



# THE DAYTON SECTION

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

**WEB ADDRESS:**

<http://www.udayton.edu/~acs/>

**2004 DAYTON SECTION OFFICERS****CHAIR**

Dr. Joy Rogers  
255-3808-x3179, joy.rogers@wpafb.af.mil

**CHAIR-ELECT**

Dr. Hilmar Koerner  
904-5091, hkoerner@woh.rr.com

**IMMEDIATE PAST CHAIR**

Dr. Ruth Pachter  
255-6671-x3177, ruth.pachter@wpafb.af.mil

**SECRETARY**

Ms. Lisa Denny  
255-9151, lisa.denny@wpafb.af.mil

**TREASURER**

Dr. Rachel Jakubiak  
255-8979, rachel.jakubiak@wpafb.af.mil

**COUNCILOR**

Dr. Steven Trohalaki  
255-6671-x3118, steven.trohalaki@wpafb.af.mil

**ALTERNATE COUNCILOR**

Dr. Rajesh Naik  
255-3808-x3180, rajesh.naik@wpafb.af.mil

**COMMITTEE CHAIRS****PROFESSIONAL PRACTICES**

Dr. Narayanan Venkat  
255-9117, narayanan.venkat@wpafb.af.mil

**PUBLIC RELATIONS**

Capt. Kathy Fullerton  
255-4476, kathy.fullerton@wpafb.af.mil

**COLLEGE AWARDS**

Prof. Al Fratini  
229-2849, Albert.Fratini@notes.udayton.edu

**HIGH SCHOOL AWARDS**

Mr. Berch Carpenter, 767-7068, berchc@msn.com

**PATTERSON-CRANE AWARD**

Dr. Melinda Greer  
(513) 936-7165, melinda.greer@uc.edu

**BULLETIN EDITOR**

Dr. Steven Trohalaki  
255-6671-x3118 steven.trohalaki@wpafb.af.mil

**INDUSTRIAL RELATIONS**

Vacant

**EDUCATION**

Dr. Paul A. Fleitz  
255-6671-x3105, paul.fleitz@wpafb.af.mil

**INVESTMENT**

Dr. Tom Cooper  
255-6671-x3157, thomas.cooper@wpafb.af.mil

**SECTION CAREER PROGRAM**

Dr. Aaron Burke  
255-6671-3154 aaron.burke@wpafb.af.mil

**GOVERNMENT RELATIONS**

Ms. Lisa Denny  
255-9151, lisa.denny@wpafb.af.mil

**WOMEN CHEMISTS**

Dr. Ruth Pachter  
255-6671-x 3177, ruth.pachter@wpafb.af.mil

**YOUNGER CHEMISTS**

Mr. Jon Slagle  
255-3803-x3152, jonathon.slagle@wpafb.af.mil

**WEBMASTER**

Mr. Jon Slagle  
255-3808, jonathan.slagle@wpafb.af.mil

**NATIONAL CHEMISTRY WEEK COORDINATOR**

Vacant

**BULLETIN****January 2005**

**February 19-20: TechFest 2005** – a celebration of the *Past and Future of Innovation and Creativity* in the Miami Valley, featuring John Fortman demonstrating *The Chemistry of Modern Materials* (see enclosed flyer).

**March 1: Annual Poster Session and Patterson College Chemistry Awards.** ACS President Bill Carroll will be there to help us celebrate our 75<sup>th</sup> Anniversary!

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DATE MATERIAL - MEETING ANNOUNCEMENT - DO NOT DELAY

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American Chemical Society  
Dayton Section  
Eugene M. Kettering Center  
140 East Monument Avenue  
Dayton, OH 45402-1267

## Upcoming Meetings

**MARCH 1:**

**ANNUAL POSTER SESSION  
COLLEGE CHEMISTRY AWARDS  
75<sup>TH</sup> ANNIVERSARY CELEBRATION  
KEYNOTE ADDRESS BY ACS PRESIDENT, BILL CARROLL**

Venue: University of Dayton, Kennedy Union Ballroom  
(see <http://www.udayton.edu/campusmap/map.html>)

Agenda: Poster Set-Up:	5:00 – 5:30 pm
Poster Judging:	5:30 – 6:30 pm
Poster Viewing:	6:00 – 7:00 pm
Awards Presentation:	7:00 – 7:30 pm
Keynote Address:	7:30 – 8:00 pm
Cake Cutting:	8:00 pm



Disclaimer: Image only meant to stir the imagination; 75th Anniversary cake may look substantially different.

*Complimentary food and drink will be provided by the Section.*

### Program:

The Annual Poster Session is a tradition of long standing in the Dayton Section. As last year, we will present four \$100 cash awards for the best undergraduate and graduate poster presentations. The Dayton Section Officers invite you, your colleagues, and students to present a poster relating to any area of chemical research.

The annual Patterson College Chemistry Awards, sponsored by the Dayton Section, will be presented to an outstanding junior chemistry major at each college and university within the Section's boundaries.

The President of the ACS, William Carroll, will help celebrate our achievements as a local ACS section over the last 75 years. He will present his agenda for the upcoming year on issues facing chemists and chemistry as perceived by ACS members, including the following topics: The Public Perception of Chemistry; Pre-college Education and Educators; and How the Chemistry Enterprise in the US is Changing.

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### Call for Abstracts:

Abstracts of 250 words or fewer should be sent by close of business February 25, 2005 to Jon Slagle at [jonathan.slagle@wpafb.af.mil](mailto:jonathan.slagle@wpafb.af.mil). For students, please indicate on the abstract if you would like to be considered for an award and if you are an undergraduate or graduate student. For abstract format, please follow ACS.

## ***Election Results***

While President Bush amassed the most votes ever in a U.S. presidential election (and Senator Kerry the second-most ever), Dayton-Section candidates garnered somewhat fewer totals. The Section received 41 ballots in all – about 10% of the membership.

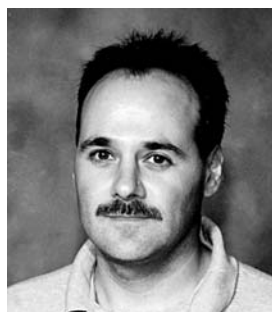
Drs. Hilmar Koerner and Rajesh Naik were unanimously elected Chair-Elect and Alternate Councilor, respectively. Dr. Steve Trohalaki was elected Councilor with 40 votes (one vote was a non-specific write-in combined with an *ad hominem* attack) and Dr. Rachel Jakubiak defeated Dr. Kelly Andersen by the slimmest of margins to become our new Treasurer. Congratulations to all of our newly elected officers!



Hilmar Koerner  
Chair-Elect



Rachel Jakubiak  
Treasurer



Steve Trohalaki  
Councilor  
(current photo not available)



Rajesh Naik  
Alternate Councilor

## ***Call for Volunteers: NCW and TechFest***

We are in need of a *National Chemistry Week Coordinator* to plan section activities for NCW, which is held each year in October. Traditionally, these activities are held at local schools, malls, and museums. Help is available from the NCW Task Force and the Section supports NCW with a significant budget. If you are interested in this position please contact Joy Rogers at (937) 255-3808 x3179 or Joy.Rogers@wpafb.af.mil.

Volunteers are also needed to help at the *ACS booth at TechFest*. You need only commit 2 hours (although more is welcome) on February 19 or 20 to do short chemical demonstrations for school-age children. If you are interested in volunteering, please contact Joy Rogers at (937) 255-3808 x3179 or Joy.Rogers@wpafb.af.mil.

Volunteers are also needed to help with *TechFest onsite registration*. Contact Alva Karl (937) 255-3368 x310 or Alva.Karl@wpafb.af.mil.

## ***The Patterson High School Chemistry Competition***

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### **Attention: High School Chemistry Teachers**

The 2005 Patterson High School Chemistry Competition will be held on March 5<sup>th</sup> at 9:00 AM in room 4011 (in the basement of building 4) at Sinclair Community College. The competition is open to students in Montgomery, Miami, Greene, Darke, Clark, Preble, and Champaign Counties.

The most outstanding student from each school, identified by their scores on a multiple choice chemistry exam, will receive a plaque from the Dayton Section. In addition, each top scorer from the exam may submit an essay on "Chemistry and Its Relevance to Me" for cash awards: \$1000 (1<sup>st</sup> Place), \$500 (2<sup>nd</sup> Place), and \$250 (3<sup>rd</sup> Place). The top 8 students (only 2 from the same school) will also qualify to take the regional Chemistry Olympiad exam for the National Team.

During the examination students will be allowed to use calculators. All other reference charts will be provided. Parking will be available in surrounding student and public parking facilities. There will be no registration fees. All students taking the test must be currently enrolled in and/or have completed a high school chemistry course.

If you wish to learn more about the competition, please contact Mr. Berch Carpenter (High School Awards Committee Chairman) at (937) 848-3737 or e-mail him at [berchrc@msn.com](mailto:berchrc@msn.com).

## ***John Fortman, Dayton Section ACS Volunteer: A Retrospection***

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As John Fortman retires after 9 years as the Section's Councilor, it is fitting to recognize his many contributions to the Section, to the ACS, and to Chemistry.

In 1961, even before joining the ACS, John was President of the Student Affiliates Chapter at the University of Dayton. John was the founding Advisor for the Wright State University Student Affiliates Chapter. John served as Section Treasurer in 1968, Secretary in 1969, Chair in 1971, and Councilor from 1996-2004. As Councilor, John worked on the Local Section Activities Committee and the Constitution and Bylaws Committee. John was the General Chair for the 1981 Joint Central-Great Lakes Regional Meeting and was a consultant for the 1996 Central Regional Meeting .



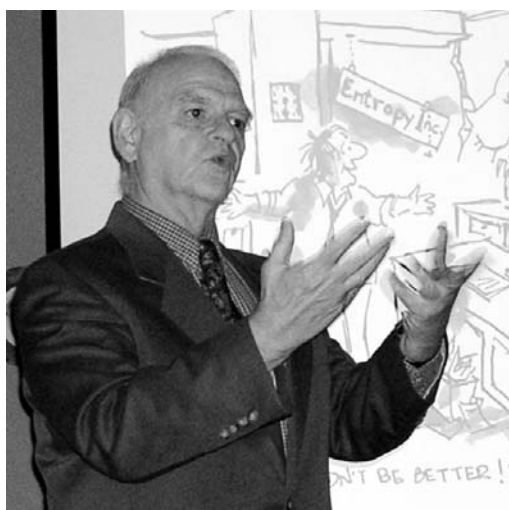
John has been a tireless ACS Tour Speaker since 1991, having completed 57 tours (he's done all 28 ACS tours at least once), in which he's given 277 presentations for 160 of the 188 ACS Local Sections. His tours have taken him to all 50 states, Puerto Rico, and the District of Columbia. John's presentations in the Division of Chemical Education at National ACS Meetings are usually packed with High School teachers and Chem Demonstrator 'wannabes.' At such meetings, it's not unusual to see him accosted by attendees who just want to thank him for helping them inspire a new generation of chemists. The Section is indebted to Professor John Fortman and we thank him with all sincerity for his service.

## ***Previous Meeting: Professional Practices***

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On November 16, 2004, Dayton Section members gathered at the Wellington Grille to felicitate Section members who have attained 50-years as members of ACS. The 50-year members who were present to receive their awards were Mr. Donovan S. Duvall, Dr. Frank Lonadier, Dr. William Lee Lehn, Prof. L. Shelbert Smith, and Prof. Rubin Battino. Two other 50-year members, Mr. Lowell Erbaugh and Dr. Ray Henry Luebbe, could not attend. Each member gave a brief description of the highlights of his career as a chemist. Dr. Rubin Battino gave an entertaining and insightful talk on some of his pioneering accomplishments and concluded the evening with a demonstration of the critical point of CO<sub>2</sub>. In his first stint as Professional Practices Chair, Dr. Venkat Narayanan did a splendid job with meeting arrangements.

Our outgoing officers were also honored for their sustained and dedicated service to the Dayton Section. They include: Lalgudi Natarajan (Immediate Past Chair), Don Phelps (Treasurer), Steve Trohalaki (Alternate Councilor), and John Fortman (Councilor). The Section owes these members a sincere debt of thanks.



Rubin Battino



William Lee Lehn



Shelbert Smith



Frank Lonadier



Donovan D. Duvall

## Message from The Chair

Happy New Year to the members of the Dayton Section of the ACS! I am looking forward to the upcoming year with great anticipation. Not only are we celebrating 75 years as a local section but we are also being honored by a visit in March by the current national ACS president, Bill Carroll. I would like to welcome the newly elected officers including Hilmar Koerner (Chair-elect), Rachel Jakubiak (Treasurer), Steve Trohalaki (Councilor), and Rajesh Naik (Alternate Councilor). One of the critical areas vital to growth of our Society is more involvement of members. We have many programs and ideas but no one to run them. If you are interested in volunteering for your local section, please give me a call at (937) 255-3808 x3179 or e-mail Joy.Rogers@wpafb.af.mil so that I can share the opportunities with you. Or, if you have suggestions, we will be glad to hear them. We look forward to another exciting year of bringing chemistry to our community!

### THOUGHTS TO PONDER

Who gossips with you will gossip of you.  
– Irish Proverb

It's easy to make a buck. It's a lot  
tougher to make a difference.  
– Tom Brokaw

Joy Rogers, Chair  
Dayton Section ACS



Earplugs, anyone?

In order to obtain feedback from Section Members and to encourage dialogue between Members and Section Officers and Committee Chairs, Letters to the Editor will be published in each edition of the Bulletin. Send email to: [steven.trohalaki@wpafb.af.mil](mailto:steven.trohalaki@wpafb.af.mil) or conventional mail to the attention of the Bulletin Editor, Dayton Section ACS, 140 East Monument Ave., Dayton, OH 45402-1267

## SITUATIONS WANTED / JOB OPENINGS

Upon request, the Section will include in the *Bulletin* job openings and confidential situations-wanted postings. Employment seekers should coordinate through the Section Career Program Chair.

### Looking for Creative Chemists

Cornerstone Research Group (CRG), located in Dayton, specializes in R&D of materials and process technologies to enhance our customer's competitiveness. Our focus is on the design and application of state-of-the-art materials for commercial and military markets. CRG is seeking creative scientists to support state-of-the-art R&D.

#### Areas of Interest

- Polymer and inorganic chemistry
- Materials science and nanotechnology
- Chemical and manufacturing engineering
- Aerospace and composite engineering

#### Responsibilities:

- Hands-on research in a laboratory environment
- Communication and reporting of results
- Support of proposals and future business
- Development of technologies and core capabilities
- Championing development of innovative solutions

#### Requirements:

- U.S. citizenship
- BS or MS in a related discipline
- Ability to work with others in a team environment
- Strong written and oral communication skills
- Laboratory skills – experience in synthesis is a plus
- Computer literacy
- Broad knowledge of both science and engineering a plus

Please e-mail a résumé with cover letter to [petriebg@crgrp.net](mailto:petriebg@crgrp.net) or access our web site at:

<http://www.crgrp.net/employment.htm>

**No hard copy résumés or walk-ins, please.**