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From optical excitations to atomistic simulations, Central Michigan University's Department of Chemistry offers a wide variety of topics presented by nationally known speakers in their 2003 Chemistry Seminar Series.

See the back cover of this issue for February and March topics.

Also: 2003 ACS and MMTG Leadership, p. 6–9

THE MIDLAND CHEMIST

Volume 40, Number 1

February 2003

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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.

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*Chair Column***New Year, New Faces**

Much as I enjoy reading *The Midland Chemist*, I must confess that once read I used to discard my copies. However, from the moment that I was persuaded that I should run for 2003 Chair I kept them for several reasons, the most obvious being their use as a guide to how others have coped with the task of writing these columns. Not a lot of use this month of course as I was the one who wrote last year's February column. This was because of Pat's health problems. I'm glad to say he made an excellent, rapid recovery to the point that the first month of last year was the only period when Pat was not as active as any chair that preceded him to my knowledge. Thank you so much Pat for all your contributions, which have been nothing short of remarkable and well beyond expectations considering the difficulties you were facing.



*Mike Owen
Section Chair*

On the subject of *The Midland Chemist*, I hope you agree with me that it is a truly excellent publication with a wide breadth of interesting articles. I think 2002 was particularly rich and I have heard numerous expressions of the same sentiments throughout the year. Ann Birch and her staff, which has grown over the year to include Dave Baker, James Birch, Angelo Cassar, Kristine Danowski, Peggy Hill, and Don Miller in the last issue, are to be commended on a superb contribution. I'm pleased to report that Ann will continue this service in 2003, and I hope her other volunteers will also. One of the few complaints I heard recently was about delivery of the election issue in time to cast one's vote. This turned out to be mostly a problem of the member's mail distribution system. The mailing labels we use come from the information you provide to the National ACS when you join or renew your membership. We will also be reconsidering electronic distribution of *The Midland Chemist* this year; I welcome your input on this matter.

Many other committee chairs and volunteers are continuing in their former roles, for which I am grateful, knowing only a part of what each of you has contributed. Among Midland Section officers, Doug Beyer was re-elected as treasurer and Bob Howell as councilor. Angelo Cassar is our new alternate councilor, and I am relieved to report that he will continue his publicity and public relations activities. He is a stellar example of our invaluable multi-hatted volunteers. I have seen more mention recently (favorable, thank goodness) of the Midland Section in local newspapers

and *Chemical and Engineering News* due to Angelo's fine efforts. I warmly welcome new Section officers: Sharyl Majorski-Briggs, secretary, and Gary Kozerski, chair of the Nominations and Elections Committee. Our chair-elect, Joe Ceraso, is a familiar contributor, having been a director last year. Likewise, the new directors, George Eastland, Sarah Snow, Art Smith, and Connie Murphy are well-known to you from ongoing involvement in the Midland Section. Continuing directors are Deb Bergstrom, Wendell Dilling, Ann Birch, Dave Stickles, and Joan Sabourin—several multiple-hats there to be sure. We have nine directors with three changes each year, normally.

Later columns will focus on our committees, but I must mention two significant changes. I trust you already know that Wendy Flory is forming a new Younger Chemists Committee. We had one some years ago, but not recently, and I am happy that we are looking to the future in this way again. As an aside, I've not received any volunteers to lead a possible Retiree's Committee. I wish I knew if it's lack of need, time, or interest, or simply that they have fled the Michigan winter; please let me know. Phil Squatrito is stepping down as chair of the Awards Committee. I welcome Petar Dvornic of MMI as the new chair. I am delighted we can use his talents in this important way. For candidates who were not elected this time and are not yet involved in committee work, beware! We know your worth, and you can be sure you'll be hearing from me soon if not already!

Mike Owen

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*Call for Nominations***2003 Science Teaching and Education
Volunteer Awards***By Petar Dvornic*

Each year the Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the teaching of the chemical sciences. Nominations for the 2003 awards are invited.

Awards are presented for outstanding achievement in the following areas:

- Elementary Level Science Education
- Middle Level Science Education
- High School Chemistry Teaching
- College Chemistry Teaching

Candidates for these awards must be educators at schools in the five-county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland and Saginaw Counties.

The Science Education Volunteer of the Year Award is also presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts.

Previous recipients of the awards are as follows:

| | Elementary Level | Middle Level |
|------|--|-------------------------|
| 1992 | Karen Ziemelis | Derrell Steffen |
| 1993 | Lela Wade | Laurie Hepinstall |
| 1994 | Constance A. Dullock | JoAnn Kraut |
| 1995 | Joan Klopocz | not awarded |
| 1996 | Mark Hackbarth | Barbara J. Bibbee |
| 1997 | Denise Koppeler, Cheryl Ruthig | Gary J. Johnson |
| 1998 | Barbara McGivern | not awarded |
| 1999 | John Clark | not awarded |
| 2000 | Sue Burtch, Robin Harshman-Rogers, Vicki Richard, Clare Jorgensen | not awarded |
| 2001 | Cathy Egerer, Amy Hindbaugh-Marr | not awarded |
| 2002 | Maureen Becker | Joel Mikusko |
| | High School Teaching | College Teaching |
| 1989 | Robert Wallace | Joan Sabourin |
| 1990 | Gary Ronk | Bob Howell |
| 1991 | not awarded | Robert Kohrman |
| 1992 | John Clark, Edna Konwinski | Scott Hill |
| 1993 | Mary Irons | Ajit Sharma |
| 1994 | Jo Ann Pelkki | Laura Vosejpka |
| 1995 | not awarded | George Eastland |

| | | |
|------|----------------|-------------------|
| 1996 | Sandra Schafer | Martin Spartz |
| 1997 | Mary Fredell | Philip Squattrito |
| 1998 | Dale Ressler | Thomas Delia |
| 1999 | Robert Enszer | Steven Keinath |
| 2000 | Steven Kelly | James Hutchison |
| 2001 | William Stokes | Sandra Smith |
| 2002 | Robert Hansen | Margaret Hill |

Science Education Volunteer

| | |
|------|----------------------------------|
| 1992 | Gregg Young |
| 1993 | Peter Bonk |
| 1994 | Peter Moehs |
| 1995 | Gretchen Kohl |
| 1996 | John Blizzard, Richard Van Effen |
| 1997 | Marvin Tegen |
| 1998 | Carlton Beyer |
| 1999 | William Albe |
| 2000 | Karol Childs |
| 2001 | Donald Petersen |
| 2002 | Joan McMahon |

Recipients of all awards will be selected by the Awards Committee. Nominators should write a letter indicating the award and describing the attributes of the candidate. Supporting letters from students, colleagues, supervisors, and community leaders are strongly encouraged. The deadline for nominations is March 21, 2002. Electronic and fax submissions are acceptable. All submissions must be accompanied by the name, position, address, and phone number of the nominator.

Award recipients, as well as high school and college student award recipients and Chemistry Olympiad winners, will be honored at the 2003 Science Education Recognition Dinner in April.

The Awards Committee greatly appreciates the efforts involved in nominating someone and thanks you for helping to recognize deserving educators in our section. *Parents: Does your child have a great science teacher? If so, consider nominating him/her and pass this flier along to that teacher's principal or section head.* Please submit nominations to:

Petar Dvornic, dvornic@mimi.org
Chair, ACS Awards Committee
Michigan Molecular Institute
1910 W Saint Andrews Rd
Midland, MI 48640-2696
Phone: 989-832-5555, Ext. 550; fax: 989-832-5560

New Midland Section Members!

by Connie Murphy

Welcome! to the following people who have either joined the American Chemical Society or transferred into the Midland Section during the past year.

John Albaugh

Gregory Becker

Stephanie Bloxom

Stephanie Burns

Peter Carver

Mark Chartier

Andrew Chubb

Stephen Doktycz

Timothy Elwell

Nichole Evans

Omar Farooq

Nicolas Ford

Lotti Frauchiger

Stephanie Gabelnick

Cynthia Gould

Donald Johnson

Anton Karnoup

Linda Kennedy

Dennis Klein

Weihong Lang

Bob Maughon

Joan McMahan

Robert Miller

Linda Myers

Mike Nuttall

Chuck Olsen

Willis Pennington

Quentin Petersen

Paul Schalk

Meagen Smekar

Sarah Smolinski

Kenneth Stawowy

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Chair-Elect

Joe Ceraso* jceraso@dow.com 989-636-4158

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Sharyl Majorski-Briggs* major1sa@cmich.edu 989-774-3416

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Gretchen Kohl (04) gretchen.kohl@dowcorning.com 989-496-8200

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Steve Keinath (04) skeinath@mimi.org 989-832-5555, X588

Chair, Nominations and Elections Committee

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Connie Murphy (05)* cjmurphy@dow.com 989-636-2961

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Dave Stickle (03) dstick44@chartermi.net 989-496-3273

Joan Sabourin (04) jmsabour@alpha.delta.edu 989-686-9249

*Member of Executive Committee

Committee Chairs for 2003

Committees on Internal Matters

Executive

Mike Owen michaelowen01@chartermi.net 989-631-7339

Membership Growth and Retention

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| Web Site | | |
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Committees on Member Assistance and Recognition

| | | |
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| Careers & Professional Relations | | |
| Don Miller | donmiller@tm.net | 989-832-8270 |
| Awards | | |
| Petar Dvornic | dvornic@mimi.org | 989-832-5555, X550 |
| Younger Chemists | | |
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Committees on Member Programs and Activities

Program

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| Joe Ceraso | jceraso@dow.com | 989-636-4158 |
| Fall Scientific Meeting | | |
| Wendy Flory | wcflory@dow.com | 989-636-5097 |
| Dale LeCaptain | dale.lecaptain@cmich.edu | 989-774-3993 |

Committees on Public Education and Student Programs

NCW

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| Angelo Cassar | angelo.cassar@chartermi.net | 989-631-7128 |
| Marvin Tegen | mtegen@dow.com | 989-636-9780 |

Committees on Public Education and Student Programs, cont.

Project Science Literacy

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| Mike Ferritto | m.ferritto@dowcorning.com | 989-496-3244 |
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Project SEED

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| Peggy Hill | m.hill@chartermi.net | 989-463-6467 |
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Chemistry Olympiad

| | | |
|------------------------|--------------------|--------------|
| Sharyl Majorski-Briggs | major1sa@cmich.edu | 989-774-3416 |
|------------------------|--------------------|--------------|

Sci-Fest

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| Joan Sabourin | jmsabour@alpha.delta.edu | 989-686-9249 |

Minority Affairs

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Kids and Chemistry

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Explorer Post

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Chair-Elect

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In Past Issues of *The Midland Chemist**By Wendell Dilling*

- **30 Years Ago This Month**—Notices were given of an upcoming seminar by Sheldon H. Messing on “The Electroreduction of Iodonium Salts,” and a lecture by Walter C. McCrone on “Sleuthing with the Microscope.”
- **20 Years Ago This Month**—Tom Lane reported in “Outstanding 1982 Performance!”, excerpted from the Section’s annual report, in the section on the 14th Central Regional Meeting, hosted by the Midland Section, that the Kipping Award Symposium was one of the most outstanding Organosilicon Symposia ever held. All 17 of the previous ACS Frederick Stanley Kipping Award winners attended the meeting as guests of the Dow Corning Corporation, sponsor of the award.
- **10 Years Ago This Month**—Tina Leaym gave an update on the MMTG tutoring program in which over twenty tutors were placed in seven Midland area schools.

Important Dates on the ACS Midland Section Calendar

- February 3 Deadline for March issue of *The Midland Chemist*
- February 3 Dr. Scott Fountain, Pfizer, "Vindication of the Analytical Chemist: An Industry Perspective," CMU Seminar Series, Central Michigan University, Dow 175, 4:00 p.m., reception preceding in Dow 264 at 3:30 p.m. (Anton Jensen, 989-774-3125)
- February 10 Midland Section board meeting, Delta College, Midland Center, Room 12, 7:00 p.m.
- February 24 Prof. Mary Tecklenburg, CMU, "Raman Spectra of Model Bone: Substituted Hydroxyapatites," CMU Seminar Series, location/time information same as Feb. 3 seminar.
- March 3 Deadline for April issue of *The Midland Chemist*
- March 10 Dr. Laura Bloem, Eli Lilly, "Kinases as Drug Targets for Cardiovascular Disease," CMU Seminar Series, location/time information same as Feb. 3 seminar.
- March 17 Midland Section board meeting, Delta College, Midland Center, Room 12, 7:00 p.m.
- March 17 Prof. John Seeley, Oakland University, "The Development and Application of Comprehensive Multidimensional Gas Chromatography," CMU Seminar Series, location/time information same as Feb. 3 seminar.
- March 31 Prof. Fred Wudl, UCLA, "Self-mending Polymers," CMU Seminar Series and ACS Tour Speaker, location/time information same as Feb. 3 seminar.
- March 31 Prof. Fred Wudl, UCLA, "Solid-State Synthesis of a Doped Conducting Polymer," CMU Seminar Series and ACS Tour Speaker, Central Michigan University, Dow 175, 7:00 pm (Anton Jensen, 989-774-3125)

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