



Back row (l-r): Gretchen Kohl (Alt. Councilor and Co-chair National Chemistry Week), Dale LeCaptain (Alt. Councilor), Dorie Yontz (Chair-elect and Chair Program)

Front row (l-r): Tom Lane (Councilor), Bob Howell (Councilor), Dee Strand (Chair)

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Another Fun-Filled SciFest in 2006!, pg. 10

THE MIDLAND CHEMIST

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Chair Column

New Year's Resolutions

A Japanese proverb tells us that “Beginning is easy—continuing is hard.” Many of us who have made New Year’s resolutions in the past know how true this is. As we start the new year, I’d like to thank the Midland Section of the ACS for the opportunity to lead this organization as it continues its high level of accomplishments. In 2006, our Section received four ChemLuminary awards for Outstanding Section Award—Medium; Outstanding High School Student Program Award; Chemists with Disabilities Inclusion Award; and Younger Chemists Committee Award. In addition, the Central Regional Meeting was a highlight of the year. Led by Kurt Brandstadt, the CRM is being used as an example nationwide for “how to do it well.” National Chemistry Week activities in West Branch and at Sci-Fest continue to reach out to the children and youth in the area. We continue to honor outstanding efforts by local educators, students, and professionals with Section awards. Our 2006 Fall Scientific Meeting emphasized the continued importance of science education. The success of these programs and many others not mentioned here is due to the long-term dedication and hard work of Section members and leadership, as well as the on-going financial support of Dow Corning and Dow Chemical.



Dee Strand, Chair
ACS Midland Section

Thus, beginning my new role as chair of the Midland Section is the easy part. For those who don’t know me, I am a chemist who has worked for Dow Chemical for 17 years. I spent most of those years in the Analytical Sciences lab, primarily supporting Dow’s Advanced Electronic Materials business. Last year, I took on a new role in a New Business Development group within Dow’s Performance Plastics and Chemicals organization. I am relatively new to ACS, but have been impressed with the level of professionalism and energy in the organization and feel that it has much to offer for its membership.

I would like to welcome several new board members. Our 2007 chair-elect is Dorie Yontz, and our new secretary is Beth Nichols. We have also added Pat Smith and Dale Meier to our board of directors. Scott Gaynor and Angelo Cassar have assumed the committee chair positions of awards and publicity, respectively. I would like to express a hearty thank you to Petar Dvornic, Dave Stickles, Minghui Chai, and Deb Rothe as they rotate off the board and/or committee chair positions.

Now let's talk about the harder part—the continuing. We are already discussing the 2007 Fall Scientific Meeting and are actively recruiting committee and program chairs. The tentative theme is adhesion science, and we look forward to an excellent opportunity to learn more about this sticky subject.

Continuation of our many fine programs means a renewed emphasis on increasing Section membership and involvement. We are fortunate that the Section financial hardship of the last few years has eased, and want to ensure that our newly increased funding is used well for the benefit of Section members and the community. While we are extremely grateful for the increased sources of funding, it is people who do good things with that funding. So resolve (the easy part) to get involved and then actually do it! We are soliciting funding proposals for enhancement of existing programs or for new programs and would welcome them from any Section member.

ACS is one mechanism for all of us to “give back,” whether it be to the professional community by leadership of scientific meetings/presentations or to the broader community in education outreach to adults, youth, and children. The new high school graduation requirements present an excellent opportunity for professional scientists and engineers to help our local schools. I am actively seeking volunteers for a number of school programs—please contact me if you are interested.

Aristotle describes, “A whole is that which has beginning, middle, and end.” Therefore, as I begin my tenure, I'd like to express my gratitude to Buford Lemon as he ends his time as Section chair for the excellent leadership he provided. With all of your continued support of our “award-winning” local section, I am confident we have a WHOLE lot to look forward to this year!

Dee

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Meet Your 2007 Section Leaders

By Ann Birch

Below and on the next two pages are the lists and some photos of the 2007 Board of Directors and committee chairs. Please don't hesitate to contact a Board member or committee chair with any questions you have or if you are interested in volunteering. There is always room for an additional committee member or volunteer. Come to a Board meeting sometime and see what's going on!

Midland Section Board of Directors

Chair

Dee Strand*	strandda@dow.com	989-636-5056
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Chair-Elect

Dorie Yontz*	dyontz@dow.com	989-636-2571
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Secretary

Beth Nichols*	bmnichols@dow.com	989-638-6959
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Treasurer

Csilla Kollar*	csilla.kollar@dowcorning.com	989-496-8452
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Past Chair

Buford Lemon*	blemon@dow.com	989-636-4189
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Councilors

Bob Howell (08)	bob.a.howell@cmich.edu	989-774-3582
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Tom Lane (07)	tom.lane@dowcorning.com	989-496-4181
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Alt. Councilors

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Gretchen Kohl (07)	gretchen.kohl@dowcorning.com	989-496-8200
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Chair, Nominations and Elections Committee

Brett Zimmerman	b.zimmerman@dowcorning.com	989-496-6526
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Wendell Dilling* (07)	dilli1wl@cmich.edu	989-631-1621
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John Blizzard (08)	jbvliz@chartermi.net	989-496-1434
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Connie Murphy (08)	cjmurphy@dow.com	989-636-2961
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Jennifer Dingman (09)	j.dingman@dowcorning.com	989-496-8290
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Dale Meier (09)	meier@mmi.org	989-832-5555 x577
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Pat Smith* (09)	pbsmith@dow.com	989-636-5080
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* Member of Executive Committee



Back row (l-r): Gretchen Kohl (Alt. Councilor and Co-chair National Chemistry Week), Dale LeCaptain (Alt. Councilor), Dorie Yontz (Chair-elect and Chair Program)

Front row (l-r): Tom Lane (Councilor), Bob Howell (Councilor), Dee Strand (Chair)

Committee Chairs for 2007

Committees on Internal Matters

Executive	Dee Strand	989-636-5056
Membership Growth & Retention	Connie Murphy	989-636-2961
Long Range Planning	Buford Lemon	989-636-4189
Nominations & Elections	Brett Zimmerman	989-496-6526
Corporate Agent	Mike Owen	989-631-7339
Historian	Wendell Dilling	989-631-1621
MMTG	Deb Mendrick	989-638-3094

Committees on Communications

Publicity/Public Relations	Angelo Cassar	989-631-7128
<i>The Midland Chemist</i>	Ann Birch	989-835-2856
Government Affairs	Bob Howell	989-774-3582
Environmental Affairs	position open	
Technical Society Interface	Eldon Graham	989-964-4127
Web Site	Ann Birch	989-835-2856

Committees on Member Assistance and Recognition

Careers & Prof. Relations	position open	989-496-6788
Awards	Scott Gaynor	989-638-1806
Younger Chemists	Joel Kern	989-636-4269



Back row (l-r): Dave Stickles (Director and Co-chair Sci-Fest), Wendell Dilling (Director and Historian)

Front row (l-r): Eldon Graham (Director and Chair Technical Society Interface), Scott Gaynor (Chair Awards), Angelo Cassar (Chair Publicity and Co-chair National Chemistry Week)

Committees on Member Programs and Activities

Program	Dorie Yontz	989-636-2571
Fall Scientific Meeting	position open	

Committees on Public Education and Student Programs

Chemistry Olympiad	Sharyl Majorski-Briggs	989-774-3416
Explorer Post	position open	
Kids and Chemistry	Peter Dreyfuss	989-832-7651
Minority Affairs	Lin Dorman	989-631-0213
National Chemistry Week	Gretchen Kohl	989-496-8200
	Angelo Cassar	989-631-7128
Project Science Literacy	Mike Ferritto	989-496-3244
Project SEED	Peggy Hill	989-463-6467
	David Karpovich	989-790-4349
Scholarship	Lin Dorman	989-631-0213
Science Promotions	Csilla Kollar**	989-496-8452
Sci-Fest	Dave Stickles	989-496-3273
	Joan Sabourin	989-686-9250
	Gretchen Kohl	989-496-8200
	Angelo Cassar	989-631-7128

**Science Promotions is the responsibility of the current treasurer.



Back row (l-r): John Blizzard (Director), Steve Keinath (Director), Wendell Dilling (Director and Historian), Ann Birch (Director, Webmaster, Midland Chemist Editor)

Front row (l-r): Connie Murphy (Director and Chair Membership, Growth and Retention), Jennifer Dingman (Director), Dale Meier (Director)



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Call for Nominations

2007 Science Teaching and Education Volunteer Awards

By Scott Gaynor

Each year the Midland Section of the ACS presents awards to recognize outstanding achievement in the teaching of the chemical sciences. Nominations for the 2007 awards are invited. Awards are presented for Outstanding Achievement in the following areas:

- Elementary Level Science Education
- Middle Level Science Education
- High School Chemistry Teaching
- College Chemistry Teaching

Candidates for these awards must be educators at schools in the five county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland, and Saginaw Counties. A Science Education Volunteer of the Year award will be presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts. Recipients of all awards will be selected by the Awards Committee. Nominators should write a letter indicating the award and describing the attributes of the candidate. Supporting letters from students, colleagues, supervisors, and community leaders are strongly encouraged.

The deadline for nominations is March 31, 2007. Electronic or fax submissions are acceptable. All submissions must be accompanied by the name, position, address, and phone number of the nominator. Award recipients as well as high school and college student award recipients and Chemistry Olympiad winners will be honored at the ACS Science Education and Awards Banquet in May 2007. The Awards Committee greatly appreciates the efforts involved in nominating someone and thanks you for helping to recognize deserving educators in our section. A list of previous recipients of the primary awards is provided on the two pages.

Parents: Does your child have a great science teacher? If so, consider nominating him/her and pass this flier along to that teacher's principal or section head.

Please submit nominations to:

Scott G. Gaynor, Awards Committee Chairman

The Dow Chemical Co.

1603 Building

Midland, MI 48674

Phone: (989) 638-1806; Fax: (989) 636-6454

e-mail: sggaynor@dow.com

Elementary Level Science Education

1992	Karen Ziemelis
1993	Lela Wade
1994	Constance A. Dullock
1995	Joan Klopčic
1996	Mark Hackbarth
1997	Denise Koppeler, 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

Middle Level Science Education

1992	Derrell Steffen	2000	not awarded
1993	Laurie Hepinstall	2001	not awarded
1994	JoAnn Kraut	2002	Joel Mikusko
1995	not awarded	2003	not awarded
1996	Barbara J. Bibbee	2004	Christine Brillhart
1997	Gary J. Johnson	2005	not awarded
1998	not awarded	2006	Matthew Miller
1999	not awarded		

High School Chemistry Teaching

1989	Robert Wallace	1998	Dale Ressler
1990	Gary Ronk	1999	Robert Enszer
1991	not awarded	2000	Steven Kelly
1992	John Clark, Edna Konwinski	2001	William Stokes
1993	Mary Irons	2002	Robert Hansen
1994	Jo Ann Pelkki	2003	not awarded
1995	not awarded	2004	Doug Grezeszak
1996	Sandra Schafer	2005	Pamela Thompson
1997	Mary Fredell	2006	Daniel Sealey

College Chemistry Teaching

1989	Joan Sabourin	1998	Thomas Delia
1990	Bob Howell	1999	Steven Keinath
1991	Robert Kohrman	2000	James Hutchison
1992	Scott Hill	2001	Sandra Smith
1993	Ajit Sharma	2002	Margaret Hill
1994	Laura Vosejpka	2003	Dale Meier
1995	George Eastland	2004	Katharine Blystone
1996	Martin Spartz	2005	Ronald Sharp
1997	Philip Squatrito	2006	Arthur G. Smith

Science Education Volunteer

1992	Gregg Young	2000	Karol Childs
1993	Peter Bonk	2001	Donald Petersen
1994	Peter Moehs	2002	Joan McMahan
1995	Gretchen Kohl	2003	John Blizzard
1996	John Blizzard, Dick Van Effen	2004	Jan Zanyk
1997	Marvin Tegen	2005	Eldon Graham
1998	Carlton Beyer	2006	Tom Chamberlin
1999	William Albe		

In Memoriam

Adapted with permission from the Midland Daily News

Dr. Carl Moore

Dr. Carl Moore died Tuesday, November 28, 2006, in Morristown, New Jersey, after a short illness. Carl was born in Cleveland, Ohio, on August 28, 1919. He attended Ohio State University, Oberlin College, and the Case Institute of Technology. He joined the American Chemical Society in 1943.

He moved with his wife, Lenore, to Midland in 1950, and worked at The Dow Chemical Company as a research chemist until his retirement in 1983. He is survived by his wife Lenore and son Tom and his family.

Editor's Note: If any readers have additional information on Carl's career at Dow, please e-mail it to ann.birch@editech-mi.com.

Sci-Fest 2006 Wows the Crowd

By Dave Stickles and Joan Sabourin

Sci-Fest 2006, a celebration of National Chemistry Week, took place on Saturday, October 28, 2006. Sponsors included Delta College, the Midland Section of the American Chemical Society, the Mid-Michigan Technician Group, and the Michigan Home Builders Association. The theme this year was



“Your Home—It’s All Built on Chemistry.” From 10:30 am to 2:30 pm there were many hands-on activities for the approximately 1200 participants in and around the Pioneer Gym. A concrete mixer truck from Bay Aggregates Inc. was parked outside for participants to climb into while inside the Pioneer Gym actual concrete was being made. All kinds of homes were investigated:

- Animal Homes presented by the Chippewa Nature Center
- Aquatic and Plant Homes by the Midland Conservation District
- Mosquito Habitat by the Midland County Mosquito Control
- Home to the Stars by Delta Astronomy Lab and Sunset Astronomical Society
- Microbes in our Homes by the Delta College Microbiology Club
- Your Mouth—the Home to Your Teeth by Delta College Dental Hygiene.

Participants took quizzes for prizes after observing the mulch and compost graveyards and working with “Magic Nuudles.” Field Neurosciences had information on Preserving Your Brain’s Home through using helmets and a presentation on home safety, giving out 250 bicycle helmets. Saginaw County Health Department gave information about lead in our homes and its detection. Christa McAuliffe Middle School, assisted by Jack Crowell, discussed home lighting and energy and operated a TV using bicycle power conversion.

The Mid-Michigan Technician Group and the SVSU Chemistry Club, along with the Birch Run High School Chemistry Club, provided hands-on chemistry activities. Representatives from Dow Corning had participants distinguish between silicone-coated gypsum and the non-coated form

with respect to water repulsion and absorption. A member from Alden B. Dow Museum of Science and Art presented spectral patterns from a variety of light lamps while a wood carver from Midland Molecular Institute displayed home items made from woods of many different colors.

Answer Heating and Cooling, Inc., and the MidMichigan Section of the Society of Plastics Engineers had activities related to home insulation, heating, and cooling. The Midland Radio Controlled Modelers club had a display on home hobbies such as building radio-controlled model airplanes. Literature from the Michigan Soybean Promotion Committee listed uses of soybean products around the home (foods, printing ink, biodiesel, concrete sealer, and a long list of other places where they are used) and included some puzzle activities for the kids. Several groups gave away items and information, or raffled off larger items, including a large inflatable Halloween scene.

“Bob the Builder” wandered around, showed a video, and talked to the kids about caring for trees. There were large puzzle pieces upon which the participants drew or wrote something about what they learned and then added their piece to the community puzzle laid out on the stage. There were over 600 pieces completed. A continuous Power Point presentation showed several examples of how about 50 elements are used in and around the home.

The day included many excited, active participants and very positive reactions from all.

Earth Day 2007 Activities Planned

By Dee Strand

Mark your calendars! Planning has begun the Earth Day activities scheduled for Saturday, April 21, from 10:00 a.m. to 2:00 p.m. Once again, ACS and the Alden B. Dow Museum of Science and Art are organizing the event to be held at the Midland Center for the Arts. The theme this year is “Recycling,” and a variety of booths and activities are being planned. Some of the organizations anticipated to participate include Chippewa Nature Center, Saginaw County Zoo, Midland Volunteers for Recycling, and Delta College.



A Letter to the Midland Section

2006 Central Regional Meeting Summary

By Kurt Brandstadt

The ACS Midland Section hosted the 2006 ACS Central Regional Meeting & 39th Silicon Symposium in Frankenmuth, MI, May 16–20, 2006. The ability to integrate these meetings created the opportunity to explore our theme – “*Diverse Interactions: The Elements of Success.*”

The conference was organized to promote science, chemical education and the diverse interactions between the scientific disciplines and represented a unique opportunity for researchers,

scientists, educators and students from around the region, and the world, to participate and interact. A

four-day program featuring plenary lectures, technical sessions, workshops, an award program, an exposition, special events, and educational outreach activities was conducted, which reflected the technical interests of these historical meetings including emerging areas and topical symposia.

The significance of this scientific venue is illustrated in the global breadth of the 780 individuals that attended and contributed to this premier symposium. The attendees represented 14 countries with the following distribution: 94% North America, 4% Asia, 2% Europe (Table 1).



Table 1: Countries Represented at the 2006 ACS Central Regional Meeting & 39th Silicon Symposium.

Australia	Japan
Belgium	Korea
Canada	Mexico
China	Russia
Germany	Spain
Ireland	United Kingdom
Israel	United States of America

Specifically, 90% of the attendees were from the United States representing a total of 30 states (Table 2).

Table 2: States Represented at the 2006 ACS Central Regional Meeting & 39th Silicon Symposium.

DC	IN	MD	NC	OH	TX
FL	KS	MI	ND	OK	VA
GA	KY	MN	NH	PA	WA
IA	LA	MO	NJ	SC	WI
IL	MA	MT	NY	TN	WV

In total, 24% of the attendees were high school, undergraduate, graduate, and post doctoral students, while 76% were professionals from academic/industrial institutions. The overall academic to industrial distribution was 55% to 45%, respectively.

It is our belief that the programming established the international interest and participation in this meeting. A total of 356 paper, poster, and workshop presentations were communicated during the four-day meeting, representing substantial geographic and organizational diversity. To promote interaction between disciplines as well as areas of application, major symposia and workshops covered emerging, traditional, regional, and special topics.

In an attempt to highlight the symposium as well as further promote the meeting theme, five featured speakers initiated, led, and contributed to the diverse interactions in the technical program. The plenary speakers were as follows:

- Jean-Michel Cousteau, Ocean Futures Society, CA.
- Dr. Jim Thompson, Procter & Gamble, OH.
- Professor Akira Sekiguchi, University of Tsukuba, Japan - 2006 Fredric Stanley Kipping Award in Silicon Chemistry.
- Professor John Rogers, University of Illinois, IL.
- Dr. Mike Bullivant, Rough Science, England, UK.



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The integrated technical program in the joint Symposium was well received. The meeting also promoted the participation of non-traditional attendees via relevant symposia.

- Silicon Symposium
- Master Brewers Association of America
- Knowledge Management/Data Mining
- Small Chemical Business

Notably, there was a strategic and strong emphasis on education, which was highlighted by the educational events for teachers and students that were conducted during the symposium as follows:

- Science Literacy & Educational Outreach Workshop
- Bringing Science to Life in the Classroom Workshop
- Chemical Education Symposium
- Nanotechnology Workshop
- Women in Chemistry Luncheon
- ACS Student-Professional Mixer
- ACS Science Recognition and Awards Banquet
- Jean-Michel Cousteau presented to the Frankenmuth High School students, all 7th Grade students in Midland County, and at a Science Teacher's Luncheon

The 2006 ACS Central Regional Meeting & 39th Silicon Symposium was a premier International Meeting as illustrated by the global breadth of the individuals that attended, contributed, and were interested in this significant scientific event. I would like to express my sincere gratitude to the organizational team, technical program chairs, workshop organizers, colleagues, and numerous individuals who graciously volunteered their time and talents as leaders of the symposium. All of these contributions were significant and appreciated!

On behalf of the Midland Section of the American Chemical Society, we were honored to host this premier scientific meeting.



Kurt F. Brandstadt, Ph.D.
2006 ACS Central Regional Meeting &
39th Silicon Symposium General Chair
ACS Midland Section, Michigan

Saginaw Bay Watershed Program Continues

By John Blizzard, Mike Ferritto, Gretchen Kohl

The Saginaw Bay Watershed program gives high school chemistry and physics students a unique chance to “practice” these disciplines. Students sample, test, and evaluate major rivers and tributaries in the Michigan Saginaw River watershed, an area of fresh water rivers comprising over 8700 square miles. Testing includes inorganics, bacteria, and physical characteristics of the test site. Sampling has been performed each week for over one to two years to date. The first year of testing at each site is to obtain a baseline of each test site for continued testing over the next three years. Each site database will be combined together to provide a complete, systematic picture of the quality of water in this important watershed over an extended period of time.

A grant from Dow Corning Corporation Foundation provided the initial start for the watershed school program. Water testing training was provided by Culligan™ and Rain Soft™ technicians along with Midland Section ACS chemists for each school involved. Each school was also provided with all of the necessary equipment and supplies to perform a variety of water quality tests. A water testing laboratory was established in each of the participating schools, under the direction of ACS volunteers.

The water testing is performed and compared with NIST standards to ensure accurate, reliable test results. Using NIST standards reinforces the importance of using standards to compare testing technique, procedures and analysts, ensuring quality data collection. The students also perform water analysis at Raven Analytical Laboratory in Roscommon and Midland, Michigan, an EPA-certified water quality testing laboratory, as a further confirmation of their test results. This also reinforces and connects academia to real-world job potentials. This is also part of a job shadowing program within the watershed program to expose the students to potential





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The second phase of the program has been initiated with performing a bioanalysis of the aquatic life in the watershed. Students have begun sampling and evaluating the number and type of invertebrates and aquatic life in the watershed test sites. Bacteria testing (*E. coli* and coliform) has also begun. This analysis is performed in EPA-certified laboratories to ensure safety, safe handling, and disposal of contaminated water. Already, this analysis has demonstrated significant differences in bacterial contamination of the watershed from the headwater in this basin as it flows down the watershed into the Saginaw Bay. The quality of the water deteriorates significantly as the water travels down the watershed. The water quality at the point source is extremely clean while the water quality at the exit point in the Saginaw Bay is very poor. This analysis also will be compared with the chemistry analysis of the test sites to obtain any correlations between these analyses. A DEQ site survey was also completed by the students for each test site.

The environmental-minded coalition does not stop here. Other private industries, organizations, and civic groups have taken an interest in the program. National City Bank, Dow Corning Corporation, QuadSil Inc., Raven Analytical Laboratories, and the Michigan DEQ have been and are strong supporters of this ACS-led program. Further, a number of additional schools throughout the Midland Section have joined into this watershed program in 2006 and are currently obtaining baselines in additional areas in the Saginaw Bay watershed. Over 150 area students are involved from nine schools within the 8700 square mile watershed.

Students and teachers involved in this program presented posters and formal presentations at the ACS Central Regional Meeting in Frankenmuth, Michigan. Approximately 70 students and teachers at-



Ogemaw Heights High School students displayed posters at the 2006 Central Regional ACS Meeting.

tended. Doug Grezeszak, Ogemaw Heights High School chemistry teacher, summed up the CRM experience with “The Ogemaw Heights group benefited greatly from this excursion. It was great to see them in the presentation sounding so confident and knowledgeable. It was also interesting to see them explaining their display to all who would listen and to see them going around and looking at the other displays and coming back to me as a teacher with comments and question. The best experience on a trip my students have ever had.”

Chris Owen, Tawas High School chemistry teacher, added, “We had a wonderful time at the conference! The students loved the “hands-on” opportunities and the “Rough Science” video/presentation.”

In Past Issues of *The Midland Chemist*

By Wendell L. Dilling, Midland Section Historian

- **40 Years Ago This Month**—In *Section to Host National Short-Course*, by R.A. Hickner: “The Midland Section will host a short course sponsored by the National Office on June 5, 6, and 7. The course, ‘Chemical Bonding in Organometallic Compounds’ will be instructed by Professors Robert West and Paul Treichel of the University of Wisconsin. The course will be taught on the campus of Northwood Institute.”
- **30 Years Ago This Month**—In *Where Oh Where Have All the Research Supervisors Gone?* by John A. Schneider: “During the past year, I attended several seminars and technical presentations put on by the American Chemical Society. The attendance at most of these was quite poor. The more amazing fact was that in most cases, except for one or two, there were no group leaders, research managers, or lab directors present.”
- **20 Years Ago This Month**—In *Report on 1986 Project SEED Activities*, by Anthony Haag: “Last summer, four area high school students participated in research programs at Saginaw Valley State College and Central Michigan University as part of Project SEED (Summer Educational Experience for the Disadvantaged). This program is organized nationally by the American Chemical Society and 1986 was its 18th year. Its objective is to help expand the career outlook of students from disadvantaged backgrounds.”
- **10 Years Ago This Month**—In *From the Chair...*, by Joan Sabourin: “The next big event for our section is the 29th ACS Central Regional Meeting, which will be held May 27–30, 1997, in Midland. The General Co-Chairs are Steven A. Snow (Dow Corning Corp.) and Steve Froelicher (Dow Chemical Co.).”

Important Dates on the ACS Midland Section Calendar

- Feb. 12 Midland Section board meeting, Delta College Midland Center, 7:00 p.m., Room 106
- Feb. 12 Joel S. Miller, University of Utah, CMU Seminar Series, "Molecule-based Magnets: New Chemistry and New Materials for this Millennium," Dow Science 175, 4:00 p.m. (Minghui Chai, 989-774-3955, minghui.chai@cmich.edu)
- Feb. 26 Coleen Pough, University of Akron, CMU Seminar Series, "Investigating π - π Stacking Interactions Between Aromatic Hydrocarbons and Aromatic Fluorocarbons via Free Radical Copolymerizations," Dow Science 175, 4:00 p.m. (Minghui Chai, 989-774-3955, minghui.chai@cmich.edu)
- Mar. 5 Deadline for April issue of *The Midland Chemist*
- Mar. 12 Midland Section board meeting, Delta College Midland Center, 7:00 p.m., Room 106
- Mar. 12 Claire Thompson, Michigan Molecular Institute, CMU Seminar Series, TBA, Dow Science 175, 4:00 p.m. (Minghui Chai, 989-774-3955, minghui.chai@cmich.edu)
- Mar. 19 X. Peter Zhang, University of South Florida, CMU Seminar Series, "Bio-Inspired Carbene and Nitrene Transfer Reactions by Metalloporphyrins," Dow Science 175, 4:00 p.m. (Minghui Chai, 989-774-3955, minghui.chai@cmich.edu)

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