

THE MIDLAND CHEMIST

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Call for Abstracts for 2016 Fall Scientific Meeting – Abstract Deadline Extended to October 3rd *Michael Vagnini, Chair, 2016 Fall Scientific Meeting, Midland Section ACS*

Mark your calendars for the Midland Section's 72nd Fall Scientific Meeting! This year's event – with a theme of Solving Mysteries through Chemistry – will be held on Saturday, October 22, at Saginaw Valley State University. For the first time in several years, there will be concurrent sessions of oral presentations, offering more local scientists and students the opportunity to present their work. The poster session is also being expanded, and the Mid-Michigan Technicians Group is hosting a networking reception following the main Fall Scientific Meeting event. Our keynote speaker will be Dr. Christopher S. Palenik, VP and Senior Research Microscopist at Microtrace.

We are accepting abstracts for oral and poster presentations until **October 3rd**. Please e-mail abstracts to Peter Bai (PJBai@dow.com), indicating your preference for an oral or poster presentation. There are a limited number of oral presentation time slots, but all abstracts will be considered for the poster session. Please contact Fall Scientific Meeting Chair Mike Vagnini (MTVagnini@dow.com) with any questions.



ACS Fall Scientific Meeting

Saturday, October 22, 2016

Saginaw Valley State University, Curtiss Hall

Solving Mysteries Through Chemistry

ABSTRACT DEADLINE EXTENDED! October 3, 2016

E-mail Peter Bai at PJBai@dow.com, indicating oral (20 min.) or poster presentation – all topics are welcome!

For more details and to register (before Oct. 10), visit:

<https://goo.gl/forms/5Ajdd6JWrekE0y363>

Meeting highlights:

Expanded oral presentation sessions and a larger poster session!

More opportunities for industry professionals, academic researchers, and students to present in both formats. Invited speakers include:

Elaine Dougherty, Michigan State Police Crime Lab, Bridgeport

Prof. Ruth Smith, MSU Forensic Science Program

Prof. Heedeok Hong, MSU Dept. of Chemistry & Molecular Biology

Dr. Frankie Wood-Black, Sophic Pursuits, Inc.

Networking reception hosted by the Mid-Michigan Technicians Group!

An ACS-sponsored leadership course on Fostering Innovation!



Keynote Speaker

Dr. Christopher S. Palenik
*VP and Senior Research
Microscopist at Microtrace*

For any questions, please contact the Meeting Chair at MTVagnini@dow.com!

MMTG Announces 25th Anniversary Celebration Event and Joint Symposium at 2016 FSM

Jeff Seifferly, MMTG Co-Chair

The Mid-Michigan Technician Group (MMTG), which is an affiliated group of the Midland Section of the ACS, is hosting a symposium at our local Fall Scientific Meeting (FSM) in celebration of our 25th year anniversary. Our symposium will run in parallel with the FSM program. This year's FSM theme is Forensics – *Solving Mysteries through Chemistry* – and is being held on October 22 at SVSU. We have chosen our Keynote Speaker, Christopher Palenik of Microtrace, a forensic analytical scientist.

Along with the symposium, we will feature a historical presentation on the inception of MMTG in 1991, including our mission and goals, the 13 ChemLuminary Awards MMTG has received to date, and detail the various awards we have given out, such as the Outstanding Chemical Technology Student Award. We will also honor members of MMTG that have received awards as a Local Section Outstanding Chemical Technician or have won the National ACS Chemical Technician award (we have 6 ACS National awardees) at an award/celebration reception with MMTG member participants and local students enrolled in Delta College's Associate Degree programs (Chemical, Chemical Process, or Environmental Technology).

Our symposium/25th anniversary celebration is a joint effort by MMTG (industry technicians) and Delta's two-year Chemical Technology program. We will be partnered with Dr. Dave Baker of Delta College. He is the Chemical Technology program chair at Delta College and MMTG's liaison to the Chemical Technology students. He will be coordinating the student involvement in the symposium and celebration. We also hope to encourage the students and technicians to participate in the FSM afternoon poster session.

For more information, please contact Jeff Seifferly, 2016 MMTG Co-Chair, at jeff.seifferly@dowcorning.com or call 989-496-4239.

ACS Scholarships Awarded

Paul Schroll and Gina Malczewski

Each spring in March/April ACS scholarship applications administered through the Midland Foundation are reviewed. This year, Ray Leenhouts, Gina Malczewski, and Paul Schroll worked on the selection process. Each application was reviewed and scored using a matrix of criteria that included academics, financial need, an essay, references, extra-curricular involvement, and work experience. A category score of 1 was lowest and 5 was highest, with 30 the maximum overall score per student.

Six students applied in 2016, and all were worthy candidates. The top three applicants were **Madison Diehl**, studying Chemical Engineering at Michigan Technological University; **Madison Rase**, a student in Chemistry and Applied Mathematics and Physics at SVSU; and **Rachel Martini**, Biochemistry major at the University of Michigan. Each of them received \$2000. Congratulations to all these deserving young people!

We are hoping to increase our pool of applicants for the next cycle; to qualify, a student must major in a chemistry-related field, have graduated high school in one of our five member counties (Saginaw, Bay, Midland, Gratiot, or Isabella), and be successfully studying at a school in Michigan. The number of scholarships and the amounts awarded are based on fund financials each year. Application opportunities open December 1. Details can be found at the Midland Foundation website, <http://www.midlandfoundation.org/>.

Paul Schroll is ending his tenure on this committee and we sincerely appreciate his excellent leadership over the past three years. Julie Villano, Assistant Principal at H. H. Dow High School, will assume Chair duties for the 2017 scholarship review process.

12th Annual Midwest Carbohydrate and Glycobiology Symposium
Ben Swarts, Central Michigan University

12th Annual Midwest Carbohydrate and Glycobiology Symposium

at Central Michigan University
October 14th – 15th, 2016



MCGS will be held in CMU's new Biosciences Building



CMU's Warriner Hall in October

It is an honor to invite you to the 12th Annual Midwest Carbohydrate and Glycobiology Symposium (MCGS) at Central Michigan University, to be held October 14th and 15th, 2016. We are excited to continue the yearly tradition of gathering student and faculty glycoscientists from all over the Midwest region to share research advances and ideas in carbohydrate chemistry and biology.

For information about the 12th MCGS, including how to register and submit an abstract, please visit our website: <http://people.cst.cmich.edu/swart1bm/swartslab/mcgs/>

We look forward to seeing you in October.

Ben Swarts
ben.swarts@cmich.edu | (989) 774-2525
Department of Chemistry and Biochemistry
Central Michigan University

Editor's note: Please find the MCGS registration and abstract submission form on the following page. Registration and abstract submission deadline is Monday, October 10.

Registration and Abstract Submission Form

*12th Midwest Carbohydrate and Glycobiology Symposium (MCGS)
October 14th - 15th, 2016; Central Michigan University, Mt. Pleasant, MI*

Attendee Information:

Name:

Professional Title:

University/Affiliation:

E-mail Address:

Preferred Presentation Format:

(please place an X after your desired format)

Oral: ()

Poster: ()

Not Presenting: ()

Session Information:

(please place an X after the subject to which your presentation pertains)

Carbohydrate Synthesis: ()

Glycobiology: ()

Glycotherapeutics: ()

Carbohydrate Engineering: ()

Glycomics: ()

Renewable resources: ()

Other: (_____)

Travel Awards: 6 awards of \$200 are available to offset travel and lodging costs for postdocs/graduate students (3 awards) and undergraduate students (3 awards) giving oral or poster presentations. To be considered for these awards, please include your CV along with your abstract submission.

Abstract Information:

Title:

Authors (Presenter first):

Affiliations (Department, University, City, State, Zip Code):

Abstract (please limit to 500 words):

Special Needs or Additional Information:

Dr. Ben Swarts will be handling abstract submissions. Please submit this form to Dr. Swarts at ben.swarts@cmich.edu. Please use "MCGS2016 Registration and Abstract" as your e-mail subject line.

Chemists Without Borders Holds Successful ACS Symposium and Mixer at the Fall Meeting

Ronda Grosse, Board Member, Chemists Without Borders

At the invitation of the Analytical Chemistry Division of the American Chemical Society, Chemists Without Borders organized a symposium at the 2016 Fall National ACS



meeting in Philadelphia. This symposium was selected by Chemical & Engineering News as one of the meeting's "symposia you shouldn't miss", <http://cen.acs.org/articles/94/i31/guide-ACS-national-meeting-Philly.html>. **Mobilizing Chemistry Expertise to Solve Humanitarian Problems** was presented on Sunday, August 21. A collection of outstanding speakers from academic, industrial, government and non-profit sectors discussed approaches toward resolving some long-standing humanitarian issues. These included clean water for all, quality medicines and food sources, and science education in developing countries. The audience actively participated in the discussion both at the ACS symposium and the CWB-sponsored mixer following. Based on the fall meeting, the efforts of Chemists Without Borders were highlighted in the September 12, 2016 issue of C&E News, <http://cen.acs.org/articles/94/i36/CEN-profiles-Chemists-Without-Borders.html>. Projects covered at the symposium as well as additional humanitarian work using chemistry will be published in an upcoming ACS Symposium Series eBook.

Anyone interested in joining CWB can contact Ronda at rondagrosse@chemistswithoutborders.org or complete a request form on our website, www.chemistswithoutborders.org.



Support Needed for Science Clinics in Guatemala 2017

Gina Malczewski, Past-Chair, Midland Section ACS

As follow-up to an ACS grant-based initiative to bring science to a school in Santa Avelina, Guatemala, last January, a small team is headed back early next year. Not only are we focusing on training HELPS-based (preK-6) school teachers to present the most curriculum-relevant experiments, but an additional local school and a neighboring adult institute will send teachers to learn how to bring hands-on learning to the Mayan population in the Ixil Triangle. These indigenous peoples were decimated by the 36-year-long civil war that ended in 1996, and they are very receptive to educational opportunities and agronomy assistance. We are also investigating an opportunity to provide a workshop at Universidad del Valle de Guatemala on the same trip.

HELPS International is a Texas-based non-religious organization with programs that bring medical, educational, and agricultural support to this area in a way that requires commitment by the recipients. HELPS also sponsors teams that build energy-efficient stoves and install water filters in the homes of families that pay based on their abilities.

If you are interested in supporting this effort financially, please send a donation to the **HELPS Science fund** at the **Midland Area Foundation** (76 Ashman Cir, Midland, MI 48640). Any and all contributions are helpful; we are purchasing science equipment like vials and graduated cylinders, thermometers and stopwatches, while also instructing with locally-available inexpensive items. **All funds go toward supply costs.** I am happy to send pictures and a small summary after the trip to any who wish to know more about the results of this effort. I am happy to answer any questions--please contact me at reginamalczewski@gmail.com.



HANTZ GROUPSM

Dow Chemical Workshops

UPCOMING WORKSHOPS

- Thursday
January 26th, 2017
**Proactive Financial
Planning for 2017**
- Thursday
May 18th, 2017
**Retirement
Workshop**
- Thursday,
August 17th, 2017
Estate Planning

TO REGISTER:
Please Call Brett at
(989) 839-4916

NEXT SCHEDULED WORKSHOP:

TAX IMPACT ON BENEFIT ELECTIONS

OCTOBER 20, 2016 6:00 PM

MIDLAND COUNTRY CLUB

SPONSORED BY:

HANTZ FINANCIAL SERVICES, INC.*,
Brett Gehringer & Andrew Borowiak

SPEAKER: Fred Lambert, CPA

Join us for a workshop that may help
Minimize taxes through proper Benefit Elections!

TOPICS TO BE COVERED:

- Health Insurance Options and tax impact
- 401(k) contribution options and tax implications
 - Pre-Tax, Roth, After-Tax
- Roth IRA's for high income earners
- Other benefit decisions

Open Forum for Q&A at conclusion

Refreshments will be provided

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ACS Vote 2020 Task Force Seeks ACS Member Input

Tom Lane, *Ex Officio Director, Midland Section ACS*



COMMITTEE ON NOMINATIONS AND ELECTIONS VOTE 2020 Task Force

The ACS Vote 2020 Task Force has been charged with:

- **Communicating** with Society stakeholders to seek input on what is working well, and what needs to be improved, in the process to elect the national leadership of the Society;
- **Seeking input** on modern methods of running elections that could be incorporated in the Society's national election processes; and
- **Establishing** and presenting to the Committee on Nominations and Elections a comprehensive set of proposals by Spring, 2017.

WE INVITE COMMENTS ON:

- Aspects of the current ACS National Election process that you like the most.
- One major change that you would like to see about the ACS National Election process.
- What you like about how other organizations and groups to which you belong (or have heard about) elect their leaders.
- What you expect to be different in the ACS National Election process in the future.

SEND YOUR THOUGHTS AND IDEAS TO: Vote2020@acs.org

The Midland Chemist Trivia Challenge

Vickie Langer, *Co-Editor, The Midland Chemist*

14	28.086
3267	1.7
1412	
Si	
[Ne]3s ² 3p ²	4
2.33	

A trivia question featured in the September issue of *The Midland Chemist* asked, "What is the difference between silicon and silicone?"

A submission from a reader answers the question with, "A silicone is a polymer made from subunits that contain the element SILICON (along with carbon and hydrogen); the latter is a metalloid with semi-conducting properties." Additional information about the fascinating field of silicone chemistry may be found at the website: <http://www.dowcorning.com/content/discover/discoverchem/>. The winner of the September trivia challenge will be contacted by e-mail to receive an ACS Periodic Table pen.

In Past Issues of *The Midland Chemist*

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

50 Years Ago, *The Midland Chemist* 1966, 3, No. 4 (Oct.), 9.

In *The Professional Chemist* by Victor E. Meyer, P.R. and S. Committee: "... Of course, industrial and fundamental research are not always incompatible. Also, there are the other more usual reasons for publishing, e.g., the desire to contribute to the general fund of knowledge. However, as applied to the problem of the applied industrial research scientist, it seems to me that the more pressing problem is rather those who commit technical suicide via too low a professional activity rate. Most of us know at least one person who is just a little bit too busy on day-to-day problems to save out a little time for maintaining professional competency."

40 Years Ago, *The Midland Chemist* 1976, 13, No. 8, 8.

In *ACS San Francisco Meeting Report* by David C. Young: "Project SEED (Education and Employment of the Disadvantaged) continues. The Catalyst program has had another successful summer. 83 students participated at 50 schools. An additional 40 students participated in a program at Southern University, Shreveport, partially funded by Catalyst. 30 students participated in a federally funded program in Indianapolis, which was organized as an outgrowth of Catalyst. Thus the overall number of students affected through Catalyst was 163. Members will again be asked to contribute to SEED on the ACS Dues card. In addition, ACS Corporation Associates have been asked for \$25,000 and funds have been solicited from the Petroleum Research Fund."

30 Years Ago, *The Midland Chemist* 1986, 23, No. 7, 3.

In *Chairman's Corner* by Tom Lane: "The rain didn't dampen the spirits of the nearly sixty participants who attended the 1986 Authors' Night Program at Saginaw Valley State College on September 29. The evening began with an excellent presentation by Dr. E. Janet Berry of New York, NY. Her topic was, "A Chemist for All Seasons." Immediately following, the new chemistry/science building was opened and those who did brave the storm were able to view the twenty poster papers, enjoy refreshments, and tour the new facilities. The Section would like to thank George Eastland and his committee for an excellent program."

20 Years Ago, *The Midland Chemist* 1996, 33, No. 7, 19.

In *R.B. Woodward Exhibit Comes to the Midland Section* by Robert E. Kohrman: "A traveling exhibit detailing the life and accomplishments of Robert Burns Woodward is scheduled to be shown in the Midland Section during the month of October. This exhibit is sponsored by the Department of Chemistry of Central Michigan University, the College of Arts and Sciences at CMU, and the Midland Section of the American Chemical Society. The 12-panel display has been prepared by the Chemical Heritage Foundation of Philadelphia with guidance from an advisory committee chaired by Cornell University chemist Roald Hoffman."

10 Years Ago, *The Midland Chemist* **2006**, 43, No. 5, 15.

In *62nd Fall Scientific Meeting, The Future of Science and Science Education in the Mid-Michigan Area, Saturday, October 21, 2006, 8:30 am-12:30 pm, Dow Science Building, Central Michigan University* by Fall Scientific Meeting Committee: Robin J. Hood, co-chair, Wendell Dilling, co-chair, Ann Birch: "The Midland Section of the American Chemical Society would like to welcome you to the 62nd Fall Scientific Meeting. Because of the presentation of the Central Regional Meeting by the Section in May, this FSM is scaled down from meetings in the past. But there's plenty of thought-provoking information, from the timely topic of science education requirements to the wide-ranging research interests in the Midland Section area. Please join us!"

List of Advertisers in this Issue

Hantz Financial Services, Inc. Page 8

Upcoming Dates, Events, and Other Updates

- October 3 (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- October 3 – Deadline for submission of abstracts to the 2016 Midland Section ACS Fall Scientific Meeting has been extended to October 3rd. Please see flyer on page 2 for submission information.
- October 10 – Deadline for registration for the 2016 Midland Section ACS Fall Scientific Meeting. Please see flyer on page 2 for registration information.
- October 10 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- October 10 (Monday) – Abstract and registration deadline for the 12th Midwest Carbohydrate and Glycobiology Symposium (MCGS) to be held October 14-15 at CMU.
- October 14 - 15 (Friday and Saturday) – 12th Midwest Carbohydrate and Glycobiology Symposium (MCGS), Central Michigan University, Mt. Pleasant. Please see website for additional information at <http://people.cst.cmich.edu/swart1bm/swartslab/mcgs/>, or contact Dr. Ben Swarts at ben.swarts@cmich.edu or (989) 774-2525. Please see flyer and registration form on pages 4 and 5.
- October 20 (6:00 PM) – Hantz Group Dow Chemical Workshop, *Tax Impact on Benefit Elections*, Midland Country Club. Speaker: Fred Lambert, CPA. For more information, and to register for the workshop, please contact Brett Gehringer at 989-839-4916.
- October 22 (8:30 AM – 3:15 PM) – 2016 Midland Section ACS Fall Scientific Meeting, Curtiss Hall, Saginaw Valley State University. For more information, or any questions, please contact Mike Vagnini (MTVagnini@dow.com), Chair, 2016 Fall Scientific Meeting.
- October 22 – Mid-Michigan Technician Group (MMTG) Symposium and 25th Anniversary Celebration, to run in parallel with the 2016 Midland Section ACS Fall Scientific Meeting, Curtiss Hall, Saginaw Valley State University. For more information, please contact Jeff Seifferly, 2016 MMTG Co-Chair, at jeff.seifferly@dowcorning.com or 989-496-4239.

- November 7 (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- November 14 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- December 5 (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- December 12 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.

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Volunteer Staff

Vickie Langer	Editor (vlanger@dow.com)
Steve Keinath	Editor (skeinath54@charter.net)
Greg Cushing	Webmaster, electronic distribution
Tamlin Matthews	Membership roster, hardcopy mailings

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