

Long Range Planning Committee

Ken Turnbull will be Chairing the Long Range Planning Committee for this year and would like input from any Section member who is interested in participating on the Committee and/or has thoughts on this subject.

Patterson Chemistry Competition

The Dayton Section will again sponsor the Patterson High School Chemistry Competition. The Patterson Awards, previously the Thomas-Hochwalt Awards, have a 25-year history in recognizing the top three high school chemistry students in the Miami Valley. The competition consists of a multiple choice examination at 9:00 AM on Saturday, January 30, 1999 at Sinclair Community College in Room 4011 (enter from the basement of Building 4). The outstanding student from each high school as determined by the performance on this exam will be awarded a plaque from the Dayton Section. In addition, the top scores from the exam will be asked to submit an essay on "Chemistry and Its Relevance to Me" for a scholarship award. This year, the awards are \$1000 (First Place), \$500 (Second Place), and \$250 (Third Place). The competition open to students from Montgomery, Miami, Greene, Darke, Clark, Preble, and Champaign counties who either have taken or are currently enrolled in a high school chemistry course. There is no registration fee for taking this examination.

Annual Poster Session

The annual membership poster session will take place on March 10, 1999 in the Kennedy Ballroom, University of Dayton. Last year's event was a great success due to increased participation. Plan now to attend. Remember that student groups who wish to apply for a Dayton Section travel Grant for attendance at an ACS meeting (up to \$300 per Institution) must be present at the poster session. Further details will be available in the March-April Bulletin.


NCW Activities

NCW activities started on Saturday, October 31, with SLIMEfest '98 at the Mall at Fairfield Commons. Ken Turnbull and members of the Wright State University Chemistry Club helped mall shoppers make the popular polymer. Visitors also had the opportunity to use the National Chemistry Week color-changing markers and participate in the poster contest.

The following day, Sunday, November 1, the Dayton Section sponsored a Chemical Demonstration Show at Wright State University. Professor John Fortman started the demonstration with a bang (Hydrogen balloons) and concluded ninety minutes later with an indoor fireworks display. In between he had the audience yelling "National Chemistry Week" in response to his question, "What are celebrating here today?" The demonstration program was a huge success with a standing room only crowd of over 450 and was featured in an article ("Science thrills kids") on the front page of the Metro Section of the Dayton Daily News.

The next weekend, National Chemistry week concluded with Cow Chemistry at the Dayton Museum of Discovery. All of the hands-on experiments for Cow Chemistry - moo glue, bovine globules, and ice cream - involved using milk. In the Science Theater, the Sinclair Community College chemistry club demonstrated liquid nitrogen ice cream to the audience followed by an informal ice cream social. Demonstrations were also performed by chemistry clubs from Centerville High School, Dayton Christian High School, Fairborn High School, Yellow Springs High School, Wright State University, and the University of Dayton. Publicity for Cow Chemistry was based on the popular "got milk?" campaign. A "got chemistry" logo was designed with a cow wearing a lab coat and safety goggles. These activities were also supported by financial contributions from Scitex Digital Printing, Inc. and QCI, a ChemFirst Company.

Member-Services Available

**KINETICA, INC.**
Specialists in Process Chemistry, Chemical Kinetics and Thermochemistry
James M. Pickard, PhD
President
P. O. Box 182
Mansburg, OH 45343-0182
Phone: (513) 836-8652
Fax: (513) 836-8652

**Scientific Research & Development**
6565 Willowick Place, Dayton, OH 45459-3005
Tel. (937) 435-7632
Dr. Sam P. Sinha

Advertise Products and Services in the Bulletin

UNIT SIZE	RATE
Full Page	\$100
2/3 " (vertical).	70
1/2 " (horizontal).	50
1/3 " (vertical).	35
1/6 " (vertical).	20
Business Cards, full year. . .	100

Call Dave Tomlin at (937) 255-3808, x 3181 or email tomlindw@ml.wpafb.af.mil

Need Help in Your Career?

The Dayton Section offers assistance in career planning and searching for new positions. Contact Glen Buell (937) 426-2937.

Others - Services Available

Chemical Analysis Services

- ▲ Materials Identification
- ▲ Product Deformulation
- ▲ Defects/Failure Analysis

**Chemir / Polytech**
Laboratories, Inc.
(314) 291-6620
<http://www.chemir.com>

Call for Nominations

Patterson-Crane Award

Presented by the Dayton and Columbus Sections of the American Chemical Society

Nominations should be sent to:
The Patterson-Crane Award Committee
Judith Watson, Chair
c/o ACS Columbus Section
P.O. Box 3012
Columbus, OH 43210
Closing Date: January 31, 1999

The Patterson-Crane Award

The Dayton and Columbus, Ohio Sections of the American Chemical Society sponsor the Patterson-Crane Award for contributions to chemical information. It is international in scope and given in honor of two outstanding members of the Sections - Austin M. Patterson (1876-1956) and E.J. Crane (1889-1966).

The biennial award consists of a \$2,000 honorarium and a personalized commendation. The award is funded by a bequest of the Patterson family to the Dayton Section, by the Helen G. Crane Fund of the Columbus Foundation, and by the Patterson-Crane Award Fund of the Columbus Section. The Austin M. Patterson Award was established in 1949 by the Dayton Section to acknowledge meritorious contributions in the field of chemical literature and especially documentation of chemistry. Dr. Patterson, the first recipient of the biennial award, was recognized for his leadership in organic chemical nomenclature and his work as editor of Chemical Abstracts. There were 13 additional recipients of this award, including E.J. Crane, who was editor of Chemical Abstracts from 1915-1958. Subsequently, there was a desire to honor and establish an award in his memory. In February 1975 the ACS Board of Directors accepted a proposal by the Dayton and Columbus Sections for a jointly sponsored Patterson-Crane Award. There have been 11 recipients of the joint award.

Criteria for the Award

Nominees should demonstrate outstanding achievement in the field of chemical information. Contributions of international significance may relate to design, development, production, or management of chemical information systems or services; documentation of chemistry, including production of original works, editorial work, or chemical library work; or other chemical information-related areas. It is not required that a nominee be a member of the American Chemical Society.

Nominations

Nominations must be in writing and should include the nominee's contributions to the field and an evaluation of his or her accomplishments. A biography and bibliography of publications and presentations supporting the nomination should be enclosed. Seconding letters are required. The Award Committee must receive one copy of the nomination materials by January 31, 1999. The committee encourages the resubmission of nominations made in 1997. A renomination letter with an update of pertinent activities for the last two years is required.

Presentation of the Award

The award is presented biennially in odd-numbered years during May or June. If appropriate, the award dinner is held in conjunction with a Regional Meeting or a chemical information symposium. In 1999, the award will be presented at a dinner to be held on Tuesday, June 22, 1999, in conjunction with the ACS 31st Central Regional Meeting in Columbus, Ohio. The recipient is expected to give an address at the time of the presentation of the award.

CALL FOR ABSTRACTS

Twenty-Fourth Annual DAYTON-CINCINNATI AEROSPACE SCIENCE SYMPOSIUM

**9 April 1999
Dayton Mall Holiday Inn**

Dayton Section



UD Student Section
WSU Student Section

Ohio Valley Section



Dayton Section



Additional Session Sponsors

The Dayton-Cincinnati Aerospace Science Symposium (formerly the AIAA Mini-Symposium) is designed to facilitate communication between members of the local technical community, and to provide a forum for individuals to sharpen their skills in making technical presentations. All presentations, including time for questions, will be limited to 20 minutes in length. **No written paper is required**, and work in development for other technical venues is welcome. The Symposium program will consist of up to eleven parallel sessions in the morning and afternoon, and includes a guest keynote speaker and luncheon. The Dayton-Cincinnati Section of AIAA will present a iBest Presentation award for each session at the annual Section Awards Banquet in June, 1999.

GENERAL CO-CHAIRS

Dr. James Brandeberry, Dean, College of Engineering & Computer Science, Wright State University
Mr. Corbett Caudill, Vice President of Engineering, GE Aircraft Engines
Dr. Blake Cherrington, Dean of Engineering, University of Dayton
Dr. Kenneth Harwell, Chief Scientist, Air Force Research Laboratory
Dr. Robert Jenkins, Interim Dean of Engineering, University of Cincinnati

ABSTRACTS: All abstracts *must* be submitted in **electronic format by e-mail or on disk** to either of the Executive Co-Chairs listed below. Abstracts should be 250 words or less in length, and include the title, authors, affiliations, and a contact e-mail address. Presentations are solicited in all general areas of aerospace science and technology, including, but not limited to fluid dynamics, propulsion, materials, structures, controls and avionics, combustion, turbomachinery and power. A maximum of 178 abstracts can be accepted on a first received basis. Therefore, it is highly recommended that you submit the title of your intended abstract immediately to reserve your space. **DEADLINE FOR FINAL ABSTRACTS: 15 January 1999.**

FOLLOW-UP INFORMATION: All follow-up information regarding the symposium program will be distributed through electronic mail and flyers, and it will also be posted on the AIAA Dayton-Cincinnati web site at <http://www.ase.uc.edu/~aiaa/>. All abstract submissions will be promptly acknowledged by e-mail.

EXECUTIVE CO-CHAIRS

Dr. Lourdes Maurice	Mauriclq@pr.wpafb.af.mil	AFRL/PRSF, Bldg 490, 1790 Loop Rd. N WPAFB, OH 45433-7251	Phone: (937) 255-5345 Fax: (937) 255-1125
Dr. Mark Maurice	Mark.Maurice@va.af.mil	AFRL/VA, Bldg 45, 2130 Eighth St. WPAFB, OH 45433-7562	Phone: (937) 255-3371 Fax: (937) 255-3438

Please share this information with your colleagues!

The Dayton Section is an official co-sponsor of this event. Dayton Section members are encouraged to participate in the Symposium. Any questions can be addressed to either of the Executive Co-Chairs or to Jim Gord (secretary, Dayton Section, ACS), who will serve as liaison to AIAA for this event.

Commentary

Election Commentary **Ken Turnbull, Immediate Past Chair**

In the recent Dayton Section election, a few members commented on the process. The gist of the remarks were:

- 1) What is the point of an uncontested election? Surely more than one candidate can be found for each office; many people are willing to participate, they need only be asked.
- 2) The lack of candidates indicates how out-of-touch the board is with the membership, reflecting its disparate make-up of academic and WPAFB personnel at the expense of industrial members.
- 3) The board's concern is mainly with padding their individual résumés.
- 4) The board has no interest in providing a program of interest to the membership.

As a board member for the past three years, and twice head of the election nomination committee, I am in a good position to respond to the above comments and charges. First, the national ACS requires us to hold elections, no matter what, even though this is expensive and time consuming. Although we are currently considering ways to streamline the process, we have no choice but to hold the election. Second, while there may be many good people waiting in the wings, it is difficult to identify them unless they step forward to indicate their interest. Having made many phone calls to potential candidates, I can attest to this problem firsthand. We announce in the Bulletin and on our web page that we are seeking candidates but the responses are usually non-existent. Nonetheless, in the past, we have endeavored always to provide a choice but this has led often to the undesirable situation wherein an individual has agreed to stand for election only on the basis that they must not win. Surely, in the absence of a surfeit of willing volunteers, we are better off choosing the few individuals who truly wish to serve. Additionally, on the rare occasions where we have been able to identify two willing candidates for one office, a loss often serves to discourage the loser from further participation.

Many other sections across the country have the same board members year after year and, no matter the size of the section, whether it be 100 or a 1000 members, the same nucleus of 30-40 individuals keeps things going. We are little different and, while this may not be desirable, it is a fact due to a lack of volunteers. In recent years we have tried to increase involvement by creating committees dealing with Careers, Industrial Relations, Women Chemists and Younger Chemists and by providing more section meetings with a greater mass appeal, but the same problems persist. We welcome input from, and/or participation by, any of our members.

Why should members become involved? Contrary to the contention that one's résumé can be padded to advantage by such endeavors, I can attest safely that no one I know, whether board or committee member, receives job credit commensurate with the effort involved. In academia, my area, another research paper or grant will provide a far more salutatory effect than 1,000 hours of outside service and I am sure that the same can be said for government and industrial participants. In the last few years, I have spent innumerable hours at board and section meetings, participating in National Chemistry Week and Career Day activities, typing memos and the 100 page annual report, and as a member or chair of numerous committees. For none of these activities have I (or anyone else) received material remuneration of any kind. At times the sight of the same handful of individuals at most meetings and activities can be discouraging but, for myself and, I am sure I speak for the other board and committee members, the rewards outweigh the penalties.

I am proud to be involved in a section with such a rich tradition and I have enjoyed thoroughly the interactions with motivated colleagues and with the greater Dayton community that this has provided. While ribbon-collecting has not been our aim, the national ACS has recognized our efforts with two outstanding section awards in the past two years. Imagine how much more we could achieve for our community with more member involvement. I encourage you to provide input to the process; otherwise, complaint after the fact is, at best, a pyrrhic victory.

Meetings...

February

- Date:** Wednesday, February 24, 1999
- Place:** Neil's Heritage House
2323 Schantz Avenue
Dayton, OH (corner of Dixie Drive and Schantz)
- Agenda:** 6:00 PM – Social
6:30 PM – Dinner
7:30 PM – Speaker
- Speaker:** Dr. William Jensen
University of Cincinnati
- Topic:** *"Chemistry of Bug-Eyed Silicon Monsters"*
- Reservations :** Reservations must be in, with dinner choice (see below)*, no later than COB Wednesday, February 17, 1999. Reservations can be made via phone (937) 512-2308, FAX (937) 512-5164 (attn: Frank Lonadier, Chemistry Department), or email flonadie@sinclair.edu

*The dinner will be a choice of three: Roast Prime Rib of Beef Au Jus; 10 oz New York Strip Steak; or Salmon with Dill Sauce. All entrees include a baked potato (with sour cream), vegetable medley and fruit pies. The cost of the dinner is \$10.00 for Members and \$5.00 for students, payable at the door. As an added incentive the Board will waive the \$10.00 cost for both, if an attending member will bring a non-attending member. The social will be accompanied by a COD bar.



Musings from the Chair

As January 1, 1999 rolls around, in addition to the all-day football games, I will assume the position of Chair of the Dayton Section of the American Chemical Society. I am looking forward to serving you in this capacity and will make every effort to make this your society. The past year was hectic and rewarding, and I learned much about the Society and the Dayton Section. You should be proud of your Section, we are solvent financially, encourages students, high school and both undergraduate and graduate college students with monetary rewards and has won the Outstanding Section Award two years in a row. On the downside, I would like to see more participation by you, the membership, in the activities of the Section. Trying to convince some of my ACS friends to be elected officials or committee members, they kept telling me how full their plates were. Maybe we should have a full plate contest. And yes, my wife resents the time I spend with the ACS, which tells me we should have more family events. On the masthead, is my email address and phone number with voice mail, so you may contact me at any time with ideas, suggestions, criticisms or other messages. If an answer is required, I will answer it and if not these comments will be published in the Bulletin, without names of course, at a later date. Will address you again: Frank Lonadier, Chair 1999.



THE DAYTON SECTION

DAYTON SECTION'S WEB PAGE ADDRESS:

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

DAYTON SECTION OFFICERS, 1998**CHAIR**

Dr. Frank Lonadier, Chemistry Dept., Sinclair Comm. Coll., Dayton, OH 45402-1460; Office: 512-2308; flonadie@sinclair.edu

CHAIR-ELECT

Dr. Glen Buell, 3548 Eastern Dr., Beavercreek, OH 45432; Home: 426-2937; buell@flyernet.udayton.edu

IMMEDIATE PAST CHAIR

Dr. Ken Turnbull, Dept. of Chemistry, Wright State Univ., Dayton, OH 45435-0002; Office: 775-2671; kturnbul@desire.wright.edu

SECRETARY

Dr. James R. Gord, WL/PRSC, Bldg. 490, WPAFB, OH 45433-7103
Office: 255-7431; gordjr@pr.wpaafb.af.mil

TREASURER

Mr. Keith Grinstead, Jr., Innovative Scientific Solutions, Inc., Dayton, OH 45440; Office: 255-6980; grin@ward.appl.wpaafb.af.mil

COUNCILOR

Dr. John Fortman, Dept. of Chemistry, Wright State Univ., Dayton, OH 45435-0002; Office: 775-2188; jfortman@discover.wright.edu

ALTERNATE COUNCILOR

Dr. Steve Trohalaki, Wright-Patterson AFB, OH 45433
Office: 255-6671, Ext. 3147; trohals@ml.wpaafb.af.mil

PROFESSIONAL PRACTICES COMMITTEE CHAIR

Dr. Dan Ketcha, Dept. of Chemistry, Wright State Univ., Dayton, OH 45435-0002; Office: 775-3230; dketcha@desire.wright.edu

COMMITTEE CHAIRS**MEMBERSHIP COMMITTEE**

Dr. Don Sullenger, 135 Bethel Rd., Centerville, OH 45458; Home: 433-7904; sullengerdb@worldnet.att.net

PUBLIC RELATIONS COMMITTEE

Dr. Steve Trohalaki, Wright-Patterson AFB, OH 45433
Office: 255-6671, Ext. 3147; trohals@ml.wpaafb.af.mil

COLLEGE AWARDS COMMITTEE

Dr. Dennis Flenge, Cedarville College, Cedarville, OH 45314; Office: 766-7949; flented@cedarville.edu

HIGH SCHOOL AWARDS COMMITTEE

Mr. Berch Carpenter, 1700 Spillan Road, Yellow Springs, OH 45387; Home: 767-7068

PATTERSON-CRANE AWARD COMMITTEE

Ms. Margaret Roach; Home: 836-3029; mroach@erinet.com

BULLETIN EDITOR

Dr. Dave Tomlin, Wright-Patterson AFB, OH 45433
Office: 255-3808, Ext. 3181; tomlindw@ml.wpaafb.af.mil

INDUSTRIAL RELATIONS COMMITTEE

Mr. Scott Pardin, Isotec, Inc., 3858 Benner Rd. Miamisburg, OH 45342; Office: 859-1808 x321; Scott.Pardin@mathesongas.com

EDUCATION COMMITTEE

Dr. Paul A. Fleitz, 3030 Fairmont Ave., Dayton, OH 45429; Office: 255-6671, Ext. 3105; Home: 294-4283
fleitzpa@ml.wpaafb.af.mil

INVESTMENT COMMITTEE

Dr. Harold Rosenberg, 3244 Early Road, Dayton, OH 45415; Office: 277-1973; Home: 274-6947

SECTION CAREER PROGRAM

Dr. Glen Buell, 3548 Eastern Dr., Beavercreek, OH 45432; Home: 426-2937; buell@flyernet.udayton.edu

SECTION HISTORIAN

Mr. Doug Hufnagle, TRW Avionics Systems Division, WPAFB, OH 45433; Office: 255-0946; hufnagdj@ml.wpaafb.af.mil

WOMEN CHEMISTS COMMITTEE (Co-Chairs)

Dr. DeLyle Eastwood, Dept. Eng. Physics, AFIT, WPAFB, OH 45433; Office: 255-3636 Ext. 4537; deastwoo@afit.af.mil
Ms. Jennifer Shaw, Scitex DPI, 3000 Research Blvd, Dayton, OH 45420; Office: 259-3758

YOUNGER CHEMISTS COMMITTEE

Ms. Melissa Gannt, Eurand America, 845 Center Dr., Vandalia, OH 45377; Office: 898-9669

WEBMASTER

Dr. Dave Grossie, Dept. of Chemistry, Wright State Univ., Dayton, OH 45435-0002; Office: 775-2210; dgrossie@wright.edu

BULLETIN

January-February, 1999

January-meeting canceled



*"The Chemistry of Bug-Eyed
Silicon Monsters"*
Neil's Heritage House
Wednesday, February, 24, 1999

AMERICAN CHEMICAL SOCIETY**Dayton Section**

Eugene W. Kettering Center
140 East Monument Avenue
Dayton, Ohio 45402-1267

NON-PROFIT ORG.**U. S. POSTAGE PAID****DAYTON, OHIO****PERMIT NO. 517****DATED MATERIAL -- MEETING ANNOUNCEMENT -- DO NOT DELAY**