

THE MIDLAND CHEMIST

Vol. 43 No. 1

February 2006



Meet Your 2006 Midland Section Leadership, pg. 3
ACS Tour Speaker at CMU in March, pg. 10

front (l-r): 2006 Chair Buford Lemon, Councilor Bob Howell; back (l-r): Alternate Councilors Dale LeCaptain and Gretchen Kohl and Councilor Tom Lane

THE MIDLAND CHEMIST

Volume 43, Number 1

February 2006

In This Issue...

Chair Column: What's In It for Me?	1
Meet Your 2006 Section Leaders	3
Scholarship Fund Drive Contributors Acknowledged	8
Thanks for Survey Response!	9
ACS Tour Speaker Chamberlin to Address Transportation Fuel Alternatives	10
ACS Scholars Program Accepting Applications	11
Midland Section Seeks Database Manager	12
Call for Nominations: Promotion of Diversity in Chemistry, Related Sciences and Engineering Award	13
Call for Nominations: 2006 Science Teaching and Education Volunteer Awards	14
Call for Nominations: WCC Overcoming Challenges Award	16
Disability Mentoring Day Benefits Students and Mentors Alike	17
Rep. Moolenaar Addresses Legislative Issues	18
Welcome! to New Midland Section Members	19
Sabourin Receives King Spirit Award	19
In Memoriam	20
In Past Issues of <i>The Midland Chemist</i>	21
Important Dates on the ACS Midland Section Calendar	22

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Please submit all articles and photographs to the editor, Ann Birch. Instructions for article submission are on the Midland Section web site, as is contact information for other staff members. Authors can also contact Ann directly with any questions.

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Chair Column

What's In It for Me?

Greetings and welcome to 2006! I'm sure that all of you are looking ahead to this year with a similar mix of excitement, awe, confusion, interest (and perhaps just a touch of dread) that I am. If not, please send me an e-mail and let me in on your secret (midland_acs_chair@yahoo.com).

During the past year I spoke to as many members of our Section as possible. (If I didn't find the opportunity to speak with you personally, please send me an e-mail.) I listened to Bill Carroll describe his take on the ACS and where we're heading and attended an ACS local leader's conference last January. When I tried to shape my goals and direction for the coming year, two important, need-to-be-addressed, bright, glowing items came into focus for me, and I'd like to share them with you (and thus outline my time in office for the next 12 months).

In the December issue of *The Midland Chemist*, I detailed "different-sized opportunities" —the process of clearly defining not only what we're looking for from our volunteers, but also additional roles, large and small, where needed. As I canvass the Section, using the results from the Section survey as a guide (thank you for an incredible turnout of responses), I'll work to put my words into action and encourage this focus in others. So, if you're either approached to volunteer or seeking the help of others, I encourage you to ensure that the task is clearly defined with a clear vision of success and as best an estimate of number of hours needed as you can muster. See the request below for an actual example.

Wanted: one (1) chair for 2006 Fall Scientific Meeting. A successful meeting will be a) well-received, b) host interesting speakers, c) engage the local scientific community with a focus on our student affiliates, and d) wrap-up within budgetary guidelines. The role will require between 100–200 volunteer hours, depending upon the size of the meeting you plan, and will offer opportunities to work with a wide variety of people (Section members and the public) and the chance to get to know the speakers you invite. Please contact Buford Lemon at midland_acs_chair@yahoo.com with inquiries about the role.

The second point I'll be focusing on this year is our value proposition, i.e., what do we have to offer to our current and future members? We've seen



Buford Lemon, Chair
ACS Midland Section

the Section's numbers shrink over the last three years, and while we've had an influx of new chemists and engineers to the area, our membership hasn't seen a boost. In addition to demographic changes, people are re-evaluating their membership in the ACS due to many factors: retirement, kids going to college, career changes. I know this because I've been asked on many occasions over the last two years, "Why should I continue my ACS membership? I'm retiring this year! *What's in it for me?*"

Wow. Wow! What a great question! And what a challenge for me as this year's chair!

While I could begin by detailing all of ACS's efforts at the national and global level—our scientific journals, our huge network of scientists and practitioners of our chosen profession, our community and educational outreach, our first-rate trade journal, etc.—I'd rather focus on what's in it for you at the local, the Midland Section, level.

And that's what I'm going to do in 2006. I'm going to work to redefine our Section's value proposition to you. I have a short list of areas on which to focus that members have already shared with me (such as a higher public profile for the Midland ACS), and as I add to and refine my list, I'll share it with you, the members of the Midland Section of the American Chemical Society. I invite and welcome all comments, suggestions, thoughts, and discussion about how we can improve the value that this Section offers its members.

As a final note: I'd like to thank Pat Smith, 2005 Chair, for doing such a wonderful job as Section chair. In addition to starting several important initiatives (greater communication and cooperation with local sections of SPE and AIChE), Pat's focus, leadership, drive, heart, and dedication have made the Section both stronger and more fun. Thanks 10⁶, Pat!

I'd also like to extend sincere thanks to the officers and many, many volunteers of the Midland Section of the ACS. Your time and dedication are the backbone of this incredible Section, and I'm extremely honored to lead you through 2006.



Meet Your 2006 Section Leaders

By Ann Birch

Below and on the next two pages are the schedule for the 2006 Board meetings and lists of the 2006 Board of Directors and committee chairs. For more or updated information, please access the Leaders or Calendar page of the web site (<http://membership.acs.org/m/midl/>). If you haven't visited the web site recently, it boasts a new design and increased usability for Board and committee members as well as regular members.

Please don't hesitate to contact a Board member or committee chair with any questions you have or if you are interested in volunteering.

We do have several positions open, and there is always room for an additional committee member or occasional volunteer. Come to a Board meeting sometime and see what's going on!



front (l-r): 2006 Chair Buford Lemon, Councilor Bob Howell. back (l-r): Councilors Dale LeCaptain and Gretchen Kohl, Councilor Tom Lane

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(l-r): Treasurer Csilla Kollar, Secretary Aneta Clark, Chair NEC Brett Zimmerman



2006 Board Meeting Schedule

January 9	Delta College Midland Center	7:00 p.m.	Room 8
February 13	Delta College Midland Center	7:00 p.m.	Room 8
March 13	Delta College Midland Center	7:00 p.m.	Room 8
April 10	Delta College Midland Center	7:00 p.m.	Room 8
May 8	Delta College, University Center	7:00 p.m.	location TBD
June 12	Central Michigan University	7:00 p.m.	location TBD
August 14	Saginaw Valley State University	7:00 p.m.	location TBD
September 11	Delta College Midland Center	7:00 p.m.	Room 8
October 9	Delta College Midland Center	7:00 p.m.	Room 8
November 13	Delta College Midland Center	7:00 p.m.	Room 8
December 11	Delta College Midland Center	7:00 p.m.	Room 8

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Ann Birch * (08) ann.birch@editech-mi.com 989-835-2856

Connie Murphy * (08) cjmurphy@dow.com 989-636-2961

* *Member of Executive Committee*

Committee Chairs for 2006

Committees on Internal Matters

Executive	Buford Lemon	989-636-4189
Membership Growth & Retention	Connie Murphy	989-636-2961
Long Range Planning	Pat Smith	989-636-5080
Nominations & Elections	Brett Zimmerman	989-496-6526
Corporate Agent	position open	
Historian	Wendell Dilling	989-631-1621
MMTG	Becky Swanson	989-638-5343

Committees on Communications

Publicity/Public Relations	Debbie Rothe	989-638-6388
<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	Gary E. Kozerski	989-496-6788
Awards	Minghui Chai	989-774-3955
Younger Chemists	Joel Kern	989-636-4269

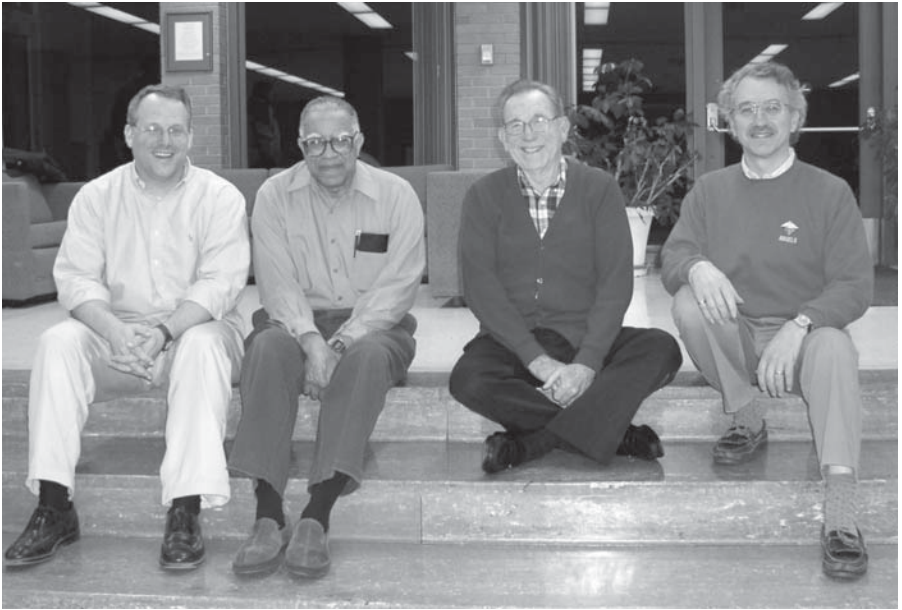
Committees on Member Programs and Activities

Program	Dee Strand	989-636-5056
Fall Scientific Meeting	position open	
2006 Central Regional Mtg	Kurt Brandstadt	989-496-5185

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
	Marvin Tegen	989-636-9780
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

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



(l-r): Committee Chairs Kurt Brandstadt, Lin Dorman, Eldon Graham, Angelo Cassar



(l-r): Directors John Blizzard, Petar Dvornic, Connie Murphy, Wendell Dilling, Ann Birch, Dave Stickles. Connie, Wendell, Ann, and Dave are also committee chairs.

Scholarship Fund Drive Contributors Acknowledged

By Lin Dorman

The Midland Section of the ACS is proud to present the contributors to the Inaugural Fund Drive, which was initiated in October 2003 to create an endowed scholarship fund. This endowment was started with the Midland Area Community Foundation at the threshold level of \$5,000, with the ultimate fund goal of \$100,000, which would provide up to five annual scholarships of \$1,000 or more. These scholarships are intended for students seeking academic degrees in the chemical sciences at colleges and universities in the Midland Section area.

It is with deep gratitude and appreciation that we now recognize contributors to this Inaugural Fund Drive.

\$3,000–\$5,000

Herbert D. and Junia Doan
Midland Organic Discussion Group
Michael J. and Christine Owen

\$1,000–\$2,999

Arnold and Teresa Allemang
Etcyl H. and Ruth Blair
Wendell and Marcia Dilling
Linneaus and Phae Dorman
Bob A. Howell
Bernard J. and Janet Mae Meister
Patrick B. and Karole M. Smith

\$500–\$999

Edward T. and Susan S. Carrington
Joseph and Angela Ceraso
M. Peter and Patricia Dreyfuss
Fred D. and Helen Hoerger
Dale J. and Helen J. Meier

\$100–\$499

Anonymous
Mary Lou Angelotti
Antimicrobial Specialists and Assoc.
Kent Dennis
Jacob and Mary Eichhorn
Eldon and Pauline Graham
Richard and Donna Gross
Douglas E. Lake
James R. Malek

\$100–\$499, cont.

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Joan M. Sabourin
Patricia M. Scaduto
Arthur and Darlene Smith
Karel and Jitka Solc

To \$99

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David L. and Annamaria Morgan
Majorie L. Palm
Eleanor J. Pott-Gillam
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Robert J. and Renate M. Shroyer
Meagan K. Smekar

Midland Section ACS Inaugural Fund Drive Committee

Lin Dorman, Chair
Wendell Dilling
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Joan Sabourin
Etcyl Blair
Mike Owen

Midland Area Community Foundation

Brian Jackson, Program Officer

Thanks for Survey Response!

By Ann Birch

We had a great response to the survey sent out in October and are now compiling the results. If you expressed an interest in becoming involved in specific Section activities or just had a comment that needs a response, someone will be getting back to you soon. Below is the list of people whose names were drawn from the “hat” after turning their surveys in by the deadline and their prizes. Thanks!

Eldon Graham	ACS Backpack
Ed Benson	ACS Tote
Deb Bergstrom	Periodic Table Mug
Frank Popoff	Periodic Table Mug
Paul Popa	Periodic Table Mug
Rudy Salinger	Periodic Table Mug



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ACS Tour Speaker

Chamberlin to Address Transportation Fuel Alternatives

By Choon Young Lee

The Central Michigan University Department of Chemistry and the Midland Section of the American Chemical Society are pleased to present the Spring 2006 ACS Tour Speaker, William B. Chamberlin from The Lubrizol Corporation. The seminar title is "A Petroleum-Free Transportation System, Can It Happen? Will It Happen?" The presentation will be made on Monday, March 20, at 4:15 p.m., Dow Science Building, Room 175, Central Michigan University. There will be a reception preceding at 3:30 p.m. in Room 175.

Anyone wishing to have dinner with Mr. Chamberlin at Mountain Town station in Mt. Pleasant should contact Choon Lee at lee1cy@cmich.edu or 989-774-3289. Dinner will begin at approximately 5:30 p.m. Meals may be ordered from the menu at your own expense.



Abstract

What will our transportation system be like in twenty years from now? That was the question that our speaker was asked to answer for the Society of Automotive Engineers at Japan's Government, Industry and Academia Forum in 2002. Using his contacts in the automotive industry and government, along with his 30+ years experience in investigating alternative fuels and power plants, Bill Chamberlin represented the North American perspective on this topic. Today we are hearing a lot about fuel cells, the hydrogen economy, and a petroleum-free transportation system. Production goals are already being publicized by major automotive manufacturers which suggest that hydrogen-powered, fuel-cell vehicles will be major players in the transportation system soon. Also, petroleum substitutes are being proposed such as ethanol, biodiesel, and dimethyl ether. Are any of these options likely to become a reality or are they just fantasy? Predictions about the future are always risky. While there is always a temptation to project what will happen on the basis of one's predisposition about what "should" happen, the reality is often something different. Our speaker will analyze the forces at work that are likely to shape our future transportation fuels and the processes, including chemical, which are under consideration to produce them.

Biographical Sketch

Bill Chamberlin is a principal research scientist involved in advanced crankcase lubricant applications at The Lubrizol Corporation. Advanced lubricant applications that Bill has worked on in his 34 years at Lubrizol include rotary engines, direct injection two-strokes, and alternatively fueled engines. In 2003 he was recognized as the Outstanding Chemist of the Year by the Northeast Ohio ACS Section. Bill was elected a Society of Automotive Engineers (SAE) Fellow in 1995. Bill has also been active in the SAE including Chair of the SAE Emerging Technology Committee, Chair of the Cleveland Section, and member of the SAE Sections Board. He holds 11 patents and has authored or coauthored 19 papers. He holds BA and MS degrees in chemistry from Miami University (Ohio).

ACS Scholars Program Accepting Applications

From National ACS

The American Chemical Society (ACS) Scholars Program is now accepting applications for the 2006–2007 academic year. This renewable, undergraduate scholarship is for African-American, American Indian and Hispanic/Latino students majoring in a chemical science and planning a career in that science. Now beginning its twelfth year, the ACS Scholars Program has identified over 1600 scholarship recipients and disbursed more than \$8.2 million since inception in 1994. More information and the application documents are available on the web at <http://chemistry.org/scholars>, by calling toll-free 1-800-227-5558, ext. 6250, by sending an e-mail request to scholars@acs.org, or by writing to American Chemical Society Scholars Program, 1155 16th Street, N.W., Washington, D.C. 20036. Application deadline is March 1, 2006.

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2336f

Midland Section Seeks Database Manager

By Ann Birch

The Section is seeking a volunteer experienced with Microsoft Access to manage the Section database. This position involves the following tasks:

Once a month:

- Update the database from information provided by National ACS
- Send the list of new and transferred-in members and survey forms for each to the chair of the membership committee
- Receive and enter survey form information into the database
- Provide committee chairs with applicable information from the survey forms

Once every two months:

- Prepare the mailing list for *The Midland Chemist*

Once a year:

- Prepare a brief annual report

The time involved for the tasks above probably average about 3 to 4 hours a month. If interested, the volunteer could further develop the database and also begin to develop an e-mail listserv. For more information, contact Ann Birch, ann.birch@editech-mi.com, 989-835-2856.



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*Call for Nominations***Promotion of Diversity in Chemistry,
Related Sciences and Engineering Award***By Minghui Chai*

The Midland Section of the American Chemical Society presents the "Promotion of Diversity in Chemistry, Related Sciences and Engineering Award" 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. The award will be presented at the ACS Science Education and Awards Banquet at the 2006 ACS Central Regional Meeting and 39th Silicon Symposium on May 17, 2006, at Zehnder's of Frankenmuth. (Please see web site for complete awards information, www.crm2006.org.)

The criteria for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section Minority Affairs Committee are ineligible to receive this award. Previous recipients of this award include Richard Stringfield, George Gant, and Smallwood Holoman, Jr.

Recipients of this award will be selected by the Midland Section Awards Committee. Nominators should write a letter 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, 2006. Electronic or fax submissions are acceptable. All submissions must be accompanied by the name, position, address, and phone number of the nominator.

Please submit nominations to:

Minghui Chai, Chair

ACS Awards Committee

Department of Chemistry

Central Michigan University

Mt. Pleasant, MI 48859

Phone: 989-774-3955; Fax: 989-774-3883

Email: chai1m@cmich.edu

Call for Nominations

2006 Science Teaching and Education Volunteer Awards

Each year the Midland Section of the ACS presents awards to recognize outstanding achievement in the teaching of the chemical sciences. Nominations for the 2006 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, 2006. 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 at the 2006 ACS Central Regional Meeting and 39th Silicon Symposium on May 17, 2006, at Zehnder's of Frankenmuth. (Please see web site for complete awards information, www.crm2006.org.) The Awards Committee greatly appreciates the efforts involved in nominating someone and thanks you for helping to recognize deserving educators in our section.

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:

Minghui Chai, Chair

ACS Awards Committee

Department of Chemistry

Central Michigan University

Mt. Pleasant, MI 48859

Phone: 989-774-3955; Fax: 989-774-3883

Email: chai1m@cmich.edu

A list of previous recipients of the awards is provided below and on the following page.

Elementary Level Science Education

1992	Karen Ziemelis
1993	Lela Wade
1994	Constance A. Dullock
1995	Joan Klopccic
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

Middle Level Science Education

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

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 Squattrito		

Science Education Volunteer

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

Call for Nominations

WCC Overcoming Challenges Award

From National ACS

The Overcoming Challenges Award (OCA) acknowledges the efforts of women undergraduates who have overcome economic, personal, and/or academic hardships in pursuit of an education in the chemical sciences. The award consists of a plaque, a \$250 honorarium, and \$1,000 for travel expenses to the fall ACS National Meeting where the award is presented.

Award candidates must be women matriculating as an undergraduate chemical science major/minor in a two-year program or at a four-year school not granting a doctoral degree in chemical-related disciplines. Nominations are due May 1, 2006, and should be sent to: Women Chemists Committee, American Chemical Society, 1155 16th Street, N.W., Washington, DC 20036. For additional information, contact the WCC at wcc@acs.org or visit <http://membership.acs.org/W/WCC>.

Disability Mentoring Day Benefits Students and Mentors Alike

By Kathy McCreedy, DiverseAbility LLC

About 30 students participated in Disability Mentoring Day last fall in Midland, MI, sponsored by Dow Chemical, in collaboration with six high schools in the county, the MiConnections High School-High Tech project, the Center for Independent Living of Mid-Michigan, and DiverseAbility LLC.

This is the fourth year that Dow Chemical has sponsored DMD in Midland. The program in Midland County was used as a model to expand this year to Bay and Saginaw counties through the support of the MiConnections (pronounced "My" Connections), an enrichment project that links youth with disabilities to opportunities to explore jobs and careers in technology-related fields.



Dow High School student Justin Lutz (left) explores a career as a naturalist with Mr. Phil Stephens who works at the Chippewa Nature Center in Midland, MI.

The high school students job shadowed at 15 Midland employers in the community, including several Dow Chemical sites. After the job shadow, the students attended lunch at Dow, sharing lunch discussion with a mentor from the company. Several of the mentors were members of the Midland Section of the American Chemical Society, including Marianne McKelvy, Dorie Yontz, John Blackson, Cliff Todd, and Dave Stickles. The students and mentors used a discussion guide to process what the students had learned in the job shadow that morning and then each mentor/student pair presented what they had learned about a possible career choice.

Thanks so much to Section members who participated in the day. We will be hosting the fifth annual celebration of Disability Mentoring Day in Midland on Wednesday, Oct. 18, 2006. You are cordially invited to add this event to your 2006 calendars now! For more information, contact Kathy McCreedy (kmmccreedy@chartermi.net, 989- 631-8867).

Rep. Moolenaar Addresses Legislative Issues

By Pat Smith

Michigan State Representative John Moolenaar spoke to a group of about 20 people, most of whom were ACS members, at a breakfast meeting on Friday, Dec. 2, 2006, at 7:00 a.m. The meeting was held at Shirlene's Cuisine restaurant in Midland. John spoke about "Legislative Issues Affecting the



Chemical Profession." His opening remarks were concerned primarily with dioxin-related legislation and his concern that the best scientific data be incorporated into the legislative plan. He discussed ways that we in the chemical profession might get involved to ensure that science-based plans are implemented. This issue invoked considerable discussion.

John also spoke about initiatives he is sponsoring in the area of middle school math education. A discussion ensued around attracting kids into science and how the state might partner with ACS and local industries to promote science curricula and education.

John described several options under consideration concerning renewable energy. One, in particular, wind energy tax credits, is currently on the docket. He is very interested in renewable energy and other alternative energy options and asked for our input on them. John provided very interesting insights into the thinking in Lansing on these areas and on how the legislative process works. The discussion was very enlightening.

John was raised in Midland and has a B.S. in chemistry from Hope College and an M.S. from Harvard in public administration. He has a varied professional background, having worked in market research for Dow, as the director of the Small Business Center at Middle Michigan Development Corporation, as the executive assistant to the president of Eagle Village, and as the administrator of Midland Academy. John currently serves on the Appropriations Committee in the Michigan State House of Representatives. He chairs the subcommittee on School Aid and Department of Education and is vice-chair for the subcommittee on the Department of Environmental Quality and Fiscal Oversight, Audit and Litigation.

Welcome! to New Midland Section Members

By Connie Murphy

Welcome to the following people who have recently either joined the American Chemical Society or transferred into the Midland Section.

Hosam Abdelhady
Nermeen Aboelella
Ayorinde Awonusi
Lester Dankert
Dick De Line
Alice Delia
Ronald Haughton
Herschel Reese
Deidre Strand
Steven Swier
Shanneth Thomas

Nicholas R. Ballor
Dana L. Botimer
Andrew Christ
Christopher J. Dunning
Raymond A. Hudack
Sara Klamo
Jack Mccoy
Anja Mueller
Wendy A Sparschu
David Witker

Sabourin Receives King Spirit Award

Adapted from Midland Daily News

Joan Sabourin, professor of chemistry at Delta College and active ACS member and committee chair, was named the recipient of the 2006 "In the Spirit of Dr. Martin Luther King Jr." Spirit Award. Joan is an advocate for justice, equality, and fairness for all people. She has worked tirelessly in the interest of the African-American community.

Her longtime support for the Saginaw off-campus centers began in 1972 when she began teaching chemistry and math at Delta College's St. Joseph's Center. She continues her commitment at the Ricker Center. Her efforts to make Ricker a strong and successful arm of the Delta community are obvious with the completion of the Science Lab with donations from area industries including The Dow Chemical Company and Dow Corning Corporation.

As science division chair, she was instrumental in helping to develop the environmental health and safety management bachelor's degree with Ferris State University. She is working with the Teaching Scholars Partnership Grant that places underrepresented Delta College science and math students in classrooms in Saginaw Public Schools, with the possibility of attracting them to teaching careers in science, technology, engineering, and mathematics.

In Memoriam

Information Adapted from Midland Daily News

Patricia Dreyfuss

Patricia Dreyfuss, retired scientist and professor, died December 6, 2005. Pat received a B.S. in chemistry from the University of Rochester and a Ph.D. in polymer science from the University of Akron. She was a research chemist for BF Goodrich in Brecksville, Ohio; research associate for the Institute of Polymer Sciences at the University of Akron; and senior research scientist and research professor at the Michigan Molecular Institute in Midland. She also worked at the University of Liverpool, England; the University of Bristol, England, and the Polish Academy of Sciences, Poland; as well as Case Western Reserve University, Cleveland, Ohio; Central Michigan University, Mt. Pleasant; and Michigan Technical Institute, Houghton. Pat was the author of the book *Poly(tetrahydrofuran)* as well as numerous articles in her field, and she received several patents. Her research interests included polymer science, adhesion science, and antidiuretic hormone analogs.

An avid flute player, she played with several orchestras and ensembles, including the Midland Community Orchestra and the musical ensemble at the Blessed Sacrament Catholic Church in Midland. She was an active member of the American Chemical Society, joining ACS in 1970, and serving for many years as a judge in regional and national Odyssey of the Mind competitions. She conducted countless chemistry demonstrations in regional elementary and middle school classrooms. Pat will be well-remembered by her ACS colleagues for her many contributions to Society activities and particularly her dedication to making chemistry fun for children. Pat was also a member of the American Association of University Women and the Adhesion Society.

Pat is survived by her husband, M. Peter Dreyfuss, also a long-time ACS member, and two sons and their families.

Victor S. Morello

Victor S. Morello, a retired chemical engineer for The Dow Chemical Company, died December 11, 2005. Victor received a B.S. in chemical engineering from the Carnegie Institute of Technology, now Carnegie Mellon University, in 1938. He went to work for Dow, running a plant for the continuous chlorination of benzene.

Victor joined the Army Corps of Engineers when the U.S. entered World War II. He served as an instructor at Officer Candidate School in Fort Belvoir, Virginia. He was deployed overseas to the Philippines and to occupied Japan and received a Bronze Star. After his discharge, he re-

turned to Carnegie and received an M.S. and a Ph.D. He returned to Dow in 1949 to work in the Benzene Products Laboratory. He went on to work in Executive Research, the E.C. Britton Lab, and the Process Engineering Dept., developing computer applications for several plants. In 1968, he was made a process consultant, a position he held until his retirement in 1979.

Victor was predeceased by his wife of 49 years, Carolyn. He is survived by a daughter, Carol Morello. Victor had been a member of the American Chemical Society for over 65 years.

In Past Issues of *The Midland Chemist*

By Wendell L. Dilling, Midland Section Historian

- **40 Years Ago This Month**—Dr. Howard S. Nutting was honored at the January 17th meeting of the Midland Section of the American Chemical Society. In the field of chemical nomenclature Dr. Nutting has made outstanding contributions. He has served since 1949 as a member of the International Union of Pure and Applied Chemistry Commission on Organic Nomenclature.
- **30 Years Ago This Month**—In “Toxic Substance Legislation” by J. M. Leathers, Vice-President in Charge of Operations for Dow Chemical U.S.A.: Now the avid proponents really believe that Federal legislation “controlling chemicals”, i.e. toxic substances, will prevent future Kepones, PBB and PCB’s. I don’t believe that it will. What will really happen is that all new and old chemicals will come under such attack that all new research, new chemistry and new chemical combinations will come to a grinding halt.
- **20 Years Ago This Month**—Ivan F. Harlow was honored for 75 years of membership in the ACS at the recent Speaker’s Banquet, held November 15, 1985, preceding the 41st ACS Fall Scientific Meeting.
- **10 Years Ago This Month**—Project Science Literacy, “Bringing Science to Life in the Classroom,” by John Blizzard and Joan Holtschlag: The initial objectives of the program have been met. A “Bringing Science to Life in the Classroom” workbook has been developed. This workbook contains sixteen experiments that were developed to meet safety, procedural, disposal, materials availability, and teacher goal and objectives requirements for science education.

Important Dates on the ACS Midland Section Calendar

- Feb. 13 Midland Section board meeting, Delta College Midland Center, 7:00 p.m., Room 8
- Mar. 1 Deadline for April issue of *The Midland Chemist*
Deadline for application for ACS Scholars Program (scholars@acs.org, 800-227-5558, ext. 6250)
- Mar. 13 Midland Section board meeting, Delta College Midland Center, 7:00 p.m., Room 8
- Mar. 20 ACS Tour Speaker William Chamberlin, 4:15 p.m., CMU Dow Science Center, Room 175, reception preceding at 3:30 p.m. (Choon Lee, lee1cy@cmich.edu, 989-774-3289)
- Mar. 31 Deadline for nominations for education and diversity awards (Minghui Chai, chai1m@cmich.edu, 989-774-3955)

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