

A publication of the Midland Section of the American Chemical Society

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Call for Nominations for 2023 Officer and Director Candidates Shuting Feng, Chair, Nominations and Elections Committee, Midland Section ACS

Here is your opportunity to become more involved in your local ACS section! We need candidates to run for the following positions for 2023:

- Chair-elect (1-year term)*
- Secretary (1-year term)
- Treasurer (1-year term)
- Chair, Nominations and Elections Committee (1-year term)
- Directors (3 open positions for 3-year terms)

*Note: The election of a Midland Section ACS member to the Chair-elect position triggers a rolling threeyear commitment, the first year as Chair-elect, the second year as Chair, and the third year as Past Chair. The Chair and Past Chair positions are not subject to the annual elections process unless a vacancy arises.

If you are interested in running for any of these positions, or if you know of someone who might be interested, please contact Shuting Feng at <u>fengs1391@gmail.com</u>. If you have any questions regarding the responsibilities of any of the positions, please contact the current officers or Shuting Feng. You are also encouraged to visit our website at <u>www.midlandacs.org</u>.

Midland Section and CMU Host National ACS President Dr. Angela Wilson, September 22 Gina Malczewski, Director and Outreach Committee, Midland Section ACS

A seminar, a career Q&A session with students, and the grand re-opening of the Midland ACS Centennial Exhibit are all on the schedule of National ACS President Dr. Angela K. Wilson of Michigan State University when she visits the Midland Local Section on Thursday, September 22, 2022.

Dr. Wilson will spend the day at Central Michigan University, but students and faculty from five area colleges (including CMU, Hope, Alma, Delta, and Saginaw Valley State University) can attend the 11:30 AM to 12:00 PM seminar as well as the 4:00 - 4:50 PM student Q&A session virtually (please see the flyer on page 3 for details). These sessions will also be recorded for student chemistry clubs to use at follow-up meetings as needed. MSU students and faculty have been invited to participate, too.

The updated Midland Section ACS museum exhibit will be front and center after a 5:30 – 6:30 PM reception at Rowe Hall sponsored by the Museum Studies Program (our collaborators) and some opening remarks by invited guests (6:00 – 6:30 PM), which includes new CMU Provost Nancy Mathews and Dr. Wilson. Access to the exhibit will continue until about 8:00 PM.

Those who sign up at <u>https://www.signupgenius.com/go/70A054BADAA2EA20-national</u> to attend Dr. Wilson's seminar and are present for it (virtually or in-person) are also eligible for a \$50 Amazon gift card to be awarded randomly.

The updated museum exhibit will now be open on a regular basis for at least two years at the Rowe Hall location. Contact Gina Malczewski at <u>reginamalczewski@gmail.com</u> if you have questions, or read over the associated FAQ Sheet, beginning on page 4.

Seminar Abstract:

Everything but the Kitchen Sink: From Transition Metals and the Heavy Elements to Drug Discovery



Dr. Angela K. Wilson, Michigan State University

Energies are vital to chemistry from the prediction of chemical reactivity to the design of new molecules. Insight about energetics is vital in areas such as developing new catalysts, designing more sustainable solar cells (spin trapping), addressing environmental contaminants, and discovering new drugs. The need for energy data spans the periodic table from small molecules to proteins. In the first part of this talk, the challenges in obtaining thermodynamic properties of transition metal species and heavy elements (lanthanide and actinide) species will be overviewed, along with effective strategies developed by our group to predict energetic properties. The later part of this talk will address our studies in spin trapping, environmental chemistry, and drug discovery.

Student Session:

Pathways to Success in School and Careers

Dr. Angela K. Wilson and Dr. Thomas H. Lane

Possible discussion topics include: Learning, networking, research opportunities, gaining experience as an undergraduate student, internships, growing your strengths, and other strategies to success.

CMU Museum & ACS Midland Local Section present:



A Day of Chemistry followed by the Grand Opening of



A Century of Science & Service

on display at the CMU Museum

Honorary Guest & Speaker: Dr. Angela K. Wilson President of the American Chemical Society and John A. Hannah Distinguished Professor of Chemistry at Michigan State University



JOIN US THURSDAY, SEPT. 22

Schedule of Events

Seminar - Dr. Angela Wilson BioScience Room 2010 11:30 - Noon "Everything But the Kitchen Sink: From Transition Metals and the Heavy Elements to Drug Discovery" Livestream available: https://midlandacs1.my.webex.com/join/webex1 Open Forum with Angela Dow Science Room 264 2:00 - 4:00 PM ACS Discussions, Research Q & A Time, Faculty Discussions Student Session - Hosted by Emma Doederlein, CMU ACS 4:00 - 4:50 PM Student President & Dr. Thomas Lane Dow Science Room 135 "Pathways to Success in School & Careers" Livestream available: https://midlandacs1.my.webex.com/join/webex1

5:30 - 6:30 PMReception with hors d'oeuvresRowe Hall Lobby6:30 - 8:00 PMPresentation and Exhibit Grand OpeningCMU Museum - Rowe Hall

A Century of Science & Service

Link to Parking Services and Map of Campus: https://www.cmich.edu/about/campus-safety/cmu-police/parking-services

FAQ Sheet About the Updated Midland Section ACS Centennial Exhibit at CMU *Gina Malczewski, Director and Outreach Committee, Midland Section ACS*

"A Century of Science and Service," Rowe Hall, Central Michigan University, September 2022

1. What is the Midland Section American Chemical Society (ACS) exhibit all about?

The exhibit discusses the history of the Midland Section of the ACS, founded in 1919, and the relationship between the local section needs and activities and the growth of our Mid-Michigan communities. Also celebrated are the outstanding Midland Section ACS members and the Section's contributions to education at local colleges and universities, as well as chemistry awareness across all age levels in our area. Important inventions by ACS members and their global contributions are also highlighted.

2. What target audience is the exhibit designed for?

The exhibit was designed with the general public in mind, to inform as well as to commemorate. Chemists can look up friends and colleagues on the Periodic Table of Elemental Members, but there are also videos of ACS outreach, a presentation on ethics and the breast implant controversy, as well as interactive augmented reality (AR) displays of important molecules, several interesting artifacts, and puzzles for kids to solve.

3. Is the exhibit FREE?

Yes, for unguided visits. Groups are asked to make a small donation. Contact the CMU Museum at 989-774-7165 for more information.

4. If I saw the centennial exhibit in 2019, is there anything new or different?

Yes, there is updated material in the exhibit, the AR experience is new, and there will be rotating displays along the outer perimeter of the museum space, as well as program events in the adjacent space.

5. Where exactly is the exhibit located and when is it open? How long will it be there?

The exhibit is located in Room 124 of Rowe Hall (650 East Bellows Street) on the campus of CMU in Mount Pleasant, MI. It is open from 8:00 AM to 5:00 PM weekdays, or by appointment. The CMU Museum office can be reached at 989-774-3829. Current plans are for the centennial exhibit to stay in place at this location for at least two years.

6. Will there be any special events or educational programs at the exhibit?

Yes, school group tours (or senior tours) can be arranged by contacting Rebecca Petrone at 989-774-3176 or via email at <u>galla1ra@cmich.edu</u>. Alternatively, you can fill out a program request form here: <u>Century of Science: Program Request Form</u>.

The grand re-opening of the exhibit will be on September 22, 2022, and there will be periodic programming in the adjacent space for Halloween/National Chemistry Week and other events in the near term. Please check the Midland ACS centennial website at <u>www.midlandacs100.org</u>, the main Midland Section ACS website at <u>www.midlandacs.org</u>, and the Midland Section ACS and CMU Museum Facebook pages for updates. You can also sign up to receive a free digital subscription to

the Midland Section ACS monthly newsletter, *The Midland Chemist*, on the local section's main homepage.

7. Who is responsible for the exhibit? What if I have questions?

The centennial exhibit was designed by John Metcalf of Good Design LLC. Content was developed by members of the Midland Section ACS who partnered with the CMU Museum Studies Program. Generous funding was provided by the Herbert H. and Grace A. Dow Foundation, the Rollin M. Gerstacker Foundation, the Midland Section of the ACS, the Charles J. Strosacker Foundation, and National ACS Corporate Associates. We also acknowledge the renovation efforts funded by CMU that allowed us to accommodate the exhibit at Rowe Hall.

If you have any questions, please direct them to Gina Malczewski (<u>regainmalczewski@gmail.com</u>) and/or to Dr. Jay Martin (<u>marti6jc@cmich.edu</u>).



Call for Abstracts for ACS Spring 2023 National Meeting & Exposition *Steve Keinath, Co-Editor, The Midland Chemist*

MARCH 26 - 30 • INDIANAPOLIS, IN • HYBRID

ACS Spring 2023 invites researchers from around the globe to submit an abstract for oral and poster presentations by Monday, October 17, 2022. The meeting theme, *Crossroads of Chemistry*, will be at the core of programming.

Sessions for the hybrid meeting will be held in Indianapolis, in-person and virtually, from March 26-30, 2023. Those who wish to submit an abstract can select their choice for a virtual or in-person presentation during <u>abstract submission</u>.

Visit the <u>ACS Spring 2023 website</u> to find a list of the programming divisions and planned symposia open for submissions. **The deadline to submit an abstract is October 17, 2022.**

Greater Houston Section ACS YCC Virtual Seminar Invitation, September 29 Safia Mohamed, YCC Chair, Greater Houston Section ACS

The Greater Houston ACS YCC has an upcoming virtual seminar this month about product development in the chemical industry featuring two retired Dow executives, Mark Jones and Stephen Hahn. Both speakers have worked for the company for 30 plus years. Please see the details below. I hope that you can join us and help get the word out.

ACS-GHS YCC Virtual Seminar Developing a New Pasta (the Cascatelli Story): Essential Product Development Lessons for the Chemical Industry

Please join the ACS Greater Houston Younger Chemists Committee (YCC) for this special virtual seminar featuring Mark Jones and Stephen Hahn. <u>Register for the Zoom link here</u>. Please note the time listed in the flyer below is Central Daylight Time.



The story of Cascatelli, a new pasta shape, began with an observation something could be improved, that there was an unmet need. Many pasta shapes don't hold sauce well. The surface area to volume ratio is wrong. Many shapes have poor mouth feel, too thin to resist biting. Many were hard to pick up with a fork. Dan Pashman believed there had to be an undiscovered optimum, a better pasta shape. Cascatelli is the result of his quest to develop and commercialize a new pasta shape and is well documented in a series of audio podcasts, <u>Mission Impastable</u>.

The Cascatelli story isn't about the chemical industry, but there are many parallels. The story of Cascatelli describes the common challenges and many of the characters inhabiting most new product development stories. There are incumbent pastas. Market incumbents frequently exist in chemicals and materials. Dan

unexpectedly encountered something quite common in the chemical industry, the challenge of scale. This seminar will tell the Cascatelli story while highlighting useful takeaways for those working in the chemical and materials industries.

Virtual seminar Zoom registration link: https://acsghs.wildapricot.org/event-4913226.

For more information, or any questions, please contact Safia Mohamed, Greater Houston Section ACS YCC Chair, at <u>acshoustonycc@gmail.com</u>, or visit the Greater Houston YCC website at <u>acsghs.wildapricot.org/YCC</u>.

Added note: Regular readers of the *Midland Chemist* may remember a similar Mark Jones story about the development of cascatelli as it appeared in the September 2021 issue. For reference, please see https://midlandacs.org/download/the-midland-chemist-september-2021/.

Call for Abstracts for 2022 Midland Section ACS Fall Scientific Meeting Regan Streeter, Communications Chair, 2022 Midland Section ACS Fall Scientific Meeting

The 2022 ACS Fall Scientific Meeting will be held on Saturday, October 29, 8:00 AM to 4:30 PM, in Curtiss Hall on the campus of Saginaw Valley State University. **The deadline to submit abstracts for oral and poster presentations is Friday, September 30.**

Please see the flyer below for more information. Pre-registration to attend the 2022 ACS FSM is requested to help assist with meeting planning. Just click the following link (2022 ACS FSM) to get started. For more information, or any questions, please contact Megan Streeter, 2022 ACS FSM Communications Chair, at acsfallsubmits@gmail.com.

	ACS-Fall Scientific Meeting
	Join us and Sign Up Now (Click Here)! Registration NOW OPEN
	Abstracts Due Date Extended 9/30/2022!!! After signing up, Submit Abstract to: acsfallsubmits@gmail.com
	For more information visit our website: <u>ACS 2022 FSM (google.com)</u>
	October 29 th , 2022 8:00am-4:30pm
	SVSU Curtiss Hall
	"A Touch of Chemistry"

Midland Section ACS Wins Six ChemLuminary Awards Out of 13 Nominations for 2021 Programs *Robbyn Prange, Past Chair, Midland Section ACS*



In recent months, the Midland Section of the American Chemical Society was honored to be nominated for thirteen 2021 ChemLuminary awards, once again including the competitive award for Outstanding Performance by a Local Section in the Medium Size Category.

The winners of these prestigious awards were announced at the ChemLuminary Awards ceremony at the ACS 2022 Fall National Meeting, at the Hyatt Regency Chicago, in Chicago, IL, on August 23. I'm very proud and pleased to report that the Midland Section ACS fared very well in the 2021 programs competition, earning six ChemLuminary awards in the following categories:

- **Best Continuing Senior Chemists Activity within a Local Section:** Planning for Centennial Exhibit Reset at Central Michigan University (CMU)
- Best Event or Activity Organized by, or Benefiting, the Applied Chemical Technology Professional Community: MMTG Anniversary Dinner
- Best Overall Local Section Minority Affairs: Summary of Minority Affairs
- Most Creative & Innovative Use of the CCEW Theme: CCEW Exposure / Seminar
- Outstanding Engagement with K-8 Students: 2021 Summary of Engagement
- Outstanding Performance by a Local Section Medium Size Category

Of particular note, the Midland Section of the ACS has now won the "Outstanding Performance by a Local Section" ChemLuminary award for the past ten consecutive years for our overall mix of high-quality programs, spanning the years from 2012 through 2021. Prior to that, the Midland local section enjoyed a not-quite-as-long, six-year running streak for this same prestigious award from 2002 through 2007. This level of sustained, high performance is truly unprecedented and places the Midland local section in a class all its own.

It is impressive how much of a powerhouse the team of dedicated, hard-working Midland Section ACS volunteers have been over so many years and continue to be today. The commitment, inventiveness, and creativity of our volunteers have been recognized time after time as some of the best in the nation.

Congratulations, Midland Section ACS team! Very well done!



None of Us Is as Dumb as All of Us Mark Jones, Director and 2020 Chair, Midland Section ACS

Editor's note: This article is reprinted, in part, from the Thursday, August 11, 2022, issue of *ACS Industry Matters Newsletter*, an online news publication of the American Chemical Society. At the National ACS level, Mark Jones is a member of the ACS Committee on Public Relations and Communications and the National Historic Chemical Landmark Committee. In this article, Mark explains how to spend less time in meetings and more time doing real work.



"Meetings: None of us is as dumb as all of us" is the caption for one of my favorite <u>fake motivational posters</u>. I went looking for proof that it could be true. I never found definitive proof, but I did find references suggesting that it is.

The radio show <u>Car Talk</u> provides the first evidence I encountered. Tom and Ray received a question about electric brakes on the show. Each clearly stated they'd never heard of electric brakes. Their complete lack of knowledge did not stop them from attempting to answer the question. Their answer prompted <u>The Andy Letter</u>, concluding the hosts "proved that even in a case where one person might know nothing about a subject, it is possible for two people to know even less!" The Andy Letter episode supports "none of us is as dumb as all of us," at least for two.

The Andy Letter conclusion prompted me to wonder how collective intelligence is influenced by group size, whether the two can be correlated. Such a correlation, if it could be made, might point to an optimum meeting or team size. Such a correlation would give a group size that ensures group wisdom surpasses individual wisdom, showing where banding together provides benefits. I went looking for data, hoping to find support for "none of us is as dumb as all of us," and ways to overcome it.

<u>Price's law</u> shows that adding participants generates limited returns. Price's Law states that half the work is done by the square root of the total number of people who participate in the work. Price's optimum group size is four. Add more people and you end up adding dead weight faster than productive workers. Larger meetings mean more non-contributors, more <u>social loafing</u>. Add another person to a group of eight and you only get about half-a-person of extra output according to Price. Adding a sixteenth member to a group of fifteen adds less than a third-of-a-person of extra output. As <u>Ringlemann</u> famously observed, loafing is more likely in larger groups. Price's Law and the <u>Riglemann effect</u> both show that bigger groups may be counterproductive. "None of us is as dumb as all of us" is due, at least in part, to people loafing in large meetings.

I endured many meetings during my industrial career. I don't remember enjoying many of them. <u>Meeting experts</u> confirm my observations. Over 11 million meetings are held every day with two-thirds of employees saying meetings hinder productivity. <u>Attendees say</u> nearly 80% of meetings are boring. Yet, the amount of time spent in meetings continues to increase.

Meetings changed dramatically over my thirty-year career. There was a clear hierarchy early in my career. Senior folks went to important meetings. I was largely left to work in the lab. Information got disseminated as needed.



The overheads and vu-graphs used early in my career are long gone. The most significant change is not about technology, but attendance. Everyone now attends. Gone is the hierarchy of my early career, replaced by the expectation of everyone attending every meeting. Those actually participating in the meeting, either by presenting data or offering comments, are but a fraction of the attendees. Meetings got larger and productivity went down. Price may be correct.

We assemble into teams having meetings just as animals assemble into herds, flocks, gaggles, prides, and packs. We find protection in numbers. We spread the impact of decisions across the larger group. In the world of R&D, we seek technical answers in much the same way that animals seek food. The foraging behavior of animals is where I found something that resonated with me regarding teams and meetings.

Animals, ignorant of the location of food sources, risk starving. Herds, flocks, gaggles, prides, and packs form, in part, because groups of animals are better at finding food. The benefit of banding together, even when resources are severely limited, outweighs the competition for the food supply. <u>Groups of 6-10</u> fare better at finding food than <u>smaller groups</u>. More than 6-10, competition becomes an issue. Less than 6-10, the risk of everyone starving is higher. Just like Tom and Ray from <u>Car Talk</u>, a small collective can fare worse than separate individuals. It can be dumber.

I am not alone in correlating foraging behavior with optimum meeting size. <u>Jeff Bezos' two pizza rule</u> suggests that team meetings should be small enough to be fed with two pizzas. That's eight, give or take. Many others similarly have concluded that eight is optimum or near optimum.

One way to avoid "none of us being as dumb as all of us" is to embrace hierarchy. Keep teams and meetings small. Let leaders of those teams meet in small teams to share information. <u>Embracing the hierarchy</u> makes everyone more productive. There is <u>less time devoted to meetings and more to real work</u>. It will also make the meetings attended less painful.



Please Consider the Midland ACS Scholarship Fund in Your 2022 Giving! Gina Malczewski, Director and Scholarship Committee, Midland Section ACS

Last year in May, **Dr. Wendell and Marcia Dilling** (photo at right) issued a challenge relative to growing the Midland ACS Scholarship Fund. Thus far, over \$7,100 has been added to the fund which, with the promised match from the Dillings, will bring the total fund to \$79,300. With an additional match of \$10,800 from the Dillings and \$9,900 from other contributions we can reach our goal of \$100,000.

The Midland Section ACS has been proud to offer scholarships to deserving undergraduate students majoring in a chemical science since 2002. Annually, two to four scholarships are awarded to candidates who have graduated from a high school in one of the Section's five



counties (Bay, Midland, Saginaw, Isabella, and Gratiot), are studying at a Michigan university, and are ideally intending to pursue a career in some aspect of chemistry or chemical engineering. Selections are made by a committee and are based on academics, service and extracurricular contributions, and an essay on the student's sources of motivation as well as future plans. Past scholarship recipients are often highlighted in issues of the *Midland Chemist*.

Awards usually range from \$1,000-2,000, depending on the financial performance of the Midland ACS Scholarship Fund (#399) administered through the Midland Area Community Foundation. A long-standing goal of the Section has been to raise the base amount to \$100,000 to serve more students.

Wendell and Marcia Dilling, both chemists and long-time supporters of the Midland Section ACS, are prepared to help us reach that goal by donating up to \$18,000 as part of a Challenge Grant to the Scholarship Fund, which currently stands at \$79,300. They will match 1:1 any new contributions to the fund at the Midland Area Community Foundation over the next couple years.

Please consider contributing to this worthwhile cause. **Your donations will help shape the future of chemistry!** If you have any questions about contributing to the Midland ACS Scholarship Fund, please call the Midland Area Community Foundation at 989-839-9661. Thank you.

An online donation form can be found through the following link:

Midland Section American Chemical Society Endowed Scholarship Fund #399



Sprouts & STEMs Garden Program – Herbs: Pizzas, Perfumes, and Potions *Gina Malczewski, Director and Outreach Committee, Midland Section ACS*

> The Midland Section of the American Chemical Society, and Creative 360 present:

Sprouts & STEMs Garden Program

HERBS: Pizzas, Perfumes and Potions

Featuring:...

Pizzas, teas and salads with fresh garden herbs, vegetables

The history of herbs as medicinal plants

Make it/take it SATCHETS from dried herbs and flow 6:30 pm-8:00 pm SEPT 14, 2022 Creative 360, 1517 Bayliss St, Midland

FREE, but registration is required by Sept noon. Register at 989-837-1885 or at https://becreative360.org/classes/ . A MINIMUM of 12 registrants is needed..

MSU St. Andrews Family Astronomy Night Clare Light, Project/Event Coordinator, MSU St. Andrews

Stars Part II: Spectroscopy! Or How We Know Anything About Almost Everything

FREE Virtual Family Astronomy Night, Wednesday, September 14, 2022, 7:00 PM – 8:30 PM

What are stars made of? What makes up bright nebulae, or dark nebulae, or galaxies, or quasars? What are the distances to any of these things? What are their temperatures? Are they moving towards us or away from us? And – most importantly – how, on Earth, can we know any of these things? All of these questions can be answered with a single word: spectroscopy! Curious as to how this all works? Interested to know what the



planets and constellations are doing in the month of September? Want to catch up on what the James Webb Space Telescope is doing? Join us via Zoom for MSU St. Andrews Astronomy Night to learn more!

Background image credit: NASA, ESA, K. Sahu (STSci), SWEEPS Team:

https://cdn.spacetelescope.org/archives/images/screen/heic0612d.jpg

Join us virtually for a presentation focused on how we know what we know about the heavens. Last April, we talked about stars – their names and patterns, their colors and brightness, their sizes and classes, and the distances to the nearer ones. To learn more about stars – and almost anything else in the sky – we need to understand spectroscopy. This month, we will describe how spectroscopy was discovered, developed, and turned to the sky. You will learn how astronomers calculated the temperatures of stars, determined what they are made of, and measured whether they are moving toward us or away from us. We will also discuss how they proved that many things in the sky are not stars, that some things that don't look like stars actually are, and other things that look like stars are actually something else entirely.

And, as always, we will show you how to find many fun things in the sky this month. Have you noticed the Summer Triangle, with its constellations of the Swan, the Eagle, and the Lyre, high in the south? Have you been watching Mars making a "red triangle" with two red stars, Aldebaran and Betelgeuse? Did you know that mighty Jupiter dominates the evening sky, and that Saturn is also visible? Or that brilliant Venus is fading from view in the morning? We will help you see all of these things for yourself. To end the evening, our monthly technology update will focus on the James Webb Space Telescope.

Free event! Please register below to receive the Zoom login. You may register up to the presentation start time or even during the meeting to join us.

https://standrews.msu.edu/event/family-astronomy-night-wednesday-september-14-2022-at-7-pm-est-virtual-event/

Time is allowed for live Q & A throughout the event. ASL Interpretation is also featured during the event.

Please see <u>https://standrews.msu.edu/family-astronomy-night/</u> for more information about these ongoing monthly programs and to access prior archived presentations.

In Memoriam – John Saam Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The obituary notice for John Saam as it appears below is reprinted, in part, from the Saturday-Sunday (Weekend), July 16-17, 2022, issue of the *Midland Daily News*. John joined the American Chemical Society in 1954, and was a member through 2021, at that point being a 67-year member of the ACS.



Due to an overabundance of birthdays, John received an offer he couldn't refuse on July 10, 2022. He was born on July 17, 1929, and things haven't been the same since. A few months later there was a severe stock market crash followed by the worst financial depression in U.S. history. Then, after eleven years of a miserable depression and dust bowl, there was World War II followed by a period of continuous U.S. warfare in various parts of the world. So now that he is gone maybe things will get better.

As a child, John's ambition was to become a Native American Indian over his parent's objections. Although he has always held these beautiful people in deep respect, this ambition was never realized, and he studied chemistry and

became a senior scientist instead. Should anyone be interested, some of his accomplishments can be found by searching under his name at Google Scholar and for his art at saams.com. His warped sense of humor was known to many, and it was expressed at the most inappropriate times (such as now). He was nevertheless blissfully unaware of any problems and frequently thanked God for the privilege of living on this planet.

Among John's other blessings were his beloved predeceased wife of 62 years, Lou Ella, a predeceased son, Paul, and the still surviving daughter-in-law. He also has three other intelligent, hardworking, and talented sons, and an equally gifted daughter and son-in-law. There are also four grandsons, four granddaughters, and three granddaughters-in-law, all of whom he frequently boasted. Recently, a lovely little great-granddaughter and a great-grandson have been added to the list. In addition, there are many kind, gracious relatives and friends who patiently put up with him.

Cremation preceded the funeral arrangements. A funeral mass at 11:00 AM and a preceding reception at 10:00 AM occurred at Blessed Sacrament Church on Thursday, August 18, 2022, in Midland, Michigan. Attendees were asked to be on time. If they could not or refused to attend, that's okay, as John wouldn't mind. In lieu of flowers, memorials were suggested to one's favorite charity or to Jesuit Refugee Service (jrsusa.org). Ad maiorem Dei gloriam et honorem.

Arrangements were entrusted to the care of Ware-Smith-Woolever Funeral Home, 1200 West Wheeler Street, Midland, MI, Phone: 989-631-2292, <u>https://www.wswfh.com/</u>.



Upcoming Dates, Events, and Other Updates

- September 12 (7:00 8:00 PM) Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at <u>Webex Board Meeting September 2022</u>, Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771. Please note: This Board meeting is being held on the second Monday of September, not the usual first Monday of most months due to the Labor Day holiday.
- September 14 (6:30 8:00 PM) Sprouts & STEMs Garden Program Herbs: Pizzas, Perfumes, and Potions, Creative 360, 1517 Bayliss Street, Midland.
- September 14 (7:00 8:30 PM) MSU St. Andrews Family Astronomy Night, free virtual event. Presentation topic: Stars Part II: Spectroscopy! Or How We Know Anything About Almost Everything. Please see https://standrews.msu.edu/family-astronomy-night/ for more information about these ongoing monthly programs and to access prior archived presentations.
- September 22 (11:30 AM to 12:00 PM) Seminar by National ACS President Dr. Angela Wilson, *Everything* but the Kitchen Sink: From Transition Metals and the Heavy Elements to Drug Discovery, CMU Bioscience Building, Room 2010, Mount Pleasant. A livestream attendance option is also available at: https://midlandacs1.my.webex.com/join/webex1.
- September 22 (2:00 4:00 PM) Open Forum with National ACS President Dr. Angela Wilson: ACS discussions, Q&A time, and CMU faculty discussions, CMU Dow Science Building, Room 264, Mount Pleasant.
- September 22 (4:00 4:50 PM) Student Session with National ACS President Dr. Angela Wilson, *Pathways to Success in School & Careers*, hosted by Emma Doederlein, CMU ACS Student President, and Dr. Thomas Lane, 2009 National ACS President and Dow Corning retiree, CMU Dow Science Building, Room 135, Mount Pleasant. Livestream attendance option available at: https://midlandacs1.my.webex.com/join/webex1.
- September 22 (5:30 8:00 PM) Midland Section ACS Centennial Exhibit, A Century of Science & Service. Opening event for the updated exhibit. 5:30 PM – Reception with hors d'oeuvres, 6:00 PM – Opening remarks by invited guest speakers, 6:30 PM – Access to the updated exhibit will continue to 8:00 PM. CMU Museum, Rowe Hall 124, 650 East Bellows Street, Mount Pleasant. Parking in Lot 14, next to Rowe Hall. For more information or any questions, please contact Gina Malczewski at <u>reginamalczewski@gmail.com</u>.
- September 29 (6:30 8:00 PM CDT, 7:30 9:00 PM EDT) Greater Houston ACS YCC Virtual Seminar featuring Dow retirees Mark Jones and Stephen Hahn, Developing a New Pasta (the Cascatelli story): Essential Product Development Lessons for the Chemical Industry. Virtual seminar Zoom registration link: https://acsghs.wildapricot.org/event-4913226. For more information, or any questions, please contact Safia Mohamed, Greater Houston Section ACS YCC Chair, at acshoustonycc@gmail.com, or visit the Greater Houston YCC website at acsghs.wildapricot.org/YCC.
- September 30 Deadline to submit abstracts for oral and poster presentations at the 2022 Midland Section ACS Fall Scientific Meeting. The 2022 ACS FSM will be held on October 29, 8:00 AM to 4:30 PM, in Curtiss Hall on the campus of Saginaw Valley State University. Meeting theme: A Touch of Chemistry. For more information, or any questions, please contact Megan Streeter, 2022 ACS FSM Communications Chair, at <u>acsfallsubmits@gmail.com</u>.
- October 3 (7:00 8:00 PM) Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at <u>Webex Board Meeting</u> <u>October 2022</u>, Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.

- October 12 (Save the date, Evening program) *Sprouts & STEMs Garden Program Natural Dyes and Pigments,* Creative 360, 1517 Bayliss Street, Midland.
- October 12 (7:00 8:30 PM) MSU St. Andrews Family Astronomy Night, free virtual event. Presentation topic: TBD. Please see https://standrews.msu.edu/family-astronomy-night/ for more information about these ongoing monthly programs and to access prior archived presentations.
- October 17 Deadline to submit abstracts for oral and poster presentations for the ACS Spring 2023 National Meeting & Exposition, Indianapolis, in-person and virtual hybrid meeting format. Meeting theme: *Crossroads of Chemistry*. For more information about the ACS Spring 2023 meeting, please see <u>ACS Spring</u> 2023. To submit an abstract, please click on <u>abstract submission</u>.
- October 26 (Save the date, Evening program) *Sprouts & STEMs Garden Program Pumpkin Party,* Creative 360, 1517 Bayliss Street, Midland.
- October 29 (8:00 AM to 4:30 PM) 2022 Midland Section ACS Fall Scientific Meeting, Curtiss Hall, Saginaw Valley State University. Meeting theme: A Touch of Chemistry. The deadline to submit abstracts for oral and poster presentations is September 30, 2022. For any questions, please contact the 2022 ACS FSM General Chair Hari Katepalli at https://www.nkatepalli.org. For any questions, please contact the 2022 ACS FSM General Chair Hari Katepalli at https://www.nkatepalli.org.
- November 3 (Save the Date) Midland Section ACS Diversity & Inclusion Committee program, A Day in the Life of an Industry Scientist, Midland Center for the Arts, an event in partnership with the University of Michigan (Flint) and Kettering University. For more information, please contact Anne-Catherine Bedard at diversity@midlandacs.org.
- November 7 (7:00 8:00 PM) Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at <u>Webex Board Meeting November 2022</u>, Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- December 5 (7:00 8:00 PM) Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at <u>Webex Board Meeting December 2022</u>, Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- March 26-30, 2023 (Save the Date) ACS Spring 2023 National Meeting & Exposition, Indianapolis. Inperson and virtual hybrid meeting format. Meeting theme: *Crossroads of Chemistry*. The deadline to submit abstracts for oral and poster presentations is October 17, 2022. For more information about the ACS Spring 2023 meeting, please see <u>ACS Spring 2023</u>. To submit an abstract, please click on <u>abstract</u> <u>submission</u>.



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