



# THE DAYTON SECTION

*Fostering scientific education and research and promoting public understanding of science*

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Vacant

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**NATIONAL CHEMISTRY WEEK COORDINATOR**

Vacant

**BULLETIN****Election Issue 2005****Meetings**

**Oct. 5:** *Herbal Products: They're Natural But Are They Safe?*

**Oct. 21:** *3<sup>rd</sup> Annual P&G Lectureship: Commercial Exploitation of Nanostructures: Studies at the Interface of Organic and Materials Chemistry* (see enclosed flyer)

**Oct. 22:** Celebrate National Chemistry Week with this year's theme, *The Joy of Toys*, at the Centerville Library.

**Nov. 16:** Professional Practices. Join us in honoring our newest 50-year members!

**Section Elections**

- The campaign for Chair-Elect reaches a feverish pitch.
- A formidable Secretarial candidate goes unchallenged.
- Candidate statements on pp 4-5; ballot on back page.

*Sign up for our Electronic Meeting Reminder, page 5*

DATE D MATERIAL - MEETING ANNOUNCEMENT - DO NOT DELAY

PERMIT NO. 517  
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American Chemical Society  
Dayton Section  
Eugene M. Kettering Center  
140 East Monument Avenue  
Dayton, OH 45402-1267

## UPCOMING MEETINGS

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### **OCTOBER 7:**

#### ***HERBAL PRODUCTS: THEY'RE NATURAL BUT ARE THEY SAFE?***

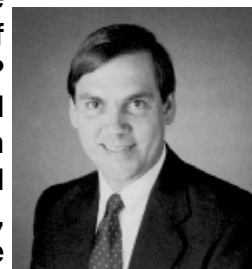
Joint meeting with Department of Chemistry,  
Wright State University Seminar Series

Speaker: Dr. David Wiemer, University of Iowa

Time: 3:30 PM

Place: Department of Chemistry, WSU, Oelman Hall, Room 340

Abstract: Herbal products have become big business in the United States. Infomercials, radio and television commercials, and print ads trumpet the benefits of natural remedies for various illnesses or as aids for weight loss or in programs to stop smoking. These products are commonly described as "all-natural" and draw on the common belief that if something is natural it must be safe. But does this belief have any scientific basis? Native peoples often have used plants to treat disease or illness, and both traditional remedies and other plants have given rise to many of the drugs used in Western medicine. However, many natural materials are highly toxic, and some natural products are useful precisely because they are highly toxic. In this presentation, examples of both the beneficial and harmful compounds found in nature will be presented, along with a description of the strategies that are used to isolate biologically active compounds from natural sources.



Go to <http://www.wright.edu/aboutwsu/maps/> for a WSU Map

### **NOVEMBER 16:**

#### ***PROFESSIONAL PRACTICES***

The Dayton Section traditionally honors those members who have attained 50 years of membership in the American Chemical Society. This year, 2 members — Drs. Glen Buell and Gilbert Nelson — have attained this status. Each will receive an official ACS plaque of recognition and will be invited to address the Dayton-Section membership at a dinner meeting. Election results will also be announced.

Time and venue are 6:30 PM at The Wellington Grill on Dayton-Xenia Road (Old 35), east of Beavercreek High School. To make reservations, contact Dr. Narayanan Venkat at 255-9117 or at [narayanan.venkat@wpafb.af.mil](mailto:narayanan.venkat@wpafb.af.mil).

#### ***PAST MEETING — THE ANNUAL DAYTON SECTION PICNIC***

On Saturday, August 20<sup>th</sup>, the Dayton Section reinstated an old section tradition and held a picnic at John Bryan State Park. Fun was had by all. Activities included: eating, Frisbee, badminton, eating, and bad-mouthing those members who did not attend. An awards committee surreptitiously bestowed the following honors:

*Biggest Showoff:* Hilmar Koerner

*Most Unforced Errors:* Rajiv Berry

*Most Bugs Collected:* Emily Koerner

*Most Vital Item Forgotten (a tie):*

Joy Rogers (matches) & Joy Rogers (marshmallows)

*Worst Fopah:* Steve Trohalaki

## National Chemistry Week – The Joy of Toys!

Date: Saturday, October 22, 2005

Place: Centerville Library 111 W. Spring Valley Rd., Centerville

Time: 10:00 AM – 4:00 PM

Come celebrate with us the conclusion of National Chemistry Week (Oct. 16 -22) at the Centerville Library, where we will highlight this year's theme "The Joy of Toys". How has chemistry impacted the evolution of toys over the years? Come find out!

We are in need of volunteers to help the Section with the booth for the day. If you are interested in helping out, even if only for an hour or two, please call Joy Rogers at (937) 255-3808 x3179 or e-mail Joy.Rogers@wpafb.af.mil.



## Report from Council

At the 230<sup>th</sup> Meeting of the ACS in Washington, DC, I represented the Dayton Section at my second Council Meeting. I was surprised to learn that one of the three nominees for 2006 President-Elect — John W. Kozarich — had withdrawn, leaving two candidates — George E. Heinze (Rockland Technimed, Ltd, New York) and Catherine T. Hunt (Rohm and Haas Company, Pennsylvania) — for the fall 2005 ACS national election. Recall that, at my first Council Meeting, I voted for Hunt and Kozarich but was surprised by Heinze's petition nomination.

Before I detail additional election results that I am duty-bound to provide, let me describe a couple of Council highlights. First, in his address to Council, President Bill Carroll described his planned extensive travel as he continues to visit local sections. He looks forward to three great American innovations — cruise control, country-western music radio, and the Big Gulp. Second, unlike my first Council Meeting, Councilors were provided tables and chairs so that the complimentary, pre-Council breakfast could be consumed in a civilized manner. The croissants were good; the bagels were not.

Negative comments (although I did not announce them at Council) include my objection to the continued analyses through rose-colored glasses, e.g., the Executive Director's statement that the overwhelming majority of surveyed members are satisfied with their ACS membership. What about the thousands of U.S. chemists who are not ACS members and who outnumber ACS members? It's safe to say that they would *not* be satisfied if indeed they were members. Another example of such platitudes is a statement in the ACS 2004 Annual Report: "In a word, we are riding the crest of the expanding multidisciplinary wave of chemistry." First, this is more than "a word" but, more importantly, it can be more effectively argued that the ACS is caught in this wave's undertow.

The Committee on Nominations and Elections presented to Council the following slate of nominees for membership in the Committee on Committees for the 2006–08 term: Cherlynlavaughn Bradley, William H. (Jack) Breazeale, Jr., Theodore M. Brown, Michael J. Brownfield, Peter K. Dorhout, Alan M. Ehrlich, Jurgen H. Exner, Mamie W. Moy, Connie J. Murphy and Don B. Weser. By written ballot, the Council elected Cherlynlavaughn Bradley, William H. (Jack) Breazeale, Jr., Peter K. Dorhout, Mamie W. Moy, and Connie J. Murphy.

The Committee on Nominations and Elections presented the following slate of nominees for membership on the Council Policy Committee for the 2006–8 term: R. Gerald Bass, Martha L. Casey, Alan B. Cooper, Catherine E. Costello, M. Elizabeth Derrick, Janan M. Hayes, Ann H. Hunt, Valerie J. Kuck, Bonnie A. Lawlor and Charles E. Thomas. Councilors were informed that Stephen T. Quigley was nominated as a petition candidate. By written ballot the Council elected R. Gerald Bass, Martha L. Casey, Janan M. Hayes, Valerie J. Kuck, and Bonnie Lawlor.

The Council Policy Committee presented to the Council the following slate of nominees for membership on the Committee on Nominations and Elections: David E. Bergbreiter, David S. Crumrine, Steven A. Fleming, Michelle M. Francl, Peter C. Jurs, Roger A. Parker, Robert A. Pribush, Sara J. Risch, Herbert B. Silber and John T. Yates, Jr. By written ballot the Council elected Steven A. Fleming, Michelle M. Francl, Peter C. Jurs, Roger A. Parker, and Sara J. Risch.

## **2005 Dayton Section Elections: Candidate Biographies & Statements**

**Office:** Chair-Elect

**Candidate:** Peter Mirau

**Position Title and Place of Employment**

Senior Research Scientist, Polymer Branch, Air Force Research Lab Wright-Patterson AFB

**Education Information (Degrees, Institutions, Field of Study and Corresponding Dates)**

B.A., Chemistry (1976) University of California, Santa Barbara

Ph.D., Pharmaceutical Chemistry (1981) University of California, San Francisco

Postdoctoral Research Chemist (1981-4), Chemistry Department, University of California, San Diego

Postdoctoral Research Chemist (1984), AT&T Bell Laboratories, Murray Hill, NJ

**Professional Society Affiliations (Offices held, Dates, Services to ACS)**

American Chemical Society

Polymer Program Committee (1992-1996)

ACS Symposium Organizer (1996, 1998, 2000)

Materials Research Society

Fellow of the American Physical Society (2000)

**Statement**

The goals of the local ACS are different from the national organization. The two most important things we can do at the local level are outreach and mentoring. The challenge is to use our experience and connections to leverage the local resources to get kids excited about chemistry and launch their careers.

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**Office:** Chair-Elect

**Candidate:** Rajiv Berry

**Position Title & Place of Employment**

Materials Research Engineer, Polymer Branch, Air Force Research Lab Wright-Patterson AFB

**Education Information (Degrees, Institutions, Field of Study and Corresponding Dates)**

1986, PhD Chemistry, University of South Carolina, Columbia, "Microwave, infrared and Raman spectra, electron diffraction studies, ab initio calculations, and conformational analysis of cyclopropyl isocyanate and isothiocyanate, and the propenoyl halides." Advisor: Dr. James Durig.

1981, MS Chemistry, University of Missouri, Kansas City, Advisor: Dr. Charles Wurrey.

**Professional Society Affiliations**

American Chemical Society member since 1979

**Statement**

My goal as Chair-Elect is to improve communications between the elected officials and members of the local chapter via an interactive website, via enhancements to the bulletin and via electronic mailing of special events. Emphasis will be placed on organizing seminars/events of interest to a broad audience including younger family members.

## 2005 Dayton Section Elections: Candidate Biographies & Statements

**Office:** Secretary

**Candidate:** Mrs. Kristi M. Singh

**Position Title and Place of Employment**

Research Scientist, Air Force Research Lab, Wright-Patterson AFB

**Education information (Degrees, Institutions, Field of Study and Corresponding Dates)**

2002, BS Chemistry, Wright State University, Dayton, OH

**Professional Society Affiliations (Offices held, Dates, Services to ACS)**

American Chemical Society member since 2003

**Statement:** None.

### Report from Council, continued from page 3

The candidates for Directors-at-Large (2006-2008) are James D. Burke (Retired, Rohm and Haas Company, Pennsylvania), Edwin A. Chandross (MaterialsChemistry, LLC, New Jersey), C. Gordon McCarty (Retired, Bayer Corporation; Adjunct Professor, University of South Carolina) and Frankie K. Wood-Black (Conoco Phillips, Texas).

A special discussion item was again put on the Council agenda for this meeting. ACS President William F. Carroll described the process being used to develop a Society vision hypothesis that is to be tested with members, customers, governance and other interested parties. Dr. Carroll described the methods used to get member input at the national meeting. ACS national meeting attendees reported 15 common themes to be considered as important to the Society's future. Dr. Carroll sought Council input on the most frequent themes: diversity, young people, governance, multidisciplinary, globalization and outreach. Councilors then engaged in a "thoughtful, yet lively exchange" of their vision of the Society's long-term future.

The Board received reports from both the Committee on Professional Training (CPT) and the Committee on Minority Affairs (CMA). CPT briefed the Board on recent training workshops relative to historically black colleges and universities and other African American-serving institutions; and CMA overviewed activities of the ACS Scholars Program. The Board voted to continue the Scholars Program through 2010.

A full report from Council can be found on the Section's website.

Your faithful Councilor, Steve Trohalaki

### Sign up for the Electronic Meeting Reminder!

Is your memory like a sieve? Do you typically remember that you had been looking forward to the company of fellow chemists at an interesting Section Meeting only to realize that instead you had sat through yet another re-run of *Will & Grace* that you've seen like three times already? What you need is a timely, electronic reminder to attend Section Meetings!

In order to facilitate communication between Board and Section Members, we are establishing an electronic mailing list that will be used to remind members of Section Meetings, perform infrequent surveys, and, in the future, for Section Elections. We will strictly follow government mandates for non-profit organizations' electronic mailing lists that ensure e-mail addresses will not be used for spam or any other commercial purpose. So, if you want to be reminded of Section Meetings via email, please e-mail Joy Rogers at joy.rogers@wpafb.af.mil. And, if you change your mind, we will surely remove your e-mail address from the list. E-mail address? What e-mail address?

**2005 Ballot**  
**Dayton Section of the American Chemical Society**

**Instructions:**

1. Mark clearly one candidate for each office.
2. Remove ballot from *Bulletin* and enclose in smaller envelope marked 'Ballot.'
3. Enclose ballot envelope in larger envelope addressed to the Dayton Section.
4. Sign clearly in upper, left-hand corner of Dayton-Section envelope and provide return address.
5. Provide postage and mail so that ballot is delivered by November 15, 2005.
6. A last call for ballots will be made at the start of the Professional Practices Meeting on November 16, 2005.

***Chair-Elect:***

- Dr. Rajiv Berry
  
- Dr. Peter Mirau

***Secretary:***

- Mrs. Kristi M. Singh

Elected officers will serve terms starting in January 2006