



THE DAYTON SECTION

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BULLETIN

January – February 2000

TBA

Please watch the webpage for updates.

Joint meeting with the Miami Valley
Astronomical Society

*"Astrochemistry: The Evolution of Organic
Molecules in Interstellar Clouds"*

Boonshoft Museum of Discovery
Tuesday, February 22, 2000

DATED MATERIAL -- MEETING ANNOUNCEMENT -- DO NOT DELAY

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AMERICAN CHEMICAL SOCIETY
Dayton Section
Eugene W. Kettering Center
140 East Monument Avenue
Dayton, Ohio 45402-1267

Meetings...

January

- Date:** TBA...watch the webpage for updates
- Place:** Engineers' Club of Dayton
110 East Monument Avenue
- Agenda:** Assembly of Poster Board Units for the March Members Poster Session.



Musings From the Chair



By the time that you read this, depending upon the efficiency of the U.S. Postal Service, you will be preparing for Y2K or will have survived and entered into the new millennium. (I will now sit back and wait for someone to say that the new millennium starts January 1, 2001.)

As I assume the Dayton Section Chair on January 1, 2000, I want to thank the Board and Committee Chairs for their service and dedication the past year. A special thanks to Frank Lonadier for his leadership as he ends his year as Chair.

Several of the most important meetings of the Dayton Section occur in the winter-spring of the year. These are recognition of outstanding students from area Colleges (April) and High Schools (May or June), and the March Poster Session. The Poster Session is a chance for members to display their accomplishments. Now is the time for you to start planning your poster. If there are any questions, contact me at glen.buell@wright.edu.

About 110 surveys have been sent to members. The purpose is to help the Section understand the requirements of the members and to encourage continuing education. The survey was intended for members with Baccalaureate and some Masters degrees. Unfortunately, the membership listing, supplied by the National ACS, has many errors. I know that some members listed as having only a Baccalaureate degree have earned their Doctorate. If you think that you received a survey in error, check with the National to update your file (www.acs.org; service@acs.org, or phones (800) 333-9511 or (614) 447-3776). Have a Happy New Year! I wonder how many New Year's Day Bowl losses will be blamed on a Y2K bug in the coaching staffs' communication systems.

Glen R. Buell, Chair

February

Date: Tuesday, February 22, 2000

Place: Boonshoft Museum of Discovery

Agenda:** Joint Meeting with the Miami Valley Astronomical Society

Social: 7:00 PM

Talk: 7:30 PM

Special: 8:30 PM 15 minute star show (Wade Allen from BMD)

Speaker: Dr. Yorke E. Rhodes

Topic: "Astrochemistry: The Evolution of Organic Molecules in Interstellar Clouds"

Abstract: At the dawn of the space age in the 1960s, a handful of molecules were known to exist off Earth. Since those days of early robotic exploration of the Moon and Mars, fly-bys with spectroscopy of the outer planets, and radio astronomy of distant areas of our own galaxy and parts of the universe have brought forth a burst of molecular information. About 100 molecules, some new and some known, have been identified to date. What types and kinds of molecules exist? What varieties of molecular species have been found? How did they form, where do they occur, and what mechanisms exist for molecular formation? Can we model and predict what other molecules may occur? How has interstellar organic chemistry evolved?

Biography: Yorke Rhodes received a B.S. in soil chemistry from the University of Delaware in 1957, and then earned an M.S. in organic chemistry in 1959 with William A. Mosher and Darrel Lynch. After completing his Ph.D. at the University of Illinois in 1964 with Prof. James C. Martin, he was a National Institutes of Health Postdoctoral Fellow with Kenneth B. Wiberg at Yale University. He joined the faculty of New York University at the University Heights campus in 1965. He moved to the Washington Square campus in 1973 after a sabbatical leave with Horst Prinzbach at the Universitat Freiburg in West Germany. He was a State Department exchange visitor to Prague, Czechoslovakia, and Zagreb, Yugoslavia, in 1977 and was also Gastprofessor with Ivar Ugi at the Technische Universitat Munchen (TUM) in 1977, followed by a stay in 1978 as Alexander von Humboldt U.S. Senior Scientist Awardee at the TUM with Ugi. Nasa/IEEE Summer Fellowships were held at the Jet Propulsion Laboratories at CalTech in Pasadena with Wes Huntress in 1980 and 1981 (astrochemistry). In 1987, he was professor associate at the Centre d'Astrophysique, Universite de Grenoble, France, with Alain Omont. Rhodes was awarded the Golden Dozen Award for Teaching Excellence in the College of the Arts and Science in 1991, and again in 1996. Professor Rhodes is director of the Dual Degree Program in Science and Engineering at New York University and Stevens Institute of Technology, resides as Professor in a Residence in a University residence hall, and is very active in the New York Academy of Sciences and American Chemical Society local section activities, sponsoring a variety of symposia, poster sessions and other activities for students.

**** (Any section member interested in a subsidized dinner with the speaker should contact John Fortman at 775-2188 or john.fortman@wright.edu by 18 February 2000)**

Volunteers are Needed for Several Positions

NATIONAL CHEMISTRY WEEK COORDINATOR

The National Chemistry Week Coordinator is responsible for setting the schedule of events for NCW, recruiting volunteers, and ordering promotional material from the national office.

PUBLIC RELATIONS CHAIR

The primary duty of the Public Relations Chair is to write press releases about Dayton Section Activities and send them to local newspapers, radio stations, and TV stations. An expense-paid weekend of training is provided at Belmont - ACS's historic manor house and conference center. The cuisine there is highly recommended.

GOVERNMENT AFFAIRS CONTACT

As the Dayton Section's Government Affairs Contact you will work with the ACS Office of Legislative & Government Affairs to promote public policies that advance chemical enterprises and its practitioners, as called for in the ACS Congressional charter.

SECTION ARCHIVIST

Chair a committee now forming to set up Section archives. This will be done in connection with the Wright State University archivist, Dawn Dewey, who is prepared to establish and maintain the Section archives at WSU.


Contact Steve Trohalaki or Frank Lonadier (see masthead) for more information.

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 long history of 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 29, 2000 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.



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

Need Help in Your Career?

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



Upcoming Meetings

Board Meetings:

January 12, 2000

All Board meetings are held at the Kettering Center downtown.