

The Chemical Record

Volume 45, No. 2 March, 2003

Columbus Section of the American Chemical Society, Inc.

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COLUMBUS SECTION ANNOUNCES 2003 CHEMISTRY TEACHER OF THE YEAR AWARD WINNER

By Jeffrey Bracken

The Columbus Section of the American Chemical Society is proud to announce Mr. Philip A. Lampe as the recipient of the 2003 High School Chemistry Teacher of the Year. Phil teaches at Upper Arlington High School where he has taught regular, honors, and advanced placement chemistry for the past 19 years.

Phil has also worked since 1992 with Ohio Wesleyan University as a middle school summer science camp instructor. Phil has advised many research students, and he and one of his students were selected to attend the prestigious International Science and Engineering Fair at Disney World. He has been advisor for 14 years for the highly successful "In the Know" team at UAHS, and his chemistry students regularly compete in the Chemistry Olympiad competition. Phil has served as a contributing author for Glencoe's 2002 "Matter and Change" textbook.

Phil's teaching philosophy focuses on problem-solving, and he strives to have his students apply basic chemistry concepts through the use of open-ended laboratory activities. While introduced to this teaching strategy by former UAHS chemistry teachers Gary Sweitzer and Ray McCutcheon, Phil has truly made the course his own, according to chemistry teacher Peggy Sheets. Phil's easy-going personality allows him to guide students through these open-ended experiments by responding to questions with additional questions. By redirecting the students' questions, he encourages them to rethink their logic and head in a slightly different direction. His colleagues at UAHS refer to him as a "master teacher" and the Columbus Section of the ACS is proud to name Mr. Philip Lampe as its 2003 High School Chemistry Teacher of the Year.

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Phil will be honored by the Columbus Section of the ACS at its March 19th meeting that will be held at the Fawcett Center, The Ohio State University. Phil will receive a check for \$600 and a \$100 donation will be made the Upper Arlington High School in Phil's name.

MEETING NOTICE

COLUMBUS SECTION OF THE AMERICAN CHEMICAL SOCIETY, INC.

Meeting # 784

Wednesday, March 19, 2003

at The Fawcett Center - The Ohio State University

2400 Olentangy River Road

Columbus, OH 43210-1027

614-292-1342

6:00 PM Reception.

6:30 PM Dinner Buffet. Chef's Choice salad, Sourdough Loaf, Fresh Vegetable Du Jour, Potato or Rice, Dessert, beverages, and choice of entrees: Pecan Encrusted Chicken Breast, Flounder with Crabmeat Stuffing and Mornay Sauce, or Vegetable Lasagna.

7:45 PM Program.

Presentation of High School Chemistry Teacher of the Year Award to Mr. Philip A. Lampe, Upper Arlington High School.

Lecture: Chemical Education in K-16: Growing a Science Literate Populace.

Speaker: Dr. Susan Olesik, OSU Chemistry Dept. and Coordinator, Wonders of our World Program

Cost: \$20.00, Members and nonmembers. \$18.00 Retired, emeritus and unemployed members. \$5.00 Students. High School Chemistry Teachers are Guests of the Section, but still need to make reservations. If you can not attend the dinner, the Program is free and open to all.

Reservations: Please use the NEW voice mail reservations service, by calling 614-447-3600 x 7047. Follow template for reservations*. Alternatively, please send email to Anton Heyns: aheyns@cas.org.

To cancel a reservation please call Anton Heyns, 614-447-3600 x 3546. Reservations not cancelled by the deadline must be paid in full. Thank you.

Reservations Deadline: Friday, March 14, 2003.

***VOICE MAIL TEMPLATE:**

- First and Last Name: Please spell last name.
- Member category: member, retired, emeritus, unemployed, student, HS Teacher, other.
- Employer.
- Your Phone number: in case we need to contact you.

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5:00 P.M. Executive Committee Meeting - The business meeting will take place in the Battelle Rooms, at CAS. All members are welcome.

Directions to Fawcett Center:

Take route 315 to Lane Ave. exit. Go E to Olentangy River Rd. Turn L (north). Go to Fawcett Center.

Park in guest spaces, enter building through S entrance. Please sign-in at ACS Hospitality table.

About the Topic: "Chemical Education in K-16: Growing a Science Literate Populace."

In an effort to cover the important details of the science that they are required to teach some times chemists and scientists in general forget to include the teaching of the adventure involved in the pursuit of science research and to include the incredible satisfaction gained from discovering new understanding. This presentation will describe two new Science and Chemistry Education initiatives that Professor Olesik began. Firstly, there is considerable documentation on the fact that students are turned away from science long before they have the opportunity to take interesting courses in high school such as Chemistry or Physics. The Wonders of Our World (W.O.W.) project is an effort to increase the enthusiasm for science by showing elementary school students how much fun science can actually be.

This is a science outreach effort that involves volunteer scientists assisting elementary school teachers with hands-on, inquiry-based science experiments. Secondly, Olesik has begun changing the nature of her own college-level Chemistry courses as well. The progress toward developing college-level hands-on, project-based courses will be described and will be connected to research in the science education literature that supports Chemistry Education moving toward more inquiry-based teaching. In addition, an open invitation will be made to allow other chemists to consider joining the W.O.W. project or for high-school teachers to consider linking to the project-based course changes that Olesik has initiated.

About the Speaker: Dr. Susan Olesik received her A.S. in Chemistry from Vincennes University, Vincennes IN, in 1975, a B.A. in Chemistry from DePauw University, Greencastle IN, in 1977 and her Ph.D. in 1982 from the University of Wisconsin-Madison. Her field of study was analytical chemistry--mass spectrometry. She was a postdoctoral fellow at Indiana University and at the University of North Carolina at Chapel Hill. She has been a faculty member at The Ohio State University since 1986, being promoted to Associate Professor in 1992 and Professor in 1997. In 1987 she received the American Society for Mass Spectrometry Research Award; in 1990 she received the Eli Lilly Research Award; in 1998 she received a Commendation from NASA for work on Cassini-Huygen's Probe; and in 2000 she received the AWISCO Woman in Science Award.

Dr. Olesik is very much involved in W.O.W: A Collaborative Science Education Program between Active Scientists and Elementary School Teachers. This program is a successful example of implementing partnerships among Scientists, academia, and educators right here in Columbus. Visit the WOW website for details: <http://wow.osu.edu/>.

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COLUMBUS TECHNICAL SOCIETY AWARDS BANQUET

By Lucile E. Decker

ACS members. Come and meet the outstanding high school science students at the Columbus Technical Society Awards Banquet. The Banquet is April 30, Wednesday, with social hour at 6:00 pm and dinner at 6:30 pm. It will be held at the Clintonville Women's Club on N. High Street. Price of the dinner is \$15.00.

Please email your reservations to ehlerta@SquareD.com. Indicate your menu choice from beef, lemon-flavored chicken, or vegetable lasagna. Reservations are due by April 20.

PETITION PROPOSAL

By Don Songstad

The petition to increase funding for Divisions and Local Sections would distribute 20% of the ACS member dues collected based on the relative number of memberships in 2000 with a corresponding split of 55% for Local Sections and 45% for Divisions. This would provide a modest increase in support to Local Sections and a significant increase in support to Divisions. Guidelines for funds distribution would be made by Local Section Activities Committee (LSAC) and Divisional Activities Committee (DAC) with approval of Council.

Collaboration of Local Sections and Divisions

Inclusion in the Council agenda for the Spring ACS National Meeting is this petition for Division and Local Section funding. The Local Section Activities Committee (LSAC) and the Divisional Activities Committee (DAC) worked together in supporting and recommending passage for this funding.

Ways are now being looked at for more collaboration of Local Sections and Divisions. Possible ways of enhancing interactions may include: the availability of the Division Activity Blue Book, which lists members of the Division Executive Committee, to assist in contacting officers of a particular Division; Divisions making recommendations of ACS Tour Speakers within their membership; Local Sections inviting members active in Divisions to their Local Section meetings; Local Sections identifying areas of programming that would benefit from Division involvement; and awards for successful Division and Local Section collaboration.

If anyone has suggestions or comments in promoting Local Section and Division interactions, please let me know.

Don Songstad, Columbus Section Councilor
e-mail dsongstad@cas.org
member Divisional Activities Committee
member Local Section and Division Working Group on Cooperative Ventures

NOTE FROM THE EDITOR

We welcome your contributions to your *Chemical Record*. Please submit them via postal or electronic mail to George Greene, PO Box 360941, Columbus, Ohio 43236-0941, george.greene@abbott.com. Electronic mail contributions should be in plain-text messages or

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in Word 97 (or earlier release) file attachments. **Please note that the deadline for submissions for the April Chemical Record is FRIDAY, MARCH 14, 2003.** Thank you very much!

2003 COLUMBUS SECTION ACS CALENDAR OF EVENTS

Compiled by Maria Rosenthal

March

Wed. 19 Meeting at Fawcett Center - High School Chemistry Teacher of the Year

April

Thurs. 10 Meeting - College Junior and Senior Awards

Thr-Fri

24-25 Chemistry Olympiad - High School Students National Test

Wed. 30 Columbus Technical Council Banquet at Clintonville Women's Club

May

Sat. 3 State Science Day - OSU Schottenstein Center

Wed. 14 Patterson-Crane Award - Blackwell Inn, OSU (Tentative)

October

TBA ACS President-Elect visits the Columbus Section

19-25 National Chemistry Week

December

TBA Joint meeting with the Columbus Chapter of the American Institute of Chemical Engineers

CHANGE OF ADDRESS

Changes in postal or e-mail address should be reported to the Membership Chair:

George Noethlich
2740 Bella Via Avenue
Columbus OH 43231-2305
e-mail gnoethlich@wideopenwest.com

George will forward the change-of-address information to ACS Headquarters.

THURBER THEATRE TO PRESENT PLAY WRITTEN BY NOTED CHEMISTS

Contributed by George Noethlich

Oxygen, a play by Carl Djerassi and Roald Hoffmann, will be presented in Thurber Theatre at The Ohio State University: Feb. 26 at 7:30 pm; Feb. 27-28, March 1, 4-8 at 8 pm; March 1 at 2 pm. The play centers around the idea of awarding a "Retro-Nobel Prize" to the discoverer of oxygen and features a discussion as to whether the recipient should be Antoine Lavoisier, Joesph Priestley, or Carl Wilhelm Scheele. For more information or to order tickets, phone 614-292-5821 or check the website at

http://the.ohio-state.edu/2_productions/level_3_productions/productions/2002_03_season/oxygen.htm.

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