

THE MIDLAND CHEMIST

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(corrected 14 March 2022; correction page 17)

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ACS Spring 2022 National Meeting – Bonding Through Chemistry

Steve Keinath, Co-Editor, *The Midland Chemist*

Editor's note: This article is reprinted, in part, from the January 11, 2022, issue of the online *ACS Matters* newsletter, a publication of the American Chemical Society.



Mark your calendars: Registration for **ACS Spring 2022** opened on **January 17**. The meeting theme, “Bonding Through Chemistry,” will be at the core of programming for the hybrid event taking place March 20–24, 2022, virtually and in San Diego, CA. Explore the [Schedule-at-a-Glance](#) to review the overall meeting schedule, including hybrid, in-person, and live virtual sessions along with keynote events, expo hours, and poster events.

Book your housing by February 25, 2022, and receive exclusive rates and benefits by [making your hotel reservations](#) through ConferenceDirect, the official housing

service provider for ACS Spring 2022 in San Diego, CA. Please note that the ACS does not endorse booking hotel reservations through any other sources.

Please note! ACS Spring 2022 will be a mask- and vaccination-required event for all attendees, exhibitors, vendors, and ACS staff who plan to participate at the meeting in-person. Everyone attending in person will need to be fully vaccinated by March 6, 2022, and also will be required to provide a mobile number during registration to complete the proof of vaccination process. For detailed information about the requirements and all other ACS safety measures, please visit the [ACS website](#). We look forward to seeing you at ACS Spring 2022 – virtually or in-person!

Erratum

Steve Keinath, Co-Editor, *The Midland Chemist*

An error of omission was made in the January 2022 issue of the *Midland Chemist*. Near the middle of page 16 of that issue, Dimi Katsoulis's name was inadvertently left off the list of National ACS Fellows who are members of the Midland Section ACS.

Dr. Dimitris Katsoulis was named an ACS Fellow in 2021, continuing an unbroken streak of Midland Section ACS members coming on board at National ACS Fellows going back to 2013. Congratulations, Dimi, and my sincere apology for this error.

The complete set of Midland Section ACS members who are National ACS Fellows and their year of induction is as follows:

2010	Wendell L. Dilling, Michael J. Owen
2011	Bob A. Howell, Thomas H. Lane, Connie J. Murphy
2013	Patrick B. Smith
2014	Janet M. Smith
2015	Gretchen S. Kohl
2016	Joan M. Sabourin
2017	Mark E. Jones
2018	Susan Beda Butts
2019	Jerzy Klosin, Regina M. Malczewski
2020	Christian T. Goralski
2021	Dimitris Katsoulis



Outreach Outlook for 2022 – Something for Everyone!

Gina Malczewski, Director and Outreach Committee, Midland Section ACS

Looking for STEM-related activities – classroom visits, presentations, camps, or interactive walk-by events? Though the pandemic is still affecting plans, more in-person programs are on the books, and the schedule continues to expand. Hybrid offerings are here to stay.

Volunteers interacted with families during “Kids Day at the Mall” – discussing chemical and physical changes, effects of temperature and mixing on those phenomena, and activities with glow sticks, pop rocks, iron-based hand warmers, and baking soda and vinegar. A “clock” reaction was also demonstrated with starch, iodine, and vitamin C. An estimated 200 people came by.

Coming soon will be the MSU Science Festival, where teachers connect with presenters for hybrid learning – we are offering two different sessions (on density and physical/chemical properties)—not only will there be presentations, but supplies will be sent so students can participate with hands-on experiments. This platform was used very successfully last year and connections were made with teachers in Manton, Lansing, Okemos... and even as far away as California!

In-classroom visits or hybrid presentations continue for those professionals connected with teachers as part of the National ACS “Science Coaching” effort.

Outreach associated with the centennial exhibit reboot will occur in Mt. Pleasant at CMU—we are doing a presentation for CILC on Women in STEM (check their website) on March 16, and more programs will be planned.

“Girls Day Out” sponsored by Delta College will be March 25, where Midland ACS will offer two hands-on virtual activities during the day to at least 500 girls.

Our “Earth Day Expo” is being planned for April 24, 12-4 PM; last year we had over 30 exhibitors. More information will be forthcoming on that day, and there will be other events as well—seminars, tours, and volunteering opportunities are also being discussed. We plan to expand the K-12 Illustrated Poem Contest and display the submissions in public. The theme is “The Buzz about Bugs” so we are as busy as bees considering our options!

Plans for the garden are in flux due to funding issues, but hopefully we will continue this effort, with the associated youth-focused science and art programs we started last year as “Sprouts and STEMs”.

With MSU-St. Andrews we are planning TWO summer camps, one virtual and one in-person, and we will likely present at other such summer offerings.

Fall will bring National Chemistry Week (“Fabulous Fabrics”) another poem contest, and associated activities.

If you find value in these programs, please spread the word—information is always available on the website and Facebook. Come yourself and bring friends! We also need VOLUNTEERS—to plan and to work. To do so, or if you know someone who would like us to offer an event or visit a classroom, reach out at reginamalczewski@gmail.com.



Dave Stickles showing the Physical Changes
Occurring with Pop Rocks in hot and cold water
Kids Day at the Midland Mall 1/29/2022

Central Regional Meeting of the American Chemical Society *Vickie Langer, Co-Editor, The Midland Chemist*

Editor's note: This article is reprinted, in part, from the January 27, 2022, issue of the online *ACS Industry Matters* newsletter, a publication of the American Chemical Society.

The Huron Valley Local Section is hosting the Central Regional Meeting of the American Chemical Society June 7-10, 2022. This four-day event will take place at Eastern Michigan University's Student Center.

ACS Regional Meetings feature technical programming to help you stay up to date on the latest research and keep you connected with chemists in your region.



Registration opens March 21, 2022. Visit the meeting website to find a list of the programming divisions and planned symposia open for submissions: [Central Regional Meeting](#).

ACS Fall 2022 National Meeting – Sustainability in a Changing World

Steve Keinath, Co-Editor, *The Midland Chemist*

Editor's note: This article is reprinted, in part, from the January 18, 2022, issue of the online *ACS Matters* newsletter, a publication of the American Chemical Society.



NOW ACCEPTING ABSTRACTS FOR ACS FALL 2022

[Submit your abstracts](#) for oral and poster presentations for ACS Fall 2022. The meeting theme, “Sustainability in a Changing World,” will be the core of programming. Sessions for the planned hybrid meeting will be held in Chicago, IL, and virtually, August 21-25, 2022. Those who wish to submit an abstract will have the option of selecting a virtual or in-person presentation format during the abstract submission process.

ACS Meetings & Expositions bring together chemistry professionals, educators, and students worldwide to discover and share research, network, and advance careers. These meetings are an excellent opportunity for professionals and students to showcase their work and connect with colleagues in all areas of chemistry.

While ACS Fall 2022 is planned as a hybrid event, we continue to carefully monitor the situation relative to the COVID pandemic and its potential impacts on the meeting.

Please visit the [meeting website](#) to find a list of the programming divisions and planned symposia that are open for submissions. **The deadline to submit abstracts is Monday, March 14, 2022.**

Looking for Electronic Versions of *The Midland Chemist*

Mark Jones, Director and 2020 Chair, Midland Section ACS

Electronic versions of *The Midland Chemist* are available back to the year 2000, but some of those issues are missing. Anyone having electronic versions of past issues of *The Midland Chemist* is asked to notify webmasters@midlandacs.org. Please see midlandchemist.org for the missing issues.

Specifically, three issues of *The Midland Chemist* are missing from the electronic archive: March 2004, October 2010, and December 2010.

MSU St. Andrews Family Astronomy Nights via Zoom

Clare Light, Project/Event Coordinator, MSU St. Andrews

MSU St. Andrews has Virtual Family Astronomy Night events scheduled for February, March, and April. For more information and upcoming event dates, please visit: [Family Astronomy Night - MSU St. Andrews](#)

Astronomy: How Our Calendar Came to Be

Wednesday, February 2, 2022, at 7:00 PM EST via Zoom



Why don't days, weeks, months, or years divide evenly? Why do our months have different numbers of days? Were you aware that most days (sunrise to sunrise) are NOT 24 hours long? Or that the equinox does NOT have equal 12-hour day and night times? Have you heard that, even within the modern western world, different calendars were used for centuries which did not agree on what date it was, or even what year? Why do we have regular leap years—and then skip some of those anyway? Why do we have leap seconds? Why is December (the name means 10th) the 12th month? Why does the new year start on January 1st? (For most of history—it didn't!) Did you know that Halloween, and even Ground Hog's Day (which is Wednesday, February 2), are astronomically determined dates? Plus—what are the planets and constellations doing this month? Join us by Zoom to learn more!

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

[Register Here](#)

Join us for a presentation focused on the modern western calendar. We will show you how ancient civilizations measured things like the length of a month or a year and determined the cardinal directions N, S, E, and W (did you know that directions are based on astronomy, not the compass?), with great precision, all without the use of telescopes or even clocks. You can make these measurements yourself! We will follow the development of the calendar as it changed through time: sometimes improved, sometimes not so much. Along the way, we will provide answers to all the questions raised above. Finally, our monthly technology update will focus on the recent activity of our sun.

And, as always, we will show you how to find many fun things in the sky this month. Have you noticed that one part of the winter sky features more of the brightest stars than any other season? Do you know how to use Orion as a pointer system to locate many other stars and constellations? Were you aware that four bright planets will be lined up in the morning sky this month? We will help you see all of these things for yourself.

Announcing the 2022 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

The date for the 31st annual American Chemical Society Midland Section Spring Awards Banquet has been set for Wednesday, May 4, at the Great Hall Banquet & Convention Center in Midland, when we will, again, be recognizing outstanding educators, volunteers, and colleagues that you will have graciously taken the time to nominate.

Let's make this event a unique one since it is on May the 4th. Hmm ... should I host this awards event as Darth Vader ... or Chewbacca? Maybe another Wookiee, or Obi-Wan? *"Oh, my dear friend(s) ... how I've missed you"* – C3PO.

I promise, Star Wars garb is optional ... we usually opt for business casual. Because there have been no awards banquets the last two years due to COVID, I will extend an invitation to the 2020 and 2021 award recipients to allow them to be recognized in front of an audience of their fellow science people and peers, too.

The awards banquet is a great way to connect with others in chemistry and the related sciences. We will recognize students and those in education and industry, ... those who have gone before us, those who teach the next generation, and those who will be following in our footsteps. Please consider joining us for a night of good food and great fun!

As always, my goal is to have a representative outstanding student from each high school in the Midland Section area and to have a nominee for each award offered this year. I am counting on your help to make this happen as I know that we have very deserving people in every category! *"There's always a bigger fish"* – Qui-Gon Jinn.

The process of nominating is very easy. The minimum submission criteria for nominations are a quality nominating letter extolling the virtues of your nominee and supporting the criteria of the award, along with one supporting letter of recommendation (two letters are even better). Consider getting your colleagues together for lunch and putting together a packet. If you are in a managerial role and are worried about favoritism, consider nominating 2-3 qualified persons (you will remain anonymous, if required, and nominations are considered for three years). If you would like to be considered for an award, there is the option to self-nominate. If you are a parent, consider nominating your child's outstanding science or chemistry teacher, or a science volunteer you know. *"Fear is the path to the dark side"* – Yoda.

It only takes about one hour to put together an award-winning letter and an additional 15 minutes soliciting supporting letters. Think of what it will mean to that person and how good you will feel about your good deed. *"Do, or do not ... there is no try"* – Yoda.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one supporting letter in addition to your letter of nomination, all stating why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and outside affiliations.

It is highly recommended that the nomination includes a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards chair via e-mail. *"A cause that was worth it"* – Cassian Andor.

I have listed previous award recipients at the end of this article as nominees must not have received the award that they are being nominated for within the past 10 years. Nominations not meeting the minimum requirements, and submissions received after the March 25, 2022, deadline, will not be considered. *“Now I have nothing” – Maul.*

For those of you sequestered in labs who feel you might not be able to attend unless you nominate someone, I say save the date and come on out for a night of food, fun, and fraternization! Watch for more detailed information right here in *The Midland Chemist*! *“I chose to live for my people” – Riyo Chuchi.*

As always, contact me if you have any questions: Diana Deese, Midland Section ACS Awards Committee Chair (dkdeese@dow.com). *“I am no Jedi” – Ahsoka Tano.*

Call for Nominations: 2022 Teaching, Volunteer, Education, Chemical Sciences Awards ***Diana Deese, Awards Committee Chair, Midland Section ACS***

Each year, the Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the chemical sciences. Nominations for the 2022 awards are invited for the following areas:

- Outstanding Elementary Level Science Teaching
- Outstanding Middle Level Science Teaching
- Outstanding High School Chemistry Teaching
- Outstanding College Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering ***(Not offered this year; awarded every other year)***
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Outstanding Chemical Technician
- Outstanding High School / College Chemistry Students
- Team Innovation Award

Outstanding Science / Chemistry Teaching Awards

Candidates for the teaching awards must be educators at schools in the five-county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland, and Saginaw Counties. One candidate will be recognized for their teaching contributions in each of the following categories: Elementary, Middle Level, High School, and College.

Science Education Volunteer of the Year

The Science Education Volunteer of the Year award is presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts.

Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering ***(Not offered this year; awarded every other year)***

This award recognizes a person or group residing in Midland, Bay, Saginaw, Isabella, or Gratiot County for outstanding achievement in enhancing the participation of under-represented groups in the study of chemistry, related sciences, and engineering. The nomination must come from a Midland Section ACS member. The

criteria for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section Inclusion and Diversity Committee are ineligible to receive this award.

Outstanding Achievement and Promotion of the Chemical Sciences

Each year the Midland Section honors an individual residing within the Section's geographical area who has demonstrated outstanding achievement and promotion of the chemical sciences. This award recognizes dedication and service to the chemical profession, but the recipient need not be an ACS member.

Outstanding Service to the American Chemical Society

The Section sponsors an annual award to recognize outstanding service to the Midland Section of the ACS. This award recognizes achievement in the promotion of the goals and objectives of the Society. Nominees shall be members of the Midland Section. Nominations should include a history of service to the Midland Section and supporting letters from fellow ACS members.

Outstanding Chemical Technician

The Section presents an annual Outstanding Chemical Technician Award to an individual who has demonstrated an extremely high degree of professionalism as a chemical technician. Nominees must have worked for five years as a chemical technician, or in a related field, and whose primary job includes conducting experimentation or correlating information to help solve chemical problems or discover new chemical knowledge. The nominee must have successfully completed a two-year post-high school level chemistry curriculum leading to an associate degree, the equivalent course in a baccalaureate program, or equivalent experience. Chemical technicians do not need to be an ACS member to be eligible for this award. Nominations should include outside affiliations. *Request the National ACS nomination form from the awards chair to nominate in this category.*

Outstanding High School / College Chemistry Students

The Awards Committee also recognizes outstanding chemistry students at the high school and collegiate levels. Those students should be selected by their respective departments, and their names forwarded to the Awards Committee using the form attached to this call for nominations. One selection per school; no supporting letters are needed.

Team Innovation Award

Up to three awards per year recognizing the teams responsible for successful, commercialized product or process innovation taking place in the Midland Section area within the current or previous two calendar years. One award will be reserved for organizations with less than 300 employees. ACS membership is not required. Nominations will be judged on inventiveness, impact (economic, environmental, societal), and connection to the Great Lakes Bay Region. Work done outside the area will be considered provided that the contributions of Midland area-based team members are significant. Press releases or other public announcements are expected to be included with the nomination packets for commercialized products or processes (support letters from company leadership will be accepted in lieu of press releases). A \$60 submission fee is required for each team innovation award nomination.

Recipients of all awards will be selected by the Awards Committee with the exception of the Outstanding Achievement and Promotion of the Chemical Sciences award which is submitted to the Midland Section ACS

Executive Committee for approval. Nominators should write a letter indicating the award and describing the attributes of the candidate.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one supporting letter in addition to your letter of nomination, all stating why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and outside affiliations. It is highly recommended that the nomination includes a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators.

The deadline for nominations is Friday, March 25, 2022. Nominations not meeting the minimum requirements, and submissions received after the March 25 deadline, will not be considered. Mail or fax submissions are acceptable; *electronic (e-mail) submissions are preferred*. All submissions must be accompanied by the name, position, address, and phone number of the nominator.

Award recipients as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members will be honored with certificates or plaques at the 2022 ACS Spring Recognition Dinner at the Great Hall Banquet & Convention Center, in Midland, on Wednesday evening, May 4, 2022. These individuals will also be featured in a follow-up article in *The Midland Chemist*.

The Awards Committee greatly appreciates the efforts involved in nominating someone, and wishes to thank you for helping to recognize deserving students, colleagues, and educators in our local section. Please pass this information along to anyone involved in our local science programs!

Now that you realize how exciting it is to nominate someone at the local level and you want to do more, I invite you to peruse the veritable cornucopia of awards that the American Chemical Society offers at the national level. I have listed the web addresses where you can find out more information relative to each award and the criteria for nomination. Now is the time to begin nominations for National ACS awards for 2022-2023 as most annual reviews have a deadline of around November 1.

For example nominations or more detail on any award, please contact Diana Deese. *Electronic submissions are acceptable and preferred.*

Diana K. Deese, Chair, Midland Section ACS Awards Committee, Phone: (989) 636-9915, E-mail: dkdeese@dow.com or awards@midlandacs.org





American Chemical Society – Midland Section

Nomination Form for 2022 Outstanding High School / Collegiate Chemistry Student

(Note: One nominee per school, please)

Dept. Chair or other Nominator: _____

Telephone number: _____

E-mail address (required): _____

School: _____

Student's name: (Mr./Ms.) _____
(Indicate) (Please print legibly)

Home address: _____

Telephone number: _____

E-mail address (required): _____

Student's career/postgraduate plans (if known):

Please return this form to the following address no later than **March 25, 2022**:

Diana K. Deese, ACS Awards Committee Chair, Midland Section

Phone: (989) 636-9915 E-mail: dkdeese@dow.com

Previous Recipients of Midland Section ACS Awards

Diana Deese, Awards Committee Chair, Midland Section ACS

Elementary Level Science Education

1992	Karen Ziemelis
1993	Lela Wade
1994	Constance A. Dullock
1995	Joan Klopac
1996	Mark Hackbarth
1997	Denise Koppleberger, Cheryl Ruthig
1998	Barbara McGivern
1999	John Clark
2000	Sue Burtch, Robin Harshman-Rogers, Vicki Richard, Clare Jorgensen
2001	Cathy Egerer, Amy Hindbaugh-Marr
2002	Maureen Becker
2003	Leon Katzinger
2004	Joan Roels
2005	Curt Moses
2006	Robin Allen
2007	Diane Huckins
2008	Rachel Pappas
2009	No Recipient
2010	No Recipient
2011	Beth Quimby
2012	No Recipient
2013	No Recipient
2014	No Recipient
2015	Molly Kelsey
2016	No Recipient
2017	Rebecca Field
2018	Suzanne Billette
2019	Nicole Roberts
2020	Amy Crosby
2021	No Recipient

Middle Level Science Education

1992	Derrell Steffen
1993	Laurie Hepinstall
1994	JoAnn Kraut
1995	No Recipient
1996	Barbara J. Bibbee
1997	Gary J. Johnson
1998	No Recipient
1999	No Recipient
2000	No Recipient
2001	No Recipient
2002	Joel Mikusko
2003	No Recipient
2004	Christine Brillhart
2005	No Recipient
2006	Matthew Miller
2007	John Hoving
2008	Mark Koschmann
2009	Carla Piazza
2010	Melinda Coyle
2011	Jennifer Lenon
2012	Jayne Swanson
2013	John Barnes
2014	No Recipient
2015	Mark Hackbarth
2016	No Recipient
2017	Allison Vandriessche
2018	No Recipient
2019	Darci Merillat
2020	No Recipient
2021	No Recipient

High School Chemistry Teaching

1989	Robert Wallace
1990	Gary Ronk
1991	No Recipient
1992	John Clark, Edna Konwinski
1993	Mary Irons
1994	Jo Ann Pelkki
1995	No Recipient
1996	Sandra Schafer
1997	Mary Fredell
1998	Dale Ressler
1999	Robert Enszer
2000	Steven Kelly
2001	William Stokes
2002	Robert Hansen
2003	No Recipient
2004	Doug Grezeszak
2005	Pamela Thompson
2006	Daniel Sealy
2007	No Recipient
2008	No Recipient
2009	Nancy Vossen
2010	Sandra Schafer
2011	David Allan
2012	David Bruessow
2013	Tom Short, Sarah Beery
2014	No Recipient
2015	Jeff Yoder
2016	Lisa Parsons
2017	Kenneth Quackenbush
2018	Jason Brown
2019	Rick Cahoon
2020	No Recipient
2021	No Recipient

College Chemistry Teaching

1989	Joan Sabourin	2001	Sandra Smith	2013	No Recipient
1990	Bob Howell	2002	Margaret Hill	2014	David Baker
1991	Robert Kohrman	2003	Dale Meier	2015	Estelle Lebeau
1992	Scott Hill	2004	Katherine Blystone	2016	Angela McGuirk
1993	Ajit Sharma	2005	Ronald Sharp	2017	Joel & Nancy Dopke
1994	Laura Vosejpka	2006	Arthur G. Smith	2018	No Recipient
1995	George Eastland	2007	Cynthia N. Peck	2019	Jeffery A. Turk
1996	Martin Spartz	2008	No Recipient	2020	Choon Young Lee
1997	Philip Squattrito	2009	No Recipient	2021	Janice Hall Tomasik
1998	Thomas Delia	2010	Anton Jenson		
1999	Steven E. Keinath	2011	No Recipient		
2000	James Hutchison	2012	David S. Karpovich		

Science Education Volunteer of the Year

1992	Gregg Young	2003	John Blizzard	2014	Charles Nielsen
1993	Peter Bonk	2004	Jan Zanyk	2015	Gina Malczewski
1994	Peter Moehs	2005	Eldon Graham	2016	Dennis Klipa
1995	Gretchen Kohl	2006	Tom Chamberlin	2017	Nalayini Kogulan
1996	John Blizzard, Richard Van Effen	2007	Teri Bickmore, Cal Goeders	2018	Wendell Dilling
1997	Marvin Tegen	2008	Tim Drier	2019	Jennifer Reil
1998	Carlton Beyer	2009	Dave Stickles	2020	Michelle Rivard
1999	William Albe	2010	Lisa Thackery	2021	Brett Zimmerman
2000	Karol Childs	2011	Charles & Barbara Roth		
2001	Donald Petersen	2012	Estelle Lebeau		
2002	Joan McMahon	2013	No Recipient		

Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering

(Awarded every other year)

2002	George Gant, Richard Stringfield	2010	Theophilus Leapheart	2019	Karen Carter (CERM Award)
2004	Smallwood Holoman, Jr.	2012	Linneaus Dorman	2020	Anja Mueller
2006	Joan Sabourin	2014	Victor Atiemo-Obeng		
2008	Sandra Parker	2016	Roland Wallace		

Outstanding Chemical Technician

1997	Connie J. Murphy	2007	Debbie Bailey	2017	Stephanie Hughes
1998	David Stickles	2008	Sue Perz	2018	Joseph Harris
1999	Ronald L. Good	2009	Diana Deese	2019	Weston Tulloch,
2000	Kurt A. Bell	2010	No Recipient		Matthew Yonkey
2001	Gordon R. Roof	2011	Amy Tesolin-Gee	2020	Heidi Clements
2002	Cynthia J. Gould	2012	Amber Wallace	2021	Scott Boelter,
2003	Robert Krystosek	2013	No Recipient		Nicholas A. Paulik,
2004	Sherry Allen	2014	Jeff Seifferly		Matt McLaughlin
2005	Bill Rievert	2015	Brian Scherzer		
2006	Margo Mclvor	2016	Dana Fuerst		

Outstanding Achievement and Promotion of the Chemical Sciences

1976	Dr. Turner Alfrey, Jr.	1992	Dr. Donald A. Tomalia	2008	Dr. Jack Kruper
1977	Dr. Etcyl H. Blair	1993	Dr. Dale J. Meier	2009	No Recipient
1978	Dr. David C. Young	1994	Dr. Philip T. Delassus	2010	No Recipient
1979	Dr. Vernon A. Stenger	1995	Dr. Duane B. Priddy	2011	Dr. James Falender
1980	Dr. Daniel R. Stull	1996	Dr. Hans G. Elias	2012	No Recipient
1981	Dr. Bob A. Howell	1997	Dr. Ludo K. Frevel	2013	No Recipient
1982	Dr. Wendell L. Dilling	1998	Dr. Patrick B. Smith	2014	No Recipient
1983	Dr. Donald R. Weyenberg	1999	Dr. David E. Henton	2015	Dr. James Tonge
1984	Dr. Edwin P. Plueddemann	2000	Dr. Steven J. Martin	2016	Dr. Ronda L. Grosse
1985	Dr. Raymond P. Boyer	2001	Dr. Edwin C. Steiner	2017	Dr. Mike Ferritto
1986	Stanley P. Klesney	2002	Dr. Thomas J. Delia	2018	No Recipient
1987	Dr. Warren B. Crummett	2003	Dr. Robert M. Nowak	2019	Dr. Jerzy Klosin
1988	Dr. A. Lee Smith	2004	Herbert D. (Ted) Doan	2020	Dr. Chris Goralski,
1989	Dr. Do Ik Lee	2005	Dr. Michael J. Owen		Dr. Brad Fahlman
1990	Dr. Joseph E. Dunbar	2006	Dr. Robert E. Kohrman	2021	No Recipient
1991	Dr. Thomas H. Lane	2007	Dr. Petar R. Dvornic		

Outstanding Service to the American Chemical Society

1989	Dr. David C. Young	2001	Dr. George W. Eastland, Jr.	2013	No Recipient
1990	Dr. Linneaus C. Dorman	2002	Joan Sabourin	2014	No Recipient
1991	Dr. Donald R. Petersen	2003	John Blizzard	2015	Amy Tesolin-Gee
1992	Dr. Wendell L. Dilling	2004	Dr. Steven E. Keinath	2016	Dr. Bob A. Howell
1993	Dr. Bob A. Howell	2005	Ann Birch	2017	Diana Deese
1994	Eldon L. Graham	2006	Dr. Philip Squattrito	2018	Dr. Regina Malczewski
1995	Gretchen S. Kohl	2007	David L. Stickles	2019	Dr. Dale LeCaptain
1996	Fran K. Voci	2008	Connie Murphy	2020	No Recipient
1997	Dr. Thomas H. Lane	2009	No Recipient	2021	Michelle Cummings
1998	Vicky S. Cobb	2010	No Recipient		
1999	Dr. Theodore E. Tabor	2011	No Recipient		
2000	Drs. Peter & Patricia Dreyfuss	2012	No Recipient		

Team Innovation Awards

2020	Dow Consumer Solutions: Hand Sanitizer for COVID-19 Response Dow Performance Silicones: SILASTIC™ Moldable Optical Silicone Impact Analytical: Leachable and Extractable Studies
2021	DuPont Nutrition and BioSciences: Increased Capacity for the Growing Meat-Alternative Vegetarian Market

Additional, Special Awards

2016	Corporate Leadership Award	Andrew N. Liveris	Dow Chemical Company
2017	Special Recognition (Kaliapparatt)	Steven E. Keinath	Michigan Molecular Institute (retired)
2018	Special Recognition (Through a Different Lens)	Thomas H. Lane	Dow Corning Corporation (retired)
2019	Special Recognition (Chair, 2019 CERM)	Dimi Katsoulis	Dow
2019	Special Recognition (Chair, 100th Anniv. Cmte.)	Gina Malczewski	Dow Corning Corporation (retired)
2019	Special Recognition (Hospitality Star)	Emily Deese	Michigan State University
2019	Special Recognition (Section Centennial Cert.)	David Young	Dow Chemical Company (retired)
2019	MI Governor's Senior Volunteer Service Award	Gina Malczewski	Midland Section ACS

Midland Section ACS Salutes to Excellence Awards

2001	Thomas Lane
2005	Water Warriors (Ogemaw Heights High School), Eldon L. Graham, Chris Powley, Debra Green, Anne DeBoer, Richard Anderson, Max Bottomley, Harold Moll, Russel Tree, Jr.
2006	Norman Delisle, John Safranski, Jr., Richard Anderson, Max Bottomley
2008	Harold Moll, Russel Tree, Jr., Norman Delisle, John Safranski, Jr.
2009	Saginaw Spirit Hockey Club, Bob Moyer, Nancy Vossen, Vicki Behe, Steve Gribble
2010	Linda K. Dielman
2013	David Allan
2015	Sue Perz, Anatoliy Sokolov, Jaime Curtis-Fisk, Aaron Gaertner
2016	Dow Corning Corporation, Cassie Phaner, Wendy Flory, Gretchen Kohl, Diana Deese
2017	Mike Garlick (Dr. Slime), Michael Tulchinsky, Adrienne Cole, Brian Brutyn, Sean V. Murray
2018	Dorian Phelps, John Blizzard, Tim Drier, Art Ferruzzi
2019	John Metcalf, Jay Martin, Valentina Woodcraft, Clifford Todd, Patrick Smith, Bernadette Harkness A.N. Sreeram, Congressman John Moolenaar (CERM presentations)

Mid-Michigan Technicians Group (MMTG) Outstanding Chemical Technology Student

1998	Rebecca Hall	2007	Laura Jaska	2016	Dave Starr
1999	Debbie Beuthin	2008	Gerald Rupprecht	2017	No Recipient
2000	Sara Shinavar	2009	Kyle Krauseneck	2018	Calyx Moore
2001	Dana Bitzer	2010	No Recipient	2019	Lindsay Alarie
2002	Sarah Bottke	2011	David Gutowski	2020	Elizabeth Bilicki
2003	No Recipient	2012	Jeremy Marchand	2021	No Recipient
2004	Fred Jackson	2013	Chadwick Roland		
2005	Chris Eicher	2014	James Nemeth		
2006	Phillip Jerewski	2015	Kelly Setula		

ACS National Awards for 2022–2023 Nomination

Diana Deese, Awards Committee Chair, Midland Section ACS

Editor's note: Several Midland Section ACS members have received various National ACS awards over the years. Please see their names, as noted, below.

[ACS Award for Achievement in Research for the Teaching and Learning of Chemistry](#)

[ACS Award for Affordable Green Chemistry](#)

2012 William J. Kruper

[ACS Award for Computers in Chemical and Pharmaceutical Research](#)

[ACS Award for Creative Advances in Environmental Science and Technology](#)

1986 Eugene E. Kenaga

[ACS Award for Creative Invention](#)

1984 Edwin P. Plueddemann

[ACS Award for Creative Research and Applications of Iodine Chemistry](#)

[ACS Award for Creative Work in Fluorine Chemistry](#)

[ACS Award for Creative Work in Synthetic Organic Chemistry](#)

[ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry](#)

[ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences](#)

[ACS Award for Encouraging Women into Careers in the Chemical Sciences](#)

[ACS Award for Research at an Undergraduate Institution](#)

[ACS Award for Team Innovation](#)

2015 Ryan Gaston, James R. Keenihan, Abhijit A. Namjoshi, Stephen Pisklak, Jason A. Reese

2017 Robert A. DeVries, Philip Garrou, Carol E. Mohler, Theodore M. Stokich, Jr., Eric S. Moyer

[ACS Award in Analytical Chemistry](#)

[ACS Award in Applied Polymer Science](#)

1970 Raymond F. Boyer

[ACS Award in Chromatography](#)

1991 Hamish Small

[ACS Award in Colloid Chemistry](#)

[ACS Award in Industrial Chemistry](#)

2022 Jerzy Klosin

[ACS Award in Inorganic Chemistry](#)

[ACS Award in Organometallic Chemistry](#)

[ACS Award in Polymer Chemistry](#)

1973 Turner Alfrey, Jr.

[ACS Award in Pure Chemistry](#)
[ACS Award in Separations Science and Technology](#)
[ACS Award in Surface Chemistry](#)
[ACS Award in the Chemistry of Materials](#)
[ACS Award in Theoretical Chemistry](#)
[Award for Volunteer Service to the American Chemical Society](#)
[Roger Adams Award in Organic Chemistry](#)
[Alfred Bader Award in Bioinorganic or Bioorganic Chemistry](#)
[Earle B. Barnes Award for Leadership in Chemical Research Management](#)

1987 Malcolm E. Pruitt
2009 Gregg A. Zank
2014 William F. Banholzer

[Ronald Breslow Award for Achievement in Biomimetic Chemistry](#)
[Herbert C. Brown Award for Creative Research in Synthetic Methods](#)
[Alfred Burger Award in Medicinal Chemistry](#)
[James Bryant Conant Award in High School Chemistry Teaching](#)
[Arthur C. Cope Award](#)
[Arthur C. Cope Scholar Awards](#)
[Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator](#)
[F. Albert Cotton Award in Synthetic Inorganic Chemistry](#)
[Peter Debye Award in Physical Chemistry](#)
[Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry](#)
[Francis P. Garvan - John M. Olin Medal](#)
[James T. Grady - James H. Stack Award for Interpreting Chemistry for the Public](#)
[Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator](#)
[Ernest Guenther Award in the Chemistry of Natural Products](#)
[Kathryn C. Hach Award for Entrepreneurial Success](#)
[M. Frederick Hawthorne Award in Main Group Inorganic Chemistry](#)
[E. B. Hersberg Award for Important Discoveries in Medicinally Active Substances](#)
[Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids](#)
[Ralph F. Hirschmann Award in Peptide Chemistry](#)
[Ipatieff Prize](#)
[Frederic Stanley Kipping Award in Silicon Chemistry](#)
1990 John L. Speier, Jr.
[Irving Langmuir Award in Chemical Physics](#)
[Josef Michl ACS Award in Photochemistry](#)
[E. V. Murphree Award in Industrial and Engineering Chemistry](#)
[Nakanishi Prize](#)
[Nobel Laureate Signature Award for Graduate Education in Chemistry](#)
[James Flack Norris Award in Physical Organic Chemistry](#)
[George A. Olah Award in Hydrocarbon or Petroleum Chemistry](#)
[Charles Lathrop Parsons Award](#)
[George C. Pimentel Award in Chemical Education](#)
[Priestley Medal](#)
[Glenn T. Seaborg Award for Nuclear Chemistry](#)
[Gabor A. Somorjai Award for Creative Research in Catalysis](#)
[George and Christine Sosnovsky Award for Cancer Research](#)

[Henry H. Storch Award in Energy Chemistry](#)
[E. Bright Wilson Award in Spectroscopy](#)
[Ahmed Zewail Award in Ultrafast Science and Technology](#)

Criteria and deadlines for the National ACS awards, and other grants and considerations, can be found at <http://www.acs.org/content/acs/en/funding-and-awards/awards/national/nominations.html>

The full list of National ACS awards by title can be found at <https://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic.html>

Midland Section Recipients of National, Division, and Regional ACS Awards ***Diana Deese, Awards Committee Chair, Midland Section ACS***

National ACS Fellows

2010	Wendell L. Dilling, Michael J. Owen
2011	Bob A. Howell, Thomas H. Lane, Connie J. Murphy
2013	Patrick B. Smith
2014	Janet M. Smith
2015	Gretchen S. Kohl
2016	Joan M. Sabourin
2017	Mark E. Jones
2018	Susan Beda Butts
2019	Jerzy Klosin, Regina Malczewski
2020	Christian T. Goralski
2021	Dimi Katsoulis (corrected 14 March 2022; Dimi's name did not appear in the released version)

National ACS Heroes of Chemistry

1999	Etcyl Blair, Ray Rigterink, Art Sexton
2000	L.C. Rubens
2015	David Devore, David Neithamer, Peter Nickias, Jasson Patton, James Stevens, David Wilson
2017	James Bohling, Stan Brownell

National ACS Helen M. Free Award for Public Outreach

2015	Regina Malczewski
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National ACS Local Section Outreach Volunteer of the Year Award

2014	Regina M. Malczewski
2015	Michelle L. Rivard
2016	Dave Stickles
2017	Diana Deese
2018	Michael Tulchinsky
2019	Lauren McCullough
2020	Dimi Katsoulis

National ACS Women Chemists Committee (WCC) Rising Star Award

2015	Jaime Curtis-Fisk
2017	Beata A. Kilos
2021	Heather Spinney

ACS Division of Business Development and Management Henry F. Whalen, Jr. Award for Excellence in Business Development and Management in the Chemical Enterprise

2018 Thomas Lane
2020 A.N. Sreeram

ACS Division of Chemical Technicians National Chemical Technician Award

2000 David L. Stickles
2001 Susan Youngs
2006 Robert Krystosek
2007 Margo McIver
2008 Janet Smith
2014 Diana Deese
2015 Jeff Seifferly
2018 Michelle Rivard
2021 Nita “Qiuyin” Xu

ACS Division of Industrial & Engineering Chemistry Applied Chemical Technology (ACT) Award

2014 Janet M. Smith
2017 Michelle Cummings

ACS Division of Industrial & Engineering Chemistry Early Career Fellow Award

2018 Beata Kilos

ACS Division of Professional Relations Henry Hill Award

2016 Thomas Lane

Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

2016 Thomas Lane (CERM, Covington, KY)
2019 Jim Fitterling (CERM, Midland, MI)

E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society

2013 Bob Howell (CERM, Mount Pleasant, MI)
2014 Patrick B. Smith (CERM, Pittsburgh, PA)
2019 Michelle Rivard (CERM, Midland, MI)

Commitment to Diversity and Inclusion Award – Midland Local Section Inclusion & Diversity Committee

2020 James Walker

Encouraging Women in the Chemical Sciences Award – Midland Local Section Women Chemists Committee

2019 Beata Kilos-Reaume

Shirley B. Radding Award – Santa Clara Valley Local Section

2015 Connie Murphy

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. **Few have responded to that call so far, and the fund today currently stands at just over \$72,000.** Please read more below about the history and purpose of this fund. Past scholarship recipients are often highlighted in issues of the *Midland Chemist*.



The application window for 2022 scholarships is currently open and will close on February 15, 2022. Please see [Midland Area Community Foundation Scholarship Application](#) for details about the online scholarship application process.

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.

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.

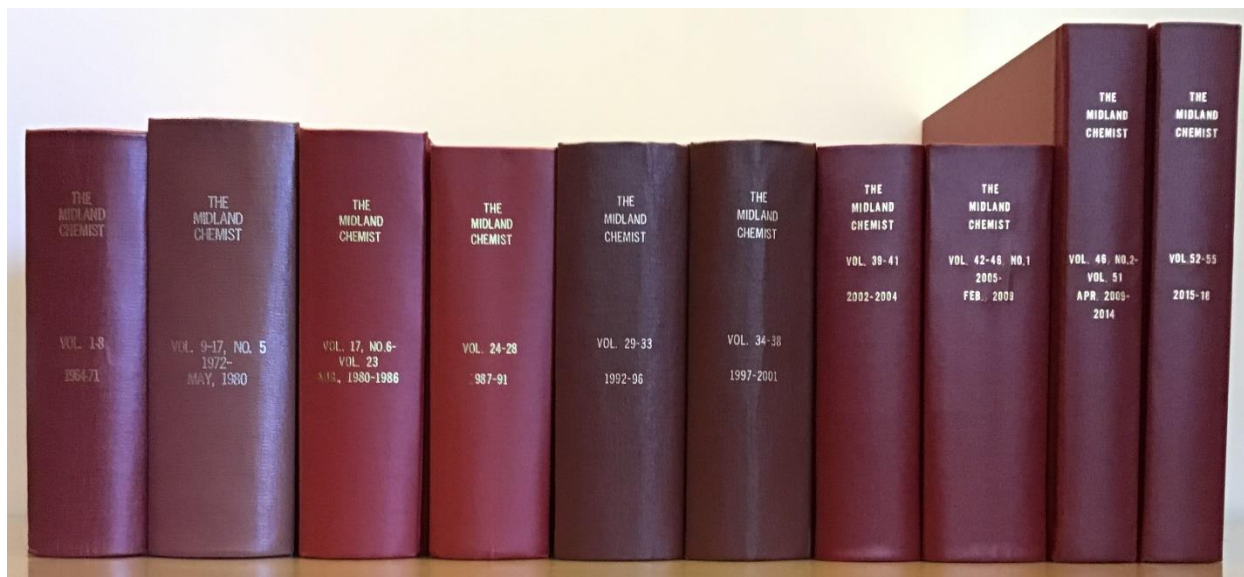
Wendell and Marcia Dilling, both trained chemists and stalwart supporters of our Local Section, are prepared to help us reach that goal by donating up to \$18,000 as part of a Challenge Grant to the Scholarship Fund, which currently stands at \$72,100. **They will match 1:1 any new contributions to the fund at the Midland Area Community Foundation over the next couple of years (\$18,000 X 2 + \$72,100 = \$108,100).**

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](#)

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



From these volumes . . .

50 Years Ago, *The Midland Chemist* 1972, 9, No. 1, 3.

In Local Organometallic Discussion Group

(In photo at meeting: Standing (left side) Sue Peters, Arlie Ulland, Jon Lipowitz; (right side) George Eastland, Bill Dennis and Jerry Gornowicz.)

“The Organometallic Discussion Group was formed In January, 1971. Ron Baney, George Eastland, Arnold Gatzke, Jerry Gornowicz, and George Shier were members of the original organizing committee. At the first meeting George Eastland was elected secretary-treasurer and certain rules were adopted. The main rules are as follows:

Any member of the Midland section may join the group.

Each member must give a seminar that does not cover work that he has done.

Five dollar dues are charged to cover the cost of refreshments.

Guests are welcome at all meetings.

The primary objective of the group is to increase the individual’s awareness of recent advances in organometallic chemistry.”

40 Years Ago, *The Midland Chemist* 1982, 19, No. 3, 2.

In Local Inventors Honored: “Two local scientists were recently honored for their creativity as inventors, by the Saginaw Valley Patent Law Association. Dr. John L. Speier received the Inventor of the Year Award, and Dr. J. Frank Hyde was granted the Fire of Genius Award, as part of the Association’s annual celebration of Inventors’ Week.

Dr. Speier holds about 70 patents for his inventions, including one for a process that chemically inhibits bacterial

growth. Currently a Senior Scientist at Dow Corning Corporation Speier has published more than 40 papers, and is one of the leading authorities in the area of silicone research.

Although retired now in Florida, Dr. Hyde received 87 patents during his career at Corning Glass and Dow Corning Corporation. He was involved in the area of silicone research in the early stages of its commercial application."

30 Years Ago, *The Midland Chemist* 1992, 29, No. 1, 9-10.

In *To Inc. Or Not To Inc.*: by Pat Dreyfuss, Chair, ad hoc Committee on Incorporation: "Almost all professionals (doctors, dentists, lawyers, ...) that one goes to see are incorporated. There clearly are advantages to incorporation where the potential for profit exists. Is there any reason for a nonprofit organization like the Midland Section of the ACS to incorporate?

Last year our Chairman formed an ad hoc committee to investigate this question. The committee had investigated and presented their findings to our Board of Directors. There are enough good reasons so that National ACS, many Divisions, 50% of all large Sections, and 11% of medium large Sections are incorporated. In November of last year our Board voted to proceed with the steps necessary to incorporate. Drafts of most of the necessary documents are completed and will soon be sent to National ACS for their scrutiny."

20 Years Ago, *The Midland Chemist* 2002, 39, No. 1, 6.

In *2002 Diversity Award, Call for Nominations* by Phil Squattrito: "This year, the Midland Section of the American Chemical Society will present the 'Promotion of Diversity in Chemistry, Related Sciences and Engineering Award' for the first time. This award will be presented biannually to a person or group residing in Midland, Bay, Saginaw, Isabella, or Gratiot County for outstanding achievement in enhancing the participation of underrepresented groups in the study of chemistry, related sciences, and engineering. The inaugural award will be presented at the 2002 Science Education Recognition Dinner on April 24, 2002, at the Dow 47 Building Cafeteria in Midland. Criteria for candidates for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section Minority Affairs Committee are not eligible to receive this award."

10 Years Ago, *The Midland Chemist* 2012, 49, No. 1, 5.

In *Midland Section to Host 2013 CRM* by Phil Squattrito, 2013 Central Regional Meeting Chair: "The 44th Central Regional ACS Meeting is being hosted by the Midland Section and will take place on the campus of Central Michigan University May 15-18, 2013.

The Midland Section last hosted the Central Regional meeting in 2006 in Frankenmuth. In recent years 600-1000 people have attended Central Regional meetings. Attendees are able to interact with a large number of other chemists from the region, which includes parts of Michigan, Indiana, Ohio, Kentucky, West Virginia, and Pennsylvania.

The organizing committee is actively seeking volunteers who are interested in helping with the planning of the 2013 Meeting. Committees include technical program, poster session, treasurer, program book editor, awards, fundraising, undergraduate program, exposition, publicity, web master, education program, and social activities. Volunteers are welcome in all areas, though we are particularly interested in identifying individuals who would be willing to maintain the meeting website (<http://2013cerm.sites.acs.org/>), coordinate publicity for the meeting, or assist with fundraising in the Midland chemical community."

Upcoming Dates, Events, and Other Updates

- February 2 (7:00 – 8:30 PM) – MSU St. Andrews Family Astronomy Night free virtual event. Presentation topic: Astronomy: How Our Calendar Came to Be. Please see <https://standrews.msu.edu/family-astronomy-night/> for more information about these ongoing monthly programs and to access prior archived presentations.
- February 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 [Webex Board Meeting - February 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- February 15 – **Deadline for applications for Midland Section ACS scholarships** available through the Midland Area Community Foundation (Fund #399). Please see [Midland Area Community Foundation Scholarship Application](#) for details about the online scholarship application process. For any questions, please contact Gina Malczewski at reginamalczewski@gmail.com or the Midland Area Community Foundation at 989-839-9661.
- March 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 [Webex Board Meeting - March 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- March 16 – Outreach presentation for CILC on Women in STEM. See website for more information: [Center for Interactive Learning \(cilc.org\)](#)
- March 20-24, 2022 – ACS Spring 2022 National Meeting and Exposition, San Diego, CA. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Bonding Through Chemistry*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- March 25 – **Deadline for Midland Section ACS Spring Awards nominations** to honor outstanding educators, volunteers, and colleagues. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- March 25 – “Girls’ Day Out” sponsored by Delta College. See website for more information: [Girls' Day Out - Delta College](#)
- April 4 (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 [Webex Board Meeting - April 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- April 24 (12:00 – 4:00 PM) – Outreach “Earth Day Expo” save the date.
- May 2 (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 [Webex Board Meeting - May 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- May 4 (5:30 – 9:00 PM) – Midland Section ACS Spring Awards Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: TBD. For more information or any questions, please contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- June 6 (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 [Webex Board Meeting - June 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- June 7-10, 2022 – Central Regional Meeting of the American Chemical Society, *Archaeometry to Zymurgy*, Ypsilanti, MI. For information visit [Central Regional Meeting](#).

- August 1 (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 [Webex Board Meeting - August 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- August 21-25, 2022 – ACS Fall 2022 National Meeting and Exposition, Chicago, IL. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Sustainability in a Changing World*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- 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 [Webex Board Meeting - September 2022](#), 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.**
- 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 [Webex Board Meeting - October 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- 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 [Webex Board Meeting - November 2022](#), 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 [Webex Board Meeting - December 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.

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