

A Packed Issue!



Midland Section brings several awards home from National ACS meeting, see page 8

Other features this month

- Vote for Midland Section Officers
- Fall Scientific Meeting in October

THE MIDLAND CHEMIST

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From the Chair

Section Recognized at National Meeting

The big news of the month is that the Midland Section again was recognized by the National ACS as the Outstanding Local Section in the Medium-Large Size Category. There was a small change, though—we were co-winners this year with the Rochester (NY) section. Although a lot of people contributed to the process, Wendell Dilling did a terrific job and certainly deserves our warmest congratulations.



George Eastland, Chair
ACS Midland Section

In addition, our Project Science Literacy Committee garnered an award for the Activity or Program that Best Addresses the ACS Strategic Thrusts, in spite of the snide comments I made about the name of that award in the last issue of *The Midland Chemist*. That program has been headed by the very able and energetic John Blizzard. Pages 10 and 11 of the last issue of *The Midland Chemist* describe some of the committee's activities. The committee was formed in 1995 to "Bring Science to Life in the Classroom" and has delivered the message to over 1500 Michigan teachers. They have produced a "how to" guide for sections or groups describing how to organize, fund, and present "Bring Science to Life in the Classroom" workshops. Their latest move has been to bring science to life at three Chippewa Schools in Mt. Pleasant.

Finally, in this regard, our Mid-Michigan Technician Group (MMTG) won the Technician Affiliate Group Award for the year 2000 Best Overall TAG. Last year's group was headed by Janet Smith, Dow Corning, and this year's group is headed by Phyllis Anderson, Dow Chemical. Our MMTG group had 37 members at the end of the year 2000. The group was very active, with monthly executive meetings, a dinner at Hereford and Hops and tour of their brewery, lunch seminars, and a symposium at the Fall Scientific Meeting, among other things.

Individually, John Engelman chaired the Nominations & Election and Strategic Planning committees of TECH, and is the 2000 chair-elect to TECH. Connie Murphy is TECH webmaster, TECH councilor, member of the ACS Membership Affairs committee and Chemical Technology Program Approval Service, and a consultant to the ACS Committee on Technician Activities. Tina Leaym is a member of the advisory board to *Chemistry* magazine. Dave Stickle was elected secretary of TECH, with his term beginning in 2002. It is easy to see that our Midland members play an important role in the activities of the national organization.

It is not uncommon for someone to wonder what National ACS is doing with the over one hundred bucks that it collects from each member each year. They do a lot of things, of course, but it might be useful to note that they attempt to return that money to the members in various ways. One way that we have noted is in the form of workshops that are specifically aimed at enabling officers of local sections to do their jobs better. For instance, in the last issue of *The Midland Chemist* there appeared an article (pp. 8 and 9) about the public relations workshop that Kris Danowski and Angelo Cassar, co-chairs of our Public Relations Committee, attended. This was a most comprehensive workshop, funded by ACS (and, therefore, your dues). For a number of years now, the ACS has held workshops for new chair-elect officers of local sections, called Leadership Conferences. Though the people attending those sessions have had to find a way to foot the bill for travel and some other expenses, the ACS pays for everything else. Now, the ACS is holding a follow-up Leadership Conference, and they are paying for travel, lodging (this year at Opryland, in Nashville), meals, and resource materials. The last I knew, Pat Cannady, Midland Section's chair-elect intends to go. These are most valuable conferences and go a long way towards helping section leaders do a better job in conducting the affairs of the local sections. And, ultimately, for most of us, our most direct contact with the activities of the ACS is through the local section activities.

Finally, in this vein, as noted above, Connie Murphy is on the National Membership Affairs Committee. She would be most receptive to comments or suggestions you might have regarding services that the ACS can or should be providing members. Let her know, or convey your thoughts to any of the officers of the section, and we can pass them along to her.



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Welcome to New Midland Section Members!

By Connie Murphy

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

- Yuhao Cai
- Nancy Campbell
- Yang Cheng
- Martin Cifuentes
- Robert D Connors
- Michael Dennis Fink
- Derrick Flick
- Michelle Hampton
- Femi Kotoye
- Paul Larson
- Dale Lecaptain
- Buford Lemon
- Shawn Mealey
- Jack Miller
- Yolanda Puga
- Abhijit Sarkar
- Kathleen Schreck
- Steven Smith
- Ernesto Vera-Castaneda
- John Vincent
- Keith Watson
- Dean Welsh
- Hui Wu
- Dawn Zuengler

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57th Fall Scientific Meeting Features the Topic of Publishing

This year's Fall Scientific Meeting is different! To celebrate the 125th anniversary of the ACS, we have chosen to concentrate our offerings around one of the Society's oldest and most prominent traditions, *publishing*. It's easy as scientists to espouse the noble act of presenting our work for public scrutiny. Yet, when it comes time to act nobly in our daily workplace, we're often faced with questions like "Why should I publish?", "What should I publish?" and (if we make it this far) "How do I actually get this published?" Our goal this year is to help answer some of these questions.

The event will take place on October 13, 2001, from 8:00 a.m. to 2:00 p.m. at The Dow Chemical Company's Employee Development Center on Abbott Road. A detailed program, including maps, will be sent to recipients of *The Midland Chemist* that covers all of the featured events. In this article, we will present the day's schedule and brief summaries.

Time	Event	Location
8:00 a.m.	Registration	Entrance
	Breakfast	AB & DE Hallways
8:30 a.m.	Opening Remarks	Auditorium
8:35 a.m.	ACS Section Awards Presentation	Auditorium
9:00 a.m.	Keynote Address: Prof. Allen J. Bard	Auditorium
10:15 a.m.	Panel Discussion:Publishing Tech. Info.	Auditorium
11:15 a.m.	Lunch	AB & DE Hallways
12:00 p.m.	Information Session I	Room A, B, D, & E
12:30 p.m.	Information Session II	Room A, B, D, & E
1:00 p.m.	Posters Available for Viewing	Rooms C and G
2:00 p.m.	Meeting Concludes	

Awards Presentations

Outstanding Achievement and Promotion of the Chemical Sciences
Outstanding Service to the American Chemical Society
Outstanding Chemical Technician
ACS Salutes To Excellence: Practitioners of Chemistry
ACS 50-Year Members

Keynote Address

Editing the Scientific Journal: Ethics, Peer Review, and the Future

Allen J. Bard, Editor-in-Chief, *Journal of the American Chemical Society*
After a brief sketch of the history of scientific publications, the talk will

address an insider's view of the publication process and discuss some of the technical and ethical problems that can arise in the publication of scientific work. Finally, there will be a look to the future and the impact of electronic publication on the publication process.

Allen J. Bard received his early education in the public schools of New York City and attended The City College of New York (B.Sc., summa cum laude, 1955). He did his graduate work at Harvard University with J. J. Lingane (M.A., 1956; Ph.D., 1958) in electroanalytical chemistry. In 1958 he joined the faculty of The University of Texas at Austin where he currently holds the Norman Hackerman/Welch Regents' Chair in Chemistry. His research interests have been in the application of electrochemical methods to the study of chemical problems and include investigations in electro-organic chemistry, photoelectrochemistry, electrogenerated chemiluminescence, and electroanalytical chemistry. He has published three books (*Electrochemical Methods*, with Larry Faulkner, *Integrated Chemical Systems*, and *Chemical Equilibrium*) and over 600 papers and chapters while editing the series *Electroanalytical Chemistry* (21 volumes) and the *Encyclopedia of the Electrochemistry of the Elements* (16 volumes) and co-editing the monograph, *Standard Potentials in Aqueous Solution*. He is currently editor-in-chief of the *Journal of the American Chemical Society*.

Panel Discussion

Publishing Technical Information

Documenting and publishing research results is a critical part of scientific research, promoting active discussion within the scientific community and encouraging use of technology by others. Although publication has long been considered crucial to a successful academic career, corporations have traditionally been less supportive than academia. This trend is reversing as corporations recognize that external publication contributes to profits as well as prestige. Furthermore, in today's more mobile job market, career opportunities for scientists are greatly enhanced if they have quality publications to their credit.

Unfortunately, many scientists in both academic and corporate positions find the documenting and publishing process strewn with obstacles. This panel discussion brings together experts from academia, global corporations, and technical journals to address some of the most common questions about publishing technical information. Members of the panel offer expertise as editors, published authors, university professors, corporate managers, and legal counsel.

Panel members:

- Allen J. Bard is the editor-in-chief of the *Journal of the American*

Chemical Society and currently holds the Norman Hackerman/Welch Regents' Chair in Chemistry at The University of Texas at Austin.

- William J. Schulz is the manager of the Global Organofunctionals Development Department within the Specialty Chemicals Business at Dow Corning Corporation.
- Roger Gobrogge is chief patent counsel for Dow Corning Corporation.
- Charles T. Kresge is the global R&D director for the Chemical Sciences Capability, Corporate Research & Development, of The Dow Chemical Company.
- Bob A. Howell is a professor of organic chemistry and polymer science at Central Michigan University.

Moderator:

- Ann F. Birch is a free-lance technical writer and editor and co-owner of Editech, a technical communications firm in Midland, MI.

Information Sessions

Each information session will be run twice: once from 12:00 p.m. to 12:30 p.m., and again from 12:30 p.m. to 1:00 p.m.

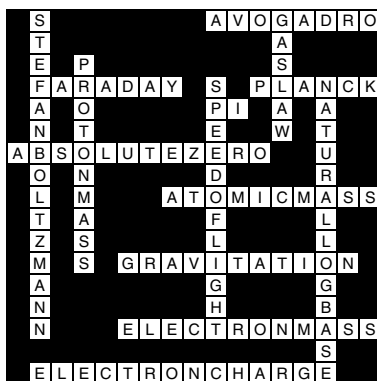
- Room A: How to Use Graphics in Microsoft® Word *and keep your sanity.*
- Room B: Electronic Resources at Your Desktop
- Room D: CAS: New Options for Using the World's Largest Scientific Data Source
- Room E: What Is Text Mining?

Poster Sessions

Thirty-four posters will be on display, covering a wide range of science and research topics. There will also be displays of Midland Section activities and a table with career services information.

Solution to September ChemPuzzler

Hope you had fun with last month's ChemPuzzler, "Everything's Constant." At right is the solution. Sorry there's no room for a new ChemPuzzler this month, but keep watching future issues. Your ideas for ChemPuzzler are always welcome.



New Committee Working to Support Minority Professionals and Students

By Lin Dorman

In 1983, the National ACS Board of Directors and the Council created a Joint Board-Council committee on minority activities whose objective, essentially, was to develop a long-range plan to ensure increased participation of minorities in the chemical profession at all levels. The ACS vision was that it could not ignore the possible consequences to the nation's well-being by failing to address the increasing proportion of minority entrants into the 21st century workplace, given the historic dearth of minority youths in scientific disciplines.

In keeping with this objective, the Midland Section formed a Minority Affairs Committee in 2000 with the following mission statement:

The mission of the Minority Affairs Committee of the Midland Section ACS is to increase the participation in science and technology of underrepresented minorities and others living in Midland, Bay, Saginaw, Gratiot, and Isabella Counties by actively leveraging existing Section, corporate, and collegiate resources.

The initial objective of the committee was to extend the outreach of Section activities to target groups. The Section has many activities with the potential to impact young people positively and heighten their interest in science. But avenues and bridges needed to be formed to ensure access to Section and ACS programs. To this end, links to Section and national minority affairs activities were incorporated into the Section website.

Another approach, patterned after National ACS, has been to work with various advocacy groups. Locally, these groups include NOBCCHE (National Organization of Black Chemists) and the Hispanic Coalition of Saginaw. In time, we would like to encourage or facilitate formation of other groups such as AISES (American Indian Science and Engineering Society).

Our further activities have been to make direct contacts with educators of target groups. These have included Saginaw High School, G.A.P. (Growth Afrocentric Program), and Project S.O.A.R. (Student Outreach and Academic Reinforcement) of Saginaw, Buena Vista High School, Native American Aabizikaawin School, and Coleman Public Schools. Each of these will have special needs—the current challenge for the Minority Affairs Committee (MAC) will be to address these. The MAC needs more members and welcomes anyone who is willing to help us achieve our objectives. If you would like to help, please contact chairperson Lin Dorman at 989-631-0213 (lcdorman@aol.com).

Midland Section Recognized at 222nd National ACS Meeting

By Bob Howell

The 222nd National ACS meeting was held in Chicago, August 17–24, 2001. This meeting, the second in the 125th anniversary year for ACS, represented a milestone. It was the largest ACS meeting ever with 15,290 attendees, 66 technical sessions, and 6089 papers presented. The exhibition was also a record with 328 companies occupying 542 booths and generating \$990,000 in income. In addition to the large number of on-site exhibitors, the virtual trade show, at \$1000 per listing, for those companies unable to get space in the exhibit hall, was also a great success—recording 28,000 hits during the week of the meeting. Overall, for the two meetings in 2001, more people attended ACS meetings in the 125th anniversary year than in any previous year.

As with any national meeting, a highlight was the ChemLuminary Awards presentations on Tuesday evening. The Midland Section was nominated for four awards and received three of them. The most prestigious of these was the

award for Outstanding Performance by a Local Section in the Medium-Large Category. This is certainly an honor for the Section and is reflective of the high quality of programs that the Section maintains. All who were involved during the past year should take pride in this achievement.

Wendell Dilling, immediate past chair, who prepared the 2000 annual report, is due special recognition and is to be commended for his efforts.

For the past several years, the Section has sponsored a truly outstanding science literacy program. This program received the award for an Activity or Program in a Local Section that Best Addresses the ACS Strategic Thrusts. The individuals who initiated and nurture this program (Gretchen Kohl, John Blizzard, Marvin Tegen, and others) have done an outstanding job and are to be congratulated.

The Mid-Michigan Technician Group was recognized as the best in



Accepting the ChemLuminary Awards were (l-r) Wendell Dilling, past-chair Midland Section; Janet Smith, past-chair Mid-Michigan Technician Group; and Chuck Roth, member Project Science Literacy.



Chuck and Barb Roth in front of the Midland Section display.

the land, receiving the 2000 award for the Best Overall Technician Affiliate Group. This is a group of very dedicated individuals that has contributed much to the success of the Section over the past several years.

The Section was also nominated for the Outstanding Kids and Chemistry Award.

Midland Section candidates for election to the Committee on Committees, Gretchen Kohl and Connie Murphy, were not elected but are to be commended for their willingness to stand for election. The Committee on Committees selects candidates for service on all the other committees and, therefore, is an extremely important committee. The Section needs representation on this committee.

The electronic member survey initiated by President Pavlath is now complete and has been analyzed by a task force. Tom Lane, of the Midland Section and Corporation Associates, was a member of the task force. President-elect Eli Pearce will take action based on the results of the survey. (There will be more on this, both in *The Midland Chemist* and *Chemical and Engineering News*.)

The ACS has initiated a program of emergency funding to assist local sections and divisions in need. Distribution of funds will begin this year with \$100,000 going to divisions and \$50,000 to local sections. The Petroleum Research Fund is now fully controlled by ACS. A decision has been reached to use the earnings plus 5% of the principal of the fund to support grant awards each year. This will permit an increase in grant funding from \$18 M to \$27 M annually.

The demand for professionals in the chemical sciences remains strong. The employment clearing house featured 169 employers listing 1392 positions. Eligible candidates numbered 1105, and 4001 interviews were conducted. Thus, on average, each job seeker received four interviews. During the past year the unemployment rate among chemistry professionals dropped from 2.1 to 1.5%. JobSpectrum.org is fully functional and off to a good start. Approximately 2000 résumés and 1000 job opportunities are already listed. Eight of the top ten biotechnology companies and nine of the top ten pharmaceutical companies have opportunities

listed.

Student participation in national meetings has increased significantly in recent years. This meeting was no exception with 100 student poster presentations and two graduate school recruiters breakfasts. (It's a great time to be a student entering graduate school.)

The ACS Scholars program will exceed the 1000th scholar this year—346 have graduated, 123 are in graduate programs, and 104 are in the chemical services workforce; two are associates on the minority affairs committee. The program has received new funding from DuPont, Dow Chemical, Genzyme, and two local sections. The success of Project SEED also continues to grow. This year 293 students at 88 institutions participated in SEED I and 49 students at 33 institutions in SEED II. Thirty-three SEED scholarships have been awarded for 2001–2002. Nine of the awardees will complete SEED II this summer. Twenty-three SEED students presented posters at SciMix on Monday evening. Greater than half (56%) of SEED participants continue in chemistry and chemical engineering and 29% continue in other sciences. Over the years the Midland Section SEED program has been one of its most prominent and effective activities. This is now being mirrored nationwide.

The committee on professional training (CPT) reviewed reports from 70 B.S. programs at this meeting. Currently 22 programs are on probation. One new program was approved, and approval for one program was rescinded, leaving the total number of approved B.S. programs at 619. The CPT certification processes is considered a model for other science disciplines. The American Institute of Physicists may adopt this approval process for undergraduate physics programs. The Chemical Education option on the B.S. degree program in chemistry is being reviewed. Very few students select this option (most students planning to teach chemistry in high school earn degrees in biology and therefore do not complete a chemistry program). The option will be revised or deleted.

A major concern of CPT remains the digital divide between institutions offering chemistry degrees. The major institutions now utilize SciFinder Scholar in the training of students, both graduate and undergraduate. As of July 15 of this year, 400 schools had installed SciFinder Scholar (33 French universities have also installed SciFinder). Most B.S., and some M.S., institutions cannot afford SciFinder Scholar. Since these institutions also cannot afford the printed version of chemical abstracts and several ACS journals, students are not receiving the training in the use of the scientific literature that CPT expects. A new pricing scheme for B.S. institutions may be necessary. However, it is, as yet, unclear how this might be achieved. The committee is on schedule to issue the next edition of the Directory of Graduate Research this fall.

Petitions to clarify requirements for membership and registration categories were approved by Council. The request for urgent action on a petition to increase committee size was withdrawn. The Committee on Committees has decided to examine the whole question of committee structure including the number of members (size), the term of service, the number of members that are councilors versus the number that are noncouncilors, etc. The committee will hold an open meeting in Orlando to receive input and respond to any proposed changes. A petition to effect recommended changes will be put forth for consideration at the fall meeting in Boston in anticipation of a vote at the next meeting.

A new division, the Division of Laboratory Automation, will be given probationary status, effective January, 2002. The Cellulose, Paper, and Textile Division has changed its name to the Cellulose and Renewable Materials Division. The entire backfile of ACS journals will be available online in PDF (Adobe Acrobat) format in 2002. In a recent survey (*C & EN*, August 27), 90% of the membership was satisfied with *C&E News*. The theme for National Chemistry Week, 2001, will be "Celebrating Chemistry and Art." Beginning in 2002, NCW will be the fourth week in October.

In recent years, the ACS has been much more proactive in trying to improve the image of chemistry and to enhance the influence of chemistry (legislative alert network, etc.). This continues with recent advertisements in the *New York Times*, *Science*, and the *Chronicle of Higher Education*, which celebrate the pervasiveness and achievements of chemistry.



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Thanks to Active Section Members!

By Wendell Dilling

On the evening of August 28 at the ACS National Meeting in Chicago, I was privileged to accept, as the representative of the Midland Section, the Outstanding Performance by Local Section Medium-Large Size Category Award for programs and activities in 2000. (Actually it was a tie between the Midland and the Rochester Sections, and each section received one of the awards.)

I would like to thank all Section members who contributed to these programs and activities. You are all to be congratulated for the part you played in helping to provide quality programs for Midland Section members and the public. The award was based on the contents of the Section's annual report, which was submitted to the National ACS last February.

I would also like to thank and congratulate those members who submitted outstanding committee or similar reports, which were included in the Section's annual report. Members submitting these reports were Jack Arrington, Ed Benson, Deb Bergstrom, Ann Birch, John Blizzard, Lin Dorman, Pat Dreyfuss, George Eastland, Eldon Graham, Peggy Hill, Bob Howell, Steve Keinath, Gretchen Kohl, Kermit Kwan, Don Miller, Brian Murdoch, Connie Murphy, John Oleson, Peter Qian, Walt Rupprecht, Janet Smith, Sarah Snow, Phil Squattrito, Dave Stickles, Marv Tegen, and Fred Vance.

No one person can do everything required to win such an award. This was truly a team effort, and I am very proud to be a part of a local section where such effort is put forth. Thanks again and keep up the good work.

	<ul style="list-style-type: none">• Failure Analysis• Competitive Product Analysis• Additive Analysis• Color Body Identification• Taste & Odor Analysis• Consulting Services <p>1910 W. St. Andrews Rd., Midland MI 48640 Phone: 517-832-5555 Fax: 517-832-5560 info@impactanalytical.com www.impactanalytical.com</p>
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Dow Recognized by TECH at ACS National Meeting

By Connie Murphy

At the Fall 2001 National ACS meeting in Chicago, the Division of Chemical Technicians (TECH) of the American Chemical Society presented "Salutes to Excellence" to six employers from across the country who have encouraged the professional development of chemical technicians. These awards, presented at TECH's 10th Anniversary Celebration Dinner, were given to organizations that have consistently offered opportunities for career growth, development, and recognition of their technician employees. Special consideration was given to those employers who have supported participation in ACS activities for technicians, but other programs/initiatives that encourage professional growth were also considered.



Members of the Mid-Michigan Technician Group are very active in TECH. MMTG members shown above are (l-r) Bob Krystosek, Wendy Mallory, Janet Smith, John Engleman, Connie Murphy, and Dave Stickles.

Three employers, The Dow Chemical Company, E.I. DuPont Company, and Eastman Kodak Company, were presented with "Foundation Awards," special Salutes to Excellence for more than 25 years of continuous and substantial contributions to the ACS technician effort—support that has made possible the establishment and promotion of the Committee on Technician Affairs (CTA) and the Division of Chemical Technicians. These companies have also shown great support of their technicians through various programs at the local level, and promoted the professionalism of technicians in the workplace. The specific national support efforts of these companies follow:

Dow

- Grant supporting the National Chemical Technician Award for 5 years
- Originator of ACS technician activities in 1962/1963 (Carleton Roberts)
- Numerous elected and appointed officers and committee chairs in TECH throughout its 10-year history

DuPont

- First technician to be involved in ACS activities
- First technician to chair CTA
- First minority technician to be involved in ACS technician activities
- Direct support of John Kenkel's Chemical Technology curriculum development activities

Kodak

- Sustained leadership throughout TECH's 10-year history (more elected and appointed officers than any other company)
- Financial support to the TECH newsletter

Three other employers were presented with Salutes to Excellence, general awards, for more recent efforts:

- S.C. Johnson and Son, Inc.: For innovation in establishing a mentoring program designed for technicians, sponsorship of scholarships for Chem Tech students, and an internship program for Chem Tech students. SCJ has also supported technician participation in the ACS at the local and national level over the past several years.
- Phillips Petroleum Company: For their technician in-house training program that teaches the soft-skills as well as traditional technical skills, for their support of the Northeast Oklahoma Technician Affiliate Group and its public outreach efforts, and for their encouragement and financial support for technician involvement in the ACS at the local, regional, and national levels.
- Bayer Corporation: For their sustained support for technician involvement in the ACS at the local, regional, and national levels that has allowed technicians to hold leadership positions in their local section and TECH over the past few years.

Among the nearly 100 people who attended this celebration dinner were ACS President Attila Pavlath, ACS President-Elect Eli Pierce, and several ACS Board members. The award presented to Dow was accepted by Richard Gross, Dow's Global Vice-President of R&D. Also at the dinner to share in accepting this honor were twenty-two other Dow employees, including Che-I Kao, Dow's Chief Scientist.

Ballot for Election of 2002 Midland Section ACS Officers

INSTRUCTIONS FOR VOTING

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 envelope. Place the ballot envelope in the return envelope and sign and print your name on the return (outermost) envelope. You **must sign** your name on the **outer envelope** to have your ballot counted. See #4 below.
4. In order to vote, one 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 26, 2001.**

Steven E. Keinath, Chair

Midland Section ACS Nominations & Elections Committee
Michigan Molecular Institute
1910 West St. Andrews Road
Midland, MI 48640-2696

BALLOT

CHAIR-ELECT (vote for one)

Mike Owen

Bill Pike

SECRETARY (vote for one)

Wendy C. Flory

Cynthia N. Peck

TREASURER (vote for one)

Douglas E. Beyer

Barkley Sive

CHAIR, NOMINATIONS & ELECTIONS COMMITTEE (vote for one)

Jennifer Ehlert

Kermit S. Kwan

COUNCILOR (vote for one)

Gretchen Kohl

Marvin Tegen

ALTERNATE COUNCILOR (vote for one)

Angelo Cassar

Steven E. Keinath

BOARD OF DIRECTORS (vote for three)

Ann F. Birch

Estelle Lebeau

Joseph M. Ceraso

Joan Sabourin

Wendell L. Dilling

Philip J. Squattrito

2002 Midland Section Candidates

Take part in the Midland Section—vote for the candidates of your choice! Candidates are listed below by position and then alphabetically. Voting instructions and a ballot are on page 15.

Candidates for Chair-Elect

Mike Owen's Statement

I joined the Midland Section of the American Chemical Society when I was transferred from the UK in 1975. For the first 20 years I was a passive member, satisfied just to belong to my professional society and happy that my employer paid my dues, but essentially disengaged except when it came to co-authoring presentations at local, regional, and national ACS meetings. I was motivated to get more involved by the example of several members of our surface science research group. As I encouraged their participation, I found myself questioning my own inactivity.



Involvement proved to be a real eye-opener. The biggest revelation was the quality and extent of outreach activities in which the Midland Section participates. Project SEED, Chemistry Olympiad, and the Science Literacy projects are admirable ventures. We are very fortunate to have the dedicated individuals who run them so well; I wish there were more of them. If elected I will spend my chair-elect year exploring ways to broaden involvement of the membership in our local section. I have some ideas along these lines but chiefly I will be seeking your input. I would like to see larger committees, broader interaction between all committee and board members, and more opportunities for members to meet together.

Mike Owen's Profile

B.Sc., (1962), Ph.D. (1965) and D.Sc. (1991) University of Bristol UK. 1965-1971, Midland Silicones Ltd., Barry, Wales; 1971-2000, Dow Corning Corp.; retired last year as Scientist Emeritus. 1997 to date, Adjunct Professor, Michigan Molecular Institute. 1999 to date, volunteer Program Officer (Polymers and Solid-State Chemistry) at NSF. Member of the editorial boards of the Journal of Adhesion Science and Silicon Chemistry. 2001 de Bruyne medal from the Society for Adhesion and Adhesives. Member of the Royal Society of Chemistry (Fellow and Chartered Chemist), the Adhesion Society, and the International Association of Colloid and Interface Scientists.

ACS Activities: Joined ACS 1975. Midland Section treasurer 1995-1998. Alternate councilor 1999-2001. Participant and co-organizer of several national and regional ACS symposia, particularly Silicones and Silicone Modified Materials, Dallas 1998 and San Diego, 2001. See you in Anaheim in 2003!

Bill Pike's Statement

I have had the privilege of serving in several capacities in the Midland ACS Section over the past 20 years and greatly appreciate my nomination for Chair-Elect in 2002 and Chair of the Section in 2003. I would like to help continue and to improve upon the excellent programs the Section currently provides, examine the need for other activities, and increase participation in Section activities by its local members. The Section, with its unique membership diversity, needs to develop better means of serving its members, to bring more value to its members. It needs to continue with its promotion of science within the local community and with its sponsorship of educational opportunities for students and teachers, enhancing the positive image of the chemical sciences. It needs to serve as a means for its members to contribute value to their profession and to the communities where they live and work.

If elected, I will lead efforts in these areas for the continued innovative evolution of the Midland ACS Section.

Bill Pike's Profile

B.S. Chemistry, University of Illinois, 1968; Ph.D., Organic Chemistry, Ohio State University, 1976; The Dow Chemical Company, 1976-2000, retired November 2000.

ACS Activities: Joined 1970; Midland Section: Program Committee for Fall Scientific Meeting, 1981; Chairman, Awards Committee, 1985; Secretary, 1987; Treasurer, 1988, Chair-Elect, 1989; Chairman, 1990; Past-Chair, Chairman, Long-Range Planning Committee, 1991; Director, 1992-94.

Candidates for Secretary

Wendy C. Flory

B.S., Chemistry, The Ohio State University, 1993; Ph.D. Analytical Chemistry, Michigan State University, 2000; Postdoctoral Research Fellow, Colorado State University, 2000; B.S. Chemist, State Industries, Cleveland, OH, 1993-1994. Current Position- Chemist on the Research Assignment Program, Dow Chemical Company, 2001.



ACS Activities: Joined 1992; Student Affiliate 1991-1992; ACS Undergraduate Award in Chemistry – The Ohio State University, 1992; ACS-Women in Chemistry Steering Committee Member, Michigan State University, 1997-2000; Presented at several national and regional meetings, 1997-1999; new to the Midland Section ACS.

Cynthia N. Peck

B.A. Chemistry with High Honors, Northern Michigan University, 1976; M.S. Chemistry, Central Michigan University, 1978. Current Position: Associate Professor of Chemistry, Delta College, University Center, Michigan.

ACS Activities: Student Affiliate, 1974-1976, joined 1978, several presentations at Midland Section Fall Scientific Meetings.

Candidates for Treasurer

Douglas E. Beyer

B.S., Chemistry, Michigan State University, 1974; M.S., Organic Chemistry, University of Wisconsin, 1975. Various research appointments, Dow Corning Corporation, The Dow Chemical Company, Swedish Forest Products Research Institute, 1969-1974. Held various research positions within The Dow Chemical Company, 1975-Present. Current Position: Research Associate, Saran Barrier Systems R&D. Volunteer, business and finance advisor, Junior Achievement – Midland, company program, 16 years.

ACS Activities: Joined 2000, currently Midland Section Treasurer, served on various Scientific Meeting committees.

Barkley Sive

Education: Ph.D. in Atmospheric and Analytical Chemistry, University of California, Irvine, 1998. Dissertation: “Atmospheric Nonmethane Hydrocarbons: Analytical Methods and Estimated Hydroxyl Radical Concentrations,” Professor and Nobel Laureate F. Sherwood Rowland, Chair. M.S. in Chemistry, University of California, Irvine, 1995. B.S. in Chemistry, University of California, Irvine, 1993.

Professional: Assistant Professor, Central Michigan University, 6/25/00-present. Postdoctoral Research Associate, LASP, University of Colorado, Boulder, 12/98-4/00. Graduate Student Researcher, University of California, Irvine, 9/93-12/98.

Candidates for Chair, Nominations & Elections Committee

Jennifer Ehlert

B.S., Biology, Western Michigan University, 1992; Ph.D., Environmental Health Sciences, University of Alabama at Birmingham, 1997. Presently

the Safety Coordinator for the College of Science and Technology at Central Michigan University. Career includes 2-year laboratory-graduate appointment at Argonne National Laboratory, an internship with the Dow Chemical Company, and an internship with the Upjohn Company.

Kermit S. Kwan

B.S., Polymer Science and Engineering, University of Southern Mississippi (1992); Ph.D., Materials Engineering and Science, Virginia Tech (1998). Research positions at Schering-Plough Corp. (1990) and Eastman Chemical Co. (1991, 1992); Instructor and black belt in Tang Soo Do (1997-1998); Currently an Associate Specialist in the Designed Materials S & T group, New Ventures Business within Dow Corning Corp. (1998-2001).

ACS Activities: Joined in 1998; Co-chair of Midland Section Public Relations Committee (1999); Chair of Midland Section Public Relations Committee (2000); National ACS Chemluminary Award for Local Section Public Relations (2000).

Candidates for Councilor

Gretchen Kohl

B.S., Chemistry, Grand Valley State University, 1975; presently Senior Quality Specialist, Dow Corning Corporation.

National ACS Activities: Joined 1975; 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; and 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-present; District II Councilor Caucus Secretary, 1997- present; Liaison to Committee on Local Section Activities, 2000-present; Committee Associate on Committee on CAS, 2001- .

Midland Section ACS 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 Affiliate Committee, 1995; Section Councilor, 1996-present; NCW Co-chair, 2000-present, Member of N&E Committee 1999-present.

Marvin Tegen

B.S. UW-Eau Claire, 1980; Ph.D., Inorganic Chemistry, UW-Madison, 1985; Employed by Dow Chemical, 1985-Present.

ACS Activities: Member since 1977, National Chemistry Week, 1987-Present, Co-Chair since 1993-1999; Project Science Literacy Co-Chair since 1994; Central Regional Meeting 1997; Recipient of Science Education Volunteer Award, 1997.

Candidates for Alternate Councilor

Angelo Cassar

B.A., Physics and Mathematics, Wayne State University, B.S., Chemistry, Saginaw Valley State University, M.A., Chemistry, Central Michigan University; Phi Lambda Upsilon Honorary Chemical Society; member of The North American Chapter of the International Chemometrics Society; presently Process Analytical Specialist, Dow Corning Corporation.

ACS Section Activities: Member since 1990; National Historic Chemical Landmark Committee Member for the H.H. Dow Museum Site, 1997; Vision for Education, 1999; Sci-Fest, 1997, 1999; Awards Committee, 1998; Publicity Co-Chair, 2001; Co-Chair of National Chemistry Week Committee, 2001.

Steven E. Keinath

B.S., Chemistry and Physics, Saginaw Valley State College, 1976; M.S., Polymer Science, University of Massachusetts, 1978; M.B.A., General Business, Saginaw Valley State College, 1981; M.A., Education, Central Michigan University, 1985; Ph.D., Chemistry, Michigan Technological University, 1992. Current position: Research Scientist and Associate Professor, Michigan Molecular Institute.

ACS activities: Joined 1977; Co-editor, *Midland Chemist*, 1984-85; Editor, *Midland Chemist*, 1986-87; Printing Chairman, 22nd ACS Central Regional Meeting, 1987-90; Co-chairman, Awards Committee, 1992; Alternate Councilor, 1993-98; 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, and 2000; 22nd ACS Central Regional Meeting, 1990; Authors'/Awards Night, 1991.

Candidates for Board of Directors

Ann F. Birch

B.S., Chemistry, South Dakota School of Mines and Technology, 1973; research chemist with The Dow Chemical Company, 1973-1984; freelance technical writer and editor and co-owner of Editech, a Midland-based technical communications firm, 1984-present.

ACS Activities: Joined 1976; provided layout for ACS Teachers' Affiliate Newsletter, 1992; Midland Section Secretary, 1997-1998; webmaster, 1998-present; database manager, 1998-1999; director, 1998-2001; editor of *The Midland Chemist*, 2000-present.

Joseph M. Ceraso

Current Status: Engineering Plastic's Scientist and global technical leader in the Engineering Plastics Research and Development Laboratory, Dow Chemical Company (copolymer research, blends, new products, new fabrication processes).

Educational Background: B.S., College of Natural Sciences, Boston College, 1969, Chemistry Major. Ph.D., Michigan State University, 1975, Physical Chemistry, Dissertation: "Alkali Metal NMR Studies of Sodium, Rubidium, and Cesium Anions and the Kinetics of Sodium Cryptate Exchange Reactions."

Member of American Chemical Society (ACS) and Society of Plastics Engineers (SPE).

Wendell L. Dilling

B.A., Manchester College, 1958; Ph.D., Purdue University, 1962; Dow Chemical Company, 1962-1992; Central Michigan University, 1992-present.

Midland Section ACS Activities: Joined 1959; Midland Section: Seminar Committee, 1963-1966, Chairman, 1964-1966; Membership Education Committee, 1966-1967; *The Midland Chemist*, Co-editor, 1969-1973; Fall Scientific Meeting, General Chairman, 1978, Program Committee, five years, Chairman, 1977; Councilor, 1976-1996; Nominations and Elections Committee, five years; 14th Central Regional Meeting Committee, General Chairman, 1976-1982; Authors' Night Committee, 1983-1992, Chairman, 1983-1985; National Chemistry Day Committee, 1987; Project SEED Co-preceptor, five years; Project SEED Committee, 1994; Long Range Planning Committee, 1996, 2001, Chairman, 2001; Director, 1997-present; Executive Committee, 1997-present, Chairman, 2000; Personnel Committee, Chairman, 1997-1999, Historian, 1997-present, Membership Growth Committee, 1998; Program Committee, Chairman, 1999; Government Affairs Committee, 1999-2000; Section Chairman, 2000; 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.

Central Region ACS Activities: Steering Committee, 1981-1983, Chairman, 1982-1983.

National ACS Activities: Committee on Publications, 1977-1984, Sub-

committee on New Products and Services, 1979-1984, Chairman, 1984, Chemical and Engineering News, Editorial Board, 1982-1983; Committee on Meetings and Expositions (Associate), 1985-1987; Committee on Economic Status, 1987-1989, Subcommittee on Personnel Policies, Chairman, 1987-1989; Committee on Committees, 1990-1994, Secretary, 1994.

Estelle Lebeau

B.S., Chemistry with Honors, Bates College, 1991; Ph.D., Inorganic Chemistry, University of North Carolina Chapel Hill, 1997. Postdoctoral Research Fellow, The Johns Hopkins University, 1997-1999. Instructor, Inorganic Chemistry, The Johns Hopkins University, 1998-99. Assistant Professor, Inorganic Chemistry, Central Michigan University (1999-present). Member Sigma Xi (1991-present) and Council on Undergraduate Research (1999-present).

ACS Activities: Joined 1992. Midland Section Program Committee, 1999-2000. Midland Section Chemistry Olympiad Committee, 1999-2000. ACS-SA (CMU Chapter) Faculty Advisor 1999-present. 2001 Midland Section Secretary.

Joan Sabourin

B.S., Aquinas College; M.S., Chemistry, Purdue University. Current position: Science Division Chair and Professor of Chemistry, Delta College.

ACS Activities: American Chemical Society (ACS). 1976-present. Chair, Midland Section, 1997; Past Chair, Midland Section, 1998. Member, Board of Directors, Midland Section, 1988-1996, 1999-2001; Executive Board, 1989; Member, Project Science Literacy/National Chemistry Week Committee, 1995-present. Sci-Fest Building Coordinator, 1995-2000; Sci-Fest co-chair, 2001. Symposium Organizer and Moderator: 55th ACS Fall Scientific Meeting- Midland Section, 1999; member of Division of Chemical Education and of Chemical Technicians. Presentations at several ACS national, state, and local meetings.

Philip J. Squattrito

Sc.B., Chemistry, Brown University, 1982; M.S., Chemistry, Northwestern University, 1983; Ph.D., Inorganic Chemistry, Northwestern, 1987; Postdoctoral Associate, Texas A&M University, 1986-1989; Faculty member, Department of Chemistry, Central Michigan University, 1989-present; Visiting Associate Professor, University of Tokyo, 1996. Current position: Professor of Chemistry, CMU.

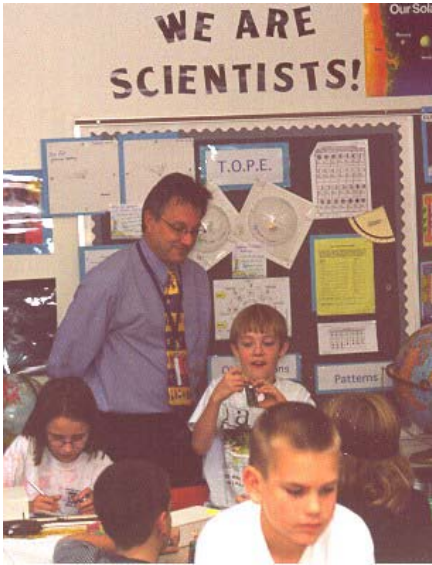
ACS Activities: Joined, 1983. Midland Section: member, Awards Committee, 1992; program co-chair, Fall Scientific Meeting, 1994; Project SEED preceptor, 1993-94, 1997-98; general chair, Fall Scientific Meeting, 1997; booklet editor, Fall Scientific Meeting, 1999; member, Board of Directors, 1999-present; chair, Awards Committee, 2000-present.

What Can One Over-Committed Person Do?

By Tom Lane

Finding or maintaining a healthy work-life balance is a constant challenge for most of us. Trying to sort out the demands and obligations of our professional-life from the needs for a satisfying and productive home-life is not an insignificant effort. This constant state of disequilibrium is further complicated when we introduce “needs” that clearly do not fit into one of the two boxes, home or work. For example, what about professional society participation—is involvement in the Midland Section of the ACS a professional (job) or a personal obligation? Many of us know that our employers would suggest that we classify involvement in any professional organization as a personal responsibility. However, I can attest that my family views activity involving any derivative of the word “chemistry” as a work-related event. How can any of us give back to our profession, serve our professional societies, or support significant causes, like science literacy, without feeling guilty? How do we find the proper balance in our lives and still accomplish the goals that might not fit in our two-box model? I am not sure, but let me describe how I struck harmony in my life as it relates to the very important topic of science literacy.

Like most of you, I am a busy professional with a working spouse and



Principal John Blahunka watches as students at Carpenter Elementary School work on a science project.

Photo: Angelo Cassar

children. When my youngest son began kindergarten a few years ago, the principal asked that I serve on a school improvement committee. Specifically, he asked that I serve on the Science School Improvement Committee. As it happened, the school had some room for improvement in their science test scores. For example the 5th grade science MEAP (Michigan Educational Assessment Program) scores at Carpenter Street School indicated that only 27% of the students had reached proficiency in science. This can be compared to the Midland Public School System composite score of 60.2% and a State score of 36.8%. I now had the opportunity to help, but how was I going to find the time? Then, I remembered all of the activities the Mid-

land Section had around this issue of science literacy. Surely, they would help get me started.

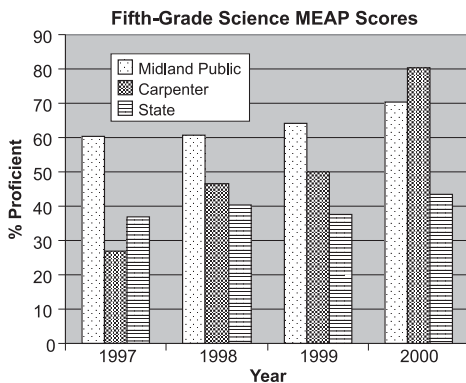
I began working with the skilled teaching staff assigned to this committee in 1997. I began by listening. I had no solutions and I offered no prepackaged programs or advice. I simply listened. The more we chatted, the more ideas we exchanged. I soon realized that this group of educators had the solution! This exceedingly bright group was enthusiastic and full of ideas. I simply represented an outside voice—a catalyst that helped them to realize their own potential. The Carpenter Street School educators took the ideas and ran with them to develop a minds-on and hand-on approach to science.

Their success is illustrated in the graph below. The data are clear and unequivocal, Carpenter Street School test scores rose from 27% proficiency in 1997 to a science proficiency of 80.5% in 2000! A fifth-grade science proficiency higher than Midland Academy (63.2%) or Handley School for the Gifted and Talented (78.8%) in Saginaw. I am proud to have been a catalyst for this incredible group of talented professionals. My role was very small, but important in the overall success of the program.

In partial recognition of their accomplishments, five Carpenter teachers have already received the Midland Section's Elementary Science Teacher Award. In addition, Dr. Attila E. Pavlath, then president-elect of the American Chemical Society, visited Carpenter Street School when he heard of their success. Dr. Pavlath was

extremely impressed with their results and even made note of the Midland Public Schools in his presidential address in *C&EN*, January 2001. Not only will my son benefit from this success, but other schools in the district are learning of Carpenter's success and have asked for assistance as they develop plans for improvement.

The moral of this story is: you don't have to invest huge amounts of time or disrupt your work-life equilibrium to make a difference. You can find a common and comfortable ground. I helped my son's school and met some of my professional obligations to the ACS. Your role will depend upon where you are in your life. If you can commit to leadership roles in your professional societies, please take the opportunity; you will not regret it. If your life balance does not allow that level of commitment,



consider the roll of catalyst. The rewards are many and the results are clear. Be involved! volunteer!

For those of you interested in getting more involved in science literacy contact Mike Ferritto (989-496-3244) or any of the Section leadership (<http://membership.acs.org/m/midl/Leaders.htm>). If you would like more information on the science programs at Carpenter Street School, contact Principal John Blahunka, 989-923-6411.

Announcing...

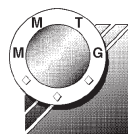
Sci-Fest 2001 Celebrating Chemistry and Art

Saturday, November 3, 2001

10:30 a.m.–2:30 p.m.

Delta College Pioneer Gym

Sponsored by the Midland Section ACS and the
Mid-Michigan Technician Group



Sci-Fest is an event that everyone looks forward to. The theme of this year's Sci-Fest is "Celebrating Chemistry and Art." There will be special science demonstrations for kids of all ages and information on local science programs. Some of the exhibitions planned include:

- Microscopic crystals
- Chemistry and music
- Minerals and jewelry
- Molecular modeling
- Holograms
- Tie-dying
- Preserving art
- Colors of nature
- CAD machining
- Indian art
- Glassblowing
- Clowns
- Saginaw Zoo
- Photography



We invite you and your family to come for a fun and interesting day! For more information, contact Dave Stickles, 989-496-5626, d.stickles@dowcorning.com.

Important Dates on the ACS Midland Section Calendar

- October 1 Midland Section board meeting, Delta College, Midland Center, room 12, 7:00 p.m.
- October 13 Fall Scientific Meeting, Dow Chemical Employee Development Center, 8:00 a.m.-2:00 p.m.
- October 15 Dr. David Wiemer, ACS Tour Speaker, "A Search for Natural Insecticides," Central Michigan University, Dow 175, 4:00 p.m., reception preceding in Dow 264 (Anton Jensen, 989-774-3125)
- October 26 **Ballots for 2002 Midland Section election must be in!** (Steve Keinath, 989-832-5555 x 588, skeinath@mimi.org)
- November 3 Sci-Fest 2001, Delta College Pioneer Gym, 10:30 a.m.-2:30 p.m. (Dave Stickles, 989-496-5626, d.stickles@dowcorning.com)
- November 5 Deadline for December issue of *The Midland Chemist*
- November 5 Midland Section board meeting, Delta College, Midland Center, room 12, 7:00 p.m.

All meetings are open to all ACS members and the public.

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