

# THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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## **ACS to Recognize Mellon Institute, Important Site in Dow-Corning History**

***Keith Lindblom, ACS National Historic Chemical Landmarks Program Manager***

The Mellon Institute of Industrial Research will be recognized as a National Historic Chemical Landmark by the American Chemical Society on March 28, 2013, during a ceremony in Pittsburgh, Pennsylvania. Established in 1913 to conduct sponsored scientific research, the Institute provided research services at a time when relatively few manufacturers operated research laboratories of their own.

One project in the early 1930s, sponsored by the Macbeth-Evans Glass Company (later purchased by Corning Glass Works), investigated the use of silicates as adhesives for glass blocks. The qualities of materials being produced from silicates were so promising that Corning and the Dow Chemical Company established the Dow Corning Corporation to jointly pursue research in the development and manufacture of organosilicones.

Hundreds of scientists, including early Dow Corning scientists Rob McGregor, Earl Warrick, and John Speier, were trained in fundamental and applied research at the Mellon Institute. In 1967, the Mellon Institute merged with the Carnegie Institute of Technology to form Carnegie Mellon University.

For more information, contact Keith Lindblom, ACS National Historic Chemical Landmarks Program Manager, at [k\\_lindblom@acs.org](mailto:k_lindblom@acs.org) or visit [www.acs.org/landmarks](http://www.acs.org/landmarks).

# Midland ACS Section Town Hall - Open House

Monday, March 25<sup>th</sup> 2003  
Midland Center for the Arts

<u>Event</u>	<u>Location</u>	<u>Time</u>
Networking Mixer	Saints & Sinners Lounge	5:30 - 7:00pm
Committee Photo Opportunity	Main Lobby	6:30 - 7:00pm
Open Board/Town Hall Meeting	Downstairs Lecture Room	7:00 - 9:00pm

**Networking!**

**Friends!**

**Refreshments!!**

The Midland ACS Section is hosting an open house to allow members and non-members alike to interact with local section leadership and members while learning about the many opportunities and services associated with our local ACS Section. Refreshments will be provided during a family friendly networking/open house prior to an open town hall meeting with the local section leadership. A photographer will be on hand to take committee/group photos during the networking mixer. Invite your friends, family, colleagues, and potential ACS members to this informative and entertaining section event!

**Posters and Demos!**

**Photo  
Opportunity!**

**Family Friendly!**



The Midland Section of the American Chemical Society  
*Serving the Michigan counties of Midland, Gratiot, Bay, Saginaw and Isabella*

Questions? Contact Section Secretary: [grandboismatthew@gmail.com](mailto:grandboismatthew@gmail.com)

## **Announcing the 2013 Spring Science Awards Banquet and Call for Nominations**

***Lauren Huffman, Awards Committee Chair***

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 and nominate that outstanding person to be recognized at the American Chemical Society-Midland Section Awards Banquet which will be held on Tuesday, April 23, at the Great Hall Banquet and Convention Center in Midland. This promises to be an exciting event. 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 30 minutes to put together an award winning letter and an additional 15 minutes soliciting supporting letters and following up on them. Think of what it will mean to that person and how good you will feel about your good deed.

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 these at the end of the call for nominations along with a web address where you can find out more information (see below).

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and 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. A nomination letter example can be requested from the Awards Committee Chair, Lauren Huffman ([lmhuffman@dow.com](mailto:lmhuffman@dow.com)). Nominations not meeting the minimum requirements, and submissions received after the March 29 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 on the speaker, time and price right here in *The Midland Chemist* in the coming month!

Contact me if you have any questions, Lauren Huffman, Midland Section ACS Awards Committee Chair ([lmhuffman@dow.com](mailto:lmhuffman@dow.com)).

## **Call for Nominations: 2013 Science Teaching, Volunteer, Education, and Chemical Sciences Awards**

***Lauren Huffman, Awards Committee Chair***

Each year, the Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the chemical sciences. Nominations for the 2013 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 Achievement in the Promotion of Diversity in Chemistry, Related Sciences and Engineering
- 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 Achievement in the Promotion of Diversity in Chemistry, Related Sciences and Engineering**

This award is presented biannually to a person or group residing in Midland, Bay, Saginaw, Isabella or Gratiot County for outstanding achievement in enhancing the participation of underrepresented groups in the study of chemistry, related sciences and engineering. Members of the Midland Section Minority Affairs Committee are ineligible to receive this award.

### **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 related field and whose primary job includes conducting experimentation or correlating information to help solve chemical problems or discover new chemical knowledge. Nominees must have successfully completed a two-year post-high school level chemistry curriculum leading to an Associate Degree, the equivalent course in a Baccalaureate Program, or equivalent experience. Chemical technicians do not need to be an ACS member to be eligible for this award. Nominations

should include outside affiliations. *Request the National ACS nomination form from the Awards Committee Chair to nominate in this category.*

### **Outstanding Chemistry Students**

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

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 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. Nominations not meeting the minimum requirements and submissions received after the March 29 deadline will not be considered. The deadline for nominations is March 29, 2013. Mail or Fax submissions are acceptable; *electronic (e-mail) submissions are preferred*. All submissions must be accompanied by the name, position, address and phone number of the nominator.

Award recipients as well as Chemistry Olympiad winners and Fifty/Sixty Year ACS Members will be honored at the 2013 ACS Recognition Dinner on April 23.

The Awards Committee greatly appreciates the efforts involved in nominating someone and wishes to thank you for helping to recognize deserving educators in our 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 Lauren Huffman.

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

Lauren M. Huffman  
ACS Awards Committee Chair, Midland Section  
The Dow Chemical Company  
Michigan Operations  
Building 1710, Lab 40  
Midland, MI 48674  
Phone: (989) 636-7371; Fax: (989) 638-6619  
E-mail: [lmhuffman@dow.com](mailto:lmhuffman@dow.com) or [awards@midlandacs.org](mailto:awards@midlandacs.org)



## American Chemical Society – Midland Section

### Previous Recipients of Midland Section ACS Awards

#### Elementary Level Science Education

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

#### Middle Level Science Education

1992	Derrell Steffen
1993	Laurie Hepinstall
1994	JoAnn Kraut
1995	No Recipient
1996	Barbara J. Bibbee
1997	Gary J. Johnson
1998	No Recipient
1999	No Recipient
2000	No Recipient
2001	No Recipient
2002	Joel Mikusko
2003	No Recipient
2004	Christine Brillhart
2005	No Recipient
2006	Matthew Miller
2007	John Hoving
2008	Mark Koschmann
2009	Carla Piazza
2010	Melinda Coyle
2011	Jennifer Lenon
2012	Jayne Swanson

#### High School Chemistry Teaching

1989	Robert Wallace
1990	Gary Ronk
1991	No Recipient
1992	John Clark, Edna Konwinski
1993	Mary Irons
1994	Jo Ann Pelkki
1995	No Recipient
1996	Sandra Schafer
1997	Mary Fredell
1998	Dale Ressler
1999	Robert Enszer
2000	Steven Kelly
2001	William Stokes
2002	Robert Hansen
2003	No Recipient
2004	Doug Grezeszak
2005	Pamela Thompson
2006	Daniel Sealy
2007	No Recipient
2008	No Recipient
2009	Nancy Vossen
2010	Sandra Schafer
2011	David Allan
2012	David Bruessow

#### College Chemistry Teaching

1989	Joan Sabourin	2001	Sandra Smith
1990	Bob Howell	2002	Margaret Hill
1991	Robert Kohrman	2003	Dale Meier
1992	Scott Hill	2004	Katherine Blystone
1993	Ajit Sharma	2005	Ronald Sharp
1994	Laura Vosejpka	2006	Arthur G. Smith
1995	George Eastland	2007	Cynthia N. Peck
1996	Martin Spartz	2008	No Recipient
1997	Philip Squattrito	2009	No Recipient
1998	Thomas Delia	2010	Anton Jenson
1999	Steven E. Keinath	2011	No Recipient
2000	James Hutchison	2012	David S. Karpovich

### Science Education Volunteer

1992	Gregg Young	1999	William Albe	2007	Teri Bickmore
1993	Peter Bonk	2000	Karol Childs		Cal Goeders
1994	Peter Moehs	2001	Donald Petersen	2008	Tim Drier
1995	Gretchen Kohl	2002	Joan McMahon	2009	Dave Stickle
1996	John Blizzard	2003	John Blizzard	2010	Lisa Thackery
	Richard Van Effen	2004	Jan Zanyk	2011	Charles & Barbara Roth
1997	Marvin Tegen	2005	Eldon Graham	2012	Estelle Lebeau
1998	Carlton Beyer	2006	Tom Chamberlin		

### Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering (Awarded every other year)

2002	George Gant, Richard Stringfield	2008	Sandra Parker
2004	Smallwood Holoman, Jr.	2010	Theophilus Leapheart
2006	Joan Sabourin	2012	Linneaus Dorman

### Outstanding Chemical Technician

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

### Outstanding Achievement and Promotion of the Chemical Sciences

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

### Outstanding Service to the American Chemical Society

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

### Thomas H. Lane Science Education Award

2009	Ian Harrier
2010	No Recipient
2011	No Recipient





## American Chemical Society – Midland Section

### Nomination Form for 2013 Outstanding High School/Collegiate Chemistry Student

Dept. Chair or other Nominator: \_\_\_\_\_

Telephone number: \_\_\_\_\_

Email address (required): \_\_\_\_\_

School: \_\_\_\_\_

\*\*\*\*\*

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

Home address: \_\_\_\_\_

Telephone number: \_\_\_\_\_

E-mail address (required): \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please return this form to the following address no later than **March 29, 2013**:

Lauren M. Huffman  
ACS Awards Committee Chair, Midland Section  
The Dow Chemical Company  
Michigan Operations  
Building 1710, Lab 40  
Midland, MI 48674  
Phone: (989) 636-7371; Fax: (989) 638-6619  
E-mail: [lmhuffman@dow.com](mailto:lmhuffman@dow.com)

## ACS National Awards

[ACS Award for Achievement in Research for the Teaching and Learning of Chemistry](#)  
[ACS Award for Affordable Green Chemistry](#)  
[ACS Award for Computers in Chemical and Pharmaceutical Research](#)  
[ACS Award for Creative Advances in Environmental Science and Technology](#)  
[ACS Award for Creative Invention](#)  
[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](#)  
[ACS Award in Chromatography](#)  
[ACS Award in Colloid and Surface Chemistry](#)  
[ACS Award in Industrial Chemistry](#)  
[ACS Award in Inorganic Chemistry](#)  
[ACS Award in Organometallic Chemistry](#)  
[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](#)  
[Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry](#)  
[Alfred Bader Award in Bioinorganic or Bioorganic Chemistry](#)  
[Earle B. Barnes Award for Leadership in Chemical Research Management](#)  
[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](#) (Organic Chemistry)  
[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](#) (service to chemistry by women chemists)  
[James T. Grady - James H. Stack Award for Interpreting Chemistry for the Public](#)  
[Ernest Guenther Award in the Chemistry of Natural Products](#)  
[E. B. Hersberg Award for Important Discoveries in Medicinally Active Substances](#)  
[Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids](#)  
[Ipatieff Prize](#)  
[Ralph F. Hirschmann Award in Peptide Chemistry](#)

[E. V. Murphree Award in Industrial and Engineering Chemistry](#)  
[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](#)  
[George C. Pimentel Award in Chemical Education](#)  
[Priestley Medal](#) (distinguished services to chemistry)  
[Glenn T. Seaborg Award for Nuclear Chemistry](#)  
[Gabor A. Somorjai Award for Creative Research in Catalysis](#)  
[E. Bright Wilson Award in Spectroscopy](#)  
[The Ahmed Zewail Award in Ultrafast Science and Technology](#)  
[Recognizing our Heroes of Chemistry](#)

Criteria and deadlines for the National ACS awards and other grants and considerations can be found at:  
[http://webapps.acs.org/findawards/detail.jsp?ContentId=CNBP\\_022409](http://webapps.acs.org/findawards/detail.jsp?ContentId=CNBP_022409)

## **National ACS Scholarships and Grants**

### ***National ACS***

#### **Considering Teaching as a Second Career? ACS Scholarships Available**

The ACS-Hach Second Career Teacher Scholarship is awarded to professionals in the chemistry field pursuing a Master's degree in education or becoming certified as a chemistry/science teacher. Up to \$6,000 per year is available. Apply by April 1 at [www.acs.org/hach](http://www.acs.org/hach).

#### **Know Any Chemistry Undergrad Students Interested in Teaching? This Will Help**

The ACS-Hach Land Grant Undergraduate Scholarship is awarded to undergraduate chemistry majors who attend one of our 72 partner institutions and are interested in teaching high school chemistry. Scholars will receive \$6,000 per academic year for up to six years. Contact the partner institution for application and renewal details at [www.acs.org/hach](http://www.acs.org/hach).

#### **ACS-Hach High School Chemistry Grants for School Teachers in Your Community**

Grants of up to \$1,500 are available to chemistry teachers with innovative ideas that will transform classroom learning. Apply by April 1 at [www.acs.org/hach](http://www.acs.org/hach).

#### **Experienced a Recent Job Separation?**

##### ***Michelle Cummings, Chair-Elect***

The Midland Section would like to assist our members who recently experienced a job separation. There are several resources available to you as members on the National ACS website ([www.acs.org/careers](http://www.acs.org/careers)). A team of volunteer ACS experts are standing by to assist you via e-mail and/or phone with almost any career questions you might have, including:

- Résumé preparation
- Job search strategies
- Interviewing techniques
- Making a career transition

- Salary negotiation techniques
- And more . . .

To ensure that you receive the most up-to-date information, please take the opportunity to update your contact information on [www.acs.org](http://www.acs.org).

A trained, local ACS Career Consultant, Gerard Nowaczyk ([gerard.s.nowaczyk@dowcorning.com](mailto:gerard.s.nowaczyk@dowcorning.com)), is available for you to contact regarding your personal situation. The Local Section is also pulling together a training class that will be open to you as ACS members and that will also cover these aspects of a career transition. Watch for updates and more specifics coming soon.

**Midland Section to Host 44<sup>th</sup> ACS Central Regional Meeting (CERM), May 2013**  
***Phil Squattrito, Meeting Chair***



The 44th Central Region Meeting (CERM 2013) of the American Chemical Society will be held on May 15–17, 2013 on the campus of Central Michigan University in Mt. Pleasant, Michigan. The general theme of the meeting is *Building Blocks for a Sustainable World*.

Technical sessions on various aspects of chemistry related to sustainability as well as general sessions in the traditional areas of chemistry and chemical education are planned. Papers and posters are requested for symposia covering chemical education, analytical, biological, computational, environmental, inorganic, organic, medicinal, physical, and polymer chemistry, and more.

Abstract submission is now open. Abstracts may be submitted online at <http://abstracts.acs.org>. The deadline for abstract submission has been extended to March 27, 2013.

Technical program highlights will include poster sessions, undergraduate research symposia, a beer and wine making symposium with a related visit to a brewery, a silicon science symposium to celebrate the 150th anniversary of the discovery of organosilicon compounds and the 70th anniversary of Dow Corning Corporation, a sustainability symposium, materials-related (including nanotechnology) symposia, symposia about chemistry and global health, re-examining water fluoridation, and also water-biogeochemistry, an exhibition showcasing the latest products and materials from a range of vendors, and technical and career workshops.

A series of plenary sessions will feature prominent speakers on topics of global significance. Confirmed plenary speakers include Dr. Martine Vermeulen, retired Global Manager of Product Safety & Regulatory Compliance at Dow Corning; Dr. Mark E. Jones, Executive External Strategy and Communications Fellow, The Dow Chemical Company; and Dr. Kishor Wasan, Professor and Associate Dean of Research at the University of British Columbia.

Special events will include chemistry related art and history exhibits (*History of The Dow Chemical Company Plant in Mt. Pleasant - 1903–1930*; *Images of The Dow Chemical Company from the Brush of Arthur Knighton-Hammond*; and *History of the Midland ACS Section, 1919–2013*) with an art reception.

The Awards Banquet on Thursday night will feature the presentations of the ACS Division of Chemical Education Regional Award for Excellence in High School Chemistry Teaching, the E. Ann Nalley Regional Award for Volunteer Service to ACS, and the Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences. The featured speaker will be Dr. Mary Kirchhoff, ACS Director of Education.

Advance registration for the meeting will end on April 19, 2013. Regular registration will continue through May 17, 2013. Please visit the CERM 2013 website (<http://2013cerm.sites.acs.org/>) for registration and contact information, useful Web links, and up-to-date details on events as they become available.

All Midland Section ACS members are invited to submit abstracts and attend the meeting. Volunteers to help with planning and hosting the meeting are still welcome as well. Please contact Phil Squattrito ([p.squattrito@cmich.edu](mailto:p.squattrito@cmich.edu) or 989-774-4407) to volunteer or for more information.

### **MMI Announces 2013 TAVP Program and Visit Dates** **Steve Keinath, Director and TAVP Program Coordinator**

The Michigan Molecular Institute (MMI) is pleased to announce that Professor Kenneth Shull from Northwestern University will be the 2013 Turner Alfrey Visiting Professor (TAVP). His Northwestern website (<http://shullgroup.northwestern.edu>) will give you a feel for his current R&D activities and interests, since the specific details about Prof. Shull's TAVP course lecture topic and various stand-alone seminar topics aren't in hand yet.

Prof. Shull will be in residence at MMI from Monday, June 17, through Wednesday, June 26. The first week (June 17–21) will be the week in which he will give a series of five afternoon course lectures, plus make quick visits to MSU and SVSU, and participate in an opening reception at MMI, and a joint technical society evening dinner meeting (June 19). The second week (June 24–26) will be dedicated to full-day site visits to Dow, Dow Corning, and CMU. Please mark your calendars with the 2013 TAVP visit dates now, and stay tuned as more information becomes available.

### **Midland Section ACS Historical Exhibit at Clarke Historical Library** **Wendell Dilling, Director and Historian**

The Midland Section ACS currently has an exhibit of Section historical materials on display in the Clarke Historical Library (within the Park Library) at Central Michigan University. This exhibit will be on display for the first half of 2013, and will also be featured at the 44<sup>th</sup> ACS Central Regional Meeting being held at CMU on May 15-17, 2013.

As part of that exhibit, four banners (the pictures of which are shown on the following four pages) were produced by Janet Danek, Coordinator of Exhibits at the Park Library at CMU. Local Section members are encouraged to view the entire exhibit in person at their leisure, or to stop by for a quick visit during the Central Regional Meeting.



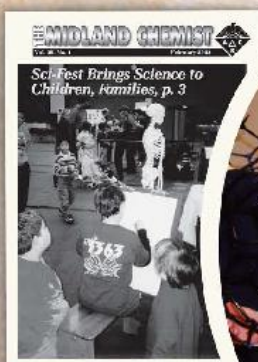
# AMERICAN CHEMICAL SOCIETY MIDLAND SECTION

## ESTABLISHED

The Midland Section of the American Chemical Society was chartered in December 1919.

Initially, its purpose was to provide an opportunity for scientific discussion among those employed at the Dow Chemical Company. Over the last 90 years, the organization's purpose has evolved with its growing support and education of the scientific community.

*American Chemical Society*  
The initial meeting of the Midland section of the American Chemical Society was held at the Educational Building of the Dow Chemical Co. Tuesday afternoon Dec 2nd, 1919. Dr. W. J. Hale acting as temporary chairman. Organization of the chapter was completed with the following election of officers:-  
Chairman H. H. Dow  
Vice Chairman, - M. C. Putnam  
Sec. Treas., - E. C. Kennedy  
Councillor, - W. J. Hale  
Executive Committee, - [Joan F. Harlow, M. G. Seaton, The [unclear] for...]  
...is moved and seconded that the [unclear] be instructed to communicate with the councillors of other chapters, [unclear] [unclear] [unclear] so that [unclear] ballot for the [unclear] [unclear] [unclear]

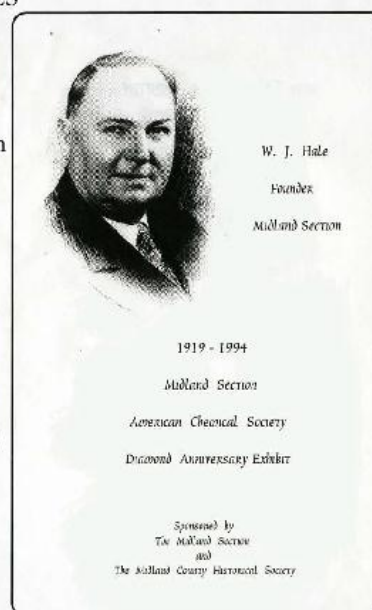


Courtesy of the Central Chemical Library, Central Michigan University

# AMERICAN CHEMICAL SOCIETY MIDLAND SECTION

## MILESTONES

- 1919 Midland Section chartered by National ACS
- 1919 First Section Chair - H.H. Dow
- 1945 First Fall Scientific Meeting
- 1952 First Midland Section member served as  
National ACS President - Edgar C. Britton
- 1962 First E. C. Britton Symposium on  
Industrial Chemistry
- 1964 First issue of The Midland Chemist
- 1974 First Outstanding Local Section Award  
won by the Midland Section
- 1982 First Central Regional ACS Meeting  
hosted by the Midland Section
- 1983 First Public Information Forum (Dioxins)
- 1987 First ACS National Chemistry Day -  
SciFest program
- 1989 First female Section Chair - G. Kohl
- 1997 First National Historical Chemical  
Landmark in the Midland Section
- 2009 Second Section member served as  
National ACS President - Thomas H. Lane





# AMERICAN CHEMICAL SOCIETY MIDLAND SECTION

## CORE ACTIVITIES

Well into the 1940s it was common for more than 100 Section members to attend the twice-weekly meetings. The programs brought to Midland noted outside speakers who shared the latest developments in chemistry. Today the Section continues to sponsor regular, well-attended lectures and presentations enriching the membership's knowledge of chemistry.

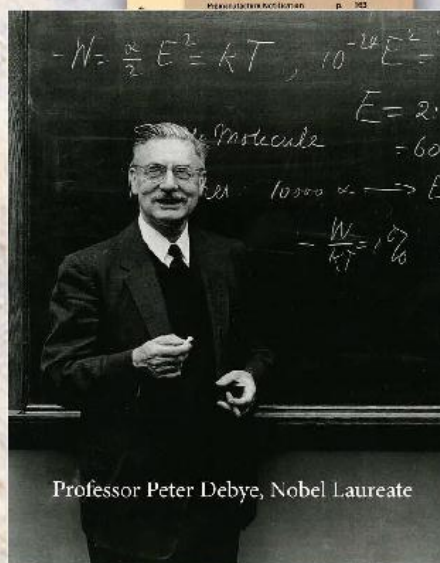
- Programs
- Short Courses
- Fall Science Meetings
- Lectures and Presentations
- Educating the Community
  - Chemistry Outreach
  - Science Teacher Collaboration
  - Public Information and Events
  - Educated Students at all levels
  - Scholarship Opportunities
  - 1956 Radio Quiz Show

**The Midland Chemist**

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Professor Peter Debye, Nobel Laureate

Courtesy of the Clarke Historical Library, Central Michigan University



# AMERICAN CHEMICAL SOCIETY MIDLAND SECTION

## ACHIEVEMENTS

- Section Scholarships
- Project Science Literacy Program
- Project SEED – student hosted
- Student Essay Contest
- Chemistry Explorer Post
- National Chemistry Olympiad involvement by Midland Section
- ChemLuminary Award
- Newsletter: The Midland Chemist
- Section Awards
  - Outstanding Achievement
  - Service to ACS Technician
  - Science and Chemistry Teaching
  - Education Volunteer

## The Midland Chemist



Vol. 10, No. 5 Midland, Michigan May, 1973



Period seven current ACS officers 7  
Meet with the committee - May 21

## The Midland Chemist Call For Nominations 2003 Midland Section Awards

It's time again to nominate deserving individuals for the 2003 Midland Section awards. The awards are described below.

**Outstanding Achievement and Promotion of the Chemical Sciences**  
Each year the Midland Section honors an individual working with in the field of chemical sciences. This award recognizes outstanding achievement and service to the chemical profession. The recipient must be an ACS member. Nominations should include a biographical sketch, list of pertinent publications, in absence of professional growth and involvement, and letters of support from colleagues. Previous recipients:

1976	James H. Egan, Jr.	1980	Joseph E. Dwyer
1977	David C. Young	1981	Thomas H. Lano
1978	David A. Stanger	1982	Donald A. Tomlin
1979	David R. Stal	1983	David J. Miller
1980	Paul A. Alward	1984	Philip T. Dabrowski
1981	Wendell J. Dilling	1985	James R. W. Light
1982	Donald E. Weyenberg	1986	James G. Ellis
1983	Edward P. Floodman	1987	Leo K. Fernald
1984	Edward P. Boyer	1988	Patrick R. Sartin
		1989	David E. Horton
		1990	Steven J. Martin
		1991	Edwin C. Gieseler
		1992	Thomas J. Doherty



## Anderson Development Company Seeking to Hire a Quality Control Specialist

**Mark Kramer, Anderson Development Company**

Anderson Development Company is a fine and specialty chemical company located in Adrian, MI, about 45 min SW of Ann Arbor, MI and 40 min NW of Toledo, OH. Although, many people have never heard of us, I can guarantee that you have seen our products without knowing it, in someone else's product. We have done custom synthesis work for Midland area chemical companies.

We are seeking to hire a quality control specialist. We are looking for a person with an Associate's degree or equivalent in laboratory experience (10+ years in QC lab). The following experience is necessary for this position:

- Instrument calibrations, troubleshooting, and repairs (GC, LC, FTIR, Titrator, GC-MS, etc.)
- GC (Varian CP-3800, 3900 & 450-GC)
- LC (Varian 410)
- FTIR (Varian Excalibur 3100)
- Titrator (Brinkmann or Metrohm)
- Knowledge of Galaxie Analytical Software or equivalent
- Method Development and Material Verification
- Proficient with Microsoft Office, Visual Basic, and Access
- Knowledge of Sample Manager LIMS (Laboratory Information Management System) or equivalent
- Ability to multi-task and adapt to a fast pace laboratory environment

We are just starting to talk to people, so the timing is good to send employment inquiries our way now. For more information, contact Mark Kramer ([mark.kramer@anddev.com](mailto:mark.kramer@anddev.com)) or send inquiries to the Anderson Human Resources group in Adrian ([HR.Adrian@anddev.com](mailto:HR.Adrian@anddev.com)).

## Upcoming Dates, Events, and Other Updates

- March 25 (5:30-7:00 PM) – Midland Section ACS Open House, Midland Center for the Arts (MCFTA), Saints & Sinners Lounge. Town Hall meeting to follow in the MCFTA Board Room at 7:00 PM.
- March 25 (7:00-9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- March 27 – Abstract submission deadline for 44<sup>th</sup> ACS Central Regional Meeting (CERM). Abstracts may be submitted online at: <http://abstracts.acs.org>.
- March 29 – Deadline for 2013 Science Teaching, Volunteer, Education, and Chemical Sciences Awards nominations. Contact Lauren Huffman ([lmhuffman@dow.com](mailto:lmhuffman@dow.com)), Awards Committee Chair, for questions.
- April 1 – Application deadline for ACS-Hach Second Career Teacher Scholarships. Contact [www.acs.org/hach](http://www.acs.org/hach).
- April 1 – Application deadline for ACS-Hach High School Chemistry Grants. Contact [www.acs.org/hach](http://www.acs.org/hach).
- April 19 – Advance registration deadline for 44<sup>th</sup> ACS Central Regional Meeting (CERM). Visit the CERM 2013 website (<http://2013cerm.sites.acs.org/>) for registration details and other information.
- April 23 (Evening, specific time TBD) – Midland Section ACS Spring Science Awards Banquet, Great Hall Banquet and Convention Center, Midland. Contact Lauren Huffman ([lmhuffman@dow.com](mailto:lmhuffman@dow.com)), Awards Committee Chair, for questions.

- April 25 (Daytime and evening events, specific times TBD) – Midland Section ACS Career Day, Great Hall & Convention Center, Midland. Contact Michelle Cummings ([michelle.cummings@dowcorning.com](mailto:michelle.cummings@dowcorning.com)), Midland Section Chair-Elect, for more information.
- May 6 (7:00-9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- May 15–17 (Wednesday-Friday) – 44<sup>th</sup> ACS Central Regional Meeting (CERM) (<http://2013cerm.sites.acs.org/>), Central Michigan University, Mount Pleasant, MI. For more information, contact the 44<sup>th</sup> CERM Meeting Chair, Phil Squattrito, at [p.squattrito@cmich.edu](mailto:p.squattrito@cmich.edu) or by phone at 989-774-4407.
- June 3 (7:00-9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- June 17–21 (3:00-6:00 PM, each day) – 2013 TAVP course lectures, featuring Prof. Kenneth Shull of Northwestern University, MMI Auditorium, Midland. Contact Steve Keinath ([keinath@mmi.org](mailto:keinath@mmi.org)) for questions.
- June 19 (6:30-9:00 PM) – TAVP joint technical society dinner meeting, lecturer Prof. Kenneth Shull of Northwestern University, venue TBD. Contact Steve Keinath ([keinath@mmi.org](mailto:keinath@mmi.org)) for questions.