it to KSMAA Public Information Coordinator:

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MAA

MATHEMATICAL ASSOCIATION OF AMERICA

Get Funded

MAA offers funding opportunities for college and university mathematical sciences faculty to improve teaching, learning, and student engagement. Ask us how to get funded.

- **Dolciani Mathematics Enrichment Grants** support projects designed to develop mathematical enrichment programs for talented students in middle or high school.

- **National Research Experience for Undergraduates Program** supports the participation of math students from underrepresented groups in summer research experiences to increase their interest in advanced degrees and careers in mathematics.

- **Tensor-SUMMA** (Strengthening Underrepresented Minority Mathematics Achievement) grants support programs designed to encourage pursuit and enjoyment of mathematics among middle school, high school, and/or beginning college students from groups traditionally underrepresented in the field of mathematics.

- **Tensor Grants for Women and Mathematics** support projects designed to encourage college, university, and pre-college women to study mathematics.

- The **Preparation for Industrial Careers in Mathematics (PIC Math)** program prepares mathematical sciences students for industrial careers by engaging them in real-world industry-created research problems.

- Attend MAA workshops on topics such as graduate TA training, data science, and preparing pre-service teachers, and receive travel funding for doing so through the **StatPREP**, **CoMInDS**, and **META Math** projects.

Learn more at maa.org/programs