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Steiner (left), Eastland (lower left), and Roof (lower right) Garner Top Awards for Midland Section, see page 7

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In This Issue...

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

Chair Column

The Last Word from George…

George Eastland, Chair
ACS Midland Section

Wow...can it be true??? My last chance to pol-

lute the otherwise pure columns of *The Midland Chemist*...at least in an official capacity?

First, I want to offer my sincerest thanks for the Outstanding Service to the American Chemical Society award. I was completely surprised!!! I am very, very proud of the award, especially when I look at the list of people who have received it over the last 12 years (I am the thirteenth awardee). I really don't feel like I match up to that list of names, but thanks, anyway.

Next, I want to offer my congratulations to those who won board positions in this year's election. The problem is that as I am writing this, I don't know who they are! The results will be announced at the November board meeting, and Ann wants this in today, so I am still in the dark. But, as I mentioned in a previous column, we had an absolutely outstanding slate, so whatever the outcome, it will be good. Thanks to all of you who ran for election. To those of you who didn't win, Pat will have your names. I hope that your willingness to run for office will carry over if and when he or one of the committee chairs contacts you for some help. The fine group of elected officers and committee chairs can only function well with your help.

And speaking of committee chairs, I want to extend my thanks to all of those who have indicated that they will continue on for next year. I know that, a year ago, my biggest worry was having good people in those positions. I got very lucky in that respect, and it seems that Pat will, too.

One area in which our Section has been really outstanding is in the area of Public Education and Student Programs. We have been known for a long time now as one of the leaders...

Got an interesting booklet from the ACS, entitled "Local Section Activities, 2000. A Statistical Review." We are in the Medium Large Section group, which includes sections with from 800 to 1599 members. With 844 members, we are on the smaller side of that division. There are 31 sections in our division, the largest of which is Columbus, with 1504, and the smallest is Central Texas, with 801. The largest section of all is New Jersey, with 7405 members,

while the smallest is the Texas Coastal Bend Section with 62.

In our division, the Section's total assets range from Cleveland's whopping $392,464 to Central Arizona's $308. We are second, with $110,141. From 1991, we have won the Outstanding Performance award seven times. The next closest in our category is St. Louis, with four wins. They are now in the Large Section category. There's a lot more info in there, but those are some of the items that struck me.

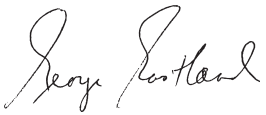
Finally, I would be really remiss if I didn't thank all of you who have been such a big help this year. The problem with naming people is that, of course, I run the danger of leaving out someone who really deserves to be named. So, with that caveat, here goes. Thanks to Ann Birch. Her work on *The Midland Chemist* has been absolutely outstanding. If that wasn't enough, she re-upped as webmaster when we needed her. She's definitely one of our unsung heroes. Don Miller has done a great job, not just *on* the Careers and Professional Relations Committee, but *as* the Careers and Professional Relations Committee. He could sure stand some help this next year. Phil Squattrito has chaired one of the more demanding committees that we have, the Awards Committee, and has made it run wonderfully these last couple of years. Fred Vance—another *great* Fall Scientific Meeting. You are going to be a tough act to follow. Connie Murphy has again headed our Membership Growth and Retention Committee. She has many obligations, between work at Dow and her work at the national ACS level, but seems to find time for us anyway. Angelo Cassar stepped in to head a most important committee—the Publicity-Public Relations Committee, and I'm sure that committee will be better than ever next year. Thanks to Walt Rupprecht and Eldon Graham for their steady guidance of our Government Affairs and Technical Society Affairs groups, respectively. Thanks to Phyllis Anderson, for her representation of MMTG. That seems to be an active and well-run organization.

One area in which our Section has been really outstanding is in the area of Public Education and Student Programs. We have been known for a long time now as one of the leaders in the Project SEED process. Margaret Hill has been just terrific in heading that project. It takes a lot to mount the effort to find the students and mentors and make the arrangements for funding. Lin Dorman has taken over...really, started...the Minority Affairs committee and it appears to be flourishing. I'll bet that it will be even better next year. John Blizzard has been one of the real driving forces for our Project Science Literacy. That program is, as nearly as I know it, a truly unique program, and has garnered all sorts of very favorable attention. In a related vein, Marvin Tegen continues to guide Science Promotions. We seem to interest more high school students each year in

the Chemistry Olympiad, headed by Ed Benson. Thanks to Dave Swenson for taking over the County Fair Booth responsibilities. That helped a lot.

Finally, thanks to Wendell Dilling for his long-term interest in the affairs of the Section. He certainly is one of the true stalwarts of this Section. Gretchen Kohl is another of those. She has served, with great competence and energy, in all sorts of capacities. From heading National Chemistry Week to hosting one of the ACS presidential candidates, Gretchen is always there when needed. Our Sci-Fest, a huge event in this area, owes its continued success to the tireless efforts of Dave Stickles and Joan Sabourin. Thanks, too, to Bobby Howell. He has served us very well as councilor and has been, for many years now, a very solid member of the board.

I don't have any numbers to back this up (I bet that Wendell would), but I had a distinct impression that our board meetings were better attended than usual this year. I do recall that, some years ago, we would struggle to achieve a quorum, and sometimes not make it. Not so this year. I suspect that the turnout this year was to help prop me up. Thanks for all of your help.



Fall Scientific Meeting Features Publishing

By Kristine Danowski, photos by Angelo Cassar

The 57th Annual Fall Scientific Meeting was held on October 13, 2001, at The Dow Chemical Company Employee Development Center (EDC). The theme was "Publishing," one of science's oldest traditions. The meeting combined state-of-the-art information on the publishing process, techniques to help chemists with their writing and literature searching, and a spirited poster session featuring a wide variety of technical work. Fred Vance of The Dow Chemical Company served as the FSM chair for the second consecutive year. According to attendees, Fred did a terrific job with the meeting.

Attendance was comparable to that of recent years, but the distribution of attendees was different. Forty-two percent of those attending were from The Dow Chemical Company, 32% were from colleges or universities, 10% were retirees, 7% were from Dow Corning, and 9% from other organizations. Also attending were eight high school students and nine Carpenter Elementary students. Kudos to all our K–12 attendees and their teachers!

After Section awards were presented, Dr. Allen J. Bard delivered the keynote address. Following that, a panel discussion examined technical publishing issues in greater detail (see related articles). Four workshops provided an introduction to data mining by Mani Shabrang of Dow Chemical's Business Intelligence Center; using electronic resources, including online journals and reference books, by Nancy Cundiff of Dow Chemical's Business Intelligence Center; using Chemical Abstracts Service by Steve Morris of CAS; and using graphics in Microsoft® Word by Ann Birch of Editech, editor of *The Midland Chemist.* All sessions were very well attended and well received. Finally, the poster session featured subjects from photography to polymer chemistry to Alzheimer's disease and environmental chemistry.

Poster sessions brought in a large number of interested visitors.

The MC solicited anonymous comments from various attendees. Here is what they said about the Fall Scientific Meeting. Any errors are those of this reporter and not the attendees.

"The meeting was very interesting. Bard is an excellent speaker," said a group of graduate students from Central Michigan University. "The content was very informative. But it was too short. You need more programming." The students remarked that attending the meeting is a good way to meet people, especially for first-timers like themselves.

"Very interesting. I am impressed with the attendance," said a Dow Chemical attendee. "The information is very useful for both industrial and academic chemists." The Fall Scientific Meeting was this attendee's first Midland ACS event. "My other section had smaller meetings," she remarked.

"This meeting is valuable for three reasons," offered a professor from Saginaw Valley State University. "First, it is designed to be a traditional research meeting for scientists at the local level. Second, it provides a good review of practical techniques for up-and-coming scientists. Third, blending the traditional meeting format with the workshops make it a blanket event to appeal to scientists at all levels." This attendee added that, as a professor, he found the programming valuable from an educational perspective. "The posters, the talks, and the workshops represent a breadth of educational methods." He did, however, request better driving directions to the next meeting. He also suggested changing the location every year "to get a different perspective of all the schools and companies in the area."

"The information is very useful," said an attendee from Michigan Molecular Institute. "But the room for the posters should have been bigger." Several other attendees echoed these comments.

"The most important part of science is to communicate data," said a graduate student from Saginaw Valley State University. "We can keep current and see what others are doing." The meeting quality was comparable to that of recent years, this student said, but "I learned a lot and that makes it fun. And the food was very good."

"I liked the topic. It is a focus to help scientists at something they might not be good at," said another attendee from Dow Chemical. "We're used to exchanging technical information at meetings, but information on resources and writing is

Mike Ferrito discusses the Project Science Literacy display with visitors.

another aspect of our job."

The poster session provided an opportunity for chemists to discuss each other's work. "I liked the mixture of presentation formats," a biologist from Saginaw Valley State University told *The Midland Chemist.* He and his collaborators submitted a poster because "our research lends itself to a poster format. Plus I have an artistic bent."

"Our poster presents work intentionally in the public domain to help our customers," said an attendee from Dow Chemical. "We had no conflict between proprietary information and publication. We collaborated with academic chemists to conduct fundamental research with practical uses. We are trying to promote industrial and academic interactions to support our customers. It also promotes credibility. So it's mutually beneficial."

"Every time you attend an event you gain something," he continued. Comments from other attendees indicated that this certainly was true this year.

The organizers of the Fall Scientific Meeting extend special thanks to Charles Kresge of The Dow Chemical Company for sponsoring Dr. Bard's transportation, Rick Gross of The Dow Chemical Company for donating the use of the EDC, David Karpovich of Saginaw Valley State University for managing the poster abstracts, Pete Dreyfuss for handling registration, Dave Mitchell and Ryan Max of Dow Chemical for designing the website, and Ann Birch of Editech for arranging and moderating the panel discussion.

New Publications at Careers Website

Curious about the nontechnical skills that many employers increasingly are asking for in today's chemical workplace? Need some tips about writing a curriculum vitae?

You can download new publications on each of these subjects as well as gain access to an entire library of career-development publications and other resources at the ACS Department of Career Services website, www.chemistry.org/careers.

Interested in sizing up an employment situation you may be considering? While at the above website, you may wish to use the salary comparator, which allows members to evaluate their salaries with other members in their employment situation.

This new tool also allows members to examine any employment situation within the scope of the ACS surveys, including starting salaries of new graduates. The comparator is available only to ACS members. For further information, email: careers@acs.org or (voice) 1-800-227-5558.

Midland Section Presents Fall Awards

By Philip J. Squattrito

The Midland Section presented three awards for outstanding performance at the 57th Fall Scientific Meeting, October 13, 2001, at The Dow Chemical Company Employee Development Center in Midland. The award for Outstanding Achievement and Promotion of the Chemical Sciences went to Dr. Edwin C. Steiner, retiree of The Dow Chemical Company. Dr. Steiner holds a B.A. degree from Hanover College and M.S. and Ph.D. degrees in organic chemistry from the University of Illinois. Following completion of his graduate studies in 1954, Dr. Steiner worked at the Army Chemical Center for two years before joining Dow in 1956. He spent his career at Dow in the E.C. Britton Research Laboratory and the Computations Research Laboratory before retiring in 1986. He was subsequently president of his own company for approximately 10 years. During his scientific career, Dr. Steiner carried out fundamental studies on alkylene oxide chemistry, acidity functions, and acidity of alcohols and weak organic acids. Most of this work was published in the *Journal of the American Chemical Society* between 1963 and 1974, some in collaboration with Professor Frederick Bordwell of Northwestern University. Later in his career, Dr. Steiner also performed research on ion-pairing and complexation behavior of salts. He was sought out by other researchers because of his ability to analyze problems and particularly his application of mathematical and computer-assisted analyses to chemical problems.

Dr. Edwin Steiner, recipient of the 2001 award for Outstanding Achievement and Promotion of the Chemical Sciences, is widely recognized for his application of mathematical and computer-assisted analyses to chemical problems.
Photo: Angelo Cassar

The award for Outstanding Service to the Midland Section was presented to Dr. George W. Eastland, Jr., of Saginaw Valley State University. Dr. Eastland received a B.S. degree from Wittenberg University and a Ph.D. degree in inorganic chemistry from South Dakota State University. He joined the faculty at SVSU in 1969 and is currently Professor of Chemistry and Chairperson of the Department of Chemistry. Dr. Eastland has a long and distinguished record of service to the Midland Section of ACS. He is currently in his second tour of duty as chair of the Section (1987, 2001), has been a member of the board of directors since 1978, and has

served on numerous Section committees, including Nominations and Elections, Fall Scientific Meeting (including general chairperson in 1998), Central Regional Meeting, Authors' Night, National Chemistry Week, and Chemistry Olympiad. He also served as the host for the Midland Section Chemistry Explorer Post at SVSU several times.

Dr. George Eastland, Jr., recipient of the 2001 award for Outstanding Service to the Midland Section, has been an active member of the Midland Section for more than 30 years, serving in numerous committees and positions, including twice as Section chair.

Gordon Roof, recipient of the 2001 award for Outstanding Chemical Technician, brings a broad range of technical competencies and strong leadership skills to his work with Chemical Sciences at Dow Chemical.

Photo: Angelo Cassar

The award for the Outstanding Chemical Technician was given to Gordon R. Roof of The Dow Chemical Company. Mr. Roof joined Dow in 1989 as a chemical technician in the Applied Polymeric Systems Laboratory (later named the Materials group) where he worked for the first eight years of his career. After that, he moved to the Catalysis group (now called Chemical Sciences) where he has worked for the last four years. Mr. Roof is a coauthor of nine patents and four publications, two in *Organometallics* and two in *JACS*. His excellent technical skills have been applied to a wide range of projects. Specifically, he has conducted organic and organometallic-based syntheses, studied polymeric light emitting diodes, facilitated the development of Dow's polyolefin physical characterization laboratory, and designed high-pressure/high-temperature batch and continuous reactor systems. In the words of his nominator, Mr. Roof exemplifies the qualities that make an outstanding technician: a professional attitude, intelligence coupled with a strong work ethic, a broad range of technical competencies, and strong leadership skills.

Midland Section Highlights 50-Year Members

By Kristine Danowski

At the 2001 Fall Scientific Meeting, the Midland Section presented the following individuals with awards recognizing their 50-year membership in ACS. *The Midland Chemist* extends its congratulations to these and all the 50-year ACS members.

Photo: Angelo Cassar

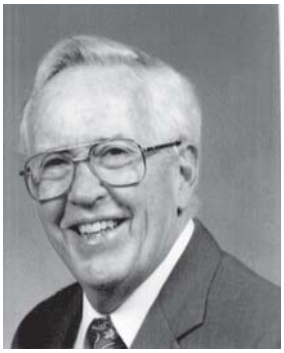
Robert W. Belfit, Jr., earned A.B. and A.M. degrees from Dartmouth College in 1949 and 1951, respectively. He earned a Ph.D. in 1957 from Pennsylvania State University. He then worked for The Dow Chemical Company for 29 years and attained the position of research director. For the past 15 years, Belfit has been the president, chairperson, CEO, and technical consultant for Omni Tech International, a company he cofounded. His Omni Tech responsibilities include writing and publishing on management, quality, and technology issues facing entrepreneurs. Currently semiretired, Belfit lives in Midland with his wife Margaret.

Fred Hoerger earned a B.S. degree in 1951 from Heidelberg College in Tiffin, Ohio. He earned his M.S. and Ph.D. degrees from Purdue University in 1953 and 1955. He began his 37-year industrial career at The Dow Chemical Company in 1954 as a chemist, and in 1960 he became a laboratory director. In 1968, Hoerger moved from a technical to a managerial position in product registration. Continuing on the managerial track, in 1974 he became director of regulatory and legislative issues until 1984. In 1991 he retired from Dow as a regulatory and policy consultant. Currently Hoerger lives in Midland with his wife Helen. His retirement activities include traveling, woodworking, playing bridge, and spending time with his and Helen's five children and 14 grandchildren.

Prior to his college education, **Donald L. Miller** served in the United States Navy as a pharmacy mate third class from 1944 to 1948. He then earned an A.S. degree in 1948 from Flint Community College in Flint, Michigan. In 1950 he earned a B.S. from Wayne State University, and in

Photo: Angelo Cassar

1974 he earned an M.S. from Central Michigan University. Miller's industrial career spanned three different companies. For four years, he was employed as a quality control chemist at Irwin Heisler, a pharmaceutical company. For the next 31 years, he was employed at The Dow Chemical Company as a polymer and analytical chemist. After becoming a senior analytical chemist at Dow, he became a project leader in air quality analysis for two years. Miller then moved to Dow Corning for five years where he continued his work in air quality. Now retired, he lives in Midland with his wife Betty. They have four children, nine grandchildren, and two great-grandchildren. Miller continues to be very active in the city of Midland. For Midland Section ACS he volunteers for Kids and Chemistry, ACS Programs Committee, and the Career Services Committee. He also has a booth at the Science Fair. His other civic activities include volunteering for the Midland Center for the Arts, the Hall of Ideas, and the Recycling Center, as well as serving as a board member at the Morningside Condominium Association.



Richard E. Skochdopole earned a B.S. degree at the University of Nebraska, Lincoln, in 1949 and a Ph.D. at Iowa State University, Ames, in 1954. His entire 34-year industrial career occurred at The Dow Chemical Company. In 1955 he began as an associate scientist in plastic foams research, becoming research manager for foam products in 1968. Skochdopole moved to chemical products research as an associate scientist in 1976. He moved again, this time to engineering polymer blends, where he was an associate development scientist from 1983 to 1989. Now retired, Skochdopole lives in Midland with his wife Nancy. His major interests include his family (he and Nancy have four children and seven grandchildren), travel, tennis, golf, and fishing. Skochdopole also volunteers for Midland ACS Science Literacy and several church and community service groups.

Midland Section ACS Salutes Excellence!

Article and photos by Angelo Cassar

The *Salutes to Excellence* program provides ACS members an opportunity to recognize the positive impact on everyday life made by *products* of chemistry, *practitioners* of chemistry, or *places of importance* in chemistry. Karol Childs organized the Salutes for the Midland Section. The *Places of Chemistry* Salutes were celebrated on April 25, at the annual Spring Award Banquet (*MC*, Vol. 38, No. 4, pp. 7–8). The *Products of Chemistry* Salutes were celebrated on August 17, at the Professional Family Fun Day at the Midland County Fair (*MC*, Vol. 38, No. 6, pp. 20–21.). This article will discuss the Salutes to Excellence for the *Practitioners of Chemistry* held at the 57th ACS Fall Scientific Meeting, October 13, 2001. The chair of the Midland Section, George Eastland, and a Midland Section councilor, Gretchen Kohl, facilitated the presenting of the Salutes.

The Midland Section is proud to be located in the mid-Michigan area where there have always been great practitioners of chemistry! That pride was expressed with the 17 Salutes to Excellence Awards for practitioners of chemistry given on October 13 at the Fall Scientific Meeting. Congratulations to all the awardees. We salute you!

Salutes to Practitioners of Chemistry from the Past

- The Corning Glass Team for their initial research for Dow Corning Corporation products. Members of that team included Frank Hyde, Bill Daudt, Ken Johannson, Mary Purcell Roche, Larry Laudenslayer, Joe Domicone, and Bob Fleming. Tom Lane accepted the award.
- The Mellon Institute Team for their initial research for Dow Corning Corporation products. Members of that team included Rob Roy McGregor, John Speier, Earl Warrick, Ruth Zimmerman, Helena Corsello, John Goodwin, Joe Francis, Silas Braley, and Charles Kohl. Charles Kohl accepted the Salutes to Excellence Award. This presentation was unique in that Charlie's daughter, Gretchen, presented the award to him. Charlie started working for Dow Corning in 1945, and Gretchen currently works at Dow Corning. Together, Charlie and Gretchen Kohl span 56 of the 58 years of the company's existence!

- Hamish Small for his work on ion chromatography, and as co-inventor of a precision flow meter for use in analytical chemistry. Ted Miller accepted the award.

- L.C. "Bud" Rubens recognized as the "Father of Polymeric Foams." Bud pioneered the study of organic blowing agents and developed the scientific principles of blowing agent permeation and viscoelastic properties of polymers in the foaming process.
- E.N. "Ned" Brandt for his commitment to the development of the Post Street Archives and as the historian of The Dow Chemical Company.

Salutes to Practitioners of Chemistry of the Present

- Duane Priddy for his contributions as a well-known expert in free-radical polymerization of styrene and a pioneer of controlled radical polymerization.

- Don Tomalia for the invention of dendrimers, with potential for global application. Janet Tomalia accepted the award.
- Tom Lane for his contributions as one of Dow Corning Corporation's highest-ranking scientists.
- Gretchen Kohl for her commitment to public science literacy through the Midland Section public science education programs.
- Mehmet Demirors, who has been instru-

mental in developing new processes in the styrenics area at The Dow Chemical Company.
- Gary Strandburg, a Dow Chemical Company chemist in the Chemical Sciences Department, who has developed new products for the consumer market.

Salutes to Excellence for the Practitioners of Chemistry of the Future

- Michigan Molecular Institute, whose scientists and educators prepare practitioners of chemistry who will affect the chemical industry of the future. Steve Keinath accepted the award.

- Alma College, Chemistry Department, whose teachers prepare students who will affect the chemical industry of the future. Scott Hill accepted the award.
- Central Michigan University, Chemistry Department, whose teachers prepare students who will affect the chemical industry of the future. Phillip Squattrito accepted the award.

- Delta College, Chemistry Department, whose teachers prepare students who will affect the chemical industry of the future. David Baker accepted the award.
- Saginaw Valley State University, Chemistry Department, whose teachers prepare students who will affect the chemical industry of the future. David Karpovich accepted the award.
- Carpenter Elementary from the Midland Public Schools, whose teachers and students have raised the school's fifth-grade MEAP science test scores from 27% proficiency to an over 80% proficiency in 2000. Principal John

Blahunka accepted the award. Principal Blahunka is shown at the left in the back row. Beside him are teachers Vicki Richards, Sue Birch, and Cathy Egerer and ACS member Tom Lane. Students from Carpenter Elementary School attending the awards ceremony are (l-r): Robby Greene, Kelly Finn, Briana Beaulieu, Emily Najmy, George Bork, and Sam Lane.

Salute to Excellence to the Practitioners of Chemistry Past, Present and Future

- Ted Doan, whose leadership, philanthropy, and inspiration have embraced an understanding of the past, a plan for the present, and a vision of the future. Ned Brandt accepted the award

New ACS Directory of Graduate Research Released

The updated ACS *Directory of Graduate Research* provides information on faculty and research at programs in chemistry, chemical engineering, biochemistry, medicinal/pharmaceutical chemistry, clinical chemistry, polymer chemistry, food science, forensic science, marine science, toxicology, materials science, and environmental science in the U.S. and Canada. It lists faculty bios, area of specialization, titles of papers published within the last two years, telephone numbers, and fax numbers. It also contains listings for 696 academic programs, 10,618 faculty members, and 112,236 publication citations. Published in odd-numbered years by the ACS Committee on Professional Training, the 2001 edition contains faculty information for the 2001–2002 academic year. For order information, call the ACS Office of Society Services at 800-227-5558.

Also available is *DGRweb 2001,* an easy-to-use, searchable database that contains all the information found in the *ACS Directory of Graduate Research (DGR). DGRweb 2001* is a great resource to quickly find who is doing what type of research in chemistry and chemically related disciplines. For more information or to order this product, please go to the *DGRweb 2001* home page at http://chemistry.org/education/DGRweb.

Dr. Allen Bard Discusses Scientific Publishing

By Kristine Danowski

Keynote Speaker Dr. Allen J. Bard delivered a fascinating address covering ethical questions, history, stages, and future of scientific publishing. As the editor-in-chief of the *Journal of the American Chemical Society* (*JACS*) and a renowned and widely published chemist, Bard provided Fall Scientific Meeting attendees with a comprehensive view of scientific publishing. Moreover, he impressed the audience with his honesty about the benefits of publishing for authors and ACS.

Dr. Allen Bard of the University of Texas at Austin, and editor-in-chief of JACS*, gave the keynote address.*
Photo: Angelo Cassar

Ethics in Scientific Publishing. According to Bard, ethics in scientific publishing does not involve morality or legality. Rather, ethics pertains to the code of behavior governing an individual or group. Ethical dilemmas arise continually in scientific publishing, he said, and throughout his talk, Bard provided ethical problems that editors, reviewers, and authors face. Serious scientific fraud such as plagiarism and data falsification is rare, he added, but the general public thinks it is not.

History. Initially, scientists communicated their findings to other scientists via private letters or published books. The first known scientific publication occurred in 1611 when the Lycean Academy published Galileo's sunspot findings. Founded in 1603, the Lycean Academy was the world's first scientific society. Then the Royal Society of London was founded in 1645 and began publishing its *Philosophical Transactions* in 1685. From these beginnings, scientific journals today number at least one million. Dr. Bard remarked that journals today are too numerous and too specialized. He asserted that ACS has the best group of journals.

Process of Scientific Publishing. Dr. Bard interwove the stages of publishing with the reasons authors publish. Curiosity, practical applications of their work, and career advancement are the most common reasons both industrial and academic scientists do research and publish their results. Other motivations include what Dr. Bard called "frontier research" (research on the cutting edge of their fields), theory of model testing (testing other researchers' theories), jumping on the bandwagon (especially in genomics), data collection for reference works, and refutation of other researchers' data. "Deans can't read but they can count," Dr. Bard remarked

frankly. In many cases, journals are for authors, not readers.

In a clever series of slides, Dr. Bard outlined the publishing process. For every manuscript submitted, the primary author has these ethical and practical responsibilities:

- Establish that all authors are represented
- Ensure that any hazardous materials and processes carry the proper precautions
- Properly reference prior work in the field
- Indicate if a simultaneous submission is being made
- Ensure that the work is not proprietary

For every manuscript received, an editor asks three questions: Is the work new? Is it true? Is it interesting? If the answer to each of these questions is yes, then the manuscript has a chance to be published. If not, the work can be rejected.

An editor selects reviewers based on reputation and works cited in the manuscript. An editor must not be biased in any way, although a current trend is to favor younger vs. older established professionals. Reviewers' ethical and practical responsibilities include maintaining authors' confidentiality, avoiding conflicts of interest, avoiding use of information contained in the manuscript in their own work, respecting the authors' intellectual integrity, and fairly handling competing manuscripts. Reviewers should also be prompt. If they cannot effectively evaluate a manuscript within two to three weeks, they should inform the editor so s/he can choose other reviewers. Dr. Bard remarked that getting reviewers is difficult, but the ones he has for *JACS* are outstanding. During the question-and-answer session, he remarked that journals should have "frequent reviewer programs" similar to frequent flier programs. Reviewers should receive something in return for their contributions. Answering another question, Dr. Bard thinks that having the government police the peer-review system would be wasteful, since peer review continues to sustain scientific progress. He mentioned the cold-fusion fiasco as another reason the peer-review system works well. If authors talk to the press before their work is published in a peer-reviewed journal, the greatest danger is to their own careers, not to scientific publishing.

Dr. Bard said that the editor alone decides to publish a manuscript. There is no voting or committee decision; he acknowledged that some subjectivity is involved in the final decision. He also gave the following information about *JACS.* Manuscripts submitted to *JACS* can take as little as 2.5 months to as long as 7.5 months to be published. *JACS* receives approximately 4500 manuscripts per year. Of these, 10–15% are accepted immediately, 10–15% are rejected immediately, and the remaining 70% are good and publishable but *JACS* cannot accept them all. Dr. Bard said

deciding which of these to accept and which to reject is difficult. In all cases, he said, what determines acceptance is basic science. Formatting and language problems can be corrected and usually do not hinder publication if the science is good. However, he added, reviewers can become frustrated with authors' inadequate English language skills and require more time to evaluate a manuscript.

Papers are evolving to be shorter, Bard told the audience. At present the main points are included in the published paper while supplementary information is included in an electronic data bank. This trend allows editors to publish more articles while still providing experimental details to interested readers.

Bard also discussed the costs of scientific publishing. Eighty-five percent of a journal's cost is not paper and printing. Thus these costs would be the same for electronic and printed journals. Maintaining electronic archives is expensive, he added, perhaps even more expensive than printed archives. The advantages of electronic journals are the ease, not cost, of maintenance, and their convenience for readers. Electronic journals can also make scientific literature freely available. He predicted that in three to five years most printed journals will be obsolete because of their electronic counterparts. He acknowledged that ACS derives a substantial portion of its income from its journals.

Bard concluded that the scientific publishing process is complicated and inefficient, that serious ethical problems are rare, that the system must tolerate error and encourage risky experimentation, and that the peer review system does a good job of maintaining scientific integrity. However, he reminded the audience that we must continue to expose honest mistakes, bad science, and outright fraud.

This writer had the pleasure of dining with Dr. Bard prior to the Fall Scientific Meeting. He was just as witty and erudite informally as he was during his keynote address. The Fall Scientific Meeting was quite fortunate indeed that he was our keynote speaker.

Publishing Technical Information: A Panel Discussion

By Kristine Danowski, photos by Angelo Cassar

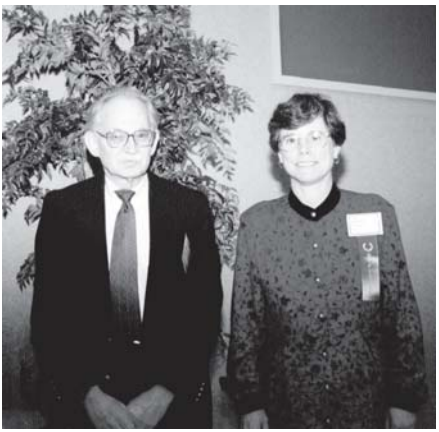
Editor Ann Birch of *The Midland Chemist* moderated a lively panel discussion during which panelists used their experiences as authors, editors, and reviewers to answer questions on scientific publishing. The panelists were:

- Allen Bard, editor-in-chief of the *Journal of the American Chemical Society*. Bard currently holds the Norman Hackerman/Welch Regents' Chair in Chemistry at The University of Texas at Austin.
- William J. Schulz, manager of the Global Organofunctionals Development Department at Dow Corning
- Roger Gobrogge, chief patent counsel for Dow Corning
- Charles Kresge, global R&D director for the Chemical Sciences Capability at The Dow Chemical Company
- Bob Howell, professor of organic chemistry and polymer science at Central Michigan University

The panel frequently elaborated on points Dr. Bard made in his keynote address (see related article). The questions and answers are summarized below.

Why is it important for industrial professionals to publish? By publishing in peer-reviewed journals, individuals can establish their reputation, and companies (especially smaller ones) can establish their presence in a research field. For example, DuPont enhanced its status when its scientists published and gave presentations at meetings. However, publishing after patenting is preferable. Publishing in the open literature also provides customers and the general public with product information. More-

Panelists included (l-r) Allen Bard, Roger Gobrogge, Charles Kresge, Bob Howell, and William Schulz.



Panel moderator was Ann Birch (shown here with keynote speaker Allen Bard).

over, other scientists can use the information to advance the field. In addition, there are personal rewards to publishing, but industrial scientists need to make the time and not automatically expect employer support. If individual scientists feel strongly enough about their work, they will publish it. In industry, finding enough time to adequately "finish" a project for publication is difficult. The panel concluded that industrial scientists need a strategy for how a publication fits in with their employer's research and common interests. Industrial scientists need to consider how a publication will be used before they write the paper. And patents are *not* papers.

Who determines the suitability of research for publication? It is the scientist's responsibility to know their employer's publication policy. Employers should keep their rules regarding publication simple. Scientists should also consider what's in it for them, their readership, and their employer. This will determine how to approach an employer regarding publication. Talking to senior technical staff or others who have published before is also useful. Industrial scientists must also allow enough time for their employer to give clearance.

Authors often struggle with the writing process. What is the biggest hurdle to a paper's acceptance? Dr. Bard discussed this question in his address. All papers need data first. The author should present the data so that readers will be interested. Authors should give the data a context, which is a brief introduction to the field and how their data fit in.

How should authors use literature reviews? Authors should not get too comfortable with one tool, like SciFinder, or focus exclusively on patents or open literature. Instead authors should check active players and recent developments in the field. References must be current. The panel cautioned against over-referencing; authors should cite key references only, otherwise they are wasting space. And authors should *read* the references they include!

What legal issues are involved in publishing? For companies, authors can sign away copyrights accidentally or without authority. Authors need to determine their rights when writing papers; they should review their contracts before they write their paper. For example, authors own the in-

tellectual property, but work-for-hire intellectual property automatically becomes their employer's property. Sometimes third-party intellectual property is disclosed accidentally. Again, authors need to review agreements and ownership with any third parties before writing the paper. If all parties agree the work should be published, then they should agree on the best arrangement among themselves and with the journal. For example, journals need the copyright to publish the paper. The panel again emphasized having an overall strategy for publishing. Once a paper is in print, it is considered prior art and may impact subsequent patent applications. Prior art is written, not oral, and the publication date is considered the date of prior art. Depending on the patent claims, even a published abstract for a meeting might be considered a disclosure, because once a work is in print it is considered prior art. The panel emphasized the need for legal guidance from the beginning if a patent might be involved. Responding to an audience question, the panel remarked that although there is no precedent yet, Internet publication will likely be considered a first publication date.

What is the state of peer review? Dr. Bard discussed this question in his address, but the panel's experience varied widely. According to the panel, a pecking order of scientific journals exists. The advantage of peer review is its usefulness to the scientific community. Peer review would not have evolved if it did not serve a purpose. There is no other adequate replacement to protect the scientific community and the general public from fraud. Peer review also keeps both authors and reviews on the forefront of their fields, and good reviews help authors write better papers. Once again, the panel emphasized that patents are legal documents, not scientific documents. Inventors can obtain a patent when their ideas are not demonstrable. Inventors need to predict the best method for the patent, not provide data that show the method works.

How can authors balance common commercial interests with scientific objectivity? Does corporate sponsorship compromise credibility? Authors need a strategy before writing the paper. They need to keep their employer in the review loop. Authors need to acknowledge corporate support, and the peer-review process ensures honesty. Industrial sponsors want genuine answers. The scientific community accepts the credibility of corporate sponsorship as long as authors disclose it. However, courts have challenged it.

Why is publishing negative results not done? (Audience question) The panel replied that this is for historical reasons and to save journal space. Papers today do not reflect how the actual work was performed.

Midland Section Elects Officers for 2002

By Steve Keinath

The 2001 Nominations & Elections Committee is pleased to announce the following Midland Section ACS 2002 officers:

Chair-Elect		
	Mike Owen	Retired
Secretary		
	Cynthia N. Peck	Delta College
Treasurer		
	Douglas E. Beyer	The Dow Chemical Company
Chair, Nominations & Elections Committee		
	Kermit S. Kwan	Dow Corning Corporation
Alternate Councilor (2-year, vacancy fill-in term)		
	Steven E. Keinath	Michigan Molecular Institute
Board of Directors (3-year terms)		
	Ann F. Birch	Editech
	Wendell L. Dilling	Retired
	Joan Sabourin	Delta College

The N&E Committee received 127 valid ballots. We would like to thank all the Midland Section ACS members who voted. We would particularly like to thank all of the candidates who agreed to run for positions. The commitment and enthusiasm displayed by all of the candidates led to another successful Midland Section ACS election.

—2001 Nominations & Elections Committee: Steve Keinath (Chair), Pat Cannady, Wendell Dilling, Bob Howell, and Gretchen Kohl

Board of Directors Meeting Schedule for 2002

By Pat Cannady

Jan. 14	Midland, Delta College Midland Center, Room 12
Feb. 4	Midland, Delta College Midland Center, Room 12
Mar. 4	Midland, Delta College Midland Center, Room 12
Apr. 8	Midland, Delta College Midland Center, Room 12
May 6	Delta College
Jun. 3	CMU
Aug. 5	SVSU
Sep. 9	Midland, Delta College Midland Center, Room 12
Oct. 7	Midland, Delta College Midland Center, Room 12
Nov. 4	Midland, Delta College Midland Center, Room 12
Dec. 2	Midland, Delta College Midland Center, Room 12

Report on ACS Member Electronic Poll, 2001

By Tom Lane

Special Note: *This article is made up of selected extracts from the final Task Force Report—August 2001. Dr. Pavlath, president ACS, will post a full copy of the report on the ACS website. Copies of the full data sets can be requested directly from Dr. Pavlath.*

Introduction

The scientific discipline traditionally known as chemistry is rapidly changing. The implications of these changes on the American Chemical Society, its members, and the collective enterprise are massive. Our discipline of chemistry as a science is becoming more interdisciplinary in a climate of reduced funding for the physical sciences. Many have suggested that within the traditional industrial base, that focus has shifted from research to bulk commodity materials. The future practitioners of chemistry will require new tools and expertise to successfully navigate this emerging and complex landscape as they strive to build lives, enjoy careers, and contribute to the core base of science.

The future success of the Society relies upon its ability to serve the current and projected demands of a changing membership. The Society must anticipate and act in this dynamic environment. Failure to respond to the membership will limit the long-term success of the ACS.

The intent of this Membership Poll was to focus on today's members with the purpose of identifying what they valued about membership, to determine the unanticipated or unstated needs of the day, and to assess potential requirements for the future. The findings are intended to aid ACS governance in making the best and most informed strategic choices for resource allocation in this ever more diverse climate.

The poll was not designed to address or determine members' opinions on the broader issues facing the enterprise; however, open-ended response questions allowed for free identification of important critical issues. A more in-depth poll to obtain specific insights, recommendations, and expectations from members on the broader questions surrounding the changing face of chemistry could well be valuable to support governance development of the next generation of ACS strategic plans.

Poll Information and Statistics

On April 16, 2001, ACS launched an electronic Internet-based poll to determine member requirements and satisfaction. Allowed to run for three weeks to allow sufficient response time, the poll was:

- Sent to the approximately 90,000 members for whom the ACS database

contains e-mail addresses
- Managed by the ACS Customer and Administrative Services unit
- Conducted on the behalf of ACS by Greenfield Online, a well-respected electronic survey company

With approximately 9000+ bounce backs (sent back as undeliverable), the 8009 respondents constitute a demographic statistically equivalent to the overall ACS membership, and the 10% response rate is a robust sample that is very respectable for membership polls. Taken together, this allows projection of the poll data analysis, results, and recommendations to be projected to ACS overall.

Results

While half the members are satisfied with their membership and a large majority would recommend membership to others, the pivotal reason is the perceived "givens" of ACS publications. Members are most interested in topics that impact them directly. Topping the list are careers as chemical professionals, public science literacy, the perception of the role and value of chemistry in society, including environmental issues, and research funding. However, despite the high importance assigned these topics, most members are only marginally involved with the Society and there is a low perceived value and knowledge of many current programs that are intended to address these topics, especially among the growing demographic cohorts of chemists—younger chemists, women, and industrial members. In general, members are less interested in what is perceived to be the "behind the scenes" of ACS, such as dues calculation or membership retention, and they assume publications, CAS, and meetings as "givens" or the basic reasons for membership.

Therefore, there is a substantial unmet need on the topics ranked of greatest importance: careers, image and professionalism of chemistry, science literacy, and funding for science. Written responses also give additional insight into member satisfaction and suggest the need to rid barriers to participation, including an "elitist" and "in group" image of governance and staff groups. Satisfaction with membership also relates to how ACS is perceived as an organization. While the Society is rated more highly on attributes including professional, knowledgeable, well organized, and reliable, the low scores on issues of personal direct impact to each and every member, helpful, member service oriented, responsive, and reasonably priced, are troubling.

Recommendations to Address these Issues

- Focus on the strategic issues deemed of greatest importance: careers, image and professionalism, science literacy, and funding and minimize

emphasis on topics of limited interest to members, as a whole
- Communicate the linkage among current programs, important issues from the poll, and the progress made (ongoing evaluation and measurable results) in these programs to address the issues
- Increase satisfaction by improving both the perceptions around issues including "elitist," "in groups," helpfulness, membership orientation, and programming topics and interest especially at the local section and divisional levels

Most Important Issues

In general, members are most interested in things that affect them directly. They are not interested in what is perceived to be the "behind the scenes" or bureaucratic workings of ACS such as dues calculation or membership retention.

Members across all cohorts strongly support core themes and issues of the Society that have been traditional areas of emphasis. These are topics that directly impact both the research and careers of chemical professionals and the perception of the role and value of chemistry. However, despite this support, the low involvement of members coupled with a low perceived value and knowledge of many current programs—especially among younger chemists—demonstrates the need for improvement in current programs outside of publications.

The most important issues across all members and demographic cohorts are:
- Science literacy of students and a quality education in the chemical sciences (with statistically higher importance to the female and academic cohorts)
- Funding for the chemical sciences (with statistically higher importance to the female, younger chemists, and government, and academic cohorts)
- Career development services and programs (with statistically higher importance to the female, industrial, younger, and BS/MS chemists).
- Technical information access with a focus on publications NOT meetings (with statistically higher importance to the academic cohort)
- Improving the recognition of and professionalism in chemistry (with statistically higher importance to the older, academic, and Ph.D. cohorts)

Least Important Issues

The themes and issues of especially low to no importance to members where expenditure of resources and dollars could be perceived as irrelevant across all cohorts are:

- A different method for calculating dues (especially low importance to the industrial cohort)
- Member insurance programs (especially low importance to the academic and middle-age cohorts)
- A credentialing process for chemists (especially low importance to the Ph.D. and older cohorts)

Over the past several years, these themes have received attention and focus, including initiatives and programs by ACS staff and governance. However, these are not areas of perceived value to members.

Key Recommendations and Follow-Ups

The changing face of chemistry is an opportunity for ACS to gain even more members, as well as to increase the level of member involvement and loyalty if we address the challenges, build on the strengths, and do not avoid or ignore the changes that need to take place in order to open up the Society to a younger and more diverse group.

The challenge and opportunity facing ACS into the future is how to address the changing needs of this ever more diverse group of chemical professionals. Fortunately, the data show that although different cohorts place greater or lesser emphasis on certain programs and initiatives, there is substantially a consensus on the most important and least important issues to members, their level of satisfaction with the Society, and what they need to be truly engaged going forward.

The following recommended actions are based on the analysis of the data, summary of the anecdotal responses and Task Force member input, and are focused on not maintaining the status quo, but embracing the opportunities to further build the Society based on member need. In general, to be successful in improving the involvement and satisfaction of members, it is recommended that three key issues be addressed:

- Focus, Focus, Focus
- Communicate, Communicate, Communicate
- Satisfaction, Satisfaction, Satisfaction.

Acknowledgments

With sincere thanks to the Task Force, for diligently and objectively analyzing and collating the data, developing valuable and data-based conclusions and recommendations and having the courage to listen to the data, not be prejudiced by the past, and wanting the best for chemistry, chemists, and the ACS.

—Task Force: J. Giordan, Chair; M. Cavanaugh; D.R. Cobb; N. Gilham; N. Heindel; G. Heinze; T. Lane, Z. Morales-Martinez; D. Wohlers; P. Ayre, Staff Liaison

News and Election Results from MMTG

By Phyllis Anderson

In August, the Mid-Michigan Technician Group (MMTG) again co-sponsored a booth with the Midland Section ACS. This year's theme was "Plastics and Polymers". The event took place on two evenings from 6:00 p.m. to 8:00 p.m. A glassblower entertained the audience while we were setting up the demonstrations. This year's demonstrations included: Pufa-Top Hat, Green Slime, Silly Putty, Swelling Diaper, Invincible Balloon, Synthesis of Nylon, Marshmallow Inflation Polaroid light and Glow Worms. We gave away Coozies with MMTG/ACS logos and glow-in-the-dark necklaces.

I am very proud to announce that MMTG received the best overall TAG at the ChemLuminary Awards for 2000 at this year's National ACS meeting in Chicago. This is a very prestigious award and we are very honored to receive it. This year the MMTG provided a stipend to one of our members to attend the Fall ACS meeting. Cathy Curtis, business editor for ConnecTECH, was the lucky individual this year and she greatly enjoyed the experience. In addition to Cathy, five people from our local attended and participated in the meeting. At the national meeting, Connie Murphy of The Dow Chemical Company presented a workshop entitled "Essentials of Writing Trip Reports for American Chemical Society Meetings." Connie serves as a consultant on the ACS Committee on Technician Af-

fairs and is the Recruitment and Retention Subcommittee Chair for the ACS Membership Affairs Committee. Janet Smith of Dow Corning Corporation presented a paper entitled "Project Science Literacy: The tale of a big idea, a few dreamers, and a growing program." Dave Stickles, Robert Krystosek, and Wendy Mallory (Alternate Councilor and TAG Liaison) also attended the meeting.

The MMTG held a membership drive in October. The membership drive was targeted to attract students attending two local colleges, one of which (Delta College) has a curriculum for chemical technicians. The event was held at Tucson Jack's and featured karaoke for entertainment. Present members gave a kick-off presentation on the benefits of belonging to a TAG, presented attendees with our MMTG brochure, and distributed our lapel pins. An assortment of appetizers was served. Everyone who attended had a fun evening and MMTG got six new members as a result.

We recently held our annual elections. This year we switched to voting electronically. We had a whopping 80% return with no glitches reported. Congratulations to the following winners!

Chair-elect	Amy Betz
Secretary	Sarah Kushon
Treasurer	Nate Malowinski
Board of Directors	Pamela Slavings
	Janet Smith
Delegates	Dave Stickles
	Wendy Mallory

Local Student Affiliates Receive Awards

By Ann Birch

The ACS Committee on Education and the ACS Education & International Activities Division have announced the winners of ACS student affiliate chapter awards for activities conducted during the 2000–01 academic years. The Committee on Education selects chapters to receive special recognition on the basis of their programs and activities as described in their annual reports.

- The Central Michigan University student affiliate chapter received a Commendable award. CMU chapter presidents were Misty Bennett and Dennis Wickline; faculty advisor was Estelle Lebeau.
- Saginaw Valley State University received an Honorable Mention award. SVSU chapter president was Ken Stawowy; faculty advisors were Deborah Huntley and David Karpovich.

Midland Section Celebrates Section Awards

By Wendell Dilling

From left to right (with chair year) are Donald R. Petersen (1973), William C. Pike (1990), M. Peter Dreyfuss (1991), Vicky S. Cobb (1992), Gretchen S. Kohl (1993), Debora F. Bergstrom (1999), and Wendell L. Dilling (2000). Kohl and Bergstrom are also holding the award for 1994, the year Robert E. Kohrman was Section chair. Kohrman was unavailable for the picture. Photo: Angelo Cassar

The Midland Section has received eight Outstanding Local Section Awards from the National ACS over the past 28 years. Pictured here at a gathering at the recent Fall Scientific Meeting are seven individuals who served as Section chairs during the years for which the awards they are holding were received.

The Midland Chemist Publishing Dates, 2002

By Ann Birch

Issue	Copy Deadline	Issue Delivery
February, Vol. 39, No. 1	Jan. 7	Jan. 31
March, Vol. 39, No. 2	Feb. 4	Feb. 28
April, Vol. 39, No. 3	March 4	March 31
June, Vol. 39, No. 4	May 6	May 31
August, Vol. 39, No. 5	July 1	July 31
September, Vol. 39, No. 6	Aug. 6	Aug. 30
October, Vol. 39, No. 7	Sept. 2	Sept. 30
December, Vol. 39, No. 8	Nov. 4	Nov. 30

Call for Papers from *ScienceWeek*

By Kristine Danowski

ScienceWeek (http://www.scienceweek.com)has announced a call for papers for an online symposium: Science and the Developing World: Past, Present, and Future.

1. Closing date for submission of papers: December 15/01.
2. All papers to be published on the SW website January 2002
3. Online access to the symposium will be completely free.
4. Papers: Maximum length - 2500 words. Language: English
5. Both new and previously published papers are acceptable.

Send papers via e-mail to:

Dan Agin, Ph.D.
ScienceWeek
dpa@scienceweek.com

Please note: All material must be sent by e-mail as plain ASCII text. Please convert any word-processing formats to plain text. We will format your paper for the SW website. Hypertext inclusions of images and graphics on other sites are acceptable. PDF files are not acceptable. Printed or typewritten papers are not acceptable.

The following online symposia are also in preparation:

- Perspectives on Brain, Mind, and Behavior (closes 15 Jan)
- Perspectives on the Origin of Life (closes 15 Jan)
- Revolutions in Physics: Past, Present, and Future (closes 15 Feb)
- Biotechnology and Chemistry in Future Agriculture (closes 15 Feb)
- Medical Therapies in a Diverse World (closes 15 Mar)

For additional information contact:
Claire Haller
Managing Editor
SCIENCEWEEK
haller@scienceweek.com
http://www.scienceweek.com

Midland Section Members—A Call to Action

By Pat Cannady

As the current year wends its way to a close, many of us are still adjusting to the tragic events of September 11 and the ongoing effort by the nations of the world to root out and eliminate terrorism. The response of Americans and our friends across the globe has been truly amazing in its reach and scope. We can see in the increase in enlistments in our own armed forces and in the official support given from foreign governments a strong resolve to come together to accomplish a worthy goal. Many hands in this activity are making for lighter work.

While the large scope of our attention may be focused on these world-changing events and, closer to home, the successful conclusion of another business year or academic semester, please allow me a few moments to direct your attention to another need. Your Midland Section has been quite active in bringing an awareness of science, including chemistry, to the communities we live in, through many outreach programs, such as Kids in Chemistry, Sci-Fest, and the Midland County Fair activities, just to name a very few. In addition, the Section has been bringing science literacy to the classroom teachers who influence our young citizens each and every school day. The Section has brought once again an excellent Fall Scientific Meeting, where many of you participated in discussions and poster sessions. Each of these events involved many people. A much smaller number of people were committed to making these events happen. You will probably not be surprised to learn that each of these committed people actually had many, many other things to occupy their time this past year. Next year the Midland Section plans to bring all these activities and more for the benefit of the communities we live in and directly to our members, that is, you. What your Midland Section needs is this—more committed people to bring fresh energy to the activities of the Section.

Many of you are feeling fully committed now to your families; your careers; your churches, synagogues, or mosques; your community organizations…. In fact, many of us are feeling over-full. I'd like each of you to think about the most recent commitment you took on. How did you fit it into your schedule? You did it, somehow. I'd like to challenge you to stretch further. Many of you may be new in the area, new in your profession, or looking for a change. If you are feeling "well, all these well-oiled machines otherwise known as active Midland Section people don't need some newcomer without any experience to help in keeping these programs going," please, think again! Look at me! Up until last year, I had done very little in our Midland Section, and most of that long ago. Now

I'm the chair-elect! And next year I'll be needing the help of all the Midland Section members who can help out—even if it is just for a few hours at one of our many events.

This is my call to action to Midland Section members and friends—to all within the sound of my voice, within the reach of my words—come and join in, there's plenty to do. Please let me hear from you.

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ACS Seeking Nominees for Diversity Award

The Women Chemists Committee of the American Chemical Society is pleased to call for nominations for the WCC Regional Award for Contributions to Diversity. This program commemorates the 75th Anniversary of the Women Chemists Committee (1927–2002).

Purpose: To recognize individuals who have significantly stimulated or fostered diversity in the chemical enterprises.

Nature: The award consists of $250, a plaque, and up to $750 for travel expenses to the regional ACS meeting at which the award will be presented.

Establishment and Support: The ACS Women Chemists Committee

Rules of Eligibility: Nominees for the award may come from any professional setting: academia, industry, government, or other independent facility. The award is intended to recognize significant accomplishments by an individual. The award will be given without regard to the age, gender, or nationality of the recipient.

To Nominate: Write a one-page letter describing the accomplishment and include biographical and contact information of the nominee. One seconding letter will be accepted. Send nominations to:

Women Chemists Committee
American Chemical Society
1155 16th Street NW
Washington, DC 20036

For information regarding the award, contact Cheryl Brown, 800-227-5558, ext. 6123, or e-mail: wcc@acs.org. The deadline for receipt of nominations is February 1, 2002.

2002 ACS ProSpectives Conferences

Process Chemistry in the Pharmaceutical Industry
Kumar Gadamasetti, Consultant; *Mike Martinelli*, Eli Lilly; *Prof. Istvan Marko*, Université Catholique de Louvain, Belgium
Melia Hotel, Barcelona, Spain, February 24–27, 2002

Catalysis in Modern Organic Synthesis (title pending)
Steve Buchwald, MIT; *Gregory Fu*, MIT; *Eric Jacobsen*, Harvard
Cambridge Marriott, Boston, MA, September 8–11, 2002
Catalytic methodologies for organic synthesis, with a focus on technologies with applications in pharmaceutical science.

Combinatorial Chemistry (title pending)
Andrew Combs, Bristol-Myers Squibb*; Jack Hodges*, Pfizer
Lansdowne Conference Center, Leesburg, VA, September 22–25, 2002
Developing new synthetic methodologies for library synthesis, examining the latest advances in purification and analysis, and briefly reviewing emerging technologies in combinatorial chemistry.

Drug Delivery (title pending)
Robert Langer, MIT; *Nicholas Peppas*, Purdue; *Patrick Couvreur*, Université Paris-Sud
Boston Park Plaza Hotel, Boston, MA, October 13–16, 2002
Biological and chemical fundamentals of drug delivery that determine present and future technological opportunities. Special emphasis on gene delivery, cell delivery and growth, molecular design of improved biomacromolecular carriers, micro-imprinting, and bioanotechnology.

Proteomics (title pending)
John Yates III, Scripps Research Institute; *Joshua LaBaer*, Harvard Medical School
Boston Park Plaza Hotel, Cambridge, MA, November 10–13, 2002
Using proteomics technologies to understand protein interactions, dynamics, and regulation.

To receive additional information on any of the above conferences, please send an e-mail to acsprospectives@acs.org, or go to our website: www.acsprospectives.org or call 202.872.6286.

WCC Celebrates 75th Anniversary in 2002

The theme of the Women Chemists Committee (WCC) Diamond Jubilee planned for the 2002 ACS national and regional meetings in honor of the committee's 75th anniversary is "Diversity in the 21st Century—Advancing Women in Science."

The celebration will be highlighted in a Presidential Plenary event and multiple symposia at the ACS Spring National Meeting in Orlando. The plenary event will feature high-profile speakers such as Marye Ann Fox, Chancellor, North Carolina State University; Stephen A. Di Biase, Vice President of PuriNOx™ and Emulsified Products, Lubrizol Corp.; and, Fran Keeth, CEO and President, Shell Chemical. Other symposia planned are: Women in Inorganic Chemistry; Collaborations: Networking; Collaborations: Professional Organizations; Early Careers of Chemists; Eli Lilly/ WCC Travel Awards: Past and Present; Women Scientists of the Manhattan Project Era; In Memoriam: Nina Roscher—Teacher, Historian, Mentor & Role Model; Chemically Incorrect: Hitting the Glass Ceiling; and Mentoring: A Strategic Tool for Professional Development.

The Women in Industry Breakfast will consist of roundtable discussions on the topic of "Rules of the Game," followed by speakers who will address this subject at the Industry Pavilion. The Women Chemists Luncheon will feature Marion Thurnauer, Director of Chemistry, Argonne National Lab, and recipient of the 2002 Garvan-Olin Medal, as their keynote speaker.

To bring the 75th anniversary celebration to the regional level, and in keeping with the Presidential theme of diversity, the WCC has created a regional award to recognize individuals who significantly foster diversity in the chemical enterprises. The award will be given without regard to age, gender, or nationality of the recipient at each ACS regional meeting in 2002.

Please join in with the celebration of the WCC's 75th anniversary! Each local section is invited to participate by incorporating the committee's theme "Diversity in the 21st Century—Advancing Women in Science" into their meetings and special events during 2002. For further information and updates, please visit the WCC web site at http://membership.acs.org/W/WCC.

Important Dates on the ACS Midland Section Calendar

December 3	Midland Section board meeting, Delta College, Midland Center, room 12, 7:00 p.m.
January 7	Deadline for February issue of *The Midland Chemist*
January 14	Midland Section board meeting, Delta College, Midland Center, room 12, 7:00 p.m.
February 4	Deadline for March issue of *The Midland Chemist*
February 4	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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