Chair Column
Gina Malczewski, Chair, Midland Section ACS

Resolutions and Evolutions. We’re off and running, 2015 has begun and the Midland Section ACS, like our membership, is looking inward and making plans. Change is not always necessary, but review is valuable.

Most of our committees have chairs, but we are still seeking assistance in some areas (especially Membership), and welcome all who wish to contribute. Speaking of members, we have a diverse group, and we would like to understand how to better engage and assist each demographic – young, mid-career and experienced/retired. If you have an opinion, voice it! If you have heard or had conversations with those who either value or reject ACS membership, considering sharing those comments with us. We need to learn how to increase the value of our activities and sustain our successes.

And belonging to the ACS is only part of the story. Just 124 of about 650 Midland Section members voted in our last election. WHY? If the ACS does not offer members what you think it should, consider becoming more
involved and help to making it "work better." Input, ideas, and VOLUNTEERS are required for growth, relevance and accomplishment.

A few priorities for this year include:
- Soliciting, encouraging and training future and current leaders
- Connecting with area STEM initiatives and determining how and when to contribute
- Revising the website (see related article, page 16) and the handbook
- Beginning preparations for our 100th section and 50th regional anniversaries in 2019

Let’s resolve to have a productive and enjoyable year. You are welcome to contact me with any suggestions or concerns at reginamalczewski@gmail.com.

Michelle Rivard Is New Chair-Elect; Kevin Wier Steps up as Director
Gina Malczewski, Chair, Midland Section ACS

As you may recall, we had no candidates running for Chair-elect in the last election. This is indicative of a longer-term succession issue that we hope to address this year. Thankfully, however, Michelle Rivard accepted a nomination to serve as Chair-elect in 2015, and was approved by the Midland Section Board on January 5. Michelle will run for the Chair position in 2016 in the upcoming fall election to allow the local section members at large a voice in choosing their section’s leadership. The Chair-elect position is usually the first year of a three-year commitment.

Michelle’s new position vacated a Director spot that she had just won in the 2014 election, so Kevin Wier (next in line for a Director position based on vote count) was nominated. He accepted, and will serve as a partial term Director until the election in the fall, when he will run against other candidates who may seek the rest of that three-year Director term.

We are fortunate to have added these two highly qualified individuals to our Board and to have filled all of our current leadership roles. Please welcome them and provide your support.

SMART (Science Meets Art) Program – February 2, 9, and 16
Gina Malczewski, Chair, Midland Section ACS

The Midland Section ACS Outreach group is working with Creative 360 to offer seniors (and others) some experiences that combine science concepts with art activities. We encourage you to consider attending. Space limitations restrict the program to no more 30 participants, so REGISTER EARLY!

Join scientists from the American Chemical Society (ACS) and artists from Creative 360 for hands on science and art experiences. Creative 360 and the ACS have joined together for the past two years to bring this unique program to Delta College’s Possible Dream program. The engaged excitement and enthusiasm of participants and presenters has inspired us to offer it to participants age 60+. Join us for some interactive “wow – that’s amazing!” experiments.

The SMART program will run on three consecutive Monday’s, February 2, 9, and 16, 1:00-3:00 PM. There is no charge to participate in the program, however, pre-registration is required by January 28. For more information, see http://www.becreative360.org/events/yes-can-science-meets-art-2015-02-02/.
Outreach Beach Party – January 29
Gina Malczewski, Chair, Midland Section ACS

Tired of winter? Grab your Hawaiian shirt or come as you are! We will meet to discuss Outreach activities on Thursday, January 29 at 5:30 PM at Gina Malczewski’s house (4210 Linden Drive, Midland). We will grill hamburgers and hot dogs and make some plans for 2015. Come find out what’s new, what’s involved, and how you can help. We have something for everyone who wants to bring science to the masses and have fun doing it! Contact Gina if you need directions (do not rely on GPS). An RSVP would be appreciated to reginamalczewski@gmail.com.

National ACS Recognition for SVSU and CMU Student Chapters
Dale LeCaptain, Councilor, Midland Section ACS, and Faculty Advisor, CMU Student Chapter

SVSU and CMU student members are headed to Denver, with research results to present, talks to see and hear, expos to explore, and awards to collect. That’s right, both student chapters have earned National ACS recognition once again for their programs and activities in the 2013-14 school year.

- SVSU – Outstanding Student Chapter Award
- CMU – Commendable Student Chapter Award

Congratulations to all of their members for doing so much for their communities and universities. From science demos at elementary schools, tutoring services, trips to chemical facilities, or just hanging out to strengthen their networks. Both groups are sending representatives to Denver for the ACS National meeting and to that end, are asking for Midland Section membership support. For more information, contact Dale LeCaptain at lecap1dj@cmich.edu.

ACS Student Members Host Frozen-Themed Fundraiser – January 31
Dale LeCaptain, Faculty Advisor, CMU Student Chapter

American Chemical Society (ACS) student members from SVSU and CMU are hosting a fundraiser / lunch social from noon to 5:00 PM at the Midland Brewing Company (5011 North Saginaw Road, Midland), on Saturday, January 31.

This is event is designed for ALL ages and features a FROZEN movie theme—great for kids! Come enjoy science demos, games, crafts, and college students dressed as Disney characters! The students will go head to head ... or more technically, princess to princess in a Who is the best Elsa and Anna contest. Come and check out their creativity and vote for the best princess (should be photo worthy). There may even be some liquid nitrogen ice cream for dessert!

The Midland Brewing Company is great for adults to enjoy, too, with craft brews and student-served lunch. Lunch is FREE, so you can help the college kids raise money for travel to the ACS National Meeting in Denver, Colorado. Both of the SVSU and CMU student groups will receive awards at the national meeting! For more information, please contact Dale LeCaptain at lecap1dj@cmich.edu.
American Chemical Society
student members ...... want to know

Do you want to build a
Sandwich ?

Saturday afternoon lunch social!
Noon – 5:00 PM
Saturday, January 31st
Midland Brewing Company
5011 N. Saginaw Rd., Midland

and maybe do a
Craft ?

what about a science
Demo ?

It’s a party for:
Moose, snowmen, princesses,
evil brothers, EVERYONE! (adult & kid friendly)

Join us anytime in the afternoon to:
◆ Enjoy a “Free” lunch
◆ Help college kids raise $$ for Denver
  (ACS national meeting travel expenses)
◆ Watch a movie
◆ Consume beverages
◆ Play some games
◆ HAVE FUN!

Questions: dale.lecaptain@cmich.edu

Special guests
Anna & Elsa !
photo opportunities
vote for best costume

or just enjoy a
Beer ?
root beer & birch beer, too
Call for ACS Fellow Nominations

Michelle Cummings, Past Chair, Midland Section ACS

The Midland Section ACS leadership is requesting nominations for the 2015 class of American Chemical Society (ACS) Fellows. The ACS Fellows Program was created by the ACS Board of Directors in December of 2008 to recognize members of ACS for outstanding achievements in, and contributions to, science, the profession, and the Society.

ACS Fellows must be current members in good standing with the Society and have documented excellence and leadership in both science and volunteer service in the ACS community. Scientific experience may include technical, educational, professional, and/or managerial impact that has a lasting benefit on one of the chemical sciences. Volunteer service in the ACS community includes any action/position that resulted in significant enhancements to the ACS, its products, or services.

Fellows are selected by a broadly representative selection committee appointed by the Board Committee on Grants & Awards, which has governance oversight for the program.

Nominations may be submitted individually through a self-nomination process, or by technical divisions, local sections, or national committees. The Midland Section is limited to two ACS Fellow nominations, so please contact any Midland Section Board member if you would like to nominate yourself or a colleague for this prestigious award by February 1, 2015.

Additional information regarding this award, eligibility, and nominations can be found at the following link: http://www.acs.org/content/acs/en/funding-and-awards/fellows.html.

It’s Broomball Time – February 13

Dale LeCaptain, Councilor, Midland Section ACS

Get your game on, form a team, and come on out because it’s broomball time, again! Back by popular demand, the 2nd annual Midland Section ACS broomball tournament is coming up. Bring your neighbor from the next door cubicle or office, grab the engineer down the hall, and sign up your team for a Midland Section sponsored broomball battle. Think broom, ball, ice hockey rink, 2 goals, and 10 people trying to run on ice. And, don’t forget the hilarious moments of wipe-outs, spills, and phenomenal saves, too.

Date, time & place: Friday, February 13, 6:30-8:30 PM, Midland Civic Arena, 405 Fast Ice Drive, Midland

Form your own team today! You’ll need at least 6 people (age 15 and up), 8 would be better, and 11 would be awesome. You must be willing to try to run on ice while swinging a broom at the ball. $25 team entry fee with lots of door prizes and a networking social to follow.

Send your team name and make payment arrangements with John McKeen at jcmckeen@dow.com. Helmets are required, and the Midland Civic Arena has plenty on hand to loan if you need one. Want to play, but can’t get a team together? Send an e-mail to John, and he’ll get you on a team! For more information, contact Dale LeCaptain at lecap1dj@cmich.edu, or John McKeen at jcmckeen@dow.com.
Upcoming Events Sponsored by the Mid-Michigan Section of AIChE

*Bruce Holden, Secretary, Mid-Michigan AIChE*

All Midland Section ACS members are cordially invited to attend any of several invited-speaker events hosted by the Mid-Michigan Section of the AIChE. These meetings are held at the Grand Traverse Pie Company, 2600 North Saginaw Road, in Midland. Admission is free and may be accompanied by a limited supply of free sandwiches or pizza with other food available for purchase on site. Meeting times and locations are subject to change, so be sure to check out the MMAIChE website at [http://www.mmaiche.org](http://www.mmaiche.org) for any updates to the schedule.

Some of the following events may be of interest to Midland Section ACS members. More information on each of these events, including presentation abstracts and short bio sketches of the presenters, is available on the MMAIChE website. Just click on “Program Flyer” near the top of the MMAIChE Events page at [http://www.mmaiche.org/events.html](http://www.mmaiche.org/events.html). You may also contact Bruce Holden at bsholden@dow.com or 989-636-5225 for more information.

- **Margie Pierce**, Owner, Sourcing Engineers, Inc.
  *Entrepreneurship in Engineering*
  Wednesday, February 18, 2015, 6:00 PM dinner (optional), 7:00 PM presentation

- **Aaron Johnson**, Global Application Development Leader, Dow Water & Process Solutions
  *Potential and Controversies of Fracking*
  Wednesday, March 11, 2015, 6:00 PM dinner (optional), 7:00 PM presentation

- **Joe VanderKelen**, President, SMI Snow Makers
  *SMI Snow Makers and the Sochi 2014 Olympics*
  Tuesday, April 7, 2015, 6:00 PM dinner (optional), 7:00 PM presentation

Chemistry on the Silver Screen – February 24

*Wendy Flory, Treasurer, Midland Section ACS*

Save the date: Tuesday, February 24, 2015, for the next *ACS-Program-in-a-Box* event on the topic of chemistry in the movies.

Science is finding a bigger place on the silver screen and in our living rooms. But what’s behind this new attraction and how is Hollywood influencing the public’s view? Tune in for a discussion on how Hollywood is working to incorporate science, and meet the people that are making it happen. For more information, contact Wendy Flory at wcflory@dow.com.
Announcing the 2015 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

It is that time of year again when we have the opportunity to recognize outstanding educators, volunteers and colleagues. I am asking that you take the time to nominate that outstanding person to be recognized at the American Chemical Society–Midland Section Spring Awards Banquet at the Great Hall and Convention Center in Midland on Wednesday, May 6, 2015. The awards banquet is a great way to connect with others in the industry, those who have gone before us, those who teach the next generation, and those who will be following in our footsteps.

The process of nominating can be fun and easy. 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 you feel you deserve an award but everyone is just too busy to notice, consider leaving suggestions or have an outright discussion with your manager. If you are a parent: Does your child have a great science teacher? If so, consider nominating him/her.

From personal experience, if you know the deserving person, it only takes 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. I have listed previous award recipients and would like to remedy that nasty “No Recipient” comment, as there is surely someone deserving in every category!

When 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 the American Chemical Society offers at the national level. I have listed them below (see page 13), each linked to the corresponding Web address where you can find out more information. Now is the time to begin nominations for National ACS awards for 2015–2016 as most annual award nominations have a deadline of November 1.

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 include a publications and patent list, where applicable, and additional letters of support which can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards chair via e-mail. Nominations not meeting the minimum requirements, and submissions received after the April 7, 2015 deadline, will not be considered.

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!

As always, contact me if you have any questions: Diana Deese, Midland Section ACS Awards Committee Chair (dkdeese@dow.com).
Call for Nominations: 2015 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 2015 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 and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Outstanding Chemical Technician
- Outstanding High School/College Chemistry Students

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 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. ACS membership is not required for chemical technicians 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.
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 for approval by the Midland Section ACS Executive Committee. 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 additional supporting letter included with your nomination all stating why the nominee is deserving of the award. Specific examples should be given in areas such as professional involvement/growth, contributions to industry, and outside affiliations. It is highly recommended that the nomination include 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 April 7, 2015. Nominations not meeting the minimum requirements, and submissions received after the April 7 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.

**Outstanding 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 (see page 10). One selection per school; no supporting letters needed.

Award recipients, as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members, will be honored at the 2015 ACS Spring Recognition Dinner at the Great Hall and Convention Center, in Midland, on Wednesday, May 6, 2015.

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!

For example nominations or more detail on any award, please contact Diana Deese.

*Electronic submissions are acceptable and preferred,* or via U.S. mail to:

Diana K. Deese, Chair  
ACS Midland Section Awards Committee  
Phone: (989) 636-9915  
E-mail: awards@midlandacs.org or dkdeese@dow.com
Nomination Form for 2015 Outstanding High School / Collegiate Chemistry Student

ACS Midland Section

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 April 7, 2015:

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*

<table>
<thead>
<tr>
<th><strong>Elementary Level Science Education</strong></th>
<th><strong>Middle Level Science Education</strong></th>
<th><strong>High School Chemistry Teaching</strong></th>
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<tbody>
<tr>
<td>1993 Lela Wade</td>
<td>1993 Laurie Hepinstall</td>
<td>1990 Gary Ronk</td>
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<tr>
<td>1996 Mark Hackbarth</td>
<td>1996 Barbara J. Bibbee</td>
<td>1993 Mary Irons</td>
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<tr>
<td>1998 Barbara McGivern</td>
<td>1998 No Recipient</td>
<td>1995 No Recipient</td>
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<tr>
<td>1999 John Clark</td>
<td>1999 No Recipient</td>
<td>1996 Sandra Schafer</td>
</tr>
<tr>
<td>2000 Sue Burtch, Robin Harshman-Rogers, Vicki Richard, Clare Jorgensen</td>
<td>2000 No Recipient</td>
<td>1997 Mary Fredell</td>
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<tr>
<td>2003 Leon Katzinger</td>
<td>2003 No Recipient</td>
<td>2000 Steven Kelly</td>
</tr>
<tr>
<td>2004 Joan Roels</td>
<td>2004 Christine Brillhart</td>
<td>2001 William Stokes</td>
</tr>
<tr>
<td>2006 Robin Allen</td>
<td>2006 Matthew Miller</td>
<td>2003 No Recipient</td>
</tr>
<tr>
<td>2008 Rachel Pappas</td>
<td>2008 Mark Koschmann</td>
<td>2005 Pamela Thompson</td>
</tr>
<tr>
<td>2009 No Recipient</td>
<td>2009 Carla Piazza</td>
<td>2006 Daniel Sealy</td>
</tr>
<tr>
<td>2010 No Recipient</td>
<td>2010 Melinda Coyle</td>
<td>2007 No Recipient</td>
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<tr>
<td>2011 Beth Quimby</td>
<td>2011 Jennifer Lenon</td>
<td>2008 No Recipient</td>
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<tr>
<td>2012 No Recipient</td>
<td>2012 Jayme Swanson</td>
<td>2009 Nancy Vossen</td>
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<tr>
<td>2013 No Recipient</td>
<td>2013 John Barnes</td>
<td>2010 Sandra Schafer</td>
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<tr>
<td>2014 No Recipient</td>
<td>2014 No Recipient</td>
<td>2011 David Allan</td>
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<td>2012 David Bruessel</td>
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<td></td>
<td>2013 Tom Short / Sarah Beery</td>
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<td></td>
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<td>2014 No Recipient</td>
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<tr>
<th><strong>College Chemistry Teaching</strong></th>
<th><strong>High School Chemistry Teaching</strong></th>
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<tbody>
<tr>
<td>1989 Joan Sabourin</td>
<td>1998 No Recipient</td>
</tr>
<tr>
<td>1990 Bob Howell</td>
<td>1999 No Recipient</td>
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<tr>
<td>1991 Robert Kohrman</td>
<td>2000 No Recipient</td>
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<tr>
<td>1992 Scott Hill</td>
<td>2001 No Recipient</td>
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<tr>
<td>1993 Ajit Sharma</td>
<td>2002 No Recipient</td>
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<tr>
<td>1994 Laura Vosejcka</td>
<td>2003 No Recipient</td>
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<tr>
<td>1995 George Eastland</td>
<td>2004 No Recipient</td>
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<tr>
<td>1996 Martin Spartz</td>
<td>2005 No Recipient</td>
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<tr>
<td>1997 Philip Squattrito</td>
<td>2006 No Recipient</td>
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<tr>
<td>1998 Thomas Delia</td>
<td>2007 No Recipient</td>
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<tr>
<td>1999 Steven Keinath</td>
<td>2008 No Recipient</td>
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<td>2000 James Hutchison</td>
<td>2009 No Recipient</td>
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<td>2010 No Recipient</td>
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<td>2011 No Recipient</td>
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<td>2012 No Recipient</td>
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<td>2013 No Recipient</td>
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<tr>
<th><strong>Science Education Volunteer</strong></th>
<th><strong>High School Chemistry Teaching</strong></th>
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</thead>
<tbody>
<tr>
<td>1992 Gregg Young</td>
<td>1999 William Albe</td>
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<tr>
<td>1993 Peter Bonk</td>
<td>2000 Karol Childs</td>
</tr>
<tr>
<td>1994 Peter Moehs</td>
<td>2001 Donald Petersen</td>
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<tr>
<td>1995 Gretchen Kohl</td>
<td>2002 Joan McMahon</td>
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<tr>
<td>1996 John Blizzard, Richard Van Effen</td>
<td>2003 John Blizzard</td>
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<td>1997</td>
<td>2004 Jan Zanyk</td>
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<td>2005 Tim Drier</td>
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<td>2006 Teri Bickmore</td>
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<td>2007 Cal Goeders</td>
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<td></td>
<td>2008 Dave Stickles</td>
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<td></td>
<td>2009 Lisa Thackery</td>
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<td>2010 Charles &amp; Barbara Roth</td>
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</tbody>
</table>
1997  Marvin Tegen
1998  Carlton Beyer
2005  Eldon Graham
2006  Tom Chamberlin
2012  Estelle Lebeau
2013  No Recipient
2014  Charles Nielsen

**Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering**
(Awarded every other year)
2002  George Gant, Richard Stringfield
2004  Smallwood Holoman, Jr.
2006  Joan Sabourin
2008  Sandra Parker
2010  Theophilus Leapheart
2012  Linneaus Dorman
2014  Victor Atiemo-Obeng

**Outstanding Chemical Technician**
1997  Connie J. Murphy
1998  David Stickles
1999  Ronald L. Good
2000  Kurt A. Bell
2001  Gordon R. Roof
2002  Cynthia J. Gould
2003  Robert Krystosek
2004  Sherry Allen
2005  Bill Rievert
2006  Margo McIvor
2007  Debbie Bailey
2008  Sue Perz
2009  Diana Deese
2010  No Recipient
2011  Amy Tesolin-Gee
2012  Amber Wallace
2013  No Recipient
2014  Jeff Seifferly

**Outstanding Achievement and Promotion of the Chemical Sciences**
1976  Dr. Turner Alfrey, Jr.
1977  Dr. Etcyl H. Blair
1978  Dr. David C. Young
1979  Dr. Vernon A. Stenger
1980  Dr. Daniel R. Stull
1981  Dr. Bob A. Howell
1982  Dr. Wendell L. Dilling
1983  Dr. Donald R. Weyenberg
1984  Dr. Edwin P. Plueddemann
1985  Dr. Raymond P. Boyer
1986  Stanley P. Klesney
1987  Dr. Warren B. Crummett
1988  Dr. A. Lee Smith
1989  Dr. Do Ik Lee
1990  Dr. Joseph E. Dunbar
1991  Dr. Thomas H. Lane
1992  Dr. Donald A. Tomalia
1993  Dr. Dale J. Meier
1994  Dr. Philip T. Delassus
1995  Dr. Duane B. Priddy
1996  Dr. Hans G. Elias
1997  Dr. Ludo K. Frevel
1998  Dr. Patrick B. Smith
1999  Dr. David E. Henton
2000  Dr. Steven J. Martin
2001  Dr. Edwin C. Steiner
2002  Dr. Thomas J. Delia
2003  Dr. Robert M. Nowak
2004  No Recipient
2005  No Recipient
2006  No Recipient
2007  Dr. Petar R. Dvornic
2008  Dr. Jack Kruper
2009  No Recipient
2010  No Recipient
2011  No Recipient
2012  No Recipient
2013  No Recipient
2014  No Recipient

**Outstanding Service to the American Chemical Society**
1989  Dr. David C. Young
1990  Dr. Linneaus C. Dorman
1991  Dr. Donald R. Petersen
1992  Dr. Wendell L. Dilling
1993  Dr. Bob A. Howell
1994  Eldon L. Graham
1995  Gretchen S. Kohl
1996  Fran K. Voci
1997  Dr. Thomas H. Lane
1998  Vicky S. Cobb
1999  Dr. Theodore E. Tabor
2000  Dr. Peter & Dr. Patricia Dreyfuss
2001  Dr. George W. Eastland, Jr.
2002  Joan Sabourin
2003  John Blizzard
2004  Dr. Steven E. Keinath
2005  Ann Birch
2006  Dr. Philip Squattrito
2007  David L. Stickles
2008  Connie Murphy
2009  No Recipient
2010  No Recipient
2011  No Recipient
2012  No Recipient
2013  No Recipient
2014  No Recipient
ACS National Awards for 2015–2016 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**

**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 and Surface Chemistry**

**ACS Award in Industrial Chemistry**

**ACS Award in Inorganic Chemistry**

**ACS Award in Organometallic Chemistry**

1973 Turner Alfrey, Jr.

**ACS Award in Polymer Chemistry**

**ACS Award in Pure Chemistry**

**ACS Award in Separations Science and Technology**

**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**

**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
Ernst Guenther Award in the Chemistry of Natural Products
Kathryn C. Hach Award for Entrepreneurial Success
E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances
Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids
Frederic Stanley Kipping Award in Silicon Chemistry
1990 John L. Speier, Jr.
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
E. Bright Wilson Award in Spectroscopy
Ahmed Zewail Award in Ultrafast Science and Technology
Heroes of Chemistry
1999 Et cyl Blair
1999 Ray Rigterink
1999 Art Sexton
2000 L.C. Rubens

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/2015-national-awards-administered-by-acs.html

National ACS Fellows from the Midland Section
2010 Wendell L. Dilling
2010 Michael J. Owen
2011 Bob A. Howell
2011 Connie J. Murphy
2013 Patrick B. Smith
2014 Janet M. Smith
Dow Partners with ACS to Improve Chemistry Teaching Throughout North America

Jaime Curtis-Fisk, Dow STEM Program Leader

The Dow Chemical Company (Dow) and the American Association of Chemistry Teachers (AACT) are partnering to invigorate chemistry education and support STEM (science, technology, engineering and math) education in the nation’s schools.

Dow and AACT will work together to convene a series of teacher summits and create more than 750 lesson plans, multimedia resources, demonstrations and other high-quality chemistry teaching materials for use in K–12 classrooms. The work will be supported by a $1 million contribution from Dow to AACT spread over a four year period.

AACT was launched in 2014 by the American Chemical Society (ACS), the world’s largest scientific society. The partnership with Dow promotes the main goal of AACT—to provide its members with resources that foster top-notch chemistry instruction grounded in everyday life.

“We are thrilled to be working together with Dow to support teachers of chemistry across the country and develop the workforce of tomorrow,” said Madeleine Jacobs, ACS executive director and chief executive officer. “We hope that this partnership can serve as a model that will catalyze greater engagement between chemical industries and local communities.”

“A skilled STEM workforce fuels innovation and economic prosperity and creates solutions that improve the quality of life for people across the globe. At Dow, we value teachers’ critical role, both in inspiring chemistry excitement and in helping students to gain the key skills they need to be successful in STEM careers,” said Andrew N. Liveris, Dow’s chairman and chief executive officer. “As the founding partner of this program, we are proud to collaborate with ACS on this first of its kind community to empower chemistry teachers inside and outside of the classroom as they work to inspire the next generation of innovators and entrepreneurs.”

Dow’s STEM mission is to build the workforce of tomorrow by supporting teachers, motivating student achievement, developing careers, and collaborating with communities to transform STEM education into a driver for innovation, manufacturing, and economic prosperity. Through its STEMtheGAP™ initiatives, including the AACT partnership, Dow strives to provide more resources to teachers, drive excitement in young people around STEM topics and increase the number of students who choose STEM majors, ultimately preparing these students to be successful in STEM careers.

“This new partnership comes at a critical time,” said Adam Boyd, AACT program director. “Enrollment in high school chemistry classes is on the rise. Yet, only 35 percent of high school chemistry teachers have both a bachelor’s degree in chemistry and are actually certified to teach it.”

In order to prepare these teachers for the challenges they face in the chemistry classroom, Dow and AACT will host a series of teacher summits in cities around the country, with the first summit occurring this summer in Midland, Michigan. Approximately 30 chemistry teachers from surrounding communities will attend the weeklong summit. They will work with Dow volunteers, known as Dow STEM Ambassadors, to identify improvement opportunities in K–12 classroom resources and develop lesson plans, multimedia presentations and other materials that better meet teachers’ needs. As part of this effort, Dow STEM Ambassadors will help teachers incorporate career-based examples into their teaching resources, educating students on future potential career opportunities.
Lesson plans and other classroom materials developed at the Dow-AACT teacher summits will be available to AACT members via the association’s website, www.teachchemistry.org.

AACT is the first national organization of its kind in the United States. Membership in the new organization is open to all who are interested in chemistry education. AACT has three goals: to serve as a trusted source of curricular and pedagogical resources for K–12 chemistry instruction, to provide opportunities for chemistry teachers to network with each other and the broader ACS community, and to disseminate effective teaching and learning practices at the K–12 level. For more information, visit www.teachchemistry.org.

For further information at the national level, please contact Sara Steele at smsteele@dow.com or 202-429-3428, or Joan Coyle at j_coyle@acs.org or 202-872-6229.

Editor’s note: At the local level, Dow Chemical–Midland’s Jaime Curtis-Fisk is the program manager for this new initiative. If you have any questions regarding this announcement or the program in general, or if you would like to connect a teacher with this opportunity, please contact Jaime at jlcurtisfisk@dow.com.

**Website Change Preview: Part 1**

*Gina Malczewski, Chair, Midland Section ACS*

The Midland Section ACS website is undergoing renovation. No changes will be implemented (visible to visitors) without member input and Board approval, but we (the Technology Committee and Chair) are beginning to make changes in the background right now. Our goal is to launch the new and improved website in the spring. Revisions will affect content and layout. We encourage you to review the suggested changes outlined below and offer your input.

**Why the changes?** Much of the information on the current website has not been updated since 2009 or 2010, and some of it is obsolete. The Midland Section has also added new committees. We are also suggesting some layout changes that we hope will help visitors reach their target destinations more easily.

**What are the changes?** We highlight here the first two levels of modification. Additional information will follow later. The following table shows the suggested changes in the major tabs (across the top).

<table>
<thead>
<tr>
<th>Current Old Tabs</th>
<th>Proposed New Tabs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home</td>
<td>Home</td>
</tr>
<tr>
<td>About Us</td>
<td>About Us</td>
</tr>
<tr>
<td>Members</td>
<td>Committees and Groups</td>
</tr>
<tr>
<td>Education</td>
<td>For Teachers and Students</td>
</tr>
<tr>
<td>Community Outreach</td>
<td>Activities and Events</td>
</tr>
<tr>
<td>Communications</td>
<td>Communications</td>
</tr>
<tr>
<td>Administration</td>
<td>Administration/Members</td>
</tr>
</tbody>
</table>

We anticipate using cross-references under tabs as appropriate to redirect readers or offer related information. The order of listings is subject to change. Visible content or links suggested for first level pull-downs or visible content are outlined below.
HOME
We will revise the verbiage provided so it is different from that under "About Us/Midland Section". We will highlight that we serve five counties wherever appropriate to make sure that this is clear to our audience.
- Link to current newsletter
- Brief upcoming current events information
- Appropriate Facebook content

The addition of Facebook content will be limited, and will be automatic for data that meets specified criteria. This will, of course, require that Facebook content is kept up-to-date, and it will save the time of loading new relevant content.

ABOUT US
- Board and Committee Chairs (with photos)
- Section History
- Why I am a member (need to add testimonials from young members)
- Meetings / Minutes
- Join ACS

COMMITTEES AND GROUPS
- Awards Committee
- Fall Scientific Meeting
- Kids and Chemistry / Outreach
- MidMichigan Technicians Group (MMTG)
- Minority Affairs (maybe a new name)
- Women Chemists Committee
- Younger Chemists Committee
- Finance Committee
- Technology Committee
- Program Committee
- Local Chemistry Clubs
  * SVSU
  * CMU
  * Alma College
  * Delta College

FOR TEACHERS AND STUDENTS
- Chemistry Olympiad
- Project SEED
- Teacher Support
  * Science Coaching
  * Workshops
  * Other
- Travel Grants

ACTIVITIES AND EVENTS
- Members Plus
Listed here are events designed for members, with significant scientific content. These are also open to interested members of the public.
  * Programs
*Turner Alfrey Visiting Professor Lecture Series
*Fall Scientific Meeting
*ACS Day at the Midland County Fair

- Community
Listed here are frequent, sometimes annual, events that are sponsored by Midland Section ACS alone or with partners. These are free and open to the public, and sometimes involve science demos or hands-on experiences.

  *Earth Day
  *Sci-Fest / National Chemistry Week
  *Kids' Day at the Midland Mall
  *ACS Day at the Midland County Fair
  *Science Cafes
- Students / Teachers (see separate tab)

COMMUNICATIONS
- Current Events (see HOME and Google Calendar)
- Annual Reports (we will explain why recent years are not included)
- Newsletters
- News Clippings (we do not have a complete set but will offer what we have as examples)
- Meeting Minutes (see ABOUT US, or put them here)
- Blog (not sure if we will keep this)

ADMINISTRATION/MEMBERS
- Change Your Member Profile
- Board and Committee materials
- Section By-laws
- Section Handbook
- Member Spotlight (thinking about this)
- Recognition
  *Education Awards
  *Section Awards
  *Volunteer Appreciation

Please submit any suggested changes or comments to the Midland Section ACS Chair, Gina Malczewski, at reginamalczewski@gmail.com. Thank you for your time and interest in helping us develop a more useful and user-friendly website for our members and the general public at large.

Delta College Seeks Full-Time Chemistry Instructor

*Delta College Human Resources*

Delta College currently has an opening for a full-time chemistry instructor. The position is one-year renewable (division chair replacement). Required qualifications include:

- Master's degree in chemistry or closely related field from an accredited institution of higher education. Degree must be attained by August 1, 2015.
- Demonstrated currency in the field of chemistry.
- Minimum technology skills.
Teaching and industrial experiences will be considered. The position will remain open until filled. All application materials must be received before an applicant will be considered. For further details and qualification requirements, please see the web posting: https://delta.peopleadmin.com/postings/1924.

Antique Analytical Instrument—Free to Good Home
Theron Brayman, Member, Midland Section ACS

Does anyone in the Midland Section of the ACS collect antique analytical instruments? I am a retired chemist, formerly with Dow Corning, and I have a Kletz Bio color comparator that I would like to give to any interested individual.

It was patented in 1928 and has a metal base, two tubes for sample and standard, a light source and viewing eyepieces whose positions can be adjusted—sort of a transitional method between Nessler tubes and a colorimeter.

We are downsizing prior to moving to a milder climate and I would like to give this to someone who collects such things. If I can't find anyone, it will have to go in the trash, unfortunately. If anyone is interested, please contact Theron Brayman at 989-750-6749.

Upcoming Dates, Events, and Other Updates

- January 28 – Pre-registration deadline to participate in the SMART (Science Meets Art) program, a collaborative program involving scientists from the ACS and artists from Creative 360. For more information, see http://www.becreative360.org/events/yes-can-science-meets-art-2015-02-02/.
- January 29 (5:30 PM to ??) – Outreach Beach Party planning event, Gina Malczewski’s house, 4210 Linden Drive, Midland. For more information and to RSVP, please contact Gina at reginamalczewski@gmail.com.
- January 31 (12:00 – 5:00 PM) – ACS student chapter members’ fundraiser / lunch social event, featuring the FROZEN movie theme and college students dressed as Disney characters, Midland Brewing Company, 5011 North Saginaw Road, Midland. For more information, please contact Dale LeCaptain at lecap1dj@cmich.edu.
- February 1 – Deadline for ACS Fellow nominations. To submit a nomination, contact any Board member. Additional information regarding this award, eligibility, and nominations can be found at the following link: http://www.acs.org/content/acs/en/funding-and-awards/fellows.html.
- February 2 (1:00 – 3:00 PM) – SMART (Science Meets Art) program, Creative 360, 1517 Bayliss Street, Midland. Free program, but pre-registration is required. For more information, please see http://www.becreative360.org/events/yes-can-science-meets-art-2015-02-02/.
- February 2 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- February 9 (1:00 – 3:00 PM) – SMART (Science Meets Art) program, Creative 360, 1517 Bayliss Street, Midland. Free program, but pre-registration is required. For more information, please see http://www.becreative360.org/events/yes-can-science-meets-art-2015-02-02/.
- February 13 (6:30 – 8:30 PM) – 2nd annual Midland Section ACS broomball tournament, Midland Civic Arena, 405 Fast Ice Drive, Midland. For more information, please contact Dale LeCaptain at lecap1dj@cmich.edu or John McKeen at jcmckeen@dow.com.
- February 16 (1:00 – 3:00 PM) – SMART (Science Meets Art) program, Creative 360, 1517 Bayliss Street, Midland. Free program, but pre-registration is required. For more information, please see http://www.becreative360.org/events/yes-can-science-meets-art-2015-02-02/.
- February 18 (6:00 – 8:00 PM) – MMAIChE sponsored lecture, Entrepreneurship in Engineering, presented by Margie Pierce, Owner, Sourcing Engineers, Inc. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. For more information, see http://www.mmaiche.org/events.html and click on “Program Flyer” near the top of the page, or contact Bruce Holden at bsholden@dow.com.
- February 24 (Save the date) – ACS Program-in-a-Box event on the topic of Chemistry on the Silver Screen. For more information, contact Wendy Flory at wcfloy@dow.com.
- March 2 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- March 11 (6:00 – 8:00 PM) – MMAIChE sponsored lecture, Potential and Controversies of Fracking, presented by Aaron Johnson, Global Applications Development Leader, Dow Water & Process Solutions. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. For more information, see http://www.mmaiche.org/events.html and click on “Program Flyer” near the top of the page, or contact Bruce Holden at bsholden@dow.com.
- March 22–26 – 249th ACS National Meeting & Exposition, Denver, CO. For more information, see http://www.acs.org/content/acs/en/meetings/spring-2015.html.
- April 6 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- April 7 – 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.
- April 7 (6:00 – 8:00 PM) – MMAIChE sponsored lecture, SMI Snow Makers and the Sochi 2014 Olympics, presented by Joe VanderKelen, President, SMI Snow Makers. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. For more information, see http://www.mmaiche.org/events.html and click on “Program Flyer” near the top of the page, or contact Bruce Holden at bsholden@dow.com.
- May 4 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- May 6 (Save the date, evening program) – Midland Section ACS Spring Awards Banquet, Great Hall and Convention Center, 5121 Bay City Road, Midland. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- May 14 (Save the date) – 12th Annual ChEMS Research Forum, Huntington Club at Spartan Stadium on the campus of Michigan State University, East Lansing. For more information, please see http://www.chems.msu.edu/forum2015.
- May 27–30 – ACS Joint Great Lakes/Central Regional Meeting, Grand Rapids, MI. For more information, see http://jglcrm2015.com/.
- June 1 (7:00 – 8:30 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
The Midland Chemist is published twelve times a year by the Midland Section of the American Chemical Society, P.O. Box 2695, Midland, MI 48641-2695, http://www.midlandacs.org.

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