

# THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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## Chair Column

**Mark Jones, Chair, Midland Section ACS**



I just successfully used an alpine butterfly for the first time. The alpine butterfly is a knot that I just learned, useful because it places a sturdy loop in the middle of a rope. Scouting taught me how to tie a number of knots, now well over 50 years ago. I've spent 50 years unhappy with the knot I learned for placing a loop in the middle of a rope. The alpine butterfly does it quickly and is a good knot. The alpine butterfly, and my learning it, brings to mind two concepts that bear on the local ACS section and its members.

A good knot delivers performance. It holds and doesn't slip. Often overlooked, a good knot is easy to untie. A good knot can be undone effortlessly so that the rope can move on to the next challenge. A good knot is actually a commitment to contingency planning, recognition the knot is ephemeral. The Midland Fall Scientific Meeting is moving virtual thanks to Covid-19. Like a good knot, the planning committee is now unwinding the existing, in-person plans. I want to thank them for the hard work they've already done, offer my sympathies that their careful planning is largely scuttled, and thank them for the effort they are putting into making a great virtual meeting. I commend them for the contingency planning that is allowing them to pivot well. Like a good knot, they thought about how to untangle their efforts.

Learning a new knot after age 60 offers some hope that old dogs can learn new tricks. I put myself to the task of learning a better knot long after I should have. I've suffered the tedium of untying poorly configured loops in ropes for years. Many in the Midland Section are facing new challenges, not with rope, but with virtual meeting software.

Virtual tools are pushing many to learn new software. I implore you to rise to the challenge, just as I did with the alpine butterfly. These tools are well within reach of all and the Fall Meeting will rely on them as a strong foundation. There is a lot at stake.

I've grown tired of virtual meetings. The enjoyment I get from a live meeting just doesn't happen at a virtual one. I will, however, be attending the virtual Fall Scientific Meeting. Please join me, to make this a great virtual meeting. The meeting is one of the places that young researchers in our area get their first exposure presenting their results. All of us were once in their shoes. Science was our passion. We'd just worked really hard at understanding something new, not only new to us, but new to science. We had results and we wanted to share them. Let's not let this generation miss their opportunity. Don't let Covid wreck their opportunity.

If you are older, please recall your younger self and commit to attending the virtual Fall Scientific Meeting. If you are sick of virtual meetings, please rise above it. If you have exciting results to share, please submit them. The meeting will be Saturday, October 10. Let's make this an exceptional virtual meeting.

### **Continuing COVID-19 Pandemic Precautions**

***Amanda Palumbo and Gina Malczewski, Midland Section ACS***

As a precaution against the COVID-19 pandemic, and in compliance with best practices as advised by government agencies, a number of Midland Section ACS events will be hosted virtually only, postponed until further notice, or cancelled entirely.

Our committees have a selection of exciting networking and career development events coming up once the public health situation allows. Many thanks for your continued community support and partnership.

For the most up-to-date information on events and activities, please visit <http://www.midlandacs.org/>, or <https://www.facebook.com/MidlandACS.org/>.

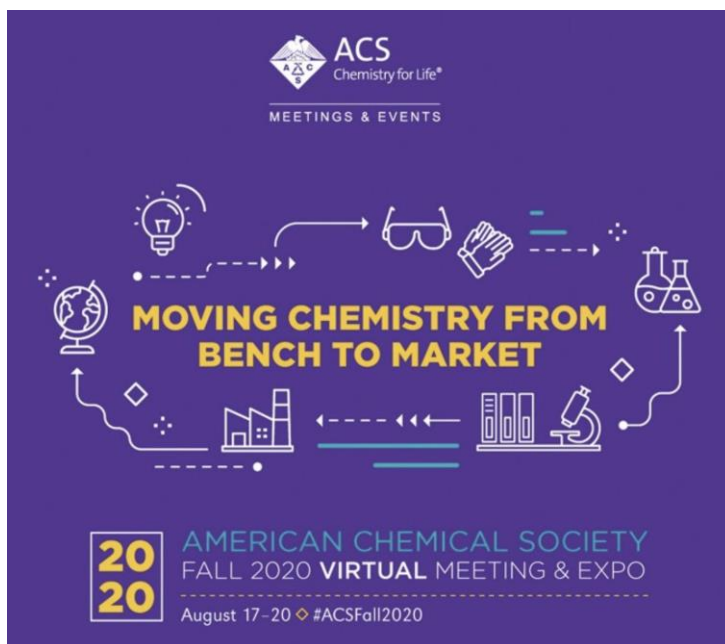
## Fall 2020 Virtual National ACS Meeting & Exposition

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

Editor's note: This article is reprinted, in part, from the June 30, 2020 issue of *Science Coaches/ACS Matters*, an online publication of the American Chemical Society.

As you may have already heard, the [ACS Fall 2020 Virtual National Meeting & Exposition](#) will be held entirely online, August 17–20, 2020, and you have the convenience of participating from the comfort of your own home.

- There will be more than **250 broadcast sessions**, live daily kickoffs, interactive poster presentations, and more. Gain access to cutting-edge research with the **over 5,000 papers scheduled to be presented**.
- We're hosting **virtual networking events** to help you **connect and share ideas** with your peers from around the world. In addition to **robust chat and messaging** features, **video rooms** will be available throughout the meeting for **deep-divide conversations** and social events.
- The **ACS Expo** is going virtual too! Meet and interact with exhibitors, make connections, and discover new technological developments.



**With so much content on demand, you don't have to miss a thing! Presentations will be available on demand anytime and anywhere around the world from August 17 through August 28, 2020.**

For more information, visit the [Virtual Meeting & Expo FAQs](#) page for ongoing updates. You can also stay in the loop by signing up to receive [National Meeting updates](#) by e-mail.

## Central Regional Meeting Rescheduled to November 2020

**CERM 2020 Organizing Committee, American Chemical Society**

The health and well-being of our members, attendees, and staff is paramount. As a result of the rapidly changing situation related to the spread of and recovery from the Coronavirus pandemic (COVID-19), we are rescheduling the [2020 Central Regional Meeting](#) (CERM) to November 2020.

Thus, the May 27-29 dates were cancelled for health and safety reasons. Please join the ACS Columbus Section as we reschedule to November 2020. A full refund of registration fees for the cancelled dates will be processed by the ACS.



We will continue to monitor and follow the state and national government safety guidelines to keep everyone safe. Thank you for your patience as we continue to "Plan with Optimism and Decide with Science" in approaching the rescheduled November 2020 event (dates to be published soon).

Please visit the [Central Regional Meeting website](#) for additional information, or reach out to us directly by e-mail at [reglmtgs@acs.org](mailto:reglmtgs@acs.org) for any questions. Again, please join us as we reschedule the May 2020 CERM meeting to November 2020 in Columbus.

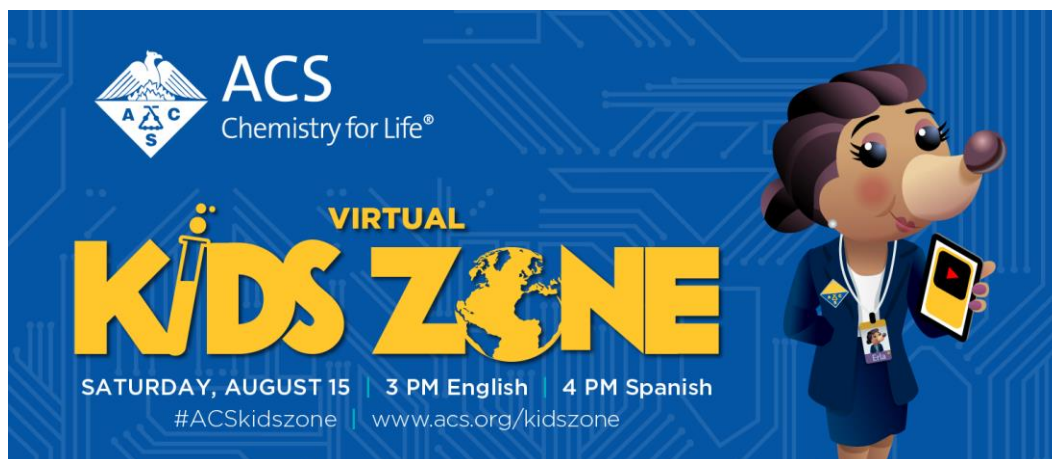
## Midland ACS Grants Two College Scholarships

**Gina Malczewski, Outreach Committee, Midland Section ACS**

Earlier this year, Midland ACS, through a fund sponsored at the Midland Area Community Foundation, awarded two scholarships to college students from our local Section area who are studying in chemistry-related fields at Michigan Universities. These students, Madison Carroll (Chemical Engineering, UM) and Hannah Bartels (Chemistry, UM) each received \$1500 for the 2020-2021 school year. Both are from Midland County. Students from all five counties are eligible.

Bonnie McManus, Denise Mason and Gina Malczewski comprised the committee that evaluated the six submissions. You can make a donation to the scholarship fund through MACF, and if you are interested in serving as the ACS member on the Scholarship Committee, please contact Gina at [reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com). We need to do more to publicize this opportunity!

**Virtual ACS Kids Zone Outreach Event, August 15**  
**Gina Malczewski, Outreach Committee, Midland Section ACS**



**Virtual ACS Kids Zone - A Presidential Outreach Event**  
**Fall 2020 Virtual National Meeting & Expo**  
**Saturday, August 15**

Explore the wonders of chemistry with the virtual Kids Zone science event featuring Miss Camille Schrier -- Miss America 2020 -- and more distinguished guests. Host Bibiana Campos Seijo, Editor-in-Chief of Chemical & Engineering News, will lead viewers through four different virtual hands-on activities conducted by popular STEM advocates.



This [#ACSKidsZone](#) event for ages 10+ will be offered in two languages.

3PM Eastern - Event in English

4PM Eastern - Event in Spanish

More information, including activity write-ups and educational resources, will be available in the coming weeks at [www.acs.org/kidszone](http://www.acs.org/kidszone). **Registration is required and event details will be sent to you via email 24 hours before the event begins.**

Website: [www.acs.org/kidszone](http://www.acs.org/kidszone)

Facebook event: [www.facebook.com/events/1622001711311663/](https://www.facebook.com/events/1622001711311663/)

For more information, contact [outreach@acs.org](mailto:outreach@acs.org)

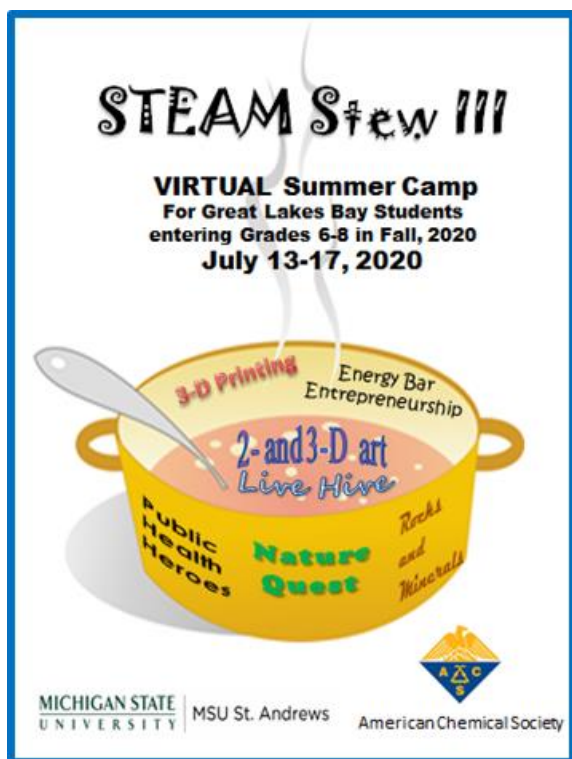


## A Digital STEAM Camp Tackles Summer Boredom

*Gina Malczewski, Outreach Committee, Midland Section ACS*

Thirty-one middle school students were accepted for the third annual STEAM Stew camp sponsored by Midland ACS and MSU-St. Andrews—but everything was virtual this year! The campers hailed mostly from the Great Lakes Bay area, but some attended from southern Michigan. The camp was free, with online presentations (by Zoom) from 9 am to approximately noon July 13-17, and some intermittent offline activities.

The technology, arranged by MSU, included notepads and hotspots (where necessary) that were loaned to campers already loaded with the apps needed for the week's activities: Google Classroom (GC), iNaturalist SEEK, and the "Solve the Outbreak" game from the Centers for Disease Control (CDC). ACS arranged for all the science content and collected all the necessary supplies, which were sent to students along with the tablets. All students also received a camp shirt (see design below).



Students learned 3-D printing virtually and wrote files to print objects (which will be made and sent to them soon). Victoria Zablocki of the Chippewa Nature Center presented on the chemistry of plants and taught them how to use the SEEK app to identify flowers, trees, grasses and other living objects. Their photos of local flora and fauna were stored in GC, along with nature art they did using solar paper.

Campers also experienced a "live hive" with entomologist Elly Maxwell of Dow Gardens, and learned all about bees, wasps—and even murder hornets! Another camp segment offered hands-on testing and categorization of rocks and minerals—followed by a mineral-inspired plaster casting project. Sandy LaPrad from the Midland County Health Department informed campers about what Public Health workers do, and they learned more through solving scenarios presented by the CDC game.

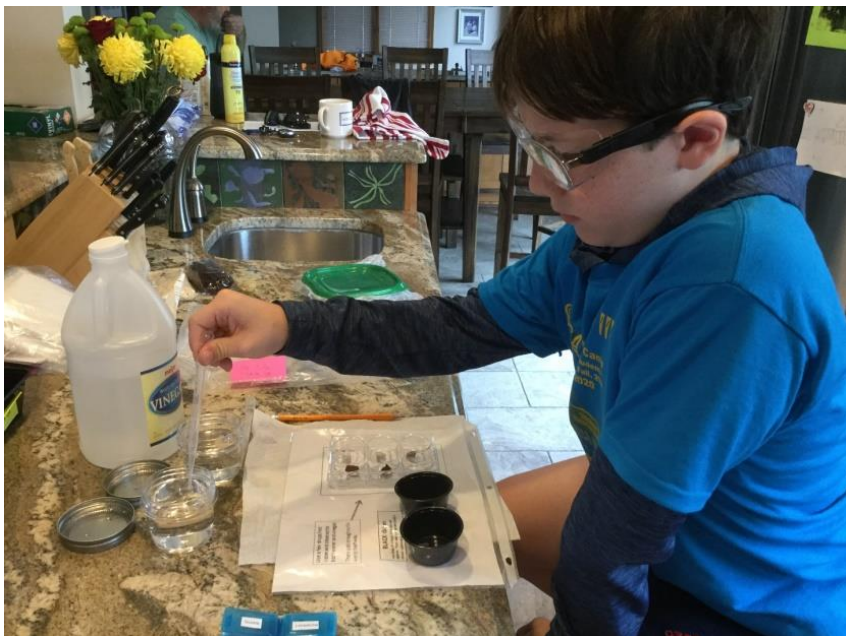
One recurring theme throughout the week was "Energy Bar Entrepreneurship"; students taste-tested commercial bars and rated them, learned about nutrition chemistry,

made their own simple bars by ACS recipes (from materials provided), chose their favorite, and developed promotion and packaging for this product based on guidance provided by MSU experts Dante Pirouz and Alyssa Harben. A competitive puzzle game reviewing the week's activities finished out the camp on Friday.

Parents were encouraged to supervise and follow along when possible; one commented: "It was wonderful to see [my son] engaged in the STEAM activities. The camp provided a terrific blend of diverse learning opportunities, incorporating many aspects of STEAM. [He] really seemed to enjoy the Energy Bar Entrepreneurship project which really showcased how all of these disciplines blend together in the real world. The camp was well organized and each presenter brought enthusiasm and knowledge to the camp."

There were many challenges involved in setting up and conducting the camp, not the least of which was keeping children engaged long-distance after almost a semester of on-line school. As notepads are returned and more feedback collected, we hope to use this experience to help us create options for the rest of 2020, as virtual learning—for now-- continues to replace in-person experiences.

We are grateful for the many ACS and MSU volunteers that helped with facilitation, technology, and supply-packing.



A STEAM Stew III camper performs some “Rocks, Minerals and Molds” activities at home with Zoom guidance. Photo by Mary McMaster.

**2020 Midland Section ACS Virtual Fall Scientific Meeting, October 10**  
**Anirudha Banerjee, 2020 Fall Scientific Meeting Chair, Midland Section ACS**

The 2020 Fall Scientific Meeting Committee is announcing that a virtual format meeting will be held this year.

**76th Midland Section ACS Virtual Fall Scientific Meeting: “Sticking with Chemistry”**

Date: Saturday, October 10, 2020

Registration: Please follow the Sign Up Genius link at [www.midlandacs.org](http://www.midlandacs.org)

Deadline: September 11, 2020

Abstract Submission: Please submit titles and 300-word abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com)

Deadline: September 4, 2020

Details of the virtual format meeting will be updated on [www.midlandacs.org](http://www.midlandacs.org). Please watch for updates, and please also see the Virtual Fall Scientific Meeting flyer below. We wish you and your family well!

The flyer features the ACS logo (a yellow diamond with 'A', 'C', 'S' and a triangle) and the text 'ACS Chemistry for Life®'. The title 'American Chemical Society Midland Section 2020 Fall Scientific Meeting' is in a blue banner. The main title 'Sticking with Chemistry' is in large blue font, followed by 'Virtual Meeting, October 10th, 2020' in yellow. Below this, a line of text states: 'Details of the virtual format will be updated on [www.midlandacs.org](http://www.midlandacs.org)'. Registration information is provided: 'Registration \* Follow the Sign Up Genius Link at <http://www.midlandacs.org/> \* Deadline: September 11, 2020'. Submission information follows: 'Submission \* Please Submit Title & 300 Word Abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com) \* Deadline: September 4, 2020'. The bottom section contains four images: a person in a lab coat holding a petri dish, a close-up of a honeycomb structure, a person in a lab coat working with a pipette, and the front of a Mercedes-Benz car. The footer text reads 'Sponsored by ACS Midland Section and SVSU Chemistry Club'.

ACS  
Chemistry for Life®

American Chemical Society Midland Section  
**2020 Fall Scientific Meeting**

**Sticking with Chemistry**  
**Virtual Meeting, October 10th, 2020**

Details of the virtual format will be updated on [www.midlandacs.org](http://www.midlandacs.org)

Registration \* Follow the Sign Up Genius Link at <http://www.midlandacs.org/> \* Deadline: **September 11, 2020**

Submission \* Please Submit Title & 300 Word Abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com) \* Deadline: **September 4, 2020**

Sponsored by ACS Midland Section and SVSU Chemistry Club



## Officers and Councilors of the Midland Section ACS, 1919-2019

**Robert E. Kohrman, Assistant Historian, and Wendell L. Dilling, Historian, Midland Section ACS**

### MIDLAND SECTION OF THE AMERICAN CHEMICAL SOCIETY 100TH ANNIVERSARY FEATURE

The Midland Section of the American Chemical Society celebrated its 100th anniversary last year. Many aspects of this celebration were highlighted in a seven-month exhibit at the Doan Midland County History Museum. Not included in the exhibit were the names of all the officers and councilors who served during those 100 years. These dedicated ACS members and many committee chairs and committee members plus corporate sponsors were responsible for all of the Midland Section's accomplishments. These accomplishments led to the Midland Section receiving many National ACS Outstanding Local Section Awards, 21 to date. This article lists the names of all the people who filled these positions.

On the occasion of the 75th anniversary of the Midland Section in 1994, one of us (REK) published a similar list along with comments about those who were the first of several categories to serve (*The Midland Chemist*, **1994**, 31, No. 7, 7-11, Oct. 21). Interested readers are invited to examine these comments, which will not be repeated here. One group not commented on before are those Section Chairs who served more than a single one-year term, including Herbert H. Dow, Thomas Griswold, Jr., Edgar C. Britton, Lawrence F. Martin, Laurence L. Ryden, David C. Young, Bob A. Howell, Thomas H. Lane, George W. Eastland, Jr., Gretchen S. Kohl, J. Patrick Cannady, and Regina M. Malzcewski.

Several Midland Section members have served for many years as councilors. They include:

|                    |                                 |          |
|--------------------|---------------------------------|----------|
| William J. Hale    | 1919-1932                       | 14 years |
| Edgar C. Britton   | 1933-1950                       | 18 years |
| Howard S. Nutting  | 1947-1965                       | 19 years |
| David C. Young     | 1960-1962; 1966-1983            | 21 years |
| Linneaus C. Dorman | 1971-1976; 1980-1981; 1984-1992 | 17 years |
| Wendell L. Dilling | 1976-1996                       | 21 years |
| Bob A. Howell      | 1993-1995; 1997-2014            | 21 years |

### MIDLAND SECTION ACS OFFICERS, 1919-2019

| Year (or Range) | Chairman              | Vice Chairman         | Secretary-Treasurer |
|-----------------|-----------------------|-----------------------|---------------------|
| 1919            | Herbert H. Dow        | Mark E. Putnam        | Chester C. Kennedy  |
| 1920-1921       | Herbert H. Dow        | Mark E. Putnam        | Chester C. Kennedy  |
| 1921-1922       | Edwin O. Barstow      | Mark E. Putnam        | John A. Gann        |
| 1922-1923       | Thomas Griswold, Jr.  | Ivan F. Harlow        | John A. Gann        |
| 1923-1924       | Ivan F. Harlow        | Ross Sanford          | John A. Gann        |
| 1924-1925       | Ross Sanford          | Charles J. Strosacker | E.C. Zuckerman      |
| 1925-1926       | Mark E. Putnam        | Willard H. Dow        | Kevin Smith         |
| 1926-1927       | Charles J. Strosacker | Willard H. Dow        | G.H. Cheney         |
| 1927-1928       | Willard H. Dow        | Edgar C. Britton      | A.W. Beshgetoor     |
| 1928-1929       | Edgar C. Britton      | Chester C. Kennedy    | Lawrence F. Martin  |

|           |                      |                      |                        |
|-----------|----------------------|----------------------|------------------------|
| 1929-1930 | Edgar C. Britton     | Chester C. Kennedy   | Lawrence F. Martin     |
| 1930-1931 | Thomas Griswold, Jr. | Gerald H. Coleman    | Lawrence F. Martin     |
| 1931-1932 | Lawrence F. Martin   | Thomas Griswold, Jr. | Leroy C. Stewart       |
| 1932-1933 | Lawrence F. Martin   | Leroy C. Stewart     | Shailer L. Bass        |
| 1933-1934 | Shailer L. Bass      | H. Avery Stearns     | Howard S. Nutting      |
| 1934-1935 | Howard S. Nutting    | Joseph W. Britton    | Wilfred M. Murch       |
| 1935-1936 | Wilfred M. Murch     | William H. Williams  | Joseph W. Britton      |
| 1936-1937 | Joseph W. Britton    | William R. Collings  | Don D. Irish           |
| 1937-1938 | Don D. Irish         | John J. Grebe        | George H. Coleman      |
| 1938-1939 | George H. Coleman    | Clare C. Schwegler   | Noland Poffenberger    |
| 1939-1940 | Noland Poffenberger  | Don D. Hall          | Raymond H. Boundy      |
| 1940-1941 | Raymond H. Boundy    | Howard J. Rupright   | J. Donald Hanawalt     |
| 1941-1942 | J. Donald Hanawalt   | Clare C. Schwegler   | John J. Grebe          |
| 1942-1943 | John J. Grebe        | Vernon A. Stenger    | H. Avery Stearns       |
| 1943-1944 | H. Avery Stearns     | Ralph P. Perkins     | Arthur J. Barry        |
| 1944-1945 | Arthur J. Barry      | Lewis R. Drake       | Ralph P. Perkins       |
| 1945-1946 | Ralph P. Perkins     | Forest C. Amstutz    | Lewis R. Drake         |
| 1946-1947 | Lewis R. Drake       | Earl L. Pelton       | Laurence L. Ryden      |
| 1947-1948 | Laurence L. Ryden    | Everett N. Luce      | Julius E. Johnson, Jr. |
| 1948-1949 | Laurence L. Ryden    | Everett N. Luce      | Julius E. Johnson, Jr. |

| Year   | Chairman                                    | Chairman-Elect        | Secretary             | Treasurer             |
|--------|---|-----------------------|-----------------------|-----------------------|
| 1949 * | Julius E. Johnson, Jr.                      | Ezra Monroe           | Melvin J. Hunter      | Donald E. Pletcher    |
| 1950   | Ezra Monroe                                 | Stevens S. Drake      | Melvin J. Hunter      | Donald E. Pletcher    |
| 1951   | Stevens S. Drake                            | Melvin L. Hunter      | Donald E. Pletcher    | J. William Hedelund   |
| 1952   | Melvin J. Hunter                            | William C. Bauman     | J. William Hedelund   | Eldon L. Graham       |
| 1953   | William C. Bauman                           | Donald E. Pletcher    | Eldon L. Graham       | Fred W. McLafferty    |
| 1954   | Donald E. Pletcher                          | Eldon L. Graham       | Fred W. McLafferty    | David C. Young        |
| 1955   | Eldon L. Graham                             | Fred W. McLafferty    | David C. Young        | Turner J. Alfrey, Jr. |
| 1956   | Fred W. McLafferty (6/56)<br>David C. Young | David C. Young        | Turner J. Alfrey, Jr. | Mark R. Kinter        |
| 1957   | David C. Young                              | Turner J. Alfrey, Jr. | Etcyl H. Blair        | John W. Gilkey        |
| 1958   | Turner J. Alfrey, Jr.                       | Etcyl H. Blair        | John W. Gilkey        | Rodney D. Moss        |
| 1959   | Etcyl H. Blair                              | John W. Gilkey        | Rodney D. Moss        | Joseph E. Dunbar      |
| 1960   | John W. Gilkey                              | Rodney D. Moss        | Ethan C. Galloway     | Robert W. Belfit      |
| 1961   | Rodney D. Moss                              | Ethan C. Galloway     | Robert W. Belfit      | Ogden R. Pierce       |
| 1962   | Ethan C. Galloway                           | Ogden R. Pierce       | Carleton W. Roberts   | W. Brock Neely        |
| 1963   | Ogden R. Pierce                             | Carleton W. Roberts   | Robert M. Wheaton     | Richard A. Hickner    |
| 1964   | Carleton W. Roberts                         | Robert M. Wheaton     | Donald R. Weyenberg   | Douglas A. Rausch     |
| 1965   | Robert M. Wheaton                           | Malcolm Chamberlain   | Douglas A. Rausch     | Kenneth L. Burgess    |
| 1966   | Malcolm Chamberlain                         | Donald R. Weyenberg   | Ramon F. Rolf         | Linneaus C. Dorman    |
| 1967   | Donald R. Weyenberg                         | Douglas A. Rausch     | Linneaus C. Dorman    | Gordon E. Hartzell    |

|      |  |                         |  |                       |
|------|--|-------------------------|--|-----------------------|
| 1968 | Douglas A. Rausch                          | Kenneth L. Burgess      | Gordon E. Hartzell                         | C. Elmer Wymore       |
| 1969 | Kenneth L. Burgess                         | Gordon E. Hartzell      | C. Elmer Wymore                            | Jack F. Mills         |
| 1970 | Gordon E. Hartzell                         | C. Elmer Wymore         | Jack F. Mills                              | Cecil L. Frye         |
| 1971 | C. Elmer Wymore                            | Jack F. Mills           | Sam A. Brady                               | Harold E. Doorenbos   |
| 1972 | Jack F. Mills                              | Donald R. Petersen      | John A. Schneider                          | Gary E. LeGrow        |
| 1973 | Donald R. Petersen                         | Gary E. LeGrow          | Carol Kleeman Tuttle                       | Mary Exner            |
| 1974 | Gary E. LeGrow                             | Alvin E. Bey            | Pamela W. Murchison                        | Christian T. Goralski |
| 1975 | Alvin E. Bey                               | John A. Schneider       | Bruce P. Thill                             | Jack P. Arrington     |
| 1976 | John A. Schneider                          | Bruce P. Thill          | Christian T. Goralski                      | Neal R. Langley       |
| 1977 | Bruce P. Thill                             | Christian T. Goralski   | James Brewbaker                            | Larry D. Kershner     |
| 1978 | Christian T. Goralski                      | Theodore E. Tabor       | Jerry D. DeVrieze                          | Robert L. Reiersen    |
| 1979 | Theodore E. Tabor                          | H. Franklin Stewart     | Ronald H. Baney                            | Jerry D. DeVrieze     |
| 1980 | H. Franklin Stewart                        | Jack P. Arrington       | William E. Dennis                          | Ronald W. Diesen      |
| 1981 | Jack P. Arrington                          | William E. Dennis       | David A. Dalman<br>George E. Hartwell, Jr. | William D. Watson     |
| 1982 | William E. Dennis                          | William D. Watson       | Thomas H. Lane                             | James M. Renga        |
| 1983 | William D. Watson (10/83)<br>Bob A. Howell | Bob A. Howell           | Harold G. Fravel                           | Richard A. Wolf       |
| 1984 | Bob A. Howell                              | James K. Pierce         | Edmund W. Benson                           | Billy M. Williams     |
| 1985 | James K. Pierce                            | Thomas H. Lane          | Billy M. Williams                          | Robert E. Kohrman     |
| 1986 | Thomas H. Lane                             | George W. Eastland, Jr. | Gary B. Kolesar                            | Gretchen S. Kohl      |
| 1987 | George W. Eastland, Jr.                    | Billy M. Williams       | William C. Pike                            | Anthony P. Haag       |
| 1988 | Billy M. Williams                          | Gretchen S. Kohl        | Clinton K. Harrington                      | William C. Pike       |
| 1989 | Gretchen S. Kohl                           | William C. Pike         | Linda M. Keenan                            | Nile N. Frawley       |
| 1990 | William C. Pike                            | M. Peter Dreyfuss       | Vicky S. Cobb                              | Nile N. Frawley       |
| 1991 | M. Peter Dreyfuss                          | Vicky S. Cobb           | Jerry L. Curnutt                           | Nile N. Frawley       |
| 1992 | Vicky S. Cobb                              | Gretchen S. Kohl        | Joan E. Holtschlag                         | Donald A. Kadlec      |
| 1993 | Gretchen S. Kohl                           | Robert E. Kohrman       | C. Kenneth Bjork                           | Donald A. Kadlec      |
| 1994 | Robert E. Kohrman                          | Frances K. Voci         | Laura Smith Vosejpk                        | Donald A. Kadlec      |
| 1995 | Frances K. Voci                            | C. Kenneth Bjork        | Anne E. Rogers                             | Michael J. Owen       |
| 1996 | Thomas H. Lane                             | Bob A. Howell           | Anne E. Rogers                             | Michael J. Owen       |
| 1997 | Joan M. Sabourin                           | Arthur G. Smith         | Ann F. Birch                               | Michael J. Owen       |
| 1998 | Arthur G. Smith                            | Debora F. Bergstrom     | Ann F. Birch                               | Michael J. Owen       |
| 1999 | Deborah F. Bergstrom                       | Wendell L. Dilling      | David L. Stickles                          | Peter C. Qian         |
| 2000 | Wendell L. Dilling                         | George W. Eastland, Jr. | Tina M. Leaym                              | Peter C. Qian         |
| 2001 | George W. Eastland, Jr.                    | J. Patrick Cannady      | Estelle I. Lebeau                          | Douglas E. Beyer      |
| 2002 | J. Patrick Cannady                         | Michael J. Owen         | Cynthia N. Peck                            | Douglas E. Beyer      |
| 2003 | Michael J. Owen                            | Joseph M. Ceraso        | Sharyl A. Majorski-Briggs                  | Douglas E. Beyer      |
| 2004 | Joseph M. Ceraso                           | Patrick B. Smith        | Deb A. McNett                              | Douglas E. Beyer      |
| 2005 | Patrick B. Smith                           | Buford I. Lemon         | Aneta I. Clark                             | Gary E. Spillman      |
| 2006 | Buford I. Lemon                            | Deidre A. Strand        | Aneta I. Clark                             | Csilla Kollar         |
| 2007 | Deidre A. Strand                           | Dorie J. Yontz          | Beth M. Nichols                            | Csilla Kollar         |
| 2008 | Dorie J. Yontz                             | Angelo J. Cassar        | Michelle R. Cummings                       | Brian J. Marinik      |

|      |                      |                      |                      |                     |
|------|----------------------|----------------------|----------------------|---------------------|
| 2009 | Angelo J. Cassar     | John D. Blizzard     | Michelle R. Cummings | Janet M. Smith      |
| 2010 | John D. Blizzard     | J. Patrick Cannady   | Erin B. Vogel        | Janet M. Smith      |
| 2011 | J. Patrick Cannady   | Regina M. Malczewski | Abhijit Sarkar       | Darren M. Hansen    |
| 2012 | Regina M. Malczewski | Wayde V. Konze       | Seiji Inaoka         | Haoyu Zhang         |
| 2013 | Wayde V. Konze       | Michelle R. Cummings | Matthew L. Grandbois | Haoyu Zhang         |
| 2014 | Michelle R. Cummings | Matthew L. Grandbois | Regina M. Malczewski | Anatoliy N. Sokolov |
| 2015 | Regina M. Malczewski | Michelle L. Rivard   | Wenyi Huang          | Wendy C. Flory      |
| 2016 | Jaime L. Curtis-Fisk | Anne M. Kelly-Rowley | Kshitish A. Patankar | Wendy C. Flory      |
| 2017 | Anne M. Kelly-Rowley | Wenyi Huang          | Kshitish A. Patankar | Michelle L. Rivard  |
| 2018 | Wenyi Huang          | Amanda M. Palumbo    | Kshitish A. Patankar | Michelle L. Rivard  |
| 2019 | Amanda M. Palumbo    | Mark E. Jones        | Soham Dutta          | Michelle L. Rivard  |

\* In 1948, the Midland Section adopted formal bylaws which governed its operations. These new procedures changed the position of Vice Chairman to Chairman-Elect, and also separated the position of Secretary-Treasurer into two different positions.

#### MIDLAND SECTION ACS COUNCILORS, 1919-2019

| Year (or Range) | Councilor(s)   | Alternate Councilor(s)                                  |
|-----------------|--|---|
| 1919-1932       | William J. Hale  | NA  |
| 1933-1936       | Edgar C. Britton   | NA  |
| 1937-1942       | E.C. Britton; W.R. Veazey  | NA  |
| 1943-1944       | A.W. Beshgetoor; E.C. Britton;<br>W.R. Veazey                                    | NA  |
| 1945            | R.H. Boundy; E.C. Britton;<br>J.J. Grebe; J.D. Hanawalt                          | NA  |
| 1946            | A.J. Barry; R.H. Boundy;<br>E.C. Britton; J.W. Britton;<br>H.S. Nutting          | NA  |
| 1947            | A.J. Barry; A.W. Beshgetoor;<br>E.C. Britton; J.W. Britton;<br>Howard S. Nutting | NA  |
| 1948            | A.W. Beshgetoor; E.C. Britton;<br>Howard S. Nutting                              | NA  |
| 1949*           | E.C. Britton; Howard S. Nutting  | A.W. Beshgetoor; J.W. Britton                           |
| 1950            | E.C. Britton; Howard S. Nutting;<br>Vernon A. Stenger                            | A.W. Beshgetoor; F. Lowell Taylor                       |
| 1951            | Julius E. Johnson, Jr.; Howard S. Nutting;<br>Vernon A. Stenger                  | L.R. Drake; L.L. Ryden;<br>F. Lowell Taylor             |
| 1952            | Julius E. Johnson, Jr.; Howard S. Nutting;<br>Vernon A. Stenger                  | Gordon Clack; Ludo K. Frevel;<br>Thomas Houtman, Jr.    |
| 1953            | Julius E. Johnson, Jr.; Ezra Monroe;<br>Howard S. Nutting                        | Gordon Clack; Ludo K. Frevel;<br>Gerald A. Griess       |
| 1954            | Gordon Clack; Ezra Monroe;<br>Howard S. Nutting                                  | Ludo K. Frevel; Gerald A. Griess;<br>Albert T. Maasberg |

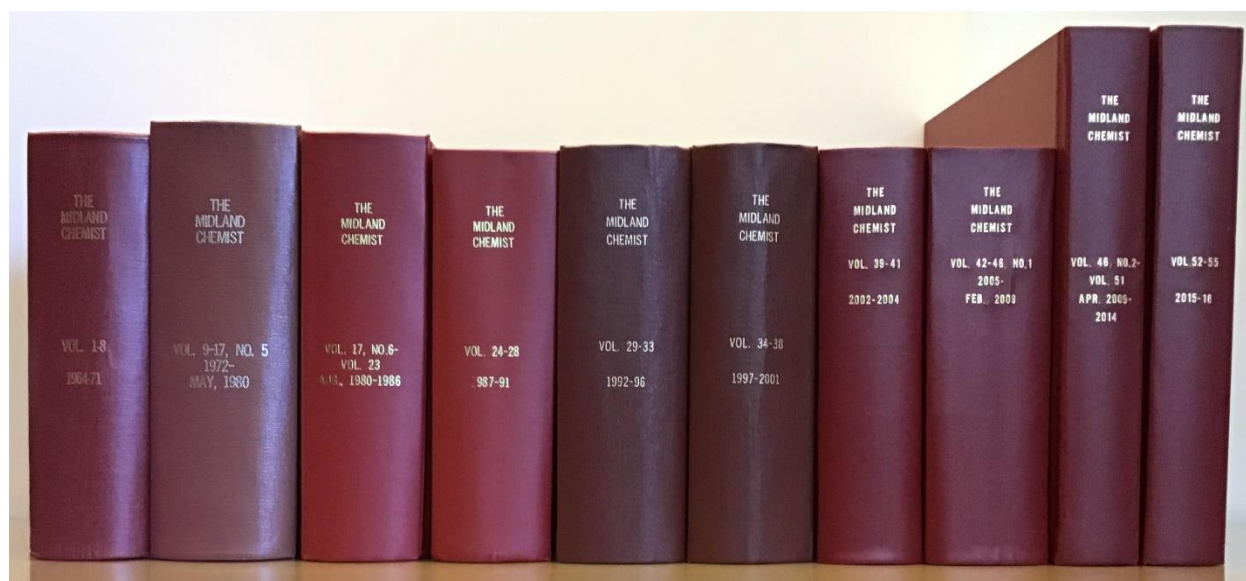


|           |   |  |
|-----------|---|--|
| 1955      | Gordon Clack; Ezra Monroe;<br>Howard S. Nutting                             | Luther F. Berhenke; Gerald A. Griess;<br>Albert T. Maasberg                          |
| 1956      | Gordon Clack; Melvin J. Hunter;<br>Howard S. Nutting                        | Luther F. Berhenke; Albert T. Maasberg;<br>S.A. Schrader                             |
| 1957      | Julius E. Johnson, Jr.; Melvin J. Hunter;<br>Howard S. Nutting              | Luther F. Berhenke; R.R. McGregor;<br>S.A. Schrader                                  |
| 1958      | Julius E. Johnson, Jr.; Melvin J. Hunter;<br>Howard S. Nutting              | Albert T. Maasberg; R.R. McGregor;<br>S.A. Schrader                                  |
| 1959      | Julius E. Johnson, Jr.; Howard S. Nutting;<br>Norman Wright                 | William H. Beamer; Albert T. Maasberg;<br>R.R. McGregor                              |
| 1960      | Howard S. Nutting; Norman Wright;<br>David C. Young                         | William H. Beamer; Albert T. Maasberg;<br>Ezra Monroe                                |
| 1961      | Howard S. Nutting; Norman Wright;<br>David C. Young                         | William H. Beamer; Ezra Monroe;<br>Earl L. Warrick                                   |
| 1962      | Eldon L. Graham; Howard S. Nutting;<br>David C. Young                       | John W. Gilkey; Ezra Monroe;<br>Earl L. Warrick                                      |
| 1963      | Eldon L. Graham; Howard S. Nutting;<br>Daniel R. Stull                      | Etcyl H. Blair; John W. Gilkey;<br>Earl L. Warrick                                   |
| 1964      | Warren B. Crummett; Eldon L. Graham;<br>Howard S. Nutting; Daniel R. Stull  | Etcyl H. Blair; Raymond F. Boyer;<br>John W. Gilkey; Charles B. Roberts              |
| 1965      | Warren B. Crummett; J.D. Doedens;<br>Eldon L. Graham; Howard S. Nutting     | Etcyl H. Blair; Raymond F. Boyer;<br>Charles B. Roberts; Richard E. Skochdopole      |
| 1966      | Warren B. Crummett; J.D. Doedens;<br>Eldon L. Graham; David C. Young        | Raymond F. Boyer; Carleton W. Roberts;<br>Charles B. Roberts; Richard E. Skochdopole |
| 1967-1968 | Warren B. Crummett; Eldon L. Graham;<br>David C. Young                      | Carleton W. Roberts; Richard E. Skochdopole;<br>Walter B. Trapp                      |
| 1969      | Warren B. Crummett; Eldon L. Graham;<br>Carleton W. Roberts; David C. Young | John W. Gilkey; W. Brock Neely;<br>Richard E. Skochdopole; Walter B. Trapp           |
| 1970      | Eldon L. Graham; Frederick C. Leavitt;<br>David C. Young                    | Bill E. Burgert; John W. Gilkey;<br>Richard E. Skochdopole                           |
| 1971      | Linneaus C. Dorman; Frederick C. Leavitt;<br>David C. Young                 | Bill E. Burgert; John W. Gilkey;<br>Donald R. Petersen                               |
| 1972      | Linneaus C. Dorman; Frederick C. Leavitt;<br>David C. Young                 | Bill E. Burgert; Donald R. Petersen;<br>Donald R. Weyenberg                          |
| 1973      | Linneaus C. Dorman; Frederick C. Leavitt;<br>David C. Young                 | D. Wendell Osborne; Donald R. Petersen;<br>Donald R. Weyenberg                       |
| 1974      | Linneaus C. Dorman; Frederick C. Leavitt;<br>David C. Young                 | Jack F. Mills; D. Wendell Osborne;<br>Donald R. Weyenberg                            |
| 1975      | Linneaus C. Dorman; Frederick C. Leavitt;<br>David C. Young                 | Jack F. Mills; D. Wendell Osborne;<br>H. David Russell                               |
| 1976      | Wendell L. Dilling; Linneaus C. Dorman;<br>David C. Young                   | Gary E. LeGrow; Jack F. Mills;<br>H. David Russell                                   |
| 1977      | Wendell L. Dilling; Eldon L. Graham;<br>David C. Young                      | Gary E. LeGrow; Charles E. Reineke;<br>H. David Russell                              |
| 1978      | Wendell L. Dilling; Eldon L. Graham;<br>David C. Young                      | Gary E. LeGrow; Stanley D. McGregor;<br>Charles E. Reineke                           |
| 1979      | Wendell L. Dilling; Eldon L. Graham;<br>David C. Young                      | Stanley D. McGregor; Charles E. Reineke;<br>Daniel R. Stull                          |
| 1980      | Wendell L. Dilling; Linneaus C. Dorman;<br>David C. Young                   | Eldon L. Graham; Stanley D. McGregor;<br>Daniel R. Stull                             |

|           |   |   |
|-----------|---|---|
| 1981      | Wendell L. Dilling; Linneaus C. Dorman;<br>David C. Young | Eldon L. Graham; Donald R. Petersen;<br>Daniel R. Stull |
| 1982      | Wendell L. Dilling; David C. Young                        | Eldon L. Graham; Donald R. Petersen                     |
| 1983      | Wendell L. Dilling; David C. Young                        | Donald R. Petersen; James K. Pierce                     |
| 1984      | Wendell L. Dilling; Linneaus C. Dorman                    | Ronald W. Diesen; Donald R. Petersen                    |
| 1985-1992 | Wendell L. Dilling; Linneaus C. Dorman                    | Bob A. Howell; Donald R. Petersen                       |
| 1993-1995 | Wendell L. Dilling; Bob A. Howell                         | Steven E. Keinath; Donald R. Petersen                   |
| 1996      | Wendell L. Dilling; Gretchen S. Kohl                      | Steven E. Keinath; Donald R. Petersen                   |
| 1997-1998 | Bob A. Howell; Gretchen S. Kohl                           | Steven E. Keinath; Frances K. Voci                      |
| 1999      | Bob A. Howell; Gretchen S. Kohl                           | Michael J. Owen; Frances K. Voci                        |
| 2000      | Bob A. Howell; Gretchen S. Kohl                           | Peter Y.K. Lo; Michael J. Owen                          |
| 2001      | Bob A. Howell; Gretchen S. Kohl                           | Thomas H. Lane; Michael J. Owen                         |
| 2002      | Bob A. Howell; Gretchen S. Kohl                           | Steven E. Keinath; Thomas H. Lane                       |
| 2003-2004 | Bob A. Howell; Gretchen S. Kohl                           | Angelo J. Cassar; Steven E. Keinath                     |
| 2005      | Bob A. Howell; Thomas H. Lane                             | Angelo J. Cassar; Gretchen S. Kohl                      |
| 2006-2007 | Bob A. Howell; Thomas H. Lane                             | Grechen S. Kohl; Dale J. LeCaptain                      |
| 2008-2010 | Kurt F. Brandstadt; Bob A. Howell                         | Grechen S. Kohl; Dale J. LeCaptain                      |
| 2011      | Wendy C. Flory; Bob A. Howell                             | Grechen S. Kohl; Dale J. LeCaptain                      |
| 2012-2013 | Wendy C. Flory; Bob A. Howell                             | Grechen S. Kohl; Connie J. Murphy                       |
| 2014      | Bob A. Howell; Tina M. Leaym                              | Shawn Chen; Connie J. Murphy                            |
| 2015-2016 | Tina M. Leaym; Dale J. LeCaptain                          | Shawn Chen; Tami Sivy                                   |
| 2017      | Tina M. Leaym; Dale J. LeCaptain                          | Steven E. Keinath; Tami Sivy                            |
| 2018      | Tina M. Leaym; Dale J. LeCaptain                          | Jessica Y. Huang; Steven E. Keinath                     |
| 2019      | Tina M. Leaym; Dale J. LeCaptain                          | Lauren M. Jackson; Steven E. Keinath                    |

\* In 1948, the Midland Section adopted formal bylaws which governed its operations. These new procedures changed the way in which councilors were elected and added the position of alternate councilors.

**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* 1970, 7, No. 6, 5.**

In *Birth Control Drugs; Past, Present and Future*: “Ladies’ Night, September Meeting, Dr. Frank B. Colton, Tuesday, September 22, 1970, 6:15 p.m., Michigan Haus Restaurant, 2507 E. Delta, BayCity, The Lecture, One of the greatest problems facing humanity today is unquestionably the world population. The awareness of the cataclysmic rate at which the world population is increasing and of the potential economic and political sequelae of this increase has intensified general public interest in the subject of population control.”

**40 Years Ago, *The Midland Chemist* 1980, 17, No. 7, 274.**

In *Dow’s Public Issues Manager To Address Fall Scientific Meeting*: “Patrick P. McCurdy, manager of public issues for the Dow Chemical Company, will be the keynote speaker for the 1980 Fall Scientific Meeting, to be held Nov. 1 at H.H. Dow High School, Midland.

McCurdy is the former editor of *Chemical Week*, a post he held for more than six years before coming to Dow in May.”

**30 Years Ago, *The Midland Chemist* 1990, 27, No. 5, 3.**

In *Chairman’s Column* by Bill Pike, Chairman, ACS Midland Section: “With summer almost over, the year seems to be moving fast for our local section. The 22nd Central Regional ACS Meeting, held June 6-8, was highly successful with over 700 individuals attending. Having a meeting of this high caliber in our section was a great opportunity for us. Many thanks to Pat Dreyfuss and her committees for a volunteer job well done.”

**20 Years Ago**, *The Midland Chemist* **2000**, 37, No. 5, 17.

In *Rubens Receives National Honors* by Ann Birch: "It's no wonder L.C. "Bud" Rubens has the feeling he's getting a lot of attention lately - he is. On June 22, 2000 Bud was inducted into the Plastics Hall of Fame in Chicago. On August 20, he will be recognized by the American Chemical Society as a "Hero of Chemistry" at a ceremony in Washington, D.C. And all this takes place sixty years after hitchhiking to Midland to find a job."

**10 Years Ago**, *The Midland Chemist* **2010**, 47, No. 4, 1.

In *Calling 2011 Officer Candidates* by Kevin Wier, N&E Committee: "Why volunteer with ACS? Read what Tina Leaym had to say: 'Several years ago I was pursuing a major career change. In my interview, the questions were very difficult and required personal examples of how I had handled many different situations. Had it not been for my volunteer work with ACS, I would have struggled to come up with examples of leadership and problem-solving at this early point in my career. The ACS provided a risk-free environment for me to get my feet wet leading teams and projects.'"

## Upcoming Dates, Events, and Other Updates

- August 3 (7:00–8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting August 2020](#), phone number: 989-633-1166.
- August 15 (3:00 PM in English, 4:00 PM in Spanish) – Virtual ACS Kids Zone. Registration is required. See [www.acs.org/kidszone](http://www.acs.org/kidszone) to register. For more information, see flyer in this newsletter or contact [outreach@acs.org](mailto:outreach@acs.org).
- August 17–20 – Fall 2020 Virtual National ACS Meeting & Exposition. Meeting theme: *Moving Chemistry from Bench to Market*. For more information, please see [ACS Fall 2020 Virtual National Meeting & Exposition](#).
- September 4 – **Abstract submission deadline for 2020 Midland Section ACS Virtual Fall Scientific Meeting**. Please submit titles and 300-word abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com). For any questions, please contact Anirudha Banerjee, 2020 Fall Scientific Meeting Chair, at [fallscimeeting@midlandacs.org](mailto:fallscimeeting@midlandacs.org).
- September 8 (7:00–8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting September 2020](#), phone number: 989-633-1166. **Please note: This Board meeting is being held on Tuesday evening, not the usual Monday evening.**
- September 11 – **Registration deadline for 2020 Midland Section ACS Virtual Fall Scientific Meeting**. Please follow the Sign Up Genius link at [www.midlandacs.org](http://www.midlandacs.org). For any questions, please contact Anirudha Banerjee, 2020 Fall Scientific Meeting Chair, at [fallscimeeting@midlandacs.org](mailto:fallscimeeting@midlandacs.org).
- October 5 (7:00–8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting October 2020](#), phone number: 989-633-1166.
- October 10 – 2020 Midland Section ACS Virtual Fall Scientific Meeting. Meeting theme: *Sticking with Chemistry*. Please note: The **abstract submission deadline is September 4**, and the **meeting registration deadline is September 11**. For any questions, please contact Anirudha Banerjee, 2020 Fall Scientific Meeting Chair, at [fallscimeeting@midlandacs.org](mailto:fallscimeeting@midlandacs.org).



- November 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [MidlandSection WebEx Board Meeting November 2020](#), phone number: 989-633-1166.
- November (Dates TBD) – 2020 ACS Central Regional Meeting, Columbus, OH. For more information, please see [https://cerm2020.org/?sc=200226\\_mtg\\_em\\_regional\\_CERM\\_od](https://cerm2020.org/?sc=200226_mtg_em_regional_CERM_od).
- December 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [MidlandSection WebEx Board Meeting December 2020](#), phone number: 989-633-1166.

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