



Midland Section Honors 50-year Members

Bart Bremmer, Art Smith, and Peter Dreyfuss are three of six 50-year ACS members who were recognized at the awards banquet in April. Get to know more about them in this issue of *The Midland Chemist*. See page 2.

THE MIDLAND CHEMIST

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Chair Column

Here's the Cure for the Summertime Blues

Summer is over, vacations are done, and school is about to begin. Summer sure didn't last long. But we're headed into the Midland Section's busiest season. The Fall Scientific Meeting is coming up in October. This is the 60th year that the meeting has been held, and it promises to be a good one. Focusing on economic development in Michigan, it follows the lead of the green chemistry theme from last year in taking a broad view of issues of concern to Midland Section members and chemical professionals in general. There's still time to submit poster abstracts (see page 5). And don't forget, attendance is not limited to Midland Section members, so bring a friend or colleague. You may find it a refreshing break from what is, for most of you, an overwhelming and focused workload. Our thanks to leaders Dale LeCaptain and Buford Lemon for their efforts in putting this meeting together.



Joe Ceraso, Chair
ACS Midland Section

You'll also notice in this issue of *The Midland Chemist* that we have a call for nominations for Section offices (see page 9). We still have some positions where we do not have candidates and even for those positions where we do, nominations are still open. If you're interested in finding out more about a position, go to the Leaders page on the Section web site (<http://membership.acs.org/m/midl/>). You'll see a list of the current leaders and links to the by-laws that describe the various positions. And you can always contact any of the leaders listed to get more information. Remember, you don't have to be nominated by someone...you can nominate yourself! However, even if you cannot run for office this time, board meetings are always open...come and see what's happening in the Section.

Another event that may seem a long ways in the future but is developing now and will continue to develop over the next year is the 2006 Great Lakes Regional Meeting, which is the responsibility of the Midland Section. Kurt Brandstadt is heading up this effort and although the committee is already hard at work, I'm sure they could use more help. Just contact Kurt for more information (kf.brandstadt@dowcorning.com 989-496-5185).

A handwritten signature in cursive script that reads "Joseph M. Ceraso".

Midland Section Honors Fifty-Year Members

By Peggy Hill

It is no small event when a member reaches his or her 50-year milestone of service and commitment to the field of chemistry. Special recognition is due to these members who have, for an extraordinary period of time, chosen to serve, participate, and mentor others in the chemical sciences. Six Midland Section members were recently honored at the Spring Awards Banquet for their 50-year association with the ACS. Five of the honorees are featured below.

M. Peter Dreyfuss is a familiar name to *The Midland Chemist*. He and his wife, Pat, have contributed a great deal of time and energy to the Midland Section. His professional career has been no less stellar. After completing a bachelor's degree at Union College (Schenectady, NY) in 1952 and a Ph.D. at Cornell University in 1957, Pete became a research scientist at B.F. Goodrich, specializing in new polymer development. In 1963, he and Pat spent two years at the University of Liverpool where Pete did postdoctoral work on



polyether/oxonium ion reactions. In 1965, the Dreyfusses returned to the States and B.F. Goodrich where Pete took up a senior research position with an emphasis on polyethers, PECH, and Ziegler catalysis. In 1984 he moved to Michigan Molecular Institute (MMI) as a senior research scientist and research professor. Pete retired from MMI in 1990.

Since then, Pete and Pat have been very active in the Midland Section developing *Odyssey of the Mind* and *Kids and Chemistry* programs. Pete served as Section Chair in 1991, a year that the Midland Section was awarded an Outstanding Section Award from the national ACS. He also served as program chair for the 1990 Central Regional Meeting hosted by the Midland Section and has served several terms as a director of the Midland Section. When not busy here in Michigan, Pete and Pat enjoy traveling and spending time with their grandkids on the west coast. They reside in Midland.

Carlos M. Bowman has a thirty-five year history with The Dow Chemical Company, serving as project leader and then director of the computation research laboratory from 1957 until 1980 when he took on project

direction of TSCA implementation (compliance with the Toxic Substance Control Act). Following TSCA management, he continued to develop databases for Dow from 1986–1992. Throughout his career, Carlos was quite active in the Chemical Information Division of the ACS, serving in the division officer group in 1987–88.

His formal education took place at the University of Utah, where he earned a bachelor of arts degree in 1954 and a Ph.D. in 1957. In his community, Carlos is very highly spoken of for his contributions to the Boy Scouts and youth organizations within the Church of Latter-Day Saints. After retiring from Dow in 1992, he and his wife, Ann, made significant contributions as volunteers in Latin America, serving there for six years as missionaries for the Church of Latter-Day Saints. They currently live in Midland.

Bart J. Bremmer spent the bulk of his career at The Dow Chemical Company (1957–1992), where he served as business development manager/laboratory director in new products development. More recently, he continues work with Omni Tech International, where he has been since 1992. At Omni Tech, Mr. Bremmer is a development manager pursuing research into new industrial uses for soybeans.

In earlier years, he completed a bachelor of science degree in 1950 at the University of Leiden, The Netherlands, and then came to the United States and worked as a chemist at Grand Rapids Varnish from 1954–57 before joining The Dow Chemical Company in 1957. Shortly thereafter (1962), he earned a master of science degree at Michigan State University. Bart resides in Midland, Michigan, with his wife of 50 years, Anita, and keeps fit as an avid swimmer.

Douglas E. Leng retired from The Dow Chemical Company in 1996, having had a distinguished 40-year career as a senior research scientist involved in new engineering/computational technology in separations and mixing research. Among his many accomplishments, Doug received the 1995 AIChE North American Mixing Forum Award for Excellence in Mixing Research and Practice, authored eight publications, developed eight patents, and received the Dow Gold Medal in 1993. Testimonials by colleagues exemplify Doug's influence as a scientist, role model, and mentor.



Doug's formal education began at Queens University (Kingston, Ontario) where he earned a bachelor of science degree in 1951 and a master of science degree in 1953. He completed his doctoral work at Purdue University in 1956, and shortly thereafter joined The Dow Chemical Company. Now retired, Doug and his wife, Dr. Marguerite Leng, reside in Midland. Post-retirement efforts on Doug's part include authorship of a chapter to be included in the *Handbook of Industrial Mixing Technology*, consulting, traveling, and photography.

Arthur G. Smith has enjoyed chemical education so much since he began teaching at Delta College in 1970 that he hasn't been able to leave the classroom. Officially retiring as associate professor at Delta in 1996, Art has spent the intervening seven years as emeritus faculty at Delta and adjunct professor at Saginaw Valley State University and Central Michigan University. His passion for teaching and engaging with students keeps him, in his own words, "still teaching after all these years!" His effectiveness as a teacher is as well known as his passion for teaching. Numerous colleagues have spoken of Art's ability to engage students in chemistry and show them chemistry's relationship to the wider world.



Earning a bachelor of science degree in chemistry at Sioux Falls College (Sioux Falls, SD) in 1953, followed by a master of arts degree in chemistry at the University of South Dakota (Vermillion, SD) in 1956, Art came to the Dow Corning Research Department where he worked until 1960. He then attended Colgate Rochester Divinity School (Rochester, NY), where he earned a bachelor of divinity degree in 1963. He began teaching at Delta College in 1970 after a few more years at Dow Corning.

Art has been and continues to be very active in the Midland Section. He has served many posts, including advising the student affiliates at Delta College from 1970–96. Most recently, Art served as section chair in 1998, as member of the long-range planning committee in 1999, and as director from 2000–03. He's been seen keeping fit running through his Midland neighborhood, where he and wife Darlene make their home.

*Call for Posters***2004 Fall Scientific Meeting**

Please consider presenting a poster at the Fall Scientific Meeting, which will be held on Friday, October 22, 2004. Abstracts are being accepted now through September 15, 2004. All areas of chemistry and chemistry-related topics are invited. For more information about the meeting check <http://membership.acs.org/m/midl/fsm04/index.htm>.

Abstract Format

Each abstract should contain; title, author(s) and author(s) affiliations, and abstract body text. The format specifics:

- Single spacing with blank line between title and author and between author and abstract body text
- Times New Roman size 12 font (or comparable)
- Submitted as an e-mail attachment in either Microsoft Word or Adobe Acrobat (pdf) format.
- 225 words or fewer
- Presenting author's name underlined (Note: The e-mail address of the submitter will be the default contact person for all additional information.)

E-mail abstracts to: vohs1jk@cmich.edu. Address questions to: Jason Vohs, Department of Chemistry, Central Michigan University, vohs1jk@cmich.edu.

Do you want to help with the planning of this year's meeting? Contact either Dale or Buford and we'll get you involved.

Dale LeCaptain

lecap1dj@cmich.edu

Central Michigan University

(989) 774-3993

Buford Lemon

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Program for Fall Scientific Meeting Develops

By Dale LeCaptain

In the sixty years since the first scientific meeting of the ACS Midland Section there has been a significant amount of change in the economy of mid-Michigan. The 60th annual Fall Scientific Meeting, Friday, October 22, will tackle the economic development in an ever-changing chemical world. Drawing from the direction of the Michigan Economic Development Corporation (MEDC), the theme this year focuses on the Technology Tri-Corridor of Advanced Automotive Technology, Life Sciences, and Homeland Security and how they will play a major role in the future success of our region.

The meeting will follow the format of the recent past with a morning workshop cosponsored by the Central Michigan Research Alliance “Turning Ideas and Technology into Business.” Lunch will be offered followed by a poster session featuring technical posters from local universities and companies. Exhibitors will again display their wares for scientific interests. The formal welcome and awards presentation will lead into a keynote address tentatively scheduled to be given by the Michigan head of labor and economic growth, David Hollister. The remainder of the afternoon is scheduled for talks in each of the economic development areas, all to be followed by a social hour offering the opportunity to further network with colleagues.

Last year’s meeting brought together over 300 scientists from the mid-Michigan area, featured a poster session, a keynote delivered by the 2003 Presidential Green Chemistry Award winner, and numerous chemical equipment and supply vendors. The morning started with “Green Chemistry Principles and Practices” co-presented by the Green Chemical Institute and EPA, followed by lunch and the poster session. Professor Richard Gross of Polytechnic University delivered the keynote address “Advances in Polyester Synthesis Using Lipase-Catalysis.” The afternoon was packed with several state- and world-renowned scientists presenting their work in the areas of renewable materials and green processes.

Check out the web site for regular updates and participating speakers and vendors. We update often so be sure to check back frequently! <http://membership.acs.org/M/Midl/fsm04/index.htm>.

*Call for Nominations***2004 Midland Section Awards***By Petar Dvornic*

The Midland Section—ACS offers three major awards each year for outstanding performance by individuals. The criteria for each award are listed below. The Awards Committee encourages all section members to nominate deserving colleagues and appreciates your efforts in helping these individuals receive recognition for their 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. The recipient need not be an ACS member. Nominations should include a biographical sketch, list of pertinent publications, evidence of professional growth and involvement, and letters of support from colleagues. Previous recipients are:

1976	Turner Alfrey, Jr.	1990	Joseph E. Dunbar
1977	Etcyl H. Blair	1991	Thomas H. Lane
1978	David C. Young	1992	Donald A. Tomalia
1979	Vernon A. Stenger	1993	Dale J. Meier
1980	Daniel R. Stull	1994	Philip T. Delassus
1981	Bob A. Howell	1995	Duane B. Priddy
1982	Wendell L. Dilling	1996	Hans G. Elias
1983	Donald R. Weyenberg	1997	Ludo K. Frevel
1984	Edwin P. Plueddemann	1998	Patrick B. Smith
1985	Raymond P. Boyer	1999	David E. Henton
1986	Stanley P. Klesney	2000	Steven J. Martin
1987	Warren B. Crummett	2001	Edwin C. Steiner
1988	A. Lee Smith	2002	Thomas J. Delia
1989	Do Ik Lee	2003	Robert M. Nowak

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 of ACS. Nominees shall be members of the Midland Section. Nominations should include a biographical sketch, a history of service to the Midland Section, and supporting letters from fellow ACS members. Previous recipients are:

1989	David C. Young	1997	Thomas H. Lane
1990	Linneaus C. Dorman	1998	Vicky S. Cobb

1991	Donald R. Petersen	1999	Theodore E. Tabor
1992	Wendell L. Dilling	2000	Peter and Patricia Dreyfuss
1993	Bob A. Howell	2001	George W. Eastland, Jr.
1994	Eldon L. Graham	2002	Joan Sabourin
1995	Gretchen S. Kohl	2003	John Blizzard
1996	Fran K. Voci		

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. The ACS defines a chemical technician as a person whose training includes successful completion of a two-year post-high school level chemistry curriculum leading to an Associates Degree, or the equivalent course work in a Baccalaureate program, or the equivalent knowledge gained by experience. The primary work of a chemical technician is conducting experimentation and/or correlating information to help solve chemical problems and/or discover new chemical knowledge. Criteria used to judge the award include job skills, safety, teamwork, leadership, publications and presentations, reliability, communication skills, and additional professional and community activities. Nominees must have worked for five years as a chemical technician. Chemical technicians do not need to be a TECH Division Affiliate or ACS member to be eligible for this award. Nominations should include a biographical sketch and supporting letters that address each of the criteria above. Previous recipients are:

1997	Connie J. Murphy	2001	Gordon R. Roof
1998	David Stickle	2002	Cynthia J. Gould
1999	Ronald L. Good	2003	Robert D. Krystosek
2000	Kurt A. Bell		

The deadline for receipt of nominations and all supporting materials is September 6, 2004. Nominations should be sent to:

Petar Dvornic
Michigan Molecular Institute
1910 W. St. Andrews Road
Midland, MI 48640

Fax (989-832-5560) or electronic nominations are also welcome. If you have questions or need additional information, please contact Petar at 989-832-5555 x 550 or dvornic@mmi.org. Nominators should provide their address and phone number in case the committee needs to contact them. We look forward to hearing from you!

Midland Section Sponsors Presentation

Dr. Gregg Zank, Chief Technology Officer at Dow Corning Corporation, will give a presentation entitled, “Innovation—Is It the Answer?” on Tuesday, September 21, 2004, at 6:00 p.m. in the Ashman Court Hotel Conference Room.

The meeting will begin with a dinner and the presentation will follow. The cost of the dinner will be approximately \$25 per person. For further information and RSVP, please contact Pat Smith at 989-636-5080 or pbsmith@dow.com.

Call for Nominations

Nominees Sought for Section Positions

By Maneesh Bahadur

To date, the following individuals have accepted nominations to run for elected leadership positions in the Midland Section for 2005.

Chair-Elect

Need two candidates

Secretary (1-year term)

Pamela Halpin

Anita Bialek

Treasurer (1-year term)

Csilla Kollar

Need a candidate

Councilor (3-year term)

Tom Lane

Need a candidate

Alternate Councilor (3-year term)

Gretchen Kohl

Need a candidate

Chair, Nominations and Elections Committee (1-year term)

Sheng Wang

Anne Smith

Director (3 positions; 3-year term)

Steve Keinath Wendell Dilling

Mike Owen Doug Beyer

Andrew Chubb Chuck Olsen

This is the final call for nominations from the general membership prior to the October election. A minimum of two candidates is needed for each open position. Please submit any nominations by September 10 to Maneesh Bahadur, 989-496-8902, maneesh.bahadur@dowcorning.com.

Nominations Sought for Chemistry Award

By Ann Birch

The Northeastern Section of the American Chemical Society is seeking nominations of candidates for the Gustavus John Esselen Award for Chemistry in the Public Interest. This award recognizes a chemist for outstanding achievement in scientific and technical work that contributes to the public well-being. The award consists of a \$5000 prize and a medal of recognition. The presentation takes place at an award ceremony in April at Harvard University, followed by a formal address by the awardee. The tentative date for this ceremony is April 14, 2005.

Any field of chemistry is valid as long as the scientific work has clearly contributed to the public well-being and its value to society has become apparent within the last five years.

To nominate a candidate, provide statements from two cosponsors as well as a brief biography of the candidate, a description of the work which has been recognized as communicating the positive values of the chemistry profession, and copies of selected, pertinent articles. Popular news and feature articles should be included as an indication of public interest. Nominations and inquiries should be directed to Dr. Paul Vouros, c/o Karen Piper, 19 Mill Road, Harvard, MA 01451. Nominations should be posted no later than October 15, 2004. Joint nominations are acceptable. The Committee will review the nominations and the award recipient will be notified by the first of February. More information is available at www.nesacs.org.



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GLRM 2004 Slated for October 17–19

By Ann Birch

World-renowned experts will present their most recent advances in their fields during 2004 Great Lakes Regional Meeting. Recent additions to the slate of speakers include Professor John Brady from Cornell University, who will be the keynote speaker of a special session on carbohydrate research.

Several special programs have been added to the agenda, including Diversity Issues in the Chemical Sciences. On Sunday, October 17th, a panel discussion will be held on Preparing Students for the College Experience. Speakers will include Professor Shawn R. Hitchcock of Illinois State University (moderator), Professor Nicole Bennett of Appalachian State University, Darryl Prater of Eli Lilly & Company, and Dr. Jim Shoffner, retired, of the American Chemical Society Board of Directors. Monday evening will include a Project SEED poster session and a poster session on Diversity Issues and EEO. On Tuesday evening Dr. Shoffner will give the keynote address as part of the Entrepreneurship in the Chemical Sciences Symposium.

Other sessions will include: organic chemistry, solid-state NMR, organic synthetic methodology, metal mediated reactions, polyoxometalate chemistry, biodiesel, fermentation, mycotoxins, nanomaterials, carbohydrate chemistry, biochemistry, and inorganic chemistry. To review the full agenda and slate of speakers, or for more information, please visit the GLRM 2004 website at <http://membership.acs.org/g/rlm04>.

Special Note: You can win a three-night stay at the Pere Marquette Hotel (over a \$300.00 value). Make your reservations at the Pere Marquette and tell the hotel you're with the ACS Great Lakes Regional Meeting to be entered in the drawing. You can still be eligible for the drawing on October 1, 2004.

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Sci-Fest 2004**

**Delta College
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10:30 a.m.–2:30 p.m.**



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For more information, call Dave Stickles at 989-496-3273.

In Past Issues of *The Midland Chemist*

By Wendell L. Dilling, Midland Section Historian

- **40 Years Ago This Month**—R.A. Hickner in his column, “The Professional Chemist,” wrote that professionalism carries with it several obligations. One of the foremost of these obligations is to keep up with recent developments in the chemical field. One of the means to this end is the monthly meeting. Despite the efforts of the Program Committee and the amount of money spent in this area, attendance is still at quite a low level (6–15% of total membership).
- **30 Years Ago This Month**—In his Chair Column, Gary LeGrow reported that the Board of Directors met in early August and decided that the programs originally scheduled for the fall of 1974 must go on regardless of the labor situation at Dow, in particular so that ACS members who do not work at Dow are not penalized because of this labor situation.
- **20 Years Ago This Month**—Final plans are being made for the 45th (actually 40th) Fall Scientific Meeting, to be held on Saturday, October 27, 1984 at the H.H. Dow High School. Symposium topics will include: Applied Laser Technology, Toxicology Today, Monomers for Product Diversification and Specialization, Adhesives and Sealants, Epidemiology—Health Science of the 80s, and New Dow Engineering Thermoplastic Products.
- **10 Years Ago This Month**—“Bringing Science to Life in the Classroom”, Hands-On Science Workshop for Elementary School Educators at the 1994 ACS Fall Scientific Meeting, November 5, at Delta College. Learn experiments that students can perform themselves to increase their knowledge, enjoyment and understanding of science. For more information, contact John Blizzard or Marvin Tegen.





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Important Dates on the ACS Midland Section Calendar

- September 6 Deadline for September issue of *The Midland Chemist*.
Deadline for award nominations (Petar Dvornic, 989-832-5555 ext. 550, dvornic@mmi.org)
- September 10 Deadline for nominations for Section offices (Maneesh Bahadur, 989-496-8902, maneesh.bahadur@dowcorning.com)
- September 13 Midland Section board meeting, Delta College Midland Center, Room 1, 7:00 p.m.
- September 15 Deadline for abstracts for Fall Scientific Meeting (Jason Vohs, vohs1jk@cmich.edu)
- September 20 The presentation by the ACS Tour Speaker, Dr. Shedrinsky, scheduled for September 20 has been cancelled.
- October 11 Midland Section board meeting, Delta College Midland Center, Rm. 1, 7:00 p.m.
- October 22 Fall Scientific Meeting, Employee Development Center, Dow Chemical (Dale LeCaptain, 989- 774-3993, lecap1dj@cmich.edu)
- October 23 Sci-Fest, Pioneer Gym, Delta College, 10:30 a.m.-2:30 p.m. (Dave Stickle, 989-496-3273, dstick44@chartermi.net)

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