

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

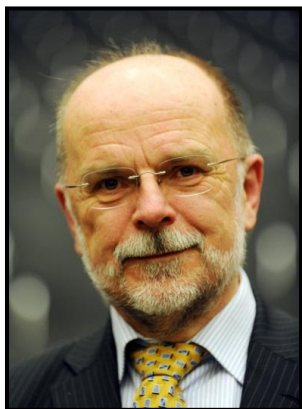
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MMI Announces 2014 TAVP Program and Visit Dates

Steve Keinath, Director and TAVP Program Coordinator



The Michigan Molecular Institute (MMI) is pleased to announce that Professor Axel H. E. Mueller from Johannes Gutenberg University, Mainz, Germany will be the 2014 Turner Alfrey Visiting Professor (TAVP). The full details for the 2014 TAVP course, *Complex Polymer and Hybrid Architectures* (pre-registration required no later than one week in advance, June 2nd), and for the joint technical society dinner meeting, *A Zoo and Garden of Nanoparticles: Tales of Worms, Caterpillars, Bamboo, and Clover* (RSVP deadline one week in advance, June 11th), is available at <http://www.mmi.org/about-us/turner-alfrey-visiting-professorship/>.

Professor Mueller's former (University of Bayreuth) website (<http://www.chemie.uni-bayreuth.de/mcii/?lang=en>) will also give you a more thorough view of the breadth and depth of his current R&D activities and interests.

Professor Mueller will be in residence at MMI from Monday, June 9, through Wednesday, June 18. The first week (June 9–13) will be the week in which he will give a series of five afternoon course lectures (3:00–6:00 PM, each day), plus make quick visits to a couple of the TAVP program sponsors, and participate in an opening reception at MMI, and a joint technical society dinner meeting (June 11, 6:30 PM). The second week (June 16–18) will be dedicated to full-day site visits to additional TAVP program sponsors. Please mark your calendars with the 2014 TAVP visit dates now, and sign up early for the course lectures and for the dinner meeting.

Turner Alfrey Visiting Professor Course – Complex Polymer and Hybrid Architectures, June 9–13
Steve Keinath, Director and TAVP Program Coordinator

Course 1041: COMPLEX POLYMER AND HYBRID ARCHITECTURES

Lecturer

Professor Axel H. E. Mueller, Professor and Fellow of the Gutenberg Research College, Institute of Organic Chemistry, Johannes Gutenberg University, Mainz, Germany

Location

Lecture Hall, Michigan Molecular Institute, 1910 West St. Andrews Road, Midland, MI 48640

Date and Time

Formal lectures: Monday-Friday, June 9–13, 2014, 3:00-6:00 PM

Course Fee

There is no fee for auditors if they belong to organizations that are financial sponsors of the Turner Alfrey Visiting Professor program: The Dow Chemical Company, Dow Corning Corporation, Central Michigan University, Michigan State University, Saginaw Valley State University, Detroit Section of the SPE, and Midland Section of the ACS. For all others, a course fee of \$400 will be required at registration. All participants, however, must pre-register.

Registration

Pre-registration is required no less than one week in advance with the Registrar by visiting <http://www.mmi.org/about-us/turner-alfrey-visiting-professorship/>, e-mailing registrar@mmi.org, or by calling (989) 832-5555.

Course Description:

The series of lectures in this course deals with the synthesis, properties, and applications of various complex polymer and hybrid structures. The first and shorter part will cover the general techniques of living/controlled polymerizations with a focus on anionic and radical polymerizations. The second and longer part will show how we can use “macromolecular engineering” to synthesize complex architectures, including block copolymers, and polymers with non-linear topologies, e.g., stars, brushes, or hyperbranched polymers. Finally, we will show how these polymers can be converted into organic or organic-inorganic nanoparticles. All examples will be complemented by the properties and applications of these structures. Applications cover a large number of fields, e.g., dispersants, thermoplastic elastomers, adhesives, nanoporous and stimuli-responsive membranes, bottom-up nanolithography, drug and gene delivery, plastic electronics, medical implants, catalysts, etc.

Lecture Topics Outline:

Introduction

Definition of polymer architecture: Topology, placement of comonomer and functional groups,
molecular weight distribution, microstructure
Relevant literature

Mechanisms of Living/Controlled Polymerizations

Basics of living/controlled polymerizations
Anionic and group transfer polymerization
Cationic polymerization
Ring-opening polymerization (anionic, cationic, ROMP)
Controlled/living radical polymerization
Similarities and differences of mechanisms

Selected Architectures: Synthetic Strategies, Properties, and Applications

Polymers with functional end groups, macrocyclic polymers
Random, gradient, and block copolymers

- Synthesis
- Self-assembly in bulk: Morphologies
- Self-assembly in solution: Micelles and vesicles
- Applications

Branched polymers

- Star-shaped polymers
- Comb-shaped polymers and graft copolymers
- Planar, spherical, and cylindrical polymer brushes
- Hyperbranched polymers

Organic nanoparticles

- Core-shell particles
- Multicompartment micelles
- Janus particles

Organic-inorganic hybrid structures

- Inorganic nanoparticles within polymer brushes
- Sol-gel reactions to convert organic material into inorganic material
- Polymers grafted from inorganic nanoparticles

In Memoriam – Warren B. Crummett

Wendell L. Dilling, Director and Historian

Dr. Warren B. Crummett, 91, of Midland, passed away Thursday, March 20, 2014. A photograph of Warren and details of Warren's life, including his education, work at The Dow Chemical Company, scientific achievements, especially polychlorodioxins analyses and distribution, and service as a consultant to various organizations were given in the Midland Daily News, March 20, 2014, p B8.

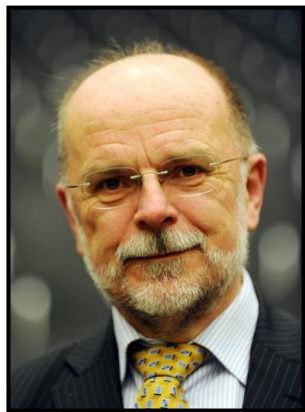
Warren was a 71-year ACS member, 1944-2014. He served the Midland ACS Section in several positions including Chairman of the Graduate Study Committee, 1956; Director, 1960–1961; and Councilor, 1964–1969.

Warren received the Midland Section Award for Outstanding Achievement and Promotion of the Chemical Sciences in 1987.

TAVP Program Joint Technical Society Dinner Meeting, June 11

Steve Keinath, Director and TAVP Program Coordinator

A Zoo and Garden of Nanoparticles: Tales of Worms, Caterpillars, Bamboo, and Clover



Professor Axel H. E. Mueller, Professor and Fellow of the Gutenberg Research College, Institute of Organic Chemistry, Johannes Gutenberg University, Mainz, Germany

Abstract

This lecture will cover the synthesis, properties, and applications of a number of nanoparticles, both soft (organic) and hybrid (organic-inorganic). These nanoparticles resemble natural objects and are made either from molecular brushes or by self-assembly of block copolymers. They have a large number of interesting properties, such as stabilizers for emulsion polymerization, compatibilizers for polymer blends, or transport vehicles for multiple different types of payloads, such as drugs, DNA, or fluorescent dyes.

Date

Wednesday, June 11, 2014

Time

Social 6:30 p.m. • Dinner 7:00 p.m. • Program 8:00 p.m.

Location

NADA Center, Northwood University, 4000 Whiting Drive, Midland, MI 48640, Phone: (989) 837-4277

Cost

\$25 for SPE and ACS members (or members of other professional societies such as AIChE, ASM, etc.) and guests, \$15 for students. Note: Individuals who make reservations for the dinner meeting and do not attend will be charged the same as if they had attended the meeting.

Reservations

Reservations can be made via phone, fax, or e-mail to Molly Warren-Haycock at MMI. Reservations must be received no later than Wednesday, June 4, 2014. Phone: (989) 832-5555, ext. 554, Fax: (989) 832-5560, or E-mail: warren-haycock@mmi.org

Women Chemists Committee Kickoff Event, April 24

Jamie Curtis-Fisk, Women Chemists Committee

The Midland Section ACS Women Chemists Committee (WCC) invites you to join us in celebrating the kickoff of this new organization. We will be hosting A. Maureen Rouhi, Editor-in-Chief of *C&E News*, on the evening of April 24 to hear her perspectives on leadership skills that women can use.

This event will also include opportunities for you to expand your network and build connections with other scientists from the mid-Michigan region. This event will take place at Whiting Forest, 2303 Eastman Avenue, Midland with networking to begin at 5:30 PM. Contact Jaime Curtis-Fisk (jlcurtisfisk@dow.com).



The Midland Section of the American Chemical Society
Serving the Michigan counties of Midland, Gratiot, Bay, Saginaw and Isabella



WCC Kickoff: Professional Development Network. Build Connections.

Join **A. Maureen Rouhi**, Editor-in-Chief of *C&E News* for a compelling seminar on leadership skills in the workplace!

Thursday, April 24, 5:30 PM
Whiting Forest, Midland



- **A. Maureen Rouhi** received B.S. and M.S. degrees in agricultural chemistry from the University of the Philippines, Los Baños, and a Ph.D. from the University of London.
- Her professional experience includes independent research and teaching in the Philippines and in Iran, scholarly publishing, journalism, and news organization management.
- Rouhi's leadership and management skills have been honed by 25 years of service at the American Chemical Society. The world's largest scientific society, ACS is a nonprofit professional organization with a multidisciplinary membership of more than 163,000 chemists and professionals in chemistry-related fields.

The Women Chemists Committee (WCC) serves the membership of the American Chemical Society. Our mission is to be leaders in attracting, developing, promoting, and advocating for women in the chemical sciences in order to positively impact society and the profession.

[Click Here](#) to RSVP or Contact Jaime Curtis-Fisk

MSU Hosts Chemistry Research Forum May 14

Michigan State University, Chemical Engineering and Materials Science

The Department of Chemical Engineering and Materials Science (ChEMS) at Michigan State University would like to invite you to join us at the annual ChEMS Research Forum on Wednesday, May 14, 2014. The Forum will be held at the Huntington Club at Spartan Stadium on the campus of Michigan State University.

The 11th Annual ChEMS Research Forum will showcase Departmental research advances in the areas of:

- Energy and Sustainability
- Nanotechnology and Materials
- Biotechnology and Biomedical Engineering

The one-day program will feature plenary speakers, posters and oral presentations describing the latest Department research. Registration, lunch, and refreshments are complimentary. For more information: <http://www.chems.msu.edu/forum2014>. To register: <http://www.chems.msu.edu/forum2014/Registration>.

Featured presenters include:



Matthew Tirrell
Pritzker Director and Professor
Institute for Molecular Engineering
University of Chicago

*Electrostatic Self-Assembly of Polymers
and Colloids: New Routes to New
Functional Materials*



Chad Bouton
Research and Development Leader
Neurotechnology and Molecular Imaging
Battelle

*Neural Bridging and Implants for
Stroke, Brain, and Spinal Cord Injuries*

Thank you to our sponsors!



Looking for Lost Editor

Wendell L. Dilling, Director and Historian

As noted elsewhere in this issue, we are celebrating the 50th anniversary of the founding of *The Midland Chemist* this month. And as noted by Michelle Cummings in her chair column in the March issue, we will be recognizing the past and present editors of *The Midland Chemist* at the next dinner meeting of the Board of Directors (scheduled for June 2). To do that, we need addresses of these 24 editors. We know the addresses of 23 of them. We have not been able to find James W. Espy, who served as editor in 1976–1978. If anyone has contact information for James, please contact Wendell Dilling, dilli1wl@cmich.edu or 989-631-1621—Thanks.

2014 Awards Banquet Set for April 22 at Great Hall Banquet & Convention Center

Lauren Huffman, Awards Committee Chair

Mark your calendars! The Midland Section ACS Awards Banquet will be held on Tuesday, April 22, 2014, beginning at 6:00 PM at the Great Hall Banquet & Convention Center in Midland. Tickets for the dinner will be \$15.00. Please come out and help to celebrate our local high school, university, and community awardees. If you are interested in attending, please e-mail awards@acs.org or call 989-636-7371.

Snippets from the Dallas Spring Meeting, 2014

Tina Leaym, Councilor

Fellow Midland chemists: It was so refreshing to attend a National Meeting again, after a long hiatus! I was once again impressed by the enormity of the ACS organization. (Where else can you find a Committee on Committees?) Bob Howell, our other Midland Section councilor in attendance at the Dallas meeting, will update the membership on Council business. In addition to Bob's report, I will offer a few ACS "Snippets" to help keep our local members in touch with the National organization.

- When attending a National meeting, I recommend downloading the "App." Search key words and authors, then add talks/events to your schedule with a click. Super convenient!
- ACS offers the Leadership Development System®. Courses are taught at meetings, *but also on-line*. The quality is EXCELLENT; every member should take advantage of this. Visit the website: <http://www.acs.org/content/acs/en/careers/profdev/leadership/descriptions.html>.
- Making a career transition? Updating a resume or honing interview skills? The ACS online Career Consultant Program (CCP) offers personalized consulting. Of course the FREE and CONFIDENTIAL service is offered for all members, but I think mid-career chemists often neglect their



Diana Deese receiving the National Chemical Technician Award (NCTA) from Susan Marine, Chair of Committee on Technician Affairs (CTA), at the National ACS meeting in Dallas. Submitted by Janet Smith, Director.

resumes. This is a great way to put YOU back in charge of your career path. Visit the website: <http://www.acs.org/content/acs/en/careers/ccp.html>.

- SciFinder® Benefit: Now, paid ACS members are eligible for 25 FREE activities through this new benefit. Access will be offered by email invitation. For questions contact ACS Member Services at service@acs.org or 1-800-333-9511.
- Coming Fall 2014, a new resource for K-12 teachers of chemistry: the American Association of Chemistry Teachers (AACT) will offer resources, networking, and professional development. AACT will be open to anyone with an interest in K-12 chemistry education.



In Dallas, a luncheon was held in honor of William Banholzer (4th from right). Pictured, are past and present Dow Chemical employees who attended the luncheon. Submitted by Janet Smith, Director.

Celebrating the 50th Anniversary of *The Midland Chemist* Wendell L. Dilling, Director and Historian

April 2014 marks the 50th anniversary of the founding of *The Midland Chemist* (MC), The Official Publication of the Midland Section of the American Chemical Society. In the first issue of this publication, in April 1964, Editor Dr. Joseph E. Dunbar wrote an editorial that explained his reasons for establishing this publication:

Introducing the Midland Chemist

Many changes in the professional character of the American Chemical Society have come about during the past five or six years. These changes have resulted in a better Society, more representative of its professional members. In such an organization good communication between the formal organizational structure and the members is paramount. Therefore, it is intended that the MIDLAND CHEMIST will function not only as a broadcaster of news and announcements but that it can also serve as a sounding board for comments and opinions on professional matters by individual members. It is hoped that a regular communications column, containing brief letters, can be maintained. Names of contributors can be withheld upon request, but all contributions must be signed, and contributors must take full responsibility for their comments.

Veteran administrators of the Midland Section, in discussing the professional problems of a one-company section, have often emphasized the belief that it is difficult to conduct ACS business without wearing "two hats." It is hoped that the MIDLAND CHEMIST can guide our local Section administrators in wearing the ACS hat when conducting ACS business.

Major financial support for the MIDLAND CHEMIST is derived from advertising and the remainder from the Midland Section. The amount contributed by the Section is approximately equivalent to the amount that was required to print and mail the former NEWSLETTER. An active reader response and an increased demand for advertising space will result in the eventual expansion of the publication.

The MIDLAND CHEMIST will be published monthly from September through May. The April and May issues of this year will give our staff a chance to make the initial plunge into the publishing business. The following three summer months will afford time to refine operations for the coming nine issues of the next year.

Although at the present time limiting factors prevent the MIDLAND CHEMIST from being elaborate, we hope that each issue will serve the purpose of contributing to the professional betterment of our scientific community.

The masthead of the first issue carried the names of the six members who comprised the staff of the fledgling publication:

J. E. DUNBAR, Editor
W. B. NEELY, Business Manager
D. R. WEYENBERG, Associate Editor and Circulation Manager
C. B. ROBERTS, Treasurer
D. A. RAUSCH, Reporter
W. H. RILEY, Reporter

Prior to 1964, members received Section news and announcements via a newsletter that appears to have been prepared by the Section secretary. No indication of newsletter editors could be found in the Section archives. Newsletter No. 1 was dated May 3, 1945, over the name of Lewis R. Drake, Section Secretary-Treasurer, two days before the first "Fall Scientific Meeting." The first few years' technical meetings, that became the Fall Scientific Meetings, were held in the spring. The last newsletter was dated November 1963

with no editor or secretary listed. The names of all the Section secretaries from 1945 to 1963 can be found in *The MC* **1994**, 31, No. 7 (October 21), p 8.

In 1989, the Section held a reception on May 31 in Dow's 47 Building atrium for *The MC* editors who served during the publication's first 25 years. Dow President Frank Popoff was a speaker. Section Chair Gretchen Kohl described the reception in a follow-up article in *The MC* **1989**, 26, No. 4 (July/August), p 3.

Highlights of the first 25 years of *The MC* were given in an article by Joe Dunbar, Marcia Dilling, Tony Haag, and Ken Bjork in *The MC* **1989**, 26, No. 3 (April/May), p 2-16. Additional information and comments were provided by Muthyala Ramaiah, Charles Roberts, and Gretchen Kohl.

The MC started out as a 5.5" x 8.5" booklet that was mailed to all members and a few other interested people, and continued in this form until February 2009. During this time the frequency of publication decreased from nine issues to six issues per year. In April 2009, it was converted to an 8.5" x 11" web based format with e-mail notification for most members that a new issue was available. Members without internet access continued to receive paper copies by regular mail. The frequency of publication of the web based *MC* increased from six issues to the current twelve issues per year.

Attempts to highlight the most important articles carried by *The MC* are likely to be incomplete, but here are a few: starting in 1977 the program booklets for many Fall Scientific Meetings; information on Regional ACS Meetings hosted by the Midland Section in 1982, 1990, 1997, 2006, and 2013; Midland Section election ballots and candidate information; and awards given to the Section and individual members.

Additionally, Section chair comments, publicity about local section meetings, seminars, outside speakers, board of directors meetings, reports of committee activities, information about the Section's educational and outreach activities, the many other activities of the Section, and other news items have been important contents of *The MC* that keep members informed. Editorials and letters to the editor, some of a controversial nature, have been published occasionally.

Over these 50 years, 24 Midland Section members have served as an editor or co-editor of *The MC*. The role of *MC* Editor is one of the most important positions in the Midland Section. Good communications mechanisms are required for efficient operation of an organization like the ACS. The table below lists the starting and ending dates of these members' terms as editors. The length of service has varied from a few months, to as much as ten years for Ann Birch. These members have provided an invaluable service to the Midland Section. Many hours were required to compose the issues of *The MC*, especially in the early days of the publication before computerized production was available. Many support staff helped the editors. We deeply appreciate the service of all these members.

Editors of *The Midland Chemist* (1964–2014)*

	<u>Starting Date</u>	<u>Ending Date</u>
Joseph E. Dunbar	Apr 1964	May 1969
Marcia L. Dilling	Sep 1969	May 1973
Wendell L. Dilling	Sep 1969	May 1973
Richard L. McKellar	Sep 1973	Nov 1975
James W. Espy	Jan 1976	Feb 1978
Paul J. Moses	Mar 1978	Oct 1978

Terry O'Brien	Nov 1978	Mar 1980
Alexander Weitz	Apr 1980	Nov 1981
Susan I.F. Weitz	Apr 1980	Nov 1981
Gretchen S. Kohl	Jan 1982	Nov 1985
Steven E. Keinath	Aug 1984	Aug 1987
	Oct 2012	
Muthyala Ramaiah	Jun 1987	May 1989
C. Kenneth Bjork	Jan 1988	May 1990
Nelson G. Rondan	Jul 1989	Nov 1990
Anne E. Rogers	Feb 1991	Dec 1992
Kerry L. Johnson	Feb 1991	Dec 1993
Tony Haag	Feb 1991	Feb 1994
Randy M. Hill	Feb 1992	Oct 1999
David Selley	Feb 1994	Oct 1998
Jane K. Thompson	Mar 1994	Oct 1999
Vicki S. Sible	Mar 1998	Oct 1999
Ann F. Birch	Dec 1999	Dec 2009
Scott Rettelle	Feb 2010	Oct 2011
Amy Tesolin-Gee	Apr 2010	

*People who served during the same time periods were co-editors.

2013 ACS President-Elect Election Results

Wendell L. Dilling, Director and Historian

A clarification of the results of the 2013 ACS President-Elect election was reported in C&EN, March 10, 2014, p 2. The results of that election were:

Candidate	1st-choice votes	2nd-choice votes	Total votes
Schmidt	8443 39%	3180	11623 42%
Balazs	6704 31%	2934	9638 35%
Kolb	6512 30%		6512 23%

The original report in C&EN, November 25, 2013, p 5, reported only total votes for the three candidates, first-choice votes plus second-choice votes for two of the candidates and only first-choice votes for the third candidate. Even though the correct order of finish was reported initially, the total vote counts gave a distorted view of the results. The original report implied that Balazs was supported by 3126 (9638 – 6512) more voters than Kolb was, whereas the difference was only 192 (6704 – 6512) votes. The 42%, 35%, and 23% reported are not pertinent because two of the total vote counts included both first-choice and second-choice votes, and the third included only first-choice votes.

The last (second in this case) stage of an instant run-off election is between only two candidates (Schmidt and Balazs) and always results in one candidate receiving a majority (>50%) of the votes unless there is a tie. Schmidt received 55% [$11623 \times 100 / (11623 + 9638)$] of the vote in the run-off portion of this election. Kolb was not involved in this second stage.

Also, the total number of voters, 21659 (8443 + 6704 + 6512), could not be determined from the initial set of numbers reported, which implied 27773 (11623 + 9638 + 6512) voters if one does not recognize that some voters were counted twice.

The results of this election point out one of the potential problems of instant run-off elections, the method the ACS uses for president-elect and district director elections, if there are more than two candidates and no candidate has a majority of first-choice votes. The vote distribution between the two candidates with the fewest first-choice votes was relatively even. If a relatively small number of voters (97), compared with the total number of voters, had voted for Kolb instead of Balazs as their first choice, Balazs would have been the lowest vote recipient. The second-choice votes to be added to the two highest vote recipients would have come from the ballots where Balazs was the first choice instead of the ballots where Kolb was the first choice. If the voters who selected Balazs as their first choice had had a distinct preference for Kolb over Schmidt as their second choice, Kolb could have been elected. Thus a relatively small number of voters could have shifted the overall results of the election. This is an example of why instant run-off voting is not foolproof. But, in my opinion, instant run-off is still a better election method than many other methods.

Some of these comments have been sent to the C&EN editor and people associated with the National Committee on Nominations and Elections.

In Past Issues of *The Midland Chemist*

Wendell L. Dilling, Director and Historian

50 Years Ago

In *April Meeting, Chemistry of Fused Salts*, by Dr. E. R. Van Artsdalen, University of Virginia, 8:00 p.m. Monday, April 20, 1964, Research Auditorium, 47 Building, Dow: "The Lecture, Modern high-temperature technology, including Space applications, has emphasized the increasing importance of fused salts. Unfortunately, our detailed, quantitative knowledge of many aspects of fused salts is quite incomplete and imperfect. But rapid progress is being made and this lecture will discuss important recent advances in both basic and applied aspects of the chemistry of fused salts."

40 Years Ago

In *Interrelations in Science: A Case History*: "The 1972 Pauling Award, which was presented to Professor E. Bright Wilson of Harvard University, is given annually by the Puget Sound and Oregon ACS Sections to recognize outstanding achievement in chemistry. Dr. Wilson's award address, which is reprinted from the June, 1973, *Puget Sound Chemist*, follows: I chose to speak tonight on two examples from the recent history of science because they are fairly familiar to me and because they point up certain lessons which I think we, as scientists, have a duty to reiterate regularly. We understand these lessons but they are continually being forgotten by the public, by industrialists and especially by politicians. Mainly I refer to the present emphasis on short range practical results, an emphasis which distressed me greatly and causes me to fear very harmful consequences for our country."

30 Years Ago

In *CMU Prof Helps in Battle Against Malaria* by News, Information Services, CMU: "Whenever a cure for a major disease is discovered, it's usually one or two people who gain most of the recognition for the achievement. However, behind those one or two persons are literally thousands of others who have spent countless hours conducting tedious and unglamorous research. Dr. Thomas J. Delia is among those thousands of little-known yet important researchers. Delia is a professor of chemistry at Central Michigan University, who

recently returned from a nine-month sabbatical in Australia where he joined other researchers in looking for a cure for malaria. Delia spent the time working at the Australian National University in Canberra. The sabbatical was funded by a Fulbright senior scholar award. For several years Delia has been conducting research on agents which will inhibit the growth of the parasites which cause malaria. Delia admits the work may not sound exciting, but is very important in the fight against the disease."

20 Years Ago

In *From the Chairman* . . . by Robert Kohrman, Chairman ACS Midland Section: "Elsewhere in this issue is an announcement for an event to be held on Sunday, May 22, 1994, which will help celebrate this year as the 75th Anniversary of the Midland Section of the American Chemical Society. This Open House will be held in the Midland Public Library and will include a public reception and a brief program to recognize the section's Anniversary Committee, honor the 50-year award winners for 1994, and introduce the posters which will be put on display in the library for the next several weeks. The poster exhibition will focus on many of the people who filled influential roles in the section's history and will cover the highlights of programs and events which shaped the development of the Midland Section from 1919 to 1994. The May 22 Open House is just one of several section activities which recognizes the 75 exciting years of our history."

10 Years Ago

In *Chair Column, The Midland Chemist Celebrates a Birthday* by Joe Ceraso, Chair ACS Midland Section: "According to research by Section historian Wendell Dilling, the April 1964 issue of *The Midland Chemist* was the first issue published, making our Section publication 40 years old this month. In his editorial, "Introducing the Midland Chemist," founding editor Dr. Joseph E. Dunbar commented "Many changes in the professional character of the American Chemical Society have come about during the past five or six years. These changes have resulted in a better Society, more representative of its professional members. In such an organization good communication between the formal organizational structure and the members is paramount. Therefore it is intended that *The Midland Chemist* will function not only as a broadcaster of news and announcements but that it can also serve as a sounding board for comments and opinions on professional matters by individual members. It is hoped that a regular communications column containing brief letters can be maintained." Well, *The Midland Chemist* is still going strong, despite its entry into middle-age, just like many of our Section members. Section demographics for 2003 exhibit a strong showing for the 41-60 age group, but the 20s and 30s are catching up, and we've seen more and more new members becoming active in Section events in the last few years. We welcome their participation and fresh ideas!"

Upcoming Dates, Events, and Other Updates

- April 22 (6:00 PM) – Midland Section ACS Awards Banquet, Great Hall Banquet & Convention Center, Midland. Contact awards@acs.org for more information or to RSVP.
- April 24 (5:30 PM) – Women Chemists Committee kickoff event, Whiting Forest, 2303 Eastman Avenue, Midland. Contact Jaime Curtis-Fisk (jlcurtisfisk@dow.com) for more information.
- May 5 (7:00–9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via conference call at phone number: 866-299-7945, participant code: 9837036#.
- May 14 – 11th Annual MSU ChEMS Department Research Forum, Huntington Club at Spartan Stadium, Michigan State University, East Lansing. For more information: <http://www.chems.msu.edu/forum2014>. To register: <http://www.chems.msu.edu/forum2014/Registration>.

- June 2 (5:30–9:00 PM) – Midland Section ACS 2nd Quarter Committee updates and dinner meeting. Venue to be determined. Contact Michelle Cummings (michelle.cummings@dowcorning.com) for questions.
- June 9–13 (3:00–6:00 PM, each day) – 2014 TAVP course lectures, *Complex Polymer and Hybrid Architectures*, featuring Prof. Axel H. E. Mueller of Johannes Gutenberg University (Mainz, Germany), MMI Lecture Hall, Midland. For more information and to pre-register for the course, see <http://www.mmi.org/about-us/turner-alfrey-visiting-professorship/>. **Pre-registration is required by June 2.** Contact Steve Keinath at keinath@mmi.org or 989-832-5555 x 588 for any questions.
- June 11 (6:30–9:00 PM) – TAVP program joint technical society dinner meeting, NADA Center, Northwood University. Prof. Axel H. E. Mueller will give an interesting lecture entitled *A Zoo and Garden of Nanoparticles: Tales of Worms, Caterpillars, Bamboo, and Clover*. **The RSVP deadline is June 4** to Molly Warren-Haycock at warren-haycock@mmi.org. Contact Steve Keinath at keinath@mmi.org or 989-832-5555 x 588 for any questions.
- August 10–14 – 248th ACS National Meeting & Exposition, San Francisco, CA. For more information, see <http://www.acs.org/content/acs/en/meetings/fall-2014.html>.
- October 1–4 – 45th ACS Central Regional Meeting, Pittsburgh, PA. For more information, see www.acscerm2014.org.

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