

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

April 2019, Vol. 56, No. 4

Contents

ACS 2019 Central Regional Meeting Program Description	2
2019 MSU St. Andrews Summer STEM and Writing Internships, Application Deadline April 22	5
ACS Spring Awards Recognition Dinner – RSVP Deadline, April 25	6
ACS Spring Awards Recognition Dinner – Special Program Event Celebrating the Periodic Table.....	7
Science Café, <i>TAKE NOTE: Crimes Caught on Paper</i> , April 25	7
Art and Science Event: <i>The Possibilities of Paper</i> , May 4	8
Coming in May: The Centennial Exhibit is almost here!	9
16th Annual ChEMS Research Forum, May 9	9
Turner Alfrey Visiting Professor Lecture, June 3	10
Captain Scott Kelly – The Sky is Not the Limit: Lessons from a Year in Space, June 4	10
Dr. Joseph M. DeSimone: <i>Translating University Research to the Marketplace</i> , CERM 2019, June 7	11
Sidney Harris Cartoon	12
2019 Fall Scientific Meeting: Save the Date, October 26	13
In Past Issues of <i>The Midland Chemist</i>	13
Upcoming Dates, Events, and Other Updates	15

ACS 2019 Central Regional Meeting Program Description

Shaun Ahn and Dimi Katsoulis, CERM 2019

Join the American Chemical Society's Midland Local Section as they celebrate their 100th anniversary and the 50th anniversary of our Central Regional Meeting in Midland, Michigan from Monday June 3rd to Saturday June 8th 2019.

Molecules to Materials 2019 ACS CERM will be a premier technical event featuring many notable scientists from throughout the region and beyond. Melanie S. **Sanford**, Craig J. **Hawker**, Tobin J. **Marks**, A.N. **Sreeram**, Joseph M. **DeSimone**, and the National ACS Board of Directors are just a few of the scientific luminaries contributing to the stimulating program designed to engage the whole brain. In recognition of the important role that chemistry and science play in our world, the technical program will be augmented with several public activities that showcase the value of ***Chemistry in Everyday Life***, including Chemistry in the Arts with special guest **Mark Golden**, astronaut **Scott J. Kelly**, STEM Night at Dow Diamond Stadium with Los Angeles Dodgers' professional baseball affiliate the **Great Lakes Loons**, chemistry education workshops at the Michigan State University Midland STEM Center, and a wrap-up of the **ACS CERM Regional Experiment**.

The ACS CERM will be hosted in Midland, Michigan from Monday June 3rd to Saturday June 8th 2019 at the modern facilities of [The H Hotel](#) and its 8,000 square-foot H.H. Dow Leadership Academy, with special events held at the [Midland Center for the Arts](#), [Dow Diamond Stadium](#), and Michigan State University's Midland STEM Center near the [Whiting Forest](#) of Dow Gardens.

Registration is open now. Information about registration, accommodations, and up-to-date program details can be found on the meeting website, acscerm2019.org. Registration includes breakfast, lunch, and coffee breaks throughout the day at The H Hotel's H.H. Dow Leadership Academy.

TECHNICAL PROGRAM Featuring a national-caliber cadre of speakers from across the chemical sciences in an intimate, modern setting that maximizes interactions among participants, the 2019 Central Regional Meeting's ***Molecules to Materials*** technical symposia offer attendees access to some of the world's leading chemists, materials scientists, engineers, and innovators.

Beginning on Tuesday June 4th through Friday June 7th, each morning will open with plenary talks by speakers Marks, Hawker, Sanford, and Sreeram, respectively, followed by a full slate of technical symposia.

Special thematic symposia have been designed to highlight research and development in Adhesion, Surfaces, and Interfaces; Metalloproteins, Model Complexes, and Metals in Medicine; Cosmetic Chemistry: The Science Beyond Beauty; Developing Sustainable Chemistries, including Principles, Tools, Drivers, and Case Studies; Novel Chemistries to enable High Performance Buildings; Feedstock and Energy Related Catalysis; Chemical Tools for Investigating Biology; The Central Nature of Diversity in Organic Chemistry; Synthesis and Characterization of Advanced Polymeric Materials; Polymer and Colloid Science: Fundamentals and Applications; Process Chemistry and Development; Chemistry and Transportation; Chemical Safety in the Undergraduate Curriculum; Materials for Advanced Separations; and a special event that illustrates achievements from the ACS Central Region Chemical Heritage. Additionally, classical symposia in focus areas in organic, bio-organic, inorganic, and analytical chemistries as well as chemical education, and health and environmental safety and regulatory chemistry.

Joseph M. DeSimone will headline the ACS BMGT *Bill Talk™* on Friday June 7th to engage attendees in the spirit of entrepreneurship.

The full listing of technical symposia, final program, and daily schedule may be found at acscerm2019.org.

NATIONAL CHEMICAL HERITAGE LANDMARK 2019 ACS CERM programming will conclude on Saturday evening, June 8th, with the National Chemical Heritage Landmark dedication for the advancement of the GC-MS coupling that originated in Midland, Michigan Dow Chemical Spectroscopy Labs in 1955. The ceremony will take place in the Dow Lounge of The H Hotel.

EXHIBITION A vendor exposition will be hosted daily to help attendees become familiar with the latest cutting-edge products and services offered by participating organizations. At the time of publication, organizations participating in the 2019 ACS CERM include: Fisher Scientific, Agilent, Bruker Optics, Midland Moose Works, Advion, Macherey-Nagel Inc., Thermo Fisher Scientific, Biotage, Hiden Analytical, and Impact Analytical.

COURSES & WORKSHOPS Educators, from K-16 levels, will be offered a full range of programming at the 2019 ACS CERM. Continuing education credits (SCECHs in the state of MI) will be offered for many of the K-12 programs scheduled. The 2019 ACS CERM would like to welcome teacher candidates.

Programming will be aligned to NGSS standards. Green Chemistry, laboratory safety, STEM teaching and assessment methods will be among the topics covered.

Topics and programming will also center on engaging non-traditional educators, including those who home school and those who teach STEM in informal environments such as museums, libraries, summer camps, or after school programs.

Planned workshops may be viewed in their entirety at the event website, acscerm2019.org. Highlights for educators include Green chemistry/toxicology at the MSU STEM extension; Creating a STEM Elementary School using Project Lead the Way concepts at the Central Park STEM School; Mark Bourgeois's "Virtues and Values in Science Education" at the Chippewa Nature Center, including dinner and a tour; Introduction to 3-D Printing in the Science Curriculum; and Melanie M. Cooper's "Chemistry, Life, the Universe and Everything."

EVENTS Activities to complement the 2019 ACS CERM scientific symposia and programming will start with a welcome reception at the Midland Center for the Arts (MCFTA) on Monday June 3rd 2019.

The welcome reception will be held in the MCFTA's main gallery where attendees can register for the event and catch up with friends and colleagues while enjoying appetizers, drinks, and locally made ice cream before strolling through the *Chemistry in the Arts* exhibition. *Chemistry in the Arts* celebrates the contributions of chemistry to creativity and will be open to the public as means to highlight ***Chemistry in Everyday Life***. The reception will begin at 5pm and conclude at approximately 8pm. Join Mark Golden, CEO of [Golden Artist Colors Inc.](http://GoldenArtistColors.com), at 7pm as he tells the story of the company's thoughtful approach to serving artists and the challenges that Golden Artist Colors has overcome to provide both one of the most widely used professional lines of acrylic paints on the market today and the enthusiasm to customize paint for many famed artists of our time. All reception attendees are welcome to attend with a complimentary ticket through the MCFTA box office. Transportation between The H Hotel and MCFTA is included with registration.

Chemistry in Everyday Life will highlight the role of chemistry and science on discovery, 7pm Tuesday June 4th 2019, with a lecture by [Captain Scott Kelly](#), “The Sky is Not the Limit: Lessons from a Year in Space.” Tickets may be purchased through the MCFTA’s box office for \$25 per person. Captain Kelly will offer transcendent insights that inspire and challenge attendees to dream big, test the status quo, and “choose to do the hard things.”

Wednesday evening, June 5th 2019, the American Chemical Society’s Central Region will celebrate the contributions of its members in the annual Awards Banquet. Special guests will include award recipients as well as the American Chemical Society’s [National Board of Directors](#). Tickets to this event may be secured during registration for the 2019 ACS CERM.

The ACS CERM’s [Regional Experiment](#) – a year-long citizen science activity that engaged middle school students in a water quality study of the Central Region – will wrap up on Thursday June 6th with a tailgate at Dow Diamond Stadium. All CERM attendees are encouraged to participate in this evening that will include a Career Mentoring Panel as part of the ACS CERM program, a Networking event, including game ticket and dinner for attendees, STEM Night at Dow Diamond with a high school robotics competition, and professional baseball. ***Chemistry in Everyday Life*** will be on display from 4pm until the game concludes.

LODGING Midland’s The H Hotel is the host property for the 2019 ACS CERM. Accommodations at The H Hotel – as well as other properties – are available through the event website, [acscerm2019.org](#), or directly through the hotel. Breakfast and lunch are included with CERM registration and will be served on the premises of The H Hotel. For additional dinner and evening options, participants are encouraged to explore charming downtown Midland’s fine restaurants and shops, rail trail, and the landmark Tridge, all within walking distance.

REGISTRATION Registration for the 2019 ACS CERM is now open. Advance registration discounts will end April 30th 2019. Please note that special event tickets for *Chemistry in the Arts*, Captain Scott Kelly, and the STEM Night at Dow Diamond have deadlines in May, about two weeks ahead of the meeting. High participation by attendees and the public is expected. We recommend that you secure your registration and event tickets as soon as possible. On-site registration will continue through June 8th 2019. For details, please visit the event website, [acscerm2019.org](#).

WITH SPECIAL APPRECIATION Event sponsors include the Dow Chemical Company Foundation, the Dow Corning Foundation, DuPont, Trinseo, American Chemical Society Division of Business Development and Management, American Chemical Society of Professional Chemists, the American Chemical Society’s Division of Small Chemical Businesses, the American Statistical Association, the Society of Cosmetics Chemists, the Midland Center for the Arts, the Midland Baseball Foundation, and the Midland Section of the American Chemical Society.

KEY CONTACTS

- Dimi Katsoulis – CERM 2019 General Co-Chair / MCFTA Liaison
- Matthias Ober – CERM 2019 General Co-Chair / Website Development
- Valentina Woodcraft – CERM 2019 Steering Committee / Website
- Wendy Sparschu – CERM 2019 Steering Committee
- Shaun Ahn – CERM 2019 Technical Program Co-Chair
- John Roberts – CERM 2019 Technical Program Co-Chair

- Brian Marinik – CERM 2019 Finance / MCFTA Liaison
- Doug Beyer – CERM 2019 Treasurer
- Gina Malczewski – CERM 2019 Chemical Education Co-Chair
- Michelle Rivard – CERM 2019 Chemical Education Co-Chair
- Jaime Curtis-Fisk – CERM 2019 Regional Chemistry Experiment
- Mindy Keefe – CERM 2019 Chemistry & the Arts
- Sam Costanzo – CERM 2019 Exposition Co-Chair
- Brett Zimmerman – CERM 2019 Exposition Co-Chair
- Lori Keith – CERM 2019 Website
- Kurt Brandstadt – CERM 2019 - Advisor
- Tom Lane – CERM 2019 - Advisor
- Amy Martin – CERM 2019 - Chair for Registration

2019 MSU St. Andrews Summer STEM and Writing Internships, Application Deadline April 22
Melanie Kaufman, Senior Communications Manager, Michigan State University

The application process for the 2019 MSU St. Andrews summer internship program for high school students is open. The application deadline is April 22, and the selected participants for this year's program will be notified by mid-May.

Program eligibility is limited to current high school juniors who: (a) Will be seniors in the fall of 2019, (b) Are eligible to work in the US and comply with State of Michigan minor guidelines for work, (c) Are able to commute daily to MSU St. Andrews in Midland (housing is not provided), and (d) Are able to commit to missing no more than one week of the program due to other obligations.

The summer internships will be eight-week, forty-hour per week, paid positions. Students are welcome to apply for both the STEM and Writing internships. The dates are tentatively scheduled from June 20 through August 19, 2019. MSU St. Andrews is located at 1910 West St. Andrews Road, Midland, MI 48640.

The following webpage offers additional details on the 2019 summer internship program, as well as links to the applications: <https://standrews.msu.edu/2019/02/13/summer-internship-application-to-open-march-15/>. For any other questions, please contact Melanie Kauffman at kauffman59@msu.edu or 517-432-4499.

ACS Spring Awards Recognition Dinner – RSVP Deadline, April 25

Diana Deese, Awards Committee Chair, Midland Section ACS

ACS Midland Section Spring Awards Recognition Dinner

Wednesday, May 1, 2019, 5:30 p.m. to 9:00 p.m.

Great Hall Banquet & Convention Center at Valley Plaza Resort
5121 Bay City Road, Midland, Michigan

Program:

5:30 p.m. Cash Bar and Social Time

6:00 p.m. Dinner

6:45 p.m. Speaker

7:10 p.m. Awards Presentations

Educators, students, volunteers, industry colleagues, and 50-, 60-, 70-year ACS members/retirees will be recognized for their outstanding achievements at this 28th annual event. Our special guest speaker will be **Professor Byungil Ahn**, Associate Professor at the History Department of Saginaw Valley State University, presenting a talk on the "Tale of the Chopsticks and the Fork – A Story of Innovation and Cultural Exchange at Our Table."

Mark your calendar and join us in support of our award recipients, to connect with colleagues, or just to mingle with a diverse group of people passionate about science! The cost of the dinner is \$16.00 per person and includes a plated chicken dinner, dessert, and beverage. A pre-dinner cash bar will be available. Your dinner reservation request must be received by April 25, 2019.



Payment options will be via the ACS Midland Section website www.midlandacs.org and using the SignUpGenius button to RSVP and conveniently pay ahead of time, at the door, or by mail using the address indicated below. Dress is business casual. This event is sponsored by the Midland Section of the American Chemical Society. For further information, contact Diana Deese at (989) 636-9915.

To reserve your spot by mail, return this form with payment (\$16.00/person) by **April 25, 2019**, to Diana Deese, The Dow Chemical Company, 1897 Building, E-bay East/E65, Midland, MI 48667, or RSVP via e-mail to dkdeese@dow.com. If paying by cash/check at the door, you must still RSVP to Diana by April 25.

Name(s): _____

Affiliation: _____

Phone/E-mail: _____

ACS member? Yes / No (indicate by circling your member status)

Dietary Considerations: _____

Enclose payment of \$16.00 per person. Checks should be made payable to "Midland Section ACS".

ACS Spring Awards Recognition Dinner – Special Program Event Celebrating the Periodic Table
Diana Deese, Awards Committee Chair, Midland Section ACS

In celebration of the 150th Anniversary of the Periodic Table, if you are able to sing the "ASAP Science New Periodic Table Song" to the audience at the close of the awards program, we have a special Lucite desktop periodic table display and \$150 for you! In the event we have multiple participants, a winner will be chosen by the audience. If we have no takers, we will have a drawing for the desktop display. You can find the song here: https://www.youtube.com/watch?v=rz4Dd1I_fX0.

Science Café, TAKE NOTE: Crimes Caught on Paper, April 25
Gina Malczewski, Outreach Committee, Midland Section ACS



The Midland Section of the
American Chemical Society
presents:

TAKE NOTE: Crimes Caught on Paper

A Science café
with PETER SCHLOOP
Resident Agent In Charge
United States Secret Service,
Saginaw Office

FREE AND OPEN TO THE PUBLIC
6:30-7:30 pm Apr 25, 2019
Creative 360
1517 Bayliss St, Midland

- Counterfeit currency and tests to find it
- Document Forensics
- More about the Secret Service

Art and Science Event: *The Possibilities of Paper*, May 4
Gina Malczewski, Outreach Committee, Midland Section ACS

Sponsored by the Midland Section of the American Chemical Society

The Possibilities of Paper: Three Art Projects

- Sculpture with Playing Cards
- Paper mache
- Quilling
- **\$5/person (\$2.50 returned after class)**

-Also info about the Chemistry of Paper
-Supplies and templates provided

Sign up and pre-pay using Sign-up
Genius at ACS homepage:
www.midlandacs.org



With Dow High art
students John Schriber
and Claire Newman, and
Gina Malczewski of ACS

9-11:30 am
Saturday May 4, 2019
Creative 360, lower level
1517 Bayliss St, Midland



Sign up to attend *The Possibilities of Paper* and pre-pay using Sign-up Genius at www.midlandacs.org.

Coming in May: The Centennial Exhibit is almost here!

Gina Malczewski, Chair, 2019 Centennial Committee, Midland Section ACS

Although much remains to be done, plans are on track for the opening of the Centennial Midland ACS exhibit, “A Century of Science and Service”, in early May. We are looking to gather some books for a possible display of definitive works by Midland Section ACS members; one of these is *The Analytical Chemistry of Silicones* by A. Lee Smith, and another is *Modern Superabsorbent Polymer Technology*, edited by Buchholz and Graham. We believe we have access to copies of these two books, but we would like to borrow another—*Styrene: Its Polymers, Copolymers and Derivatives* (1952) by Boundy and Boyer. If you own a copy and would consider lending it, please contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.

We received a grant from the Science History Institute which houses the Dow Collection, and just finished a week of research there. An exhibit-related website is also under construction. We intend to have adjunct educational programs each month the exhibit is open, from May through December. There will be different topics for these, related to the exhibit; art projects, hands-on science, and a scavenger hunt are in the early stages of planning—we will also have a special speaker November 5. Watch for more details!

16th Annual ChEMS Research Forum, May 9

ChEMS Department, Michigan State University

The Department of Chemical Engineering and Materials Science (ChEMS) at Michigan State University would like to invite you to join us at the 16th annual ChEMS Research Forum on Thursday, May 9, 2019. The forum is a full-day event, running from 8:30 AM to 5:00 PM, and will be held at the Huntington Club at Spartan Stadium, 325 West Shaw Lane, East Lansing, on the campus of MSU.

The 16th annual ChEMS Research Forum will showcase departmental research advances in the areas of:

- Energy and Sustainability
- Nanotechnology and Materials
- Biotechnology and Biomedical Engineering

The one-day program will feature invited plenary speakers, oral presentations from faculty and students, and an extended poster session describing the latest department research results.

If you or your company shares an interest in chemical engineering and materials science, then this event offers a uniquely personal and informal view into the general research directions of the MSU ChEMS department, its current research projects, and most importantly, an opportunity to get to know the many talented graduate students that are at the heart of it all.

We hope to see you on May 9. Registration, lunch, and refreshments are complimentary.

Turner Alfrey Visiting Professor Lecture, June 3

Melanie Kaufman, Senior Communications Manager, Michigan State University

MSU St. Andrews in Midland will once again host the Turner Alfrey Visiting Professor lecture, on Monday, June 3, 2019. Professor Craig J. Hawker will be our guest and main lecturer. Other speakers from Dow are being lined up as well.



The **Professor Craig Hawker** (photo at left) research group is an interdisciplinary group involved in a wide range of fundamental and applied materials chemistry and molecular engineering challenges. Current topics span the development of new polymer synthesis strategies to the fabrication of nanostructured materials for applications in biomaterials and energy research.

Craig J. Hawker is the Director of the California Nanosystems Institute (CNSI), Dow Materials Institute, and Facility Director of the Materials Research Lab at the University of California, Santa Barbara (UCSB). He holds the Alan and Ruth Heeger Chair in Interdisciplinary Science and is the Clarke Professor within CNSI. Hawker is a member of the Materials Department and the Department of Chemistry and Biochemistry at

UCSB and came to UCSB in 2004 after eleven years as a Research Staff Member at the IBM Almaden Research Center in San Jose, CA.

Here is the save the date webpage for the 2019 program: <https://standrews.msu.edu/2019/02/13/craig-hawker-to-visit-for-the-turner-j-alfrey-visiting-professorship-on-june-3/>. More details are forthcoming. For any questions, please contact Melanie Kauffman at kauffman59@msu.edu.

Captain Scott Kelly – The Sky is Not the Limit: Lessons from a Year in Space, June 4

Midland Center for the Arts

See event details at the MCFTA website: [MCFTA – Captain Scott Kelly](#)

One of a select group of Americans who embody a defining moment in the nation's history, he captivated the world and seized the imagination of millions during his record-breaking voyage—proving that the sky is not the limit when it comes to the potential of the human spirit. On his trip, Scott, together with his identical twin brother Mark on Earth, paved the way for the future of space travel and exploration as the subjects of an unprecedented NASA study on how space affects the human body.



With awe-inspiring stories from space and personal reflections on leadership, teamwork and testing limits, Scott inspires others to believe that they can reach any goal, no matter how ambitious or audacious. As he looks back on the expedition that shuttled him into history books, audiences revel in the presence of a true American hero and gather unique takeaways on persistence, resilience and self-determination that transform the way they view their own journey through life.

A book signing will follow the conversation.

Dr. Joseph M. DeSimone: *Translating University Research to the Marketplace*, CERM 2019, June 7
Dimi Katsoulis, CERM 2019 General Co-Chair



Business. Illumination. Longevity. Laughs.



Dr. Joseph M. DeSimone

CEO and co-founder of Carbon, Inc.

The H Hotel, Midland MI

Friday, June 7, 2019 12:00 PM – 1:00 PM

Dr. DeSimone will present a TED style talk entitled **Translating university research to the marketplace**, providing insights from his remarkable career in academia and as a successful serial entrepreneur. His talk highlights this special luncheon supporting and recognizing excellence in the business of chemistry.



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.



Drilling muds are viscous fluids of chemical mixtures used in geotechnical drilling to flush boreholes, carry debris to the surface, lubricate drills and related functions — the humor is that this sounds pretty much like a process, on a very different scale, that cosmetics users would like to achieve with pores in their skin! It is funny in part because of the absurdity of using an engineering-scale chemical mixture as a personal care product. But perhaps the real joke is that skin care products, like many products people use every day, are all mixtures of chemicals, and the perception of their safety or toxicity may have more to do with how they are marketed than their actual chemical composition.

-- Shana Sturla, ETH Zürich

[Sturla is Editor-in-Chief of the ACS journal *Chemical Research in Toxicology*]

2019 Fall Scientific Meeting: Save the Date, October 26
Jennifer Larimer, 2019 Fall Scientific Committee, Midland Section ACS



In Past Issues of *The Midland Chemist*
Wendell L. Dilling, Director and Historian, Midland Section ACS

50 Years Ago, *The Midland Chemist* 1969, 5, No. 9 (March), 2.

In *Changing Winds of Industrial Research* by J. E. Dunbar, Editor: “*The Midland Chemist* criticized industrial chemists who wandered into purely academic research in the May, 1966, issue. In that editorial we had this to say: “. . . we criticize the industrial scientist who takes advantage of the freedom given to him to utilize 100 percent of his time toward the pursuit of purely academic research, the goals of which are solely for the production of “high-class publications at the expense of a corporation engaged in profitable business.”

This editorial received a scorching rebuttal, published in the September, 1966, issue, by Dr. W. D. Gurowitz of Needham, Massachusetts.

Now the winds have changed, and many industrial scientists are feeling pressures to devote more of their time toward short term goals. With the current financial situation of the chemical industry, there may be certain research and development projects that should be quickly pushed toward product stage, but such endeavors should not be allowed to stifle the creativity of industrial scientists. Basic research with practical goals will ultimately yield the greatest profits.”

40 Years Ago, *The Midland Chemist* 1979, 16, No. 4, 149.

In 1979 E. C. Britton Symposium: “Approximately 40 chemistry professors are expected to attend the two day E. C. Britton Symposium April 19 and 20. The Symposium is sponsored annually by the Midland chapter of the

American Chemical Society and is intended to provide a means of communication between industry and academia. The theme of this year's symposium will be "Performance in The Chemical Industry."

The Symposium will be held Thursday and Friday mornings in the Dow Center Auditorium and will feature a panel discussion and various speakers from Dow Chemical and Dow Corning. On Thursday afternoon the participants will be taken on a tour of the Dow Corning Analytical Laboratory and the Calcium Bromide Plant at Dow Chemical. A banquet will be held Thursday evening at The Great Hall. Eldon Frich, Dow Corning, will be the guest speaker and present "Silicon(e)s and Health."

30 Years Ago, *The Midland Chemist* 1989, 26, No. 3, 3.

In *American Chemical Society, Committee on Local Section Activities* (letter heading) by Stephen A. Rodemeyer, Chairman, Local Section Activities Committee: "Mr. Muthyala Ramaiah, Editor, *The Midland Chemist*. Dear Mr. Ramaiah:

On behalf of the Local Section Activities Committee of the American Chemical Society, I would like to extend sincere congratulations on the 25th Anniversary of "*The Midland Chemist*." The quality of the publication is impressive and the readership is amazing. You truly have a newsletter capable of communicating well with your members.

Again, congratulations on your Silver Anniversary.

Sincerely,

Stephen A. Rodemeyer."

20 Years Ago, *The Midland Chemist* 1999, 36, No. 3, 14.

In *MMTG 1998 Summary* by Wendy Mallory: "1998 activities included: Chemistry demonstration and career day discussion at St. Josephat school in Saginaw, "Recognition Award Event" for continuous or significant contributions, & TAG board members, "Education Award Dinner" presented "Outstanding Chemical Technology Student Award", "State Police Forensic Lab" talk & membership drive, "Technologist/ Technician Panel Discussion", "Chemical Technicians: Education and Career Issues" symposium, entry in the "Santa Parade", "Sci-Fest" at Delta College, Saginaw County Science Fair Judging, Science Literacy Program teaching teachers, Vision 2000 at Bay City Mall, Communications with local college professor over sponsoring a student to come to work with a tech for a few hours (of) the day, talks to Chem Tech students on what technicians do and where they work, and several members serve in various positions of technician/technologist related organizations such CRDTG, National ACS TECH division, local ACS board and involvement with schools across the state."

10 Years Ago, *The Midland Chemist* 2009, 46, No. 2, 1.

In *The New 'Face' of the Midland Section* by Ann F. Birch, Editor: "*The Midland Chemist* also has a new "face" in preparation for primarily Internet access. The newsletter is now in a more easily printed 8.5- x 11-inch format and is in color on the web. Over the next couple of months we will continue to refine the format of the newsletter as we receive your suggestions."

Upcoming Dates, Events, and Other Updates

- April 8 (5:30 – 6:50 PM) – Midland Section ACS Board meeting pre-meeting pizza and networking session sponsored by the ACS CMU Student Chapter, The Cabin Restaurant, 930 West Broomfield Street, Mount Pleasant. For more information or questions, please contact Dale LeCaptain at dale.lecaptain@cmich.edu or 989-774-3993.
- April 8 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, CMU Chemistry Department, Dow Science Building, Room 108, 203 Ottawa Court, Mount Pleasant (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting April 2019](#), meeting number/access code 716 791 851, phone number: 989-633-1166. **Please note the change of venue from MCFTA to CMU.** For more information or questions, please contact Dale LeCaptain at dale.lecaptain@cmich.edu or 989-774-3993.
- April 22 – **Deadline for MSU St. Andrews Summer Internship program applications.** Tentative summer internship dates are June 20 through August 19. The following webpage offers additional details: <https://standrews.msu.edu/2019/02/13/summer-internship-application-to-open-march-15/>. For any other questions, please contact Melanie Kauffman at kauffman59@msu.edu or 517-432-4499.
- April 25 – **RSVP deadline for ACS Spring Awards Recognition Banquet**, to be held May 1. See RSVP details on **page 6** of this newsletter. Contact: Diana Deese at dkdeese@dow.com or 989-636-9915.
- April 25 (6:30 – 7:30 PM) – Midland Section ACS presents a Science Café with the U.S. Secret Service, *TAKE NOTE: Crimes Caught on Paper*. FREE and open to the public. Location: Creative 360, 1517 Bayliss St., Midland. See event flyer on **page 7**.
- April 30 – **Deadline for CERM 2019 “early bird” registration pricing.** For more information about 2019 CERM, go to <https://acscerm2019.org/>. To register to attend 2019 CERM, go to <https://acscerm2019.org/meeting-registration/>.
- May 1 (5:30 – 9:00 PM) – Midland Section ACS Spring Awards Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: \$16.00 per person. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- May 1-4 – ACS Great Lakes Regional Meeting (2019 GLRM), Sheraton Hotel, Lisle, IL. For more information, see <https://www.acs.org/content/acs/en/meetings/regional/great-lakes.html>.
- May 4 (9:00 – 11:30 AM) – Midland Section ACS sponsored art and science event, *The Possibilities of Paper*. Location: Creative 360, lower level, 1517 Bayliss St., Midland. Cost: \$5 per person (\$2.50 will be returned after class). Sign up and pre-pay using Sign-Up Genius at the Midland Section website www.midlandacs.org. See event flyer on **page 8**.
- May 6 (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.
- May 9 (8:30 AM – 5:00 PM) – 16th Annual ChEMS Research Forum, Huntington Club at Spartan Stadium, 325 West Shaw Lane, East Lansing, on the campus of Michigan State University. Registration, lunch, and refreshments are complimentary, but pre-registration for the forum is requested. Please register for the event at [2019 ChEMS Research Forum](#). For more information, call the MSU ChEMS Department at 517-355-5135, or send an inquiry by e-mail to chems@egr.msu.edu.
- June 3 (Save the Date) – Turner Alfrey Visiting Professor lecture, MSU St. Andrews, Midland. Professor Craig J. Hawker will be the main lecturer. Other speakers from Dow are also being lined up. More details are forthcoming, but please see: <https://standrews.msu.edu/2019/02/13/craig-hawker-to-visit-for-the-turner-j-alfrey-visiting-professorship-on-june-3/>. For any questions, please contact Melanie Kauffman at kauffman59@msu.edu or 517-432-4499.

- June 4 (7:00 PM) – Captain Scott Kelly: “The Sky is Not the Limit: Lessons from a Year in Space.” Midland Center for the Arts, presented in collaboration with the 50th ACS Central Regional Meeting 2019. Tickets on sale now. All tickets \$25. For information and to purchase tickets see the MCFTA website at [MCFTA – Captain Scott Kelly](#).
- June 4-8 (7:30 AM – 5:30 PM) – 50th ACS Central Regional Meeting (2019 CERM), The H Hotel, Midland. Celebrating the 50th Central Regional Meeting of the ACS and the 100th anniversary of the Midland Section of the ACS. For more information about 2019 CERM, go to <https://acscerm2019.org/>. To register to attend 2019 CERM, go to <https://acscerm2019.org/meeting-registration/>. **Please note the April 30 deadline for 2019 CERM “early bird” registration pricing.**
- June 5 (6:30 – 8:30 PM) – 2019 CERM Awards Banquet, The H Hotel Ballroom, Midland. For more information, see <https://acscerm2019.org/>.
- June 6-8 – STEM Education Opportunities at CERM. To register for local and free long-distance workshops, go to <https://acscerm2019.org/>. For more information or any questions, please contact Gina Malczewski (reginamalczewski@gmail.com) or Michelle Rivard (michelle.rivard@dow.com).
- June 6 (7:05 – 10:00 PM) – Great Lakes Loons Baseball Game, Dow Diamond, Midland, in conjunction with the 2019 CERM meeting. For more information, please see <https://acscerm2019.org/>.
- June 7 (12:00 – 1:00 PM) – BMGT and CERM 2019 present Dr. Joseph M. DeSimone, *Translating University Research to the Marketplace*, The H Hotel, Midland. For more information, see the flyer on **page 11** and see <https://acscerm2019.org/>.
- June 8 (6:00 – 7:00 PM) – National Historic Chemical Landmark dedication event, Founders Park, Midland, in conjunction with the 2019 CERM meeting. For more information, see <https://acscerm2019.org/>.
- June 10 (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.
- August 5 (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.
- August 25-29 (Save the Date) – 258th ACS National Meeting & Exposition, San Diego, CA.
- 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.
- 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 26 (Save the Date) – 2019 Midland Section ACS Fall Scientific Meeting, Saginaw Valley State University. Meeting theme: *Marvelous Metals*.
- 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.
- 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.

The Midland Chemist is published twelve times a year by the Midland Section of the American Chemical Society, P.O. Box 2695, Midland, MI 48641-2695, <http://www.midlandacs.org>.

Volunteer Staff

Vickie Langer
Steve Keinath
Mike Malczewski
(Open Position)

Editor (vlanger@dow.com)
Editor (skeinath54@charter.net)
Webmaster, electronic distribution
Membership roster, hardcopy mailings

Please submit all articles and photographs to the editor. Neither *The Midland Chemist*, nor the Midland Section, nor the American Chemical Society assumes any responsibility for the statements and opinions advanced by contributors of or to *The Midland Chemist*.

© Copyright 2019 Midland Section of the American Chemical Society

The Midland Chemist is now primarily available online with publication notification by e-mail. If you are currently receiving *The Midland Chemist* as a hardcopy, this means that we do not have an e-mail address for you. If you do have e-mail and would prefer to get the publication electronically, please notify the editor at newseditor@midlandacs.org. However, if you do not have e-mail, we are happy to provide the publication as hardcopy. If you have any questions about events and only electronic communication information is listed, feel free to contact the Midland Section ACS Chair, Amanda Palumbo, at amanda.palumbo@dow.com.