



THE DAYTON SECTION

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BULLETIN

November - December 2001

"Overview of the DoD High Performance Computing Modernization Program"

Cancelled

Thursday, November 1, 2001



"Oxygen"

Wright State University

Wednesday, November 7, 2001



Professional Practices Meeting

Amber Rose Restaurant

Thursday, November 29, 2001

DATED MATERIAL -- MEETING ANNOUNCEMENT -- DO NOT DELAY

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Dayton, Ohio 45402-1267

Meetings...

November

“OXYGEN” A Dramatic Reading

The Chemical Technology Program at Miami University and the Dayton Section of the American Chemical Society are sponsoring a dramatic reading of the play “Oxygen” by Miami University students. “Oxygen” will be performed at noon on Thursday November 1 and at 11am Friday November 2 in Levey Hall Room 100 on the Miami University Middletown campus. A third performance will be held on Wednesday November 7 at 7pm in Room 101 Fawcett Hall at Wright State University. Refreshments will be served at the Wright State performance.

Written by award-winning chemists Carl Djerassi and Raold Hoffman, the action of “Oxygen” alternates between 1777 and 2001 and probes the ethical issues around priority and discovery. From the authors’ Foreword ([Oxygen](#) by C. Djerassi and R. Hoffman, Wiley-VCH, New York 2001, pages V-VI):

“What is discovery? Why is it so important to be first? These are the questions that trouble people in this play. “Oxygen” alternates between 1777 and 2001 - the Centenary of the Nobel Prize - when the Nobel Foundation decides to inaugurate a “retro-Nobel” Award for those great discoveries that preceded the establishment of the Nobel Prize one hundred years before. The Foundation thinks this will be easy, that the Nobel committee can reach back to a period when science was done for science’s sake, when discovery was simple, pure, and unalloyed by controversy, priority claims, and hype...

The Chemistry Committee of the Royal Swedish Academy of Sciences decides to focus on the discovery of oxygen, since that launched the modern chemical revolution. But who should be so honored? Lavoisier is a natural choice, for if there ever was a marker for the beginning of modern chemistry, it was Lavoisier’s understanding of the true nature of combustion, rusting, and animal respiration, and the central role of oxygen in each of these processes, formulated in the period 1770-1780. But what about Scheele? What about Priestley? Didn’t they first discover oxygen?

In a fictional encounter, the play brings the three protagonists and their wives to 1777 Stockholm at the invitation of King Gustav III. The question to be resolved: “Who discovered oxygen?” In the voices of the scientists’ wives, in a sauna and elsewhere, we learn of their lives and those of their husbands... Meanwhile, in the beginning of the 21st century, the Nobel committee investigates and argues about the conflicting claims of the three men. Their discussions tell us much about whether science has changed in the last two centuries.

The ethical issues around priority and discovery at the heart of this play are as timely today as they were in 1777.”

A free teacher’s guide is available by contacting Dr. Susan Marine at (513) 727-3372 or by e-mailing her at mariness@muohio.edu. Please contact Dr. Marine if you will be bringing a class to one of the performances or for more information.

December

Professional Practices Meeting

Date: Thursday, November 29, 2001

Place: Amber Rose Restaurant
1400 Valley Street
Dayton, Ohio

Agenda: Social: 6:30 PM (Cash Bar)
Dinner: 7:00 PM

Program:

During its annual Professional Practices Meeting, the Dayton Section has traditionally honored those of its members, who, during the year, have attained 50 years of membership in the ACS. This year's new 50 year members are Mary T. Ryan and James A. Webster. The members will be afforded the opportunity to address the group, speaking about his or her career in chemistry. However, the honorees will be allowed to remain silent, if desired!

In addition to the 50 year honorees and their guests, all members with more than 50 years, and members with 5, 10 and 25 years of ACS membership are encouraged to attend. Of course, all other members of the Dayton Section are invited as well. Although no attendee will be required to speak, neither will anyone be asked to not speak! Please join your fellow members of the Dayton Section, ACS, and learn what is in store for 2002.

Reservations:

For dinner reservations, (required by 19 November) contact Harvey Paige at 937-767-2305 or paigehl@muohio.edu. We will order from the Amber Rose menu, which features something for everyone. It specializes in eastern European dishes. If you wish to have a sample menu or a map to the restaurant, please contact Harvey.

Future Meetings 2002

<i>February</i>	<i>TBA</i>
<i>March</i>	<i>Poster Night/College Awards Night</i>
<i>April</i>	<i>Dr. Suzanne Lomax (Art Conservation)</i>
<i>May</i>	<i>Career Night (Tentative)</i>
<i>June</i>	<i>High School Awards</i>
<i>September</i>	<i>Frank Bates (Art of Beer Brewing)</i>
<i>October</i>	<i>Career Night (Alternate)</i>
<i>November</i>	<i>Professional Practices</i>
<i>December</i>	<i>Social</i>

Election Time Again

Call for nominations for Officers for 2002.

We are still looking for nominations for Chair-Elect and Secretary for 2002. Please consider this your opportunity to get involved. Contact Dave Tomlin 255-3808x3181 or David.Tomlin@afrl.af.mil



From the Chair

The tragic events of September 11 have had a devastating impact on our nation. The Chair joins people and groups everywhere in mourning the loss of life, and in hoping that the world is not entering a period in which cycles of violence engulf all of us. Our national leadership has asked us to resume normal activities, and the Dayton Section will make every effort to do so.

Dr. Joseph Nagyvary was scheduled to present his research on Stradivarius violins at our September 11 meeting. That visit fell victim to the terrorist attack. We hope to reschedule Dr. Nagyvary's visit in 2002. There have also been other changes in the anticipated schedule, including the cancellation of the October meeting. Thus, our next meeting will be a special occasion, a dramatic reading of the play, *Oxygen*, at Wright State University on November 7. Details on that program are given elsewhere in this issue of the Bulletin.

We will continue our practice of celebrating 50 year ACS members at our December meeting. On December 6, we will meet at Elinor's Amber Rose for that dinner meeting. As has been the practice, we are also inviting, as special guests, members with 5, 10, and 25 years, and more than 50 years, membership in the ACS. Even if you are not in one of these special categories, we hope you will be able to join us on November 29. It will be good food with good company.

Finally, as I finish my term as Chair of the Dayton Section, I express my gratitude to the Section for the opportunity to serve. I thank my fellow officers, members of the several committees, and numerous others whose work and attendance have made our programs and activities so very successful during the past year.

Please join us on November 7 and 29. Please also consider becoming involved in Section leadership and/or Committee activities. The Dayton Section is your link to the American Chemical Society and to the local community of chemists and chemical engineers. Your input is desired.

Harvey L. Paige, Chair

Spotlight on the NCW Coordinator

Dr. Susan Sonchik Marine is Dayton Section's local National Chemistry Week coordinator for 2001. Susan is an assistant professor at Miami University Middletown. She earned her M.S. in analytical chemistry and Ph.D. in physical chemistry from Case Western Reserve University while she was working full-time in the gas chromatography department at the Sohio Research Center. She has managed an environmental laboratory near Washington, D.C. and in 1983 she had the opportunity to design a new gas chromatograph and joined IBM's team as an Advisory Engineer in Danbury, CT; the team received an IBM award for the new instrument. She received another IBM award for successfully demonstrating the use of Electron Beam Proximity Printing for submicron lithography in the manufacturing environment. Dr. Marine has published 36 technical articles in the areas of gas chromatography, environmental analysis, instrument design and testing, and microlithography and has four patent applications.

Susan has been active in local and national professional societies including ACS, ASTM, and ISP. She has been National Chemistry Week coordinator for Vermont, the Yakima Valley (WA), and central/eastern Kentucky for a total of nine years. She was also chair-elect, chair, and past chair for the Green Mountain Section (1989-1992). Dr. Marine is currently the national president of Iota Sigma Pi, the national honor society for women chemists, after being active locally and nationally for that organization. She has been listed in Marquis' Who's Who in the World since 1986.



National Chemistry Week

Celebrate National Chemistry Week at the Boonshoft Museum of Discovery with a variety of chemistry activities sponsored by the Dayton Section. ChemFest is scheduled Saturday, November 3 from 12:00-4:00 and Sunday, November 4 from 1:00-4:00. This year, scientists of all ages will enjoy learning about chemistry in the kitchen through hands-on activities and special demonstrations. New this year is "Chemistry for Little Learners" with special programs for 6 and under. ChemFest is free with regular museum admission. For more information, contact the museum directly at 275-7431.

Also refer to the ACS website (www.acs.org/ncw) for a list of activities and articles on chemistry and art appropriate for school children and families. This month's issue of Journal of Chemical Education has some excellent articles as well.