

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

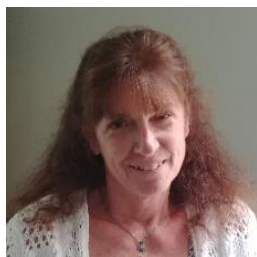
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Contents

Jerzy Klosin and Regina Malczewski named 2019 ACS Fellow.....	1
Midland Section ACS Centennial Exhibit – Invitation to Visit.....	2
Call for Nominations for 2019 Officer and Director Candidates.....	3
ACS National Meeting Symposium – Chemists Without Borders:	3
“A Century of Science and Service” —Updates and Prizes!.....	3
Of Molecules and Melodies: The Neurochemistry of Music, September 7.....	5
Inventor’s Forum at the Doan History Center, September 14.....	6
2019 Fall Scientific Meeting – Call for Abstracts.....	7
Sam Kean Presents: <i>The Disappearing Spoon and other Table Tales</i> , November 5.....	9
Sidney Harris Cartoon	10
In Past Issues of <i>The Midland Chemist</i>	11
Upcoming Dates, Events, and Other Updates	12

Jerzy Klosin and Regina Malczewski named 2019 ACS Fellow

Amanda Palumbo, Chair, Midland Section ACS



Jerzy Klosin (left), Dow Fellow, and **Regina Malczewski** (right), Dow Corning retiree, of the Midland Section have been named [2019 American Chemical Society \(ACS\) Fellow](#). They are among 70 scientists who have been recognized for their outstanding achievements in chemistry and important contributions to ACS and their profession. The 2019 Fellows will be honored at a special ceremony during the ACS National Meeting & Expo in San Diego, California on August 26, 2019.

Klosin is being recognized for the development of commercially relevant homogenous catalysts for large scale industrial processes and educating and mentoring younger scientists. In addition, he is an active contributor to ACS, serving passionately on the Joint Board-Council Committee on Publications, C&EN Board, Editorial Advisory Board of Organometallic and organizing conferences in the areas of organometallic chemistry and olefin polymerization.

Malczewski is being recognized for advancing industry standards and test methods for healthcare and personal care, in addition to her leadership in silicone materials development for antimicrobials, drug delivery, and pharmaceutical processing. Additionally, she is recognized for her long-standing service to the ACS in

many capacities, as well as for her demonstrated excellence in leadership, and enthusiasm, innovation, and relentless commitment to STEM outreach.

Klosin and Malczewski join 11 other Midland Section members in the rank of ACS Fellow since the program began [Midland Chemist, January 2019, Vol. 56, No. 1]. The Fellows Program was created by the ACS Board of Directors in December 2008 to recognize members of ACS for outstanding achievements in and contributions to science, the profession, and the Society.

Midland Section ACS Centennial Exhibit – Invitation to Visit

A Century of Science and Service 1919-2019
MIDLAND SECTION
AMERICAN CHEMICAL SOCIETY

Commemorating the Centennial of the Midland Section of the American Chemical Society and the local and global impact of its members.

Featuring topical **videos, artifacts and interactive elements** that highlight chemistry and the 150th anniversary of the Periodic Table.

Go to our website for more information, and details about **FREE PROGRAMS**.
www.midlandacs100.org

100th ANNIVERSARY EXHIBIT

Herbert D. Doan Midland County History Center
3417 W Main St, Midland, MI 48640
Weekdays 9-5, most weekends 12-4

Open now through the end of 2019

Chemistry: The Study of EVERYTHING!

The process to make something the physical stuff around us. Chemistry is the study of that matter.

High school, college and graduate students are encouraged to visit the exhibit. The exhibit is a great way to learn about chemistry and the role it plays in our lives. The exhibit is a great way to learn about chemistry and the role it plays in our lives. The exhibit is a great way to learn about chemistry and the role it plays in our lives.

QR CODE

Call for Nominations for 2019 Officer and Director Candidates

Michelle Cummings, Chair, Nominations and Elections Committee

Here is your opportunity to become more involved in your local ACS section! We need candidates to run for the following positions for 2019:

- 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)

If you are interested in running for any of these positions, or if you know of someone who might be interested, please contact Michelle Cummings at michelle.cummings@dow.com or 989-496-4672. If you have any questions regarding the responsibilities of any of the positions, please contact the current officers or Michelle Cummings. You are also encouraged to visit our website at www.midlandacs.org.

ACS National Meeting Symposium – Chemists Without Borders:

Celebrating 15 Years of Scientific/Humanitarian Collaboration

Ronda Grosse, Board Member, Chemists Without Borders

At the invitation of the American Chemical Society, Chemists Without Borders (CWB) has organized a symposium for the 2019 Fall National ACS meeting in San Diego, California. As the overall meeting topic is “Chemistry & Water”, a number of clean water projects will be discussed. Additionally, the symposium will cover other applications of chemistry to humanitarian work including sustainability and climate change topics. Hands-on science training and field work in Latin America, combating heavy metal contamination in Bangladesh, and establishing an AIDSfreeAFRICA laboratory in Cameroon will also be discussed. Presenters include representatives from universities, industry, and nonprofit organizations.

Progress on projects documented in the book “Mobilizing Chemistry Expertise to Solve Humanitarian Problems” will be covered, with focus on new authors’ contributions. This ACS symposium, to be held on Sunday morning, August 25, is titled “Chemists Without Borders: Celebrating 15 Years of Scientific/Humanitarian Collaboration”, in recognition of CWB work to date. Both the Multidisciplinary Program Planning Group and Environmental division of the ACS are sponsoring this symposium. Directly following, the Chemistry & Water opening plenary session on Sunday afternoon will feature one of CWB’s founders, Bego Gerber, on the panel. We hope to see you in San Diego!

“A Century of Science and Service”—Updates and Prizes!

Gina Malczewski, Centennial Committee, Midland Section ACS

New artifacts are on display at the Midland ACS Centennial exhibit—some on loan from the Science History Institute. See H.H. Dow’s personal copy of the ACS bylaws from 1898 and one of Charles Strosacker’s patent

packages; medical devices from Dow Corning have also been added. More kids' activities (with prizes) are also now available, and on-site kiosks allow direct access to the centennial website.

There will be an INVENTORS FORUM at the exhibit on September 14, 1-2 pm; this family event will feature local inventors and their inventions and allow questions and answers. Other programs are coming soon—check the “regular” and centennial websites for the latest information.

As first mentioned last month, there is still a contest going on for exhibit visitors: **the first 25 people who send an email with answers to the following questions to reginamalczewski@gmail.com (Centennial committee members ineligible) will be entered in a drawing to win a \$25 Gratz gift certificate!**

Please answer the following and tell us **where in the exhibit you saw the answer:**

1. What percentage of the human body is hydrogen?
2. What “number” is Ogden Pierce?
3. What happened on April 8, 1946?

The Centennial Exhibit at the Doan History Center on Main Street is open weekdays 9:00 AM to 5:00 PM. We intend to have adjunct educational programs each month that the exhibit is open, through December 2019. There will be different topics for each month, all related to the exhibit, and they will include art projects, hands-on science demos, and a scavenger hunt, among other special things of interest for the broader community. We will also be bringing in a special guest speaker and book author, Sam Kean, on November 5.

The table below outlines a tentative schedule of what to look forward to in the coming months.

Tentative Schedule of Midland Section ACS 2019 Centennial Exhibit Programs		
Date	Venue	Program
August 10	Doan History Center Atrium	Midland Memories: 1919
September 14	Doan History Center Atrium	Chemistry and the Art of Styrofoam™
October 12	Heritage Park History Campus	Scavenger Hunt / Inventor's Forum
October 19	Doan History Center Atrium	Silly and Special: Warrick's Putty, or It's a Wrap! – The Science of Saran™ and Plastic Films
November 5	Doan History Center Atrium	Sam Kean: Stories about Elements and Chemicals in History (and book signing)
December 7	Doan History Center Atrium	Silly and Special: Warrick's Putty, or It's a Wrap! – The Science of Saran™ and Plastic Films
December 14 or 15	Doan History Center Atrium	Christmas Chemistry and Crafts

In addition, we are also planning hands-on science activities for school groups that will be coming to visit the Centennial Exhibit throughout the duration of the museum display. For any questions about the Centennial Exhibit, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.

Of Molecules and Melodies: The Neurochemistry of Music, September 7
Gina Malczewski, Outreach Committee, Midland Section ACS

**FREE and
Open to the
Public!**



**The Midland Section of the
American Chemical Society**
and
Coleman Faith United Methodist Church (FUMC)
present:

**Of Molecules and Melodies:
The Neurochemistry of Music**

FEATURING a lecture by Prof. Ed Roth
Director, Brain Research and Interdisciplinary Neurosciences (BRAIN)
at Western Michigan University
and performances by local musicians, followed by a reception

Where: FUMC Sanctuary, 209 Jefferson St Coleman, MI 48618
When: 6:30-8:00 pm Sept 7, 2019

To be discussed:
-How does music affect the brain?
-Music and memory
-The future of music therapy

Inventor's Forum at the Doan History Center, September 14
Gina Malczewski, Outreach Committee, Midland Section ACS

Join us for an
**INVENTORS
FORUM**
at the
Herbert D. Doan History Center
3417 W. Main St. Midland
1-2 pm September 14, 2019

- meet some local inventors
- learn about their inventions
- ask them questions!

FREE! Open to the public

Where do inventors get their ideas?

How do you get from an idea to a patent?

What is a patent anyway?


How do you know if an idea is any good?








Sponsored by:



A Century of Science and Service
1919-2019
**MIDLAND
SECTION**
AMERICAN CHEMICAL SOCIETY



American Chemical Society Midland Section
FALL SCIENTIFIC MEETING
CALL FOR ABSTRACTS
 Oral & Poster Presentations

MARVELOUS METALS

26 October 2019 | SVSU

Registration • Follow the Sign Up Genius Link at <http://www.midlandacs.org/> • Deadline: 7 October 2019
 Submission • Please Submit Title & 300 Word Abstracts to acsfalls submits@gmail.com • Deadline: 30 September 2019

Sponsored by ACS Midland Section and SVSU Chemistry Club

2019 Fall Scientific Meeting – Call for Abstracts

Elizabeth Santos, 2019 Fall Scientific Meeting Committee, Midland Section ACS

Announcing the 2019 Fall Scientific Meeting

Saturday, October 26, 2019, 8:00 AM – 5:00 PM, Curtiss Hall, Saginaw Valley State University

Check-in starting at 7:30 AM. Meeting theme: *Marvelous Metals*

The Midland Section of the ACS and the SVSU Chemistry Club cordially invite you to participate in this year's Fall Scientific Meeting and explore our theme of *Marvelous Metals!* The event will feature morning oral presentations and an afternoon poster session.

Keynote Speaker

Dr. Jerzy Klosin (Fellow, Core R&D) from Dow will present on "Development of Molecular Catalysts for the Production of Ethylene-Based Copolymers"



Additional Featured Speakers

Prof. Ronald Tackett – Kettering University
 Prof. Martin Crimp – Michigan State University
 Prof. J. Wayne Johns – University of Michigan
 Prof. Gabriel Caruntu – Central Michigan University

A complete program and abstract book will follow.

Important Dates

American Chemical Society – Midland Section

P.O. Box 2695, Midland, MI 48641-2695 www.midlandacs.org

Abstract Submission Deadline for Poster and Oral Presentations: September 30, 2019
Fall Scientific Meeting Registration Deadline: October 7, 2019

Call for Abstracts

For poster and oral presentations, please submit a title and a 300-word abstract to acsfallsubmits@gmail.com.

Oral presentations will be 20 minutes in length with 10 minutes for Q&A. Posters have suggested dimensions of 48" x 36". Strict adherence to the meeting theme is not a requirement.

Event Cost

This meeting is FREE! All registrants are encouraged to join us in the SVSU Marketplace Café for lunch, where you can purchase your meal directly. The first 100 students to register for the meeting will receive a complimentary meal ticket.

Registration

To ensure that name tags are available for all presenters and attendees, please use the [2019 FSM SignUpGenius](#) page to register. This will also ensure that we have adequate accommodations for all attending. For more information or any questions, contact Elizabeth Santos (EMSantos@dow.com).

Sam Kean Presents: *The Disappearing Spoon and other Table Tales*, November 5
Gina Malczewski and Gretchen Kohl, Centennial Committee, Midland Section ACS

To celebrate the 150th anniversary of the Periodic Table and our centennial exhibit, we are hosting Sam Kean, best-selling author, on November 5 at 6pm in the Solutions Room at the Herbert D. Doan History Center. Sam will present and embellish on “elemental” stories from his book **The Disappearing Spoon** and also sign books, including his latest, **The Bastard Brigade**. He is also the author of **Caesar’s Last Breath**, and **The Violinist’s Thumb**. Barnes and Noble will be present to offer some of his books, and the Grace A. Dow Library will be featuring some of them (along with other popular chemistry titles) before his visit. The event is free and open to the public.

The Midland Section of the American Chemical Society invites you to:

THE DISAPPEARING SPOON
and Other Table Tales
An evening with best-selling author
SAM KEAN



6-8 pm, November 5 2019
Herbert D. Doan History Center
Solutions Room
3417 W. Main St. Midland

**Bring your books for signing,
or get new ones!**



Sidney Harris Cartoon

Submitted by Jeff Seeman, Department of Chemistry, University of Richmond

Editor's note: The Division of the History of Chemistry has received an ACS Innovative Grant that will provide 12 free Sidney Harris cartoons to ACS local sections for their use in newsletters or monthly communications or on their website.



"This ironic cartoon by Sidney Harris recalls a time of the great mercury-in-tuna scare. Certainly, mercury contamination can be a deadly problem, but I think this threat pales in comparison with other environmental challenges we face for a growing population, such as how to generate more energy, how to make more drinkable water, and how to grow more food that people want to eat, all in a sustainable manner."

– Richard N. Zare (Stanford University)

In Past Issues of *The Midland Chemist*

Wendell L. Dilling, Director and Historian, Midland Section ACS

50 Years Ago, *The Midland Chemist* 1969, 6, No. 3 (Sept), 2.

In *The Chairman's Column, New Editors* by K. L. Burgess, Chairman, Midland Section: "The MIDLAND CHEMIST, since its origin, has been edited by Dr. J. E. Dunbar. Joe has done a tremendous job of building reader interest as well as establishing the publication as a going business operation. Last spring, Joe asked to resign. Those of us who have worked with him were sorry to see him leave but recognized that he had more than done his share for the Section. Joe has shown an excellent ability to define the issues and state the questions. He seldom left any doubt as to his position and helped to remind many of us that it was time to stand up and be counted. You did not have to agree with the editorials but you did have to respect the manner in which the issues were presented. We will miss Joe as editor but I suspect we may see his name in the letters column. C.B. Roberts and C. D. Burton also are retiring and deserve our thanks for a job well done."

40 Years Ago, *The Midland Chemist* 1979, 16, No. 7, 179.

In *High School Chemistry*-- "A new staff Office of High School Chemistry was set up recently at ACS headquarters in Washington. Headed by Ms. Sylvia Ware, the new Office will bring to focus the Society's activities to serve the secondary school aspects of chemical education. It is expected that local section involvement will be a principal ingredient in the new operation."

30 Years Ago, *The Midland Chemist* 1989, 26, No. 4, 7.

In *Midland Section Recognized*: "Billy Williams, 1988 Chairman of the Midland Section of the American Chemical Society, recently received notification from the national ACS Committee on Local Section Activities that the Midland Section has been nominated to receive one of the 1989 ACS Awards for Outstanding Performance by Local Sections. This award nomination recognizes the hard work of many officers and the support and enthusiasm of the section membership in promoting the image of chemistry and chemists, and by providing an exemplary service program to the community. The ACS has a total of 182 local sections, of which the Midland Section is further classified as one of the 27 medium-large sections, having a membership between 800 and 1999. Awards are presented in each of five section size categories. The winners of the awards will be announced at the national ACS meeting in Miami Beach, on September 12th."

20 Years Ago, *The Midland Chemist* 1999, 36, No. 5, 5.

In *Letter to Section Chair Debora Bergstrom*: "April 16, 1999, Midland Section, American Chemical Society, c/o Debora F. Bergstrom, Dear ACS Midland Section,

We would like to express our heartfelt thank you for your support in regard to our presentations at the 217th annual ACS National Meeting in Anaheim. The money was used to offset our travel expenses. It allowed us not only to present our research but grow as chemists. We attended seminars and sessions that supplemented our coursework in numerous ways. Also, interaction with prominent chemists was exciting and it helped us develop professionally.

It was also touching to know that it was part of a memorial on behalf of Don R. Weyenberg. It made the financial support even more special to us. Thanks again for your generosity in providing us with the student travel grants.

Sincerely yours,

Heidi Putt, Debbie Rothe, Ben Vesper

Central Michigan University ACS Student Affiliates"

10 Years Ago, *The Midland Chemist* **2009**, 46, No. 4, 1.

In *Professor DeSimone is 2009 TAVP at MMI* by Steve Keinath, Director: "The Michigan Molecular Institute 2009 Turner Alfrey Visiting Professor is Professor Joseph M. DeSimone, Chancellor's Eminent Professor of Chemistry, University of North Carolina at Chapel Hill, and William R. Kenan, Jr. Distinguished Professor of Chemical Engineering, North Carolina State University, Raleigh, North Carolina. Professor DeSimone will give a series of lectures on "Advanced Applications of Fluoropolymers: From Green Chemistry to Nanomedicine," beginning September 14 through September 17."

Upcoming Dates, Events, and Other Updates

- August 10 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, *Midland Memories: 1919*, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- August 20-23 (8:30 AM – 4:00 PM) – FREE science camp – **STE(A)M Stew II** – for those entering grades 6, 7, and 8 in the fall, offered with Michigan State University at MSU-St. Andrews in Midland. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com.
- August 25-29 (Save the Date) – 258th ACS National Meeting & Exposition, San Diego, CA. For more information, see <https://www.acs.org/content/acs/en/meetings/national-meeting.html>.
- September 7 (6:30 – 8:00 PM) – *Of Molecules and Melodies: The Neurochemistry of Music*, Coleman Faith United Methodist Church, Coleman. Free and open to the public. See flyer in this newsletter. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com.
- September 9 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- September 14 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, *Chemistry and the Art of Styrofoam™*, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- September 14 (1:00 – 2:00 PM) – Inventor's Forum, Herbert D. Doan Midland County History Center, Midland. Free and open to the public. See flyer in this newsletter. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com.
- September 30 – **Abstract submission deadline** for poster and oral presentations for the 2019 Midland Section ACS Fall Scientific Meeting. Location: Curtis Hall, Saginaw Valley State University. Date and time: Saturday, October 26, 8:00 AM – 5:00 PM. Meeting theme: *Marvelous Metals*. Presentation titles and 300-word abstracts should be sent to acsfallsubmits@gmail.com. For more information or any questions, contact Elizabeth Santos (EMSantos@dow.com).
- October 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- October 7 – **Registration deadline** to attend the 2019 Midland Section ACS Fall Scientific Meeting. Location: Curtis Hall, Saginaw Valley State University. Date and time: Saturday, October 26, 8:00 AM – 5:00 PM. Meeting theme: *Marvelous Metals*. For more information or any questions, contact Elizabeth Santos (EMSantos@dow.com).
- October 12 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, *Scavenge Hunt / Inventor's Forum*, Heritage Park History Campus, Midland. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.

- October 19 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, specific topic TBD, *Silly and Special: Warrick's Putty, or It's a Wrap – The Science of Saran™ and Plastic Films*. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- October 26 (8:00 AM – 5:00 PM) – 2019 Midland Section ACS Fall Scientific Meeting, Curtis Hall, Saginaw Valley State University. Check-in starting at 7:30 AM. Meeting theme: *Marvelous Metals*. For more information or any questions, contact Elizabeth Santos (EMSantos@dow.com).
- November 4 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- November 5 (6:00 – 8:00 PM) – 2019 Midland Section ACS Centennial Exhibit program, *Author Sam Kean: Stories about Elements and Chemicals in History (and book signing)*, Herbert D. Doan Midland County History Center, Midland. See flyer in this newsletter. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- December 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- December 7 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, specific topic TBD, *Silly and Special: Warrick's Putty, or It's a Wrap – The Science of Saran™ and Plastic Films*. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- December 14 or 15 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, *Christmas Chemistry and Crafts*, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.

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