



## Decision 2004

Section leadership candidate profiles begin on page 8.



### ***Midland Section Takes Home the Prize(s)!***

The Midland Section received four ChemLuminary Awards and four Certificates of Excellence at the fall national ACS meeting. In addition, the Mid-Michigan Technician Group took home the “Best Local Section—TAG Interaction” Award. From left to right: Bob Stowe, Dave Stickles, Gretchen Kohl, Connie Murphy, Angelo Cassar, Joan Sabourin, Tom Lane, Janet Smith, and Bob Howell. See page 2.

# THE MIDLAND CHEMIST

Volume 41, Number 7

October 2004

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*The Midland Chemist* is published eight times a year by the Midland Section of the American Chemical Society.

American Chemical Society

Midland Section

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*Chair Column***FSM and Sci-Fest Coming Up Fast**

**I**t has been 60 years since the first Fall Scientific Meeting (FSM) was sponsored by the local Midland Section. This year's meeting will take place on October 22 at the Dow EDC. Our co-chairs, Dale LeCaptain (CMU) and Buford Lemon (Dow Chemical) have worked diligently with their committee of volunteers to come up with an outstanding program. The meeting will tackle economic development in an ever-changing chemical world. Please mark your calendars for a rewarding meeting. More information can be obtained at the Midland ACS web site: <http://membership.acs.org/M/Midl/>.



Joe Ceraso, Chair  
ACS Midland Section

The next day (October 23), our eleventh Sci-Fest event will take place from 10:30 a.m. to 2:30 p.m. at the Pioneer Gym, Delta College. Dave Stickles and Joan Sabourin, directors of the Midland Section, along with numerous volunteers, have organized this stimulating and entertaining event for children, students, and adults. Last year, over 2000 people attended Sci-Fest with a main theme of "Earth's Atmosphere and Beyond." This year's theme is "Health and Wellness" and promises to have many hands-on activities for the family.

This is the time of year when the Section membership elects Section leaders for 2005. The chair of our Nominations and Elections Committee (NEC) is Maneesh Bahadur. His committee has come up with a group of excellent volunteer nominees. I would like to personally thank the following nominees for volunteering their time: Chair-elect—Andrew Wood and Buford Lemon; Secretary—Aneta Bialek and Pamela Halpin; Treasurer—Csilla Kollar and Gary E. Spilman; NEC Chair—Sheng Wang and Anne K. Shim; Councilor—Thomas H. Lane and Duane Priddy; Alt. Councilor—Gretchen Kohl and Shaow Lin; Director—Douglas Beyer, Andrew Chubb, Wendell Dilling, Steve Keinath, Chuck Olsen, and Michael Owen. More information on each candidate is included within this issue.

Finally, I would like to finish with a well-deserved congratulations to the Midland Section for its excellence in activities last year as noted by the ChemLuminary national awards. This is a truly outstanding performance by the Section and all its volunteers.

*Joseph M. Ceraso*

## Midland Section and MMTG Strike Gold at National Meeting

By Gretchen Kohl and Bob Howell, Councilors

The ACS 228<sup>th</sup> Fall National Meeting was held in Philadelphia, the “City of Brotherly Love.” Despite the city being the nation’s fifth largest, the ACS rarely holds its national meetings there, and we are both surprised that it isn’t a frequent choice. The Pennsylvania Convention Center is new and is located in the central city, very close to most of the hotels. It was very convenient to get to most of the sessions and committee events.

We were very proud to represent the Section and all of the hard work our Section members contributed that led to *eight* nominations for ChemLuminary Awards. This is a new record for nominations. Many kudos to Mike Owen, our 2003 Section Chair, for the quality writing and editing of our annual report and the award nominations that he submitted. We received recognition for all eight nominations with four ChemLuminary Awards and four Certificates of Excellence.



### ChemLuminary Awards

#### *Best National Chemistry Week Contest*

As part of our very successful NCW activities in the community of West Branch, MI, the Midland Section held a novel contest for local school students that was conceived around the NCW theme of “Earth’s Atmosphere and Beyond.” Students from both West Branch and the nearby community of Rose City participated in the event. It being the 100<sup>th</sup> anniversary of the Wright Brother’s achievement, we decided to challenge our students to build some type of flying machine. The students competed for medals in three categories: planes powered by rubber bands, gliders, and hot air balloons. These last entries were heated by hair dryers. Some students worked alone on this



*Philadelphia proved to be a good venue for this year’s fall national meeting. Photo by Angelo Cassar*

project while others formed teams of 3-5 students. There were 521 flight competition entrants from the students.

### ***Outstanding New Local Section Younger Chemists Committee***

Our new Younger Chemists Committee was inaugurated at a planning meeting on February 5, 2003, at the Midland Public Library by our YCC liaison person, Wendy Flory, who had kindly agreed to lead this activity. About 50 people responded positively to our initial flyer with 15 able to attend on the first night. A dozen members volunteered to be part of the operating committee. Membership of our YCC now stands at about 60 members.



*Younger Chemists Committee takes center stage.  
Photographer unknown*

### ***Best Activity or Program in a Local Section Stimulating Membership Involvement***

Our 59<sup>th</sup> annual ACS Midland Section Fall Scientific Meeting was held on October 17, 2003, at The Dow Chemical Company Employee Development Center and was a resounding success. This meeting is the largest gathering of members we have during the year. The theme was “Green Chemistry.” The meeting attracted over 300 attendees and a significant number (14) of vendors and was certainly the most successful meeting of this type we have held in recent years. Highlights included a workshop on “Green Chemistry, Principles, Practice, and Economics” from the Green Chemistry Institute, the presentation of Section awards, an excellent keynote speech by Prof. Gross of Brooklyn Polytechnic, two technical sessions on Green Processes and Renewable Materials, and an after-meeting social.

### ***Outstanding Medium Size Local Section***

The Midland Section had an excellent year overall in 2003 with numerous new initiatives during the year and growth in many of our established, important activities. New initiatives included formation of a Younger Chemists Committee, integrated Science Demos and Professional Day at the fair, a “Green Chemistry” workshop at the Fall Scientific Meeting, launch of an

endowed scholarship, and initiation of planning for the 2006 Central Regional Meeting. Established activities included the largest attendance in recent years at both the main member event, the Fall Scientific Meeting, and Sci-Fest, our outreach to children of all ages, a great year for our newsletter, *The Midland Chemist*, and outstanding NCW and Earth Day events.

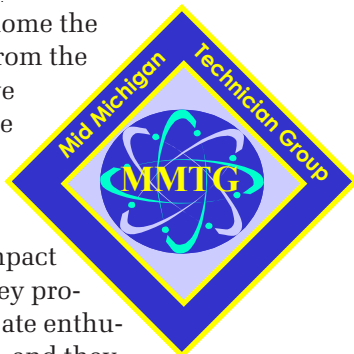
### **Certificates of Excellence**

Certificates of Excellence were received for:

- Local Section and Division Interaction
- Outstanding On-going NCW Event
- Outstanding Event for the General Public Using the Yearly Theme
- ChemPower (recognizes innovative ways to build and strengthen membership in a local section or division)

### **Mid-Michigan Technical Group**

The Mid-Michigan Technician Group took home the Best Local Section–TAG Interaction award from the Division of Chemical Technicians. They have previously won 10 National ACS Awards, the latest prior to this meeting being “Best Overall TAG” for 2002. There are many reasons why MMTG has been recognized in this way—they offer talks and workshops that impact members professional and personal lives, they provide networking opportunities, they participate enthusiastically in community outreach programs, and they have good fun doing it.



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## Other News from National Meeting

Council meeting started with a 7:00 a.m. breakfast, the very next morning, so we had to curtail our celebration somewhat! And, to help us come to order before the actual start of business, the Philadelphia Section and staff arranged to have a 15-minute jam session by a Mummers string band. Anyone who has seen a Macy's Parade on TV has seen the Mummers march in their feathered costumes and headgear, playing banjos, drums, and saxophones. Inside the hotel ballroom, this was a lively way to get our attention!

### *Voting By-laws Changed*

Results of the committee elections will be reported in *C&E News*, so we will update you on only the most important Council issues as they relate to our Section. We did vote to change the ACS by-laws to allow for voting for local section and division Councilors and Alternate Councilor by means other than the standard mailed ballot. Note, this does not mandate electronic voting, nor does it automatically change the individual local section or division by-laws. This petition, which did pass, will now allow this issue to be put to a vote by all members. You will be receiving information with your ballot, in the future, that will more fully describe these changes.



*Angelo Cassar, alternate councilor, and Gretchen Kohl, councilor, with Midland Section poster.*  
*Photographer unknown.*

### ***Council Passes New Criteria for Society Membership***

Another item that passed by vote of Council that is of particular interest to our Section is the new criteria for Society membership that will hopefully interest teachers. The new requirement category is for anyone with “Full certification, licensure, or other qualification as a pre-college teacher of chemical science and three years of employment as a teacher of chemical science,” to be eligible for full membership and for associate Society membership one who is “fully certified, licensed, or otherwise qualified pre-college teacher of chemical science.” In advance of this passing, it was obvious that Divisions and Society committees are seeking input and are planning programming to involve pre-college teachers. With our many education and outreach programs, we should extend this invitation and encouragement to participate to our area teachers.

### ***Council Discusses Multidisciplinary Topics, New Committee***

There were rather long discussions during Council about two issues that reflect our national and employment environment, namely ethics and multidisciplinary opportunities. The Committee on Committees (ConC), despite the odd name, is a committee that staffs the other governance committees and controls their formation and dissolution. The ConC proposed the formation of a new Committee on Ethics. This committee would have no adjudication power but would be a visible portal to field any ethics issues and represent the Society’s standard of conduct. With corporations and other institutions falling victim to internal ethics violations, this was proposed to serve as “an educational resource and clearinghouse.” The proposed committee would have nine members and would meet at the two national meetings, representing a Society cost of about \$20,000 per year. This issue was eventually referred back to Committee, to see if there were not any existing committees that could serve this function.

The second issue was not brought up for any action, but reported the activities of a task force that is looking at the “redefinition” of chemistry, in terms of merging and new disciplines. Areas of interest are bio-pharma, chemical biology, nano-science, computational chemistry, and materials chemistry and engineering. The task force is looking at the possibilities of new journals, specific programming, boutique/joint meetings and how and if we want to attract specialists in these areas. If you have any input to provide to this task force, either send your comments to us, or directly to ACS at [www.multidiscipline@acs.org](mailto:www.multidiscipline@acs.org).

### ***Financial News, Employment Reported***

The financial news was good, with the budget on track. The net contribu-



tion is projected to be \$1.5 million, with a \$60,000 favorable variance. This is mainly due to CAS and Publications. The ACS is selling their Belmont Conference Center to Howard Community College Educational Foundation. The new Executive Director is Madeleine Jacobs and her energy and new direction are already having positive effects.

The National Employment Clearinghouse was busy at this meeting. The comparison of this year and the last two fall meetings are below:

	2004 Fall	2003 Fall	2002 Fall
Companies	107	97	270
Jobs	303	293	512
Seekers	1556	1564	1242

This trend is nothing new to us in this Section, and actually looks unchanged from last year. The national average for chemist unemployment is at an all-time high of 3.6! There were many programs at the meeting about resources and training available to help those of us who are currently looking for work. ACS continues to be a good networking resource in these unfortunate times.

Attendance in Philadelphia was very good, with 13,805 registered by Tuesday evening. There were 1,129 exhibits, which maxed the booth space available in the Convention Center. Despite the good attendance and favorable budget, the registration fee for the next meeting has been raised ten dollars, to \$295 per meeting for next year.

Connie Murphy served her statutory limit on the Membership Affairs Committee, and Gretchen served hers on the Committee for Environmental Improvement (CEI). Both were recognized at Council and also received framed certificates. This was also Gretchen's last meeting as your Councilor. On a personal note, Gretchen would like to thank everyone for the honor to represent you, as one of your Councilors, for the last nine years. It has been a pleasure! The Midland Section has quite a wonderful, earned reputation, won with hard work and dedication from many of its members. These National ACS meetings are interesting, invigorating, and very busy, but being a councilor does get you more involved with the Society and staff. I highly recommend this service and urge others to consider running for this position in the future. Thank you again for letting me have the opportunity!

As usual, please send any questions you have about this report or any other Section or Society question to:

- Bob Howell (bob.a.howell@cmich.edu)
- Gretchen Kohl (gretchen.kohl@dowcorning.com)

## Exercise Your Rights! Vote!

Candidates for Midland Section offices are listed on subsequent pages by position and then alphabetically. These individuals are willing to spend their personal time working for you. ***Please respond by taking your time to vote for the candidates of your choice using the ballot on page 18.***

### *Candidates for Chair-Elect*

#### **Buford I. Lemon, III**

The last five years have shown that rapid change is here to stay. Our move into the information age has greatly impacted every facet of our society, and our idea of the discipline of chemistry broadens and cross-fertilizes in many exciting new ways: nanotechnology, bio-inspired catalysis, and smart materials to name a few. Our Midland Section of the ACS is changing as well. In the last 5 years, three dozen Ph.D. chemists, engineers, and technologists have arrived from across the world and now call the Midland Section their scientific and actual homes. These fresh, new faces are dedicated to making a difference in the world in which they live. Indeed, they've already made a huge impact on the Midland Section (Fall Scientific Meeting, Younger Chemists Committee, and Mid-Michigan Technician Group events), but there's still work to be done.



Our bigger, faster, outsourced world presents many challenges; our re-invigorated Midland Section of the ACS is particularly suited to tackling two of them:

- *We all feel "pinched" and see decreased participation in ACS activities.* We have less free time than ever, and it's harming the activities that mean the most: outreach, reward and recognition, and networking. We're improving in areas (YCC, FSM), and will continue to promote important, timely activities that increase member participation and community impact.
- *Deemphasized scientific focus.* As current economic conditions drive us to streamline and focus more on economic factors, the focus of both the public and our membership is drifting away from science. Strong ACS advocacy and participation in ACS activities allows members to demonstrate leadership at workgroup, local, and national levels. This creates a win-win situation that improves job satisfaction and promotes the advancement of science, directly addressing the first responsibility

in the ACS's Chemists' Code of Conduct, namely, "Chemists have a professional responsibility to serve the public interest and welfare and to further knowledge of science."

**Professional Experience:** Research Specialist, Chemical Sciences, The Dow Chemical Company, 2004–present; Advanced Electronic Materials, Dow, 2001–2004; Adjunct Faculty, Saginaw Valley State University, 2002; Postdoctoral Researcher, Texas A&M University, 1999–2001

**Education:** Ph.D. Inorganic Chemistry, Northwestern University, 1999; M.S. Inorganic Chemistry, Northwestern University, 1996; B.S. Chemistry, Wheeling Jesuit College, 1994

**ACS Activities:** Joined 2000; Fall Scientific Meeting

**Other Information:** 15 publications; Thesis "Electrochemical and Nonlinear Optical Investigations of Nanoscale Insulator/Solution and Metal-Oxide Semiconductor/Solution Interfaces;" L. Carroll King A-level Teaching Award, Northwestern University, 1998; Chemistry Award, Pittsburgh Society of Spectroscopists, 1994; Book Scholarship, Union Carbide Corporation, 1994; English, chemistry, physics, and math tutor, Wheeling Jesuit College, 1991–1994; physics and math tutor/instructor, Upward Bound Program, Wheeling Jesuit College, 1992–1994

## Andrew Wood

I present my candidacy for chair-elect to the membership of the Midland Section of the ACS. While our section is second to none, all chemists face challenges from a changing macro-economic, technological, and globalization landscape. In order to increase the value to our membership, the Section must build on the success of our current activities, including the Fall Scientific Meeting, Central Regional Meetings, *The Midland Chemist*, and Section awards, to name a few. We must also continue to reach out to the public in order to increase the general understanding of chemistry. Our current programs (including Chemistry Olympiad, Project SEED, the chemistry explorer post, Odyssey of the Mind, the county fair booth, Project Literacy, National Chemistry Week, and Sci-Fest) are an excellent start. We need to continue improve and grow.



If elected, I promise to lead the section to the best of my ability. I believe the challenges that lie ahead will only be successfully met if the Section chair, executive committee, and membership work together.

**Professional Experience:** Business Manager, Impact Analytical at MMI,

1995–present; Analytical Research and Development, Dendritech Inc., 1995–1996; Analytical Scientist, Molecular Biosystems, Inc., 1993–1995; Research Chemist, The Dow Chemical Company, 1989–1993

**Education:** MBA, University of Michigan, 2002; B.S. Chemistry, University of Illinois (Urbana-Champaign), 1989

**ACS Activities:** Joined 1987; Division of Analytical Chemistry; poster sessions at Freeport meeting, 1992–1993; Facilities Chair, Fall Scientific Section Meeting, 1999

**Other Information:** Michigan Core Scholar Award–Corporate Strategy; Beta Gamma Sigma; Registered Patent Agent (#41,384); Outstanding Teaching Assistant Recognition; Year abroad at Nottingham University, 1988

## ***Candidates for Councilor***

### **Thomas H. Lane**

**Professional Experience:** Senior Research Scientist and Technology Leader for Silicon Biotechnology, Dow Corning Corporation

**Education:** Ph.D., The Open University, 1990; M.S., Central Michigan University, 1979; B.S. Chemistry, Purdue University, 1974

**ACS Activities:** Joined 1973; National Offices: Committee on Corporation Associates, 1996–04; Vice-Chair, 2002–04; Board of Trustees, Group Insurance Plans for ACS Members, 2002–04; Midland Section Offices: Chair, 1996, 1986 and Chair-Elect, 1995, 1985; Secretary, 1982; Board of Directors, 1984–95, 1982; Past Chair, 1997, 1987; Chair, 1996, 1986; Chair-Elect, 1996, 1985; Executive Committee, 1996–97, 1985–94, 1982; ACS National Science Foundation Network Member, 1991–00; ACS Science Advisor, 1990–92; Chemistry Lab, Community Culture Center, 1986, 1982; Author's Night Committee, 1984–86; Teacher Group, 1987, 1984, Chair 1987; Publicity Committee, Chair, 1983; Olympics of the Mind, 1982–84; Saginaw Science Fair, 1982–86; Membership Growth Committee, 1980–81, Chair 1981; Seminar Committee, 1979–80, Chair 1980; Award and Recognition Committee, 1979–84; Program Committee, 1979; Fall Scientific Meeting, (various committees), 1974 to date.

**Other Information:** Holds or has held positions in the following organizations: Delta College, Delta College Foundation Board, Dow Corning Foundation, Alden B. Dow Museum of Science and Art, Virginia Commonwealth University, Medical College of Virginia, University of Minnesota, Kettering University, Science Advisory Board Polygen Corporation; published 24 journal articles, four book chapters; holds eight U. S. patents; honors since 1995 include: ACS's 125th Anniversary Salutes to Excellences Award, 2001; Outstanding Service to the American Chemical Society, Midland Section, ACS 1997; Honorary Professor of Chemistry,

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Open University, Milton Keynes, England, 2003; Central Michigan University Distinguished Alumni Award, 2002

### **Duane Priddy**

**Professional Experience:** Plastics Consultant, Impact Analytical Laboratory, MMI, 2003–present; Priddy & Associates Plastics Consulting, 2001–present; Research Scientist, Dow Plastics, 1970–2001.

**Education:** Ph.D. Organic Chemistry, Michigan State University, 1971; B.A. Chemistry, Olivet College, 1966

**ACS Activities:** Joined 1965; Industrial Advisor to ACS POLY Div. Executive Committee 1999–2002; Member ACS POLY Program Committee, 1996–present

**Other Information:** 100 publications in scientific journals; 65 US Patents; awarded “Fellow” of ACS Polymeric Materials Div. 2001; awarded “Outstanding Achievements in the Chemical Sciences” by Midland ACS 1995; received “Salutes to Excellence” award by Midland ACS 2001; received “Lifetime Achievement Award” Dow Plastics 2001; Adjunct Professor, Central Michigan University; Adjunct Professor, Michigan Technological University; External Advisory Committee, Colorado School of Mines; Dissertation Advisor to two Ph.D. and Thesis Advisor to 16 M.S. students, 1988–present; invited keynote speaker ACS Middle East ChemIndix Conference, 2004

## ***Candidates for Alternate Councilor***

### **Gretchen Kohl**

**Professional Experience:** Customs and International Trade Specialist, Dow Corning Corporation

**Education:** B.S. Chemistry, Grand Valley State University, 1975

**ACS Activities:** Joined 1975; National ACS Activities: Division of Professional Relations, 1975–present; Member of National Task Force Addressing B.S. Chemists’ Needs, 1989–1990; Member of ACS Books Advisory Board, 1990–1995; Chair of the Pollution Prevention Subcommittee, 1997–2000; Membership Chairman of Preventative Pollution Prevention (P3) Subdivision of Industrial & Engineering Chemistry Division, 1994–97; Member of Committee on Environmental Improvement, 1993–2004; District II Councilor Caucus Secretary, 1997–2004; Liaison to Committee on Local Section Activities, 2000–2003; Committee Associate on Committee on CAS, 2001–2003; Midland Section Activities: Editor of *The Midland Chemist*, 1982–1985; Section Treasurer, 1986; Director, 1987; Chair-elect, 1988 & 1992; Chair, 1989, 1993; Past-chair and Chair of Long Range Planning Committee, 1990, 1994; Director, 1991; Chairman of Teacher Affili-

ate Committee, 1995; Section Councilor, 1996–present; NCW Co-chair, 2000–present, Member of N&E Committee, 1999–2001.

### **Shaow Lin**

**Professional Experience:** Associate Scientist and Technical Leader for the Delivery Technology in Specialty Chemicals S&T, Dow Corning Corporation, with Dow Corning since 1999; Principal Chemist, General Electric Silicones, 1989–1999; PPG Industries, 1984–1989; Syntex Ophthalmics, 1982–1984.

**Education:** Ph.D. Macromolecular Science, Case Western Reserve University

**ACS Activities:** Joined 1984; division member of Polymer, PMSE

**Other Information:** Post-doctoral at the University of Wisconsin-Madison; numerous U.S. patents and scientific publications; 1994 and 1996 Carl Dahlquist Awards, 1995 GE Silicones Technology Excellence Award, Dow Corning 2002 Technology Achievement Award; member of Society of Cosmetic Chemists and Controlled Released Society. It would be an absolute honor to serve the Midland ACS community and the professionals!

## *Candidates for Secretary*

### **Aneta I. Bialek**

**Professional Experience:** Joined Dow Corning in 1996 as a member of Flowable Oxide group; currently working on living polymerization synthesis and preparation of nanoparticles; previously worked with the Interface Expertise Center on surfactant systems

**Education:** B.Sc. and A.A.S. in Applied Biology and Industrial Chemistry Technology, respectively, Ferris State University

**ACS Activities:** Joined 2000; two years as member of ACS Awards Committee

**Other Information:** Originally from Poland; moved to United States with her family in 1987; interests include psychology, linguistics and music

### **Pamela R. Halpin**

**Professional Experience:** Senior Analytical Chemist, Analytical Sciences, Dow Corning Corporation; with Dow Corning since 2002

**Education:** Ph.D. Chemistry, Northern Illinois University, 2001; B.S. Chemistry, Indiana University, 1996

**ACS Activities:** Joined 1997

**Other Information:** Served as student liaison, poster session chair, and board member at large of Chicago section of Society for Applied Spectroscopy (SAS), 1998–2001

## Candidates for Treasurer

### Csilla Kollar

**Professional Experience:** Joined Dow Corning, 2000; currently working on various bioscience research activities; previously developed expertise in surface modification technologies, and rubber development; worked as analytical chemist for Novartis Pharmaceuticals and Roberson Microlit Laboratories

**Education:** B.S. and M.S. Chemical Engineering, Technical University of Budapest, 1987 and 1990

**ACS Activities:** Joined 2000

**Other Information:** Moved with family to United States from Hungary in 1993 after winning green card on the Diversity lottery

### Gary Spilman

**Professional Experience:** Core R&D, Polymer Chemistry, The Dow Chemical Company, 2003–04; Eastman Chemical Company, McWhorter Technologies subsidiary, 1998–2003; General Electric Plastics, Lexan Platform, 1996–1998

**Education:** Ph.D. Macromolecular Science and Engineering, The University of Michigan, 1996; M.S. Macromolecular Science and Engineering, University of Michigan, 1994; B.S. Microbiology, Michigan State University, 1984

**ACS Activities:** Joined 1988; member PMSE and Polymer Chemistry

**Other Information:** Worked in automotive-related chemical industry since B.S. degree (1984) starting in metalworking fluids (Pillsbury Chemical, Detroit) and automotive pretreatment (PPG Chemfil, Troy) before going back for full-time graduate study; coauthor of five US patents, three active US patent applications, one European patent; and ten external publications

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## ***Candidates for Chair, Nominations and Elections Committee***

### **Anne Shim**

**Professional Experience:** Associate Development Specialist in Advanced Technology and Ventures, Dow Corning Corporation, with Dow Corning since 1999

**Education:** M.Sc. and Ph.D. Polymer Science, University of Akron; M.Eng., Technical University of Denmark

**ACS Activities:** Joined 1999

**Other Information:** Position as a technical leader of soft lithography development involves close collaboration with academia and industry; principal investigator for Dow Corning on sponsored research agreements with University of Illinois, Urbana and Champaign; collaborating with the university on two awarded GOALI programs

### **Sheng Wang**

**Professional Experience:** Research Specialist, Dow Corning Corporation, with Dow Corning since 2000; Visiting Scientist, Max-Planck Institute for Polymer Research in Mainz, 1998–2000; Research Associate, Institute of Chemistry, Chinese Academy of Sciences, 1994–1998

**Education:** Ph.D. Polymer Chemistry, Virginia Polytechnic Institute and State University, 2000; M.S. Polymer Science, Institute of Chemistry, Chinese Academy of Sciences; B.S. Chemistry, Wuhan University, China, 1986

**ACS Activities:** Joined 1998; presented research work several times in the National ACS meetings and workshops

**Other Information:** Member of other societies, such as MRS and Sigma Xi

## ***Candidates for Director***

### **Doug Beyer**

**Professional Experience:** Currently Research Associate, Saran Barrier Systems R&D, The Dow Chemical Company; various research positions within The Dow Chemical Company, 1975–present; various research appointments, Dow Corning Corporation, The Dow Chemical Company, Swedish Forest Products Research Institute, 1969–1974

**Education:** M.S. Organic Chemistry, University of Wisconsin, 1975; B.S. Chemistry, Michigan State University, 1974

**ACS Activities:** Joined 2000; currently Midland Section treasurer (2001–04), served on various scientific meeting committees

**Other Information:** Volunteer, business, and finance advisor, Junior



Achievement, Midland, 20 years

## Andrew Chubb

**Professional Experience:** Assistant Professor of Chemistry, Saginaw Valley State University, 2002–present; temporary instructor, Department of Chemistry, Iowa State University, 1998

**Education:** Ph.D. Organic Chemistry, Iowa State University, 2003; A.B. Chemistry, Washington University (St. Louis, MO), 1995

**ACS Activities:** Joined 1995; Organic Division

**Other Information:** Research interests include nerve agent antitoxins, organosilicon and -germanium chemistry, and materials chemistry; actively involved in undergraduate student research, mentoring nine students, and co-authoring eight poster presentations in the past two years; member, SVSU Teaching and Learning with Technology Roundtable, 2002–present; member, SVSU Health Professions Advisory Committee, 2004

## Wendell L. Dilling

**Professional Experience:** Adjunct Professor, Visiting Scientist, Temporary Instructor, Central Michigan University, Department of Chemistry, 1992–present; The Dow Chemical Company, 1962–1992

**Education:** Ph.D. Organic Chemistry, Purdue University, 1962; B.A. Chemistry, Manchester College, 1958

**ACS Activities:** Joined 1959; Director, 1997–present; Executive Committee, 1997–present (chair, 2000); Historian, 1997–present; Scholarship Committee, 2002–present; Program Committee, 1999, 2003 (chair, 1999); Nominations and Elections Committee, 1994, 1995, 1999–2002; Long Range Planning Committee, 1996, 2001–2002 (chair, 2001); Section Chair, Chair-Elect, Past Chair, 1999–2001; Fall Scientific Meeting Committee, 1994–1995, 1997, 2001; National Chemistry Week Committee, 2000; Government Affairs Committee, 1999–2000; Personnel Committee Chair,

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1997–1999; Midland County Fair Booth Volunteer, 1994–1995, 1997, 1999; Project SEED Co-preceptor, 1990–1993, 1998; Membership Growth Committee, 1998; Councilor, 1976–1996; 29th Central Regional Meeting Advisory Board, 1994–1995; Project SEED Committee, 1994; 75th Anniversary Celebration Committee, 1993–1994; various other committee positions and activities, 1963–2002

**Other Information:** 57 external publications, 15 presentations at national ACS meetings, 21 presentations at regional ACS meetings, 15 presentations at other national and international meetings, recipient of Midland Section Awards for Outstanding Achievement and Promotion of the Chemical Sciences, 1982, and for Outstanding Service to the American Chemical Society, 1992

### **Steven E. Keinath**

**Professional Experience:** Currently Research Scientist and Associate Professor, Michigan Molecular Institute

**Education:** Ph.D., Chemistry, Michigan Technological University, 1992; M.A., Education, Central Michigan University, 1985; M.B.A., General Business, Saginaw Valley State College, 1981; M.S., Polymer Science, University of Massachusetts, 1978; B.S., Chemistry and Physics, Saginaw Valley State College, 1976

**ACS Activities:** Joined 1977; Co-editor, *The Midland Chemist*, 1984–85; Editor, *The Midland Chemist*, 1986–87; Printing Chairman, 22nd ACS Central Regional Meeting, 1987–90; Co-chairman, Awards Committee, 1992; Member, Awards Committee, 2003–04; Alternate Councilor, 1993–98, 2002–04; Member, Nominations and Elections Committee, 1994–97; Chairman, Nominations and Elections Committee, 1999–2001; Member, Auditing Committee, 1995, 1998; Session Moderator at Midland Section hosted meetings: Fall Scientific Meetings, 1996–97. Papers presented at Midland Section hosted meetings: Fall Scientific Meetings, 1975, 1984, 1986, 1989, 1990, 2000, 2003–04; 22nd ACS Central Regional Meeting, 1990; Authors'/Awards Night, 1991.

### **Charles W. Olsen Jr.**

**Professional Experience:** Global Fluorosilicone Market Specialist working with the commercialization of new high performance elastomers, Dow Corning Corporation, 2001–present; joined Dow Corning 1997 working with silicone polyether surfactants; developing and commercializing silicone polyurethane hybrid polymers, AlliedSignal (Honeywell); seven years working on the space shuttle program solid fuel rocket boosters, Thiokol Corporation, Utah

**Education:** M.S. Management of Technology, Stevens Institute of Tech-

nology, Hoboken, NJ, 1996; B.S. Chemical Engineering, University of Washington, 1985; A.A. and A.S., Olympic College, Seattle, WA

**ACS Activities:** Joined 2002

**Other Information:** Active in boy scouts as an adult leader; practicing member of Toastmasters International

## Mike Owen

**Professional Experience:** Retired from Dow Corning Corporation as Scientist Emeritus in 2000 after a 35-year career; attained position of Senior Research Scientist prior to retirement; currently Adjunct Professor at MMI and volunteer with NSF

**Education:** B.Sc., Ph.D. and D.Sc., University of Bristol, UK

**ACS Activities:** Joined 1975 upon transferring to Midland from Barry, Wales; active member of Midland Section and Polymer Division; Midland Section treasurer for four years; alternate councilor for three years; 2003 Section chair; co-organizer of a series of symposia on Silicones and Silicone-Modified Materials at national ACS meetings, the fourth of which will be in San Francisco in the fall of 2006.

**Other Information:** Scientific interest is the surface chemistry of silicones with emphasis on fluorosilicones and surface modification techniques; Fellow of the Royal Society of Chemistry; recipient of the de Bruyne Medal from the Society for Adhesion and Adhesives





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## Ballot for Election of 2005 Midland Section ACS Officers

1. Vote for the candidate of your choice, selecting one for each office except as noted.
2. **IMPORTANT:** To maintain anonymity, **do not sign** the **ballot** or the **inner ballot envelope**.
3. Place the ballot in the ballot (inner) envelope. Place the ballot envelope in the return envelope and sign and print your name on the return (outer) envelope. You **must sign** your name on the **outer envelope** to have your ballot counted. See #4 below.
4. In order to vote, you must be a member or associate member in good standing with the ACS. Affiliates are ineligible to vote according to National ACS bylaws.
5. Ballots must be received at the address below **on or before October 25, 2004.**

Maneesh Bahadur, Chair  
Midland Section ACS Nominations & Elections Committee  
2200 W. Salzburg Rd. Mailstop DC 40A15  
Dow Corning Corporation  
Midland, MI 48686-0994

### BALLOT

**CHAIR-ELECT** (vote for one)

Buford Lemon

Andrew Wood

**SECRETARY** (vote for one)

Aneta Bialek

Pamela R. Halpin

**TREASURER** (vote for one)

Csilla Kollar

Gary E. Spilman

**CHAIR, NOMINATIONS & ELECTIONS COMMITTEE** (vote for one)

Anne K. Shim

Sheng Wang

**COUNCILOR** (vote for one)

Thomas Lane

Duane Priddy

**ALTERNATE COUNCILOR** (vote for one)

Gretchen Kohl

Shaow Lin

**BOARD OF DIRECTORS** (vote for three)

Doug Beyer

Steve Keinath

Andrew Chubb

Chuck Olsen

Wendell Dilling

Mike Owen

## Professional Day Scores Another Hit!

By Wendy Mathews

Over 400 people participated in Professional Day at the Midland County Fair on August 16—the best attendance ever! The purpose of Professional Day is to show appreciation to our members and their families and provide information on ACS, along with several of its affiliated groups, and their outreach to members and the public. There was a steady line at all stations at the picnic this year, from the hot dogs to the cotton candy. (And thanks to the nice breeze...hot dogs with cotton candy on them.) The face painters were quite popular this year with their wonderful designs from small bugs to entire faces of the American flag, lions, and beautiful butterflies (thank you, Tiffany and Jewel). The moonwalk was hopping as usual with all the little ones, and a few big ones! Tim Drier was a good sport and helped out with the warm-up session in the dunk tank. I have to say that we have some pretty good pitchers out there—Tim spent plenty of time in the water!

The science demonstrations were again open to the public this year and made many faces smile, children and parents alike. There were a few new demos this year, along with the well-known favorites. This year the participants went away with a goody bag filled with fun and tasty treats, as well as information on



*Smiling faces all around...Kerry Pacholke's family had a good time at Professional Day.*

*Photo by Angela Ceraso.*



*What's cookin'? Hot dogs, of course, with chefs Joe Ceraso and Mike Owen.*

*Photo by Angela Ceraso.*

the upcoming Sci-Fest 2004 at Delta College on October 23, 2004.

Thanks to all of you who participated, whether it was by volunteering for the event or just coming out and having fun. In the past we have not only had many members that give their time and efforts but their families come out and help as well, and this year was no exception. It is really great to see so many organizations pull together to make this event happen, and be such a success. This year we had several volunteers who helped out even though they were not members of any invited organization (they soon became members.) We also had children who volunteered to do science demos to other children. That is what it is all about, having fun through science and learning a little along the way.



*More happy campers having fun at Professional Day.*

A special thanks goes out to all of the great sponsors that we had this year. Some of these sponsors were: Great Lakes Safety, Delta Dental, Competitive Edge, Adaptive Imaging, BOC Gas, Roll Arena, and TCBY. I would also like to thank Tina Litchfield's family as well as my own family. Without a committee this year I was quite challenged and our families were there to help with the planning, endless running, stuffing goodie bags to all hours of the night, babysitting, face painting, and much, much more. Penny Wallace of Adaptive Imaging ran the video recorder and took pictures throughout the event and will be putting the images onto a CD that I will have if anyone is interested. Angela Ceraso also took photos throughout the event.

Congratulations to Emilee Nagy for winning the volunteer raffle! Thanks again to all of you for your time and effort, it is very much appreciated.

Dave Stickles	Dana Bitzer	Lisa Gonzalez	Tim Drier
Pam Slavings	Debbie Bailey	Robert Flores	Tricia Wilson
Lena Nguyen	Wendy Klein	Diane Wirsing	Karin Syverud
Joe Ceraso	Becky Swanson	Paul Popa	Mike Ferritto
Mike Owen	Kerry Pacholke	Wendy Flory	Becky Lorenz
Emilee Nagy and Family		Sue Perz and Family	
Tina Litchfield and Family		Wendy Mathews and Family	



**17th Anniversary of  
National Chemistry Week  
at  
Sci-Fest 2004**



**Delta College  
October 23, 2004  
10:30 a.m.–2:30 p.m.**

**Theme: Health and Wellness**

Special Science Demonstrations for Kids of All Ages and  
Information on Science Programs Available in Your Area

Center Stage: Creative Spirit Center

Sponsored by Midland Section—American Chemical Society,  
Delta College, and the Mid-Michigan Technician Group

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

## Fall Scientific Meeting Coming Up!

By Buford Lemon and Dale LeCaptain

We'd like to invite you to the 60<sup>th</sup> ACS Midland Section Fall Scientific Meeting, October 22, at the Employee Development Center of The Dow Chemical Company. Last year's successful meeting, "Green Chemistry" focused on many timely aspects of sustainable development. We've modeled this year's meeting after the last, both in content and format.

In the last three years, our world has changed at an increasingly rapid rate. We continue to see energy prices rise beyond comfortable levels, new advances in drug development and medical technology continue to amaze us, and, unfortunately, the threat of terrorism has become a reality here at home. Shaping these concerns has been an unstable economy in which many of us are worried about our jobs. While change induces uncertainty in most of us, empowerment can translate uncertainty into opportunity.

How timely, then, that Governor Granholm has directed a thrust of the Michigan Economic Development Corporation that we've chosen as this year's topic. Titled the "Technology Tri-Corridor," the thrust has following mission statement.

*The Technology Tri-Corridor capitalizes on the best research and commercialization opportunities in the Homeland Security, Life Sciences, and Advanced Automotive Technology fields to foster a robust, entrepreneurial private sector, thereby advancing technology and promoting collaborative partnerships that enhance economic growth and the health and well being of the citizens of Michigan.*

We've decided to bring this home to the Midland Section as both the topic of this year's meeting and as a springboard for another workshop. While we can do little about our enormous economy individually, a growing number of people create their own opportunities by starting small businesses. "Small Business and Intellectual Property" is the title of our morning workshop led by Brent Case of the Central Michigan Research Alliance and followed by speakers from start-up companies and Central Michigan University. During the ACS-provided lunch and throughout the afternoon, poster sessions and a vendor exposition will be held.

We'll then kick off the afternoon with our formal welcome and local section awards. Don Jakeway, CEO of the Michigan Economic Development Corporation, will deliver the keynote, "Economic Development in Central Michigan," which will focus on aspects of the Technology Tri-Corridor. We then have a trio of speakers who will speak on each focus area of the Tri-Corridor. John Ort will speak about his post as head of Homeland Security for the Michigan State Police. Carol Kingsmill from Pfizer will discuss "The Role of Mass Spectrometry and Analytical Chemistry in De-



veloping Safe Pharmaceuticals.” And Ed Murphree of Dow Chemical will wrap up the day’s talks with “Fuel Cell Technology, Freeport GM-Dow Initiative,” which will detail Dow and GM’s exciting collaboration to advance the development of fuel cells. Finally, we’d like to invite everyone to 101 Main Street Food and Spirits in beautiful downtown Midland for a social event sponsored by this year’s vendors.

Please pre-register at <http://membership.acs.org/m/midl/> by clicking on the Fall Scientific Meeting link, then Registration. For those who do not have a chance to preregister, registration will be available at the meeting. A preliminary program will be available on the web site by September 30. A complete program with abstracts and location details will be on the web and mailed to Midland Section and MMTG members October 12.

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## MMTG Starts Winding Up 2004

*By Wendy Mathews*

**W**ell, the year is rapidly coming to a close, but we still have plenty of events coming up this year. The next event in line is the Annie Walker Skills Assessment Workshop that is being offered free to all MMTG members. This event will occur on October 7 at Dow Corning Corporation and October 8<sup>th</sup> at The Dow Chemical Company. Both sessions will be held from 8:00 a.m. until 12:00 p.m.

Annie is an enthusiastic motivational speaker with a passion for helping others achieve their full potential. She has over 34 years experience in both the corporate environment and as a private business owner. She has a broad background in communication, organization, and training. She is personally committed to enabling others to become aware of the power within them and help turn that awareness into actionable skills. She is a private consultant in all areas of personal and career development.

**Workshop Description:** The speed of change in the marketplace compels all of us to develop a flexible mix of skills and learn how to adapt them to the changing business needs. Take control of your destiny. Learn the difference between a “job” and your life’s work and how to “be happy in what you do.” Annie will share some key concepts around identifying your competencies and transferable skills. You will be introduced to a simple assessment tool for identifying transferable skills and developing a personal skill profile.



Any MMTG member who is interested in attending this workshop can contact Debbie Bailey at 989-496-6337, [d.k.bailey@dowcorning.com](mailto:d.k.bailey@dowcorning.com). If you are not a member and would like to join, please contact Becky Swanson at 989-636-5348 or [raswanson@dow.com](mailto:raswanson@dow.com).

MMTG is also participating in Sci-Fest again this year. We are looking forward to another fun-filled event at Delta College on October 23, 2004, from 10:30 a.m. until 2:30 p.m. Please come and join us for some fun. If you would like to volunteer for this event contact Dave Stickle at 989-496-3273 or [dstickle44@chartermi.net](mailto:dstickle44@chartermi.net). This event is always a great time for young and old alike.

We are planning a year-end celebration, but it is still in the initial planning. If you would like to help with the planning for this event or have some ideas, please feel free to contact me at 989-636-3934 or 989-689-6305.

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## **In Memoriam: Robert Allen Stowe**

**D**r. Robert Allen Stowe died September 9, 2004, at his home in Cross Village. He had retired from The Dow Chemical Company as an associate scientist after 36 years of service. He had worked in research and development and was best known for his work in catalysis and catalytic processes. His contributions earned him more than 44 U.S. and foreign patents.



Bob was a long-time member of ACS, joining the Society in 1948. He received various awards of distinction and was recently re-elected to councilor of the I&EC Division. According to Dr. William Plank, a professor at Pace University, "Bob was a pillar of the I&EC Division for many decades.... Even as recently as a few weeks ago, he was working on trying to develop I&EC-sponsored short courses for regional meetings, and he had a host of ideas and contacts that he was pursuing. He was part of our institutional memory, and he served us long and well. He will be missed." Midland Section members attending the fall national meeting enjoyed the time they spent with Bob at the meeting.

Bob was also active in the Michigan Catalysis Society and was the recipient of the 2000 Michigan Catalysis Society Parravano Award for Excellence in Catalysis Research and Development.

In lieu of flowers, memorials may be sent to the Christopher Reeve Paralysis Foundation. The Schiller Funeral Home, Harbor Springs, is in charge of the arrangements.

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## Come to Frankenmuth! Board Meeting Location Changed

**T**he November Midland Section Board of Directors meeting will be held on November 8, but not at the usual location. Instead, the Board will meet at the Bavarian Inn in Frankenmuth. Frankenmuth is the site for the 2006 Central Regional Meeting, and this will give everyone a chance to take a look at the planned venue. The meeting will include dinner from 6:00 p.m. to 7:00 p.m. (attendees to be responsible for approximately \$25 cost) with business meeting and site tour to follow. Check the Midland Section web site later in October for details. Board meetings are open to all members, but we will need to know in advance that you are planning to attend this particular meeting. Contact Kurt Brandstadt if you have questions (kf.brandstadt@dowcorning.com, 989-496-5185).

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## In Past Issues of *The Midland Chemist*

*By Wendell L. Dilling, Midland Section Historian*

- **40 Years Ago This Month**—Editor Joe Dunbar noted that ACS president-elect candidate for 1965 William J. Sparks stated that only one chemist in three votes in the ACS national elections. Joe adds that our own Midland Section contributes to these (poor voting) statistics, since roughly one third of the membership returns ballots in each local election. What about the other two thirds? Did they join the Society only to list their ACS memberships on their employment applications?
- **30 Years Ago This Month**—Dr. Douglas West of Central Michigan University will speak at the October Meeting at Saginaw Valley College on “Electron Spin Resonance Studies of Pentacyanoferrates (I).” Dr. West recently spent a sabbatical leave in the laboratories of Professor Martyn C. R. Symons at the University of Leicester.
- **20 Years Ago This Month**—The Fall Scientific Meeting Speakers Banquet will be held at Bintz’s Apple Mountain Lodge on Friday, October 26. There will be a cash bar at 6:30 p.m., with dinner at 7:30 p.m. The after-dinner speaker will be Etcyl Blair.
- **10 Years Ago This Month**—In an article on “Officers and Councilors of the Midland Section 1919–1994,” one of the “75th Anniversary Feature” series: Fifteen persons have served the local section in all officer positions (chair, chair-elect, secretary, and treasurer) These include John Grebe, Ralph Perkins, Don Pletcher, Eldon Graham, Fred McLafferty, David Young, Turner Alfrey, Jr.; John Gilkey, Rodney Moss, Gordon Hartzell, Elmer Wymore, Jack Mills, Chris Goralski, Billy Williams, and Bill Pike.

## Important Dates on the ACS Midland Section Calendar

- October 7 Annie Walker Skills Assessment Workshop (for MMTG members), Dow Corning, 8:00 a.m.–12:00 p.m. (Debbie Bailey, 989-496-6337, d.k.bailey@dowcorning.com)
- October 8 Annie Walker Skills Assessment Workshop (for MMTG members), Dow Chemical, 8:00 a.m.–12:00 p.m. (Debbie Bailey, 989-496-6337, d.k.bailey@dowcorning.com)
- 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 Stickles, 989-496-3273, dstick44@chartermi.net)
- October 25 Deadline for receipt of 2005 election ballots (Maneesh Bahadur, 989-496-8902, maneesh.bahadur@dowcorning.com)
- November 1 Deadline for December issue of *The Midland Chemist*.
- November 8 Midland Section board meeting, Frankenmuth, check web site in late October for more details.
- December 13 Midland Section board meeting, Delta College Midland Center, Rm. 1, 7:00 p.m.

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