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**HIGH SCHOOL CHEMISTRY  
TEACHER OF THE YEAR**

*by Maria Rosenthal*

Ms. Pauline Shaw, Chemistry Teacher at Worthington Kilbourne High School has earned this prestigious award by the Columbus Section of the American Chemical Society (ACS).

Ms. Shaw is being recognized for her approach to teaching chemistry by integrating knowledge with everyday life and for her involvement with colleagues in continuing education for science teachers in the Central Ohio area. In addition, Pauline serves as the Coordinator of the Chemistry Olympiad,

an annual competition sponsored by the ACS that selects top chemistry students to represent the United States in the International Chemistry Olympiad.

Ms. Shaw has collaborated with Prof. Bashiel Smith at Capital University. She co-authored two articles that were published in 1999: "How Should Technology Be Integrated in the Pre-service Science Teacher Curriculum?" and "In the Pre-service Science Teacher Classroom - Safety and Confidence".

Ms. Shaw credits her colleagues at Worthington Schools. She states: "The integrated BESS program that introduces students to science in Worthington provides a foundation that allows chemistry the degree of success that we experience. I know one teacher can never be a measure of success so I would have to give the credit to the science staff that I am a part of."

In the words of Ms. Chris Allen, also a Chemistry Teacher in the Worthington School District, "Pauline is the driving force in the chemistry program. She helped write the curriculum for the new Physical Science in Everyday Life course and prepares and encourages her students to pursue careers in the chemical sciences".

The Columbus Section of the ACS will honor Ms. Shaw and all High School Chemistry Teachers in Central Ohio, by hosting a reception and banquet on Wednesday, March 13, at Capital University. Reservations required.

Please see details at:  
[www.acscolumbus.org](http://www.acscolumbus.org).



**29<sup>th</sup> ANNUAL REACTION  
MECHANISM CONFERENCE  
COMING TO COLUMBUS!**  
*by Christopher M. Hadad*

The 29th Reaction Mechanisms Conference will be held Friday, June 28 through Tuesday, July 2, 2002 on the campuses of The Ohio State University and Chemical Abstracts Service in Columbus, Ohio. This distinguished conference has held a position of long-standing significance in mechanistic chemistry since its founding 55 years ago. This year's conference promises to provide both a stimulating scientific program and a delightful conference venue.

Detailed information about the upcoming meeting can be found at:

<http://www.chemistry.ohio-state.edu/rmc>

The conference presentations and poster sessions will be held in McPherson Laboratory of the Department of Chemistry at The Ohio State University and on the campus of the Chemical Abstracts Service, a division of the American Chemical

Society.

Plenary speakers for the scientific program include Weston T. Borden (Washington), Barry Carpenter (Cornell), Charles Casey (Wisconsin), Peter Chen (ETH Zurich), Ian Davies (Merck), Chuck Doubleday (Columbia), Sharon Hammes-Schiffer (Penn State), Dave Hughes (Merck), Judith Klinman (Berkeley), Wolfram Sander (Bochum), Dick Schowen (Kansas), William Tolman (Minnesota), Frank Turecek (Washington), Vicki Wysocki (Arizona), Evan Williams (Berkeley), and Robert Williams (Colorado State).

REGISTRATION for the Reaction Mechanisms Conference (Friday, June 28 through Tuesday, July 2, 2002) in Columbus, Ohio is also now available on our web site.

The URL for registration is:

<http://www.chemistry.ohio-state.edu/rmc/registration.html>

Conferees should pay registration fees by check. Further information can be found on the registration receipt that will be generated upon completion of the registration form.

We look forward to seeing you at the conference this summer.

## HUBBARD SPEAKS ON ETHICS OF REPRODUCTIVE BIOTECHNOLOGIES

The Association for Women in Science of Central Ohio with support from Ohio State University, Capital University, and the Columbus Technical Council presented the 7th Conference on Ethics in Science, Technology, and Medicine at OSU on March 19. Dr. Ruth Hubbard gave the keynote lecture. Hubbard, who is Professor Emerita of Biology at Harvard University and coauthor of "Exploding the Gene Myth" among other popular books spoke on "Human Reproduction in the Age of Biotechnology." In her talk she described the development of in vitro fertilization technologies and contrasted the lack of regulations thereof in the US as compared to Western European countries. OSU Provost Edward J. Ray gave introductory remarks and a panel discussion followed Dr. Hubbard's lecture. Panelists were OSU Professors Michael Weinstein, Molecular Genetics, Louise Antony, Philosophy, and Suzanne Damarin, Education. Richard Levin, Professor of Biology at Oberlin College was also in the panel.

An article on Dr. Hubbard appeared on the Columbus Dispatch on Sunday, March 24, page 4D. The conference is now accessible with Real Player at <http://streaming1.osu.edu:7070/ramgen/media/awisco/awisco6.rm>

## YCC KICK OFF EVENT

The Younger Chemists Committee held its 2002 Kick Off Event on February 28th at Capital Resin. There were seven in attendance, including Biketi Wabuyele (Ashland Chemical), Paul Guevin, Bob & Karen Kroshefsky (The Scotts Company), Anna Corradi and Anne Hawking (Lab Support), and Srini Ganesan (OSU Chemical Engineering grad student). The group was led on a tour of the plant and laboratory facilities, after which we enjoyed pizza and fellowship. Special thanks to Jim Bull, General Manager; Paul Brown, Health & Safety Coordinator; and Sherry Cline, Director of Human Resources at Capital Resin for volunteering their time and hospitality to make this event successful.

### Upcoming YCC events:

#### **April 11th-** "Careers in Chemistry"

Panel Discussion, 6-8pm, McPherson Hall, Ohio State University

\* This will consist of 6 or 7 panel members from a variety of chemistry-related careers, giving a brief overview of their job, career path, education, and helpful hints for anyone just getting ready to enter the job market, or considering a different career path using their scientific background.

#### **May 14th** Environmental Molecular Science Institute (EMSI) 6-8pm Ohio State University

Research presentations & discussion on topics in Environmental Chemistry - More info to follow soon! (*cont'd*)  
We are in immediate need of two volunteers to help out with YCC activities.

The first position would be a YCC co-chair. The time commitment required for this includes one or two evenings per month, plus a few additional hours per month helping to coordinate activities. This person would be co-chair for the remainder of 2002, then would take over as chair in Jan. 2003. Getting started helping now will make the transition much easier at the end of the year. The other vacancy is for someone who enjoys putting together web sites. The Columbus YCC needs to get a presence online, and I have no clue where to begin with this type of thing! If you are good at this or know someone who is, let me know! The time commitment would be several hours up front (or however long it takes to put a site together), then only a few hours per month after that to add announcements of upcoming events, etc.

Please contact Anne Hawking, [columbus@labsupport.com](mailto:columbus@labsupport.com), for more information on any YCC-related announcements.

### COLUMBUS TECHNICAL COUNCIL AWARDS BANQUET

You are invited to attend the Columbus Technical Council Awards Banquet on Wednesday, April 24<sup>th</sup>, 2002. The purpose of this awards banquet is to honor the outstanding senior science student at each of the Central Ohio high schools, to choose one of these students as the outstanding senior science student of the year and to honor the "Technical Person of the Year" from the nominations submitted by the societies belonging to the Columbus Technical Council. In addition, the ACS will present an award for the best research paper in chemistry. Our guest

speaker will be Carl Kohrt, the Battelle CEO, who will talk about education and technology. Your support for the awards banquet will encourage these students to pursue careers in science. **The awards banquet will be on Wednesday, April 24<sup>th</sup>, 2002 at the Clintonville Women's Club**, located at 3951 N. High street (north of the Park of Roses) starting at 6:00 P.M. The cost of the dinner will be \$15.00. Dinner choices are herb creamed chicken, roast beef, or vegetarian lasagna. *For reservations, please call Jerry Boone at 614-891-4126 by April 12, 2002.*



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### THE SECTION NEEDS YOU!! OPPORTUNITIES FOR INVOLVEMENT IN SECTION ACTIVITIES:

We currently have a number of needs and positions open, thanks for considering how you can contribute to

your local section by reviewing the positions listed below. The greatest need currently is for someone with HTML experience who would enjoy doing web updating and design, along with Stephen Renner. This will be good experience for a college student or other young chemist, but we are glad to get web assistance from any age group!

Industrial Innovations Award  
Position Open

Long-Range Planning  
Position Open

Nominating Committee  
Position Open

Visiting Scientists  
Position Open

Please feel free to contact Sherry Hemmingsen or any of the other officers if you would like to learn more about any of these positions and how you can help or can refer someone to us.

### **CALL FOR ARTICLES!**

We would like to start to publish at least one or two feature articles for each month on research being done in your group in academics or industry, on a topic of interest to you in chemistry in which you could share some interesting facts to a more general audience in Chemistry, a local company discussing their current focus and plans for future development, or something along these lines. Please contact [sherry.Hemmingsen@varianinc.com](mailto:sherry.Hemmingsen@varianinc.com) if you are interested in contributing such information. Submissions for The Chemical Record can be made to Max Ink at [onwardstudio@copper.net](mailto:onwardstudio@copper.net).

## **Calendar**

### **April**

2<sup>nd</sup>, Presentation of Outstanding College Junior and Senior Undergraduate Chemistry Student Awards;

Dr. Suzanne Quillen Lomax, National Gallery of Art Reception and meeting at the Columbus Museum of Art 11<sup>th</sup>, Careers in Chemistry Panel Discussion, at OSU, 6-8 PM, lead by YCC

### **May**

Columbus Section Award  
Recipient and Speaker: Professor Ozkan,  
OSU Department of Chemical Engineering  
Planned for early in month...be on lookout for details soon!

11<sup>th</sup>, State Science Day

### **June/July/August**

Crew or Clippers game as a group  
Relay for Life event  
Picnic with Pops and Fireworks with "speaker" on fireworks  
Picnic Family Event, at a park, cookout event with games, etc.

### **September**

19<sup>th</sup>, "*The Chemistry and Alchemy of Brewing*"  
Dr. Robert P. Bates, University of Florida

**October**

24<sup>th</sup>, Dr. Elsa Reichmanis, ACS  
President-Elect  
Reception, dinner and meeting at CAS

26<sup>th</sup> – Nov. 2<sup>nd</sup>, National Chemistry  
Week

**November**

Industrial Innovations Talk, Battelle  
Speaker

**December**

Meeting hosted by AIChE, information  
coming soon

Other Events to Watch Out for....

**CAREER DEVELOPMENT AND  
COUNSELING OPPORTUNITIES:**

We are working with Jean Parr, ACS Department of Career Services, and Richard Bretz, a trained career counselor, to design a series of presentations/events throughout the year on career development and transitioning. Some events will target younger chemists who are just getting started or beginning to think more seriously about career options and other programs will be tailored to more mature chemists who are interested in keeping their profile fresh and/or transitioning to a different career. The first of these is a **Careers in Chemistry Panel which will be held at OSU on April 11<sup>th</sup>, 2002, from 6-8 PM.** We know many of you may have valuable experiences to share and we are interested in involving section members in the presentations. *If you are interested in participating in the panel for April, we still need 5 more*

*participants, so please contact Anne Hawking ([ahawking@hotmail.com](mailto:ahawking@hotmail.com)).*

**Summer Fellowship:**

You may have noticed that we have listed a number of events during the summer months. Relaxing and getting to know each other in a casual atmosphere is important to how we function as a section, and basically, is just fun! We are hoping to encourage more family participation in these months and more opportunities for younger chemists to socialize. *We need to start planning these events and are looking for some folks to help with coordinating. Let us know if you want to help.*

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5 - 10 YEARS COMPOUNDING/FORMULATING EXPERIENCE  
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**CONTACT:** **Mike Aquino, CPC**  
**Technical Recruiter**  
**maquino@callos.com / aquino98@cannet.com**  
**Office: (800) 344-7091x102 / 330-280-3432**

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**Send news, announcements, letters, opinions, etc. to Max Ink**  
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