

PHILADELPHIA SECTION, ACS 2006 CALENDAR OF EVENTS

Date	Event	Location
March 8	Chemical Consultants Network, <i>Creative Thinking and Innovation in Consulting</i> , Dr. Michael Bigwood and Mr. Donald Koestler	Cynwyd Club Bala Cynwyd, PA www.chemconsultants.org
March 9	Society of Plastics Engineers: <i>Polymers on Sports Equipment Minitech</i>	http://phillyspe.plastics.com/
March 16	Plant Tour, Rohm and Haas Company, Bristol, PA	Philadelphia Section, AIChE Aiche-philadelphia.org
March 18	Women Chemists Committee: <i>Expand Your Horizons Program for Sixth Grade Girls</i>	Chestnut Hill College Philadelphia, PA
March 23	Edgar Fahs Smith Lecture Robert Bergman, Univ. of Calif., Berkeley	University of Pennsylvania Philadelphia, PA
March 26-30	ACS Spring National Meeting	Atlanta, GA
April 19 (note this is a Wednesday)	Dr. George Rossman, California Institute of Technology: <i>Chemistry to Modify Gemstones</i> Scholastic Achievement Awards	McCall's Conference Ctr. Upper Darby, PA
April 25-27	ACS ProSpectives Conference: <i>Process Crystallization in the Pharmaceutical & Chemical Industries</i>	Philadelphia, PA www.acsprospectives.org
May 18	Wyeth-Penn Lecture: Carolyn Bertozzi, University of California, Berkeley	University of Pennsylvania Philadelphia, PA
May 25	Teaching Awards Dr. Zafra Lerman, Director, Institute for Science Education and Communication, Columbia College, Chicago	TBA
June 4-7	ACS Middle Atlantic Regional Meeting (MARM)	Hershey, PA
June 15	Fifty-Year Member Recognition Madeleine Jacobs, Executive Director, ACS	Chaddsford Winery Chadds Ford, PA



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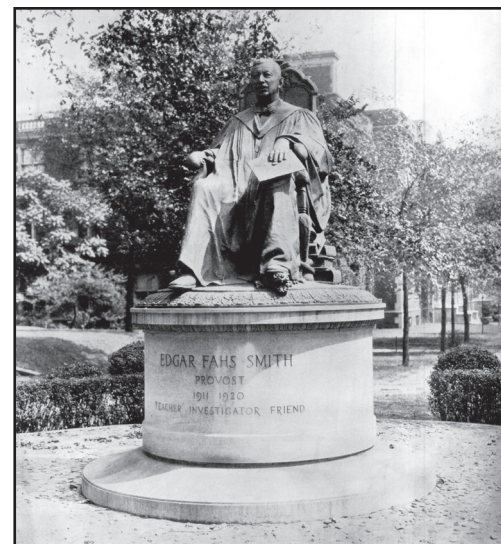
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the Catalyst

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Edgar Fahs Smith

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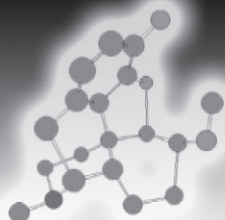


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ADVANCE NOTICE

APRIL MEETING

Dr. George R. Rossman

California Institute of Technology

Chemistry to Modify Gemstones

and Presentation of Scholastic Achievement Awards

WEDNESDAY, April 19th, 2006

(Please note the change of date)

See the APRIL issue of *the Catalyst* for details,
call the Section Office at (215) 382-1589, email PhilaACS@aol.com

From The Chair

Deborah E. Kilmartin



This morning when I was eating my cereal with “real fruit” I thought how much fun I could have by writing the cereal company and complaining that my cereal was really old because all the “real fruit” was dried up in my bowl. Sometimes being silly can also be fun. Not that I would actually do that, but it would be interesting to see the faces on the staff that would have to respond to my letter. And then it occurred to me (morning not being my best time for rational thought), I wonder if that’s why chemists forward those annoying “Beware of chemicals” emails. You know, the ones that warn you of dioxins dripping into your food when you microwave plastics, asbestos in children’s crayons, lead in lipstick, soy products causing thyroid cancer, etc. I’m constantly amazed at the esteemed chemists that pass these on to me. The only reason I never thought of it as a joke before is that there was never a personal message attached, like a “haha” or “fofl.” Could it be that other chemists believed the urban legends and wannabes they were passing along? I sincerely hope not.

If you receive an email with a dire warning against chemicals, I suggest you check it out at many web sites that list urban legends. My personal favorite is www.snopes.com that not only tells you if it’s true or not but tries to track the genesis of such scare-E-mails. If you really have time on your hands or you like to be sure, I find that government and product site pages are helpful. Once you’ve looked into a few of these, you will be able to detect a scare-E-Mail very quickly. The chemical ones generally have a “toxin du jour,” an “authority,” and lots of content that indicates what a bad person you are if you ignore this warning. Often, keyword searching on the authority is enough to let you know it’s a bad

joke—usually there isn’t any such person or any such institute or there is such a person but located somewhere else entirely.

So why should you care? Because by spreading these erroneous emails, we help to terrorize non-chemists with the mention of any chemicals, we propagate bad chemistry, and we do ourselves harm as well. So if you have to send those emails to me, please send them with a “haha” attached. And please, please don’t send them to my sister who will always believe that herbal medicine and “all natural” products contain no chemicals whatsoever! I don’t want to try to explain that plastics contain phthalates and it’s the burning of paper and wood products like charcoal briquettes that create tiny amounts of dioxins....

On another note, I have been talking about “Enhance Your Career—Volunteer” in previous columns. So the next question is, how does networking help me in my career? Well, it provides a wide base of experts to call on the next time you need chemical expertise outside, or even inside your field. But another thing it can provide is an outside mentor, one who isn’t tied into your company and possibly threatened by your career. This useful person can give you expert career move advice and serves as a safe sounding board for your ideas and problems. I have benefited by having both corporate and outside mentors in my career and you could too. I hope to see you at a section meeting soon.

And speaking of section meetings, this month is the Edgar Fahs Smith Memorial Lecture, in honor of Dr. Smith, a former President of the American Chemical Society and Provost of the University of Pennsylvania. Our lecturer, Robert Bergman of University of California at Berkeley, will be speaking on “Selective Metal-Mediated C-H bond Activation and Organic Pericyclic Reactions in Water-Soluble Host-Guest Media.” If you have never come out to a section meeting, this one will be a good one to start with. As always, dinner is optional but the lecture is free. I hope to see many of you at Penn on March 23rd!

Finally the winners were announced: the three Undergraduate Section Award winners were: Ryan Centafont of Temple University, Kendall Mahanna of Villanova, and Allison Pymmer of Temple University. The two Undergraduate Kilmartin Award winners were Kerry Salandria of St. Joseph Univeristy and Huyen Tran of Temple University.



Graduate Award Winners: L. to R.: Alpa Patel, Esther Lee, Catherine Faler, Sara E. Mason, and Mohamed Afial.

The graduate awards were presented to the following students. The EssTech Award for Polymer and Materials Science was presented to Mohamed Afial of Drexel University. The Award from “Service is Our Business” was presented to Alpa Patel. The William Penn Memorial Award was presented to Sara E. Mason of the University of Pennsylvania. The Award from the Dupont Central Research Biochemical Sciences & Engineering Division was presented to Esther Lee of the University of Pennsylvania, and the largest prize award from Rohm and Haas Company was presented to Catherine A. Faler, also of University of Pennsylvania.

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JANUARY POSTER AND CAREER SESSION A SUCCESS

At the January meeting at the Villanova Conference Center, 48 students presented 45 posters. This largest-ever poster session included a wonderful career services workshop, and 5 graduate and 5 undergraduate posters received awards.



Photo of the career session with ACS presenter Dr. Valerie Kuck.

Dr. Valerie Kuck, the workshop speaker, brought a lot of experience and ACS materials to eager job seekers. Besides her Powerpoint and expressive presentations, she also brought copies of ACS Career Management publications. For more information on careers, use <http://chemistry.org/careers> or call 1-800-227-5558 and ask for the Department of Career Services. If there is enough demand, a second session will be held later this year, perhaps at Drexel University.



Undergraduate winners: L. to R.: Kendall Mahanna, Kerry Salandria, Allison Pymer, Huyen Tran, and Ryan Centafont.

SPEAKER BIOGRAPHY AND ABSTRACT

Dr. Robert G. Bergman

Biography: Robert G. Bergman was born in Chicago, IL, on May 23rd, 1942. After completing his undergraduate studies in chemistry at Carleton College in 1963, he received his PhD at the University of Wisconsin in 1966 under the direction of Jerome A. Berson. Bergman spent 1966-67 as a NATO Fellow in Ronald Breslow's laboratories at Columbia, and following that went to the California Institute of Technology as a Noyes Research Instructor. He was promoted to assistant professor in 1969, associate professor in 1971, and full professor in 1973. He accepted an appointment as Professor of Chemistry at the University of California, Berkeley, in July 1977, and moved his research group to Berkeley about a year later. In 2002 he was appointed Gerald E.K. Branch Distinguished Professor at Berkeley.

Bergman was trained as an organic chemist and spent the first part of his independent career at Caltech investigating the mechanisms of organic reactions. He also developed methods for the generation and study of unusually reactive molecules, such as 1,3-diradicals and vinyl cations. In 1972 he discovered the thermal cyclization of *cis*-1,5-hexadiyne-3-enes to 1,4-dehydrobenzene diradicals. In the 1980s this transformation of ene-diyne was identified as a crucial DNA-cleaving reaction in several antibiotics that bind to nucleic acids, and the ene-diyne reaction is now often referred to as the "Bergman cyclization." In the mid-1970s Bergman's research broadened to include organometallic chemistry. Since moving to Berkeley he has made contributions to the synthesis and chemistry of several types of organotransition metal complexes and to improving our understanding of the mechanisms of their reactions, focusing on migratory insertion and oxidative addition reactions, the chemistry of new dinuclear complexes, the investigation of organometallic compounds having metal-oxygen and -nitrogen bonds, and the reactions

of organotransition metal enolates. He is probably best known for his discovery of the first soluble organometallic complexes that undergo intermolecular insertion of transition metals into the carbon-hydrogen bonds of alkanes, and most recently he has been involved in the application of C-H activation reactions to problems in organic synthesis.

Recent honors include: the American Chemical Society Arthur C. Cope Award in 1996, and a Guggenheim Fellowship as well as the American Institute of Chemists Chemical Pioneer Award in 1999. In the Spring of 1999, he was a Distinguished Visiting Professor at the University of North Carolina at Chapel Hill. In 2001 he received the Edward Leete Award for Teaching and Research in Organic Chemistry, and in 2002 the UC Berkeley Department of Chemistry Teaching Award. In 2003 he was named recipient of the ACS James Flack Norris Award in Physical Organic Chemistry and received the Monie A. Ferst Award from the Georgia Institute of Technology chapter of Sigma Xi. He received an Award for Excellence in Technology Transfer from the Lawrence Berkeley National Laboratory in 2005.

At Berkeley Bergman has served as Vice-chair of the Department of Chemistry (1985-87) and three times as Assistant Dean of the College of Chemistry (1987-91, 1996, and 2004-present). Recently he has been a member of the Editorial Advisory Boards of the *Journal of Organic Chemistry* (1980-83; 1996-1998), and *Organic Letters* (1999 - present). He has served on Chemistry Department Review Committees for the California Institute of Technology, the University of Nevada at Reno, the University of Michigan at Ann Arbor, Harvard University, Rutgers University, and North Carolina State University.

Abstract: *Selective Metal-Mediated C-H Bond Activation and Organic Pericyclic Reactions in Water-Soluble Host-Guest Media:* Several cationic organic and organometallic complexes have been shown, in a collaborative study, to bind into the cavities of water-soluble container molecules (or "nanovessels," constructed earlier by the K.N. Raymond

Continued on page 39

MARCH MEETING

THE PHILADELPHIA SECTION,
AMERICAN CHEMICAL SOCIETY
and

UNIVERSITY OF PENNSYLVANIA
present

Selective Metal-Mediated C-H Bond Activation and Organic Pericyclic Reactions in Water-Soluble

Host-Guest Media

Dr. Robert G. Bergman

University of California—Berkeley

Thursday, March 23rd, 2006

6:00 PM

Carolyn Hoff Lynch Lecture Hall, Chemistry Building,
University of Pennsylvania
34th and Spruce Streets, Philadelphia

Social hour 5:00-6:00 PM in the Alumni and Faculty Hall of Fame,
Chemistry Building, University of Pennsylvania

Dinner following the lecture at the White Dog Café, 3420 Sansom Street
Dinner + Social Hour cost: \$55.00; Students with reservations and ID: \$28.00.
Cost for Social Hour only: \$5.00; Students with ID: \$3.00.

DINNER SPACE IS LIMITED TO THE FIRST PEOPLE TO SIGN UP
and should be made by calling Mrs. Libby Harper at the Section Office, (215)
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Cancellations, if necessary, cannot be accepted after NOON on Tuesday, MARCH
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NOMINATIONS INVITED PHILADELPHIA SECTION AWARD

The Philadelphia Section invites its members and regional and topical groups to consider recommending candidate(s) for the Philadelphia Section Award.

This Award recognizes an individual, "who, by conspicuous scientific achievement through research, has made important contributions to man's knowledge and thereby aided the public appreciation of the profession." Any member of the ACS, Philadelphia Section may be nominated for this award. Recent awardees include R. Pasternack (Swarthmore College 2005), M. Therien (U. of Pennsylvania, 2004), G. Molander (U. of Pennsylvania, 2003).

INSTRUCTIONS

(1) The nominator should provide detailed biographical data of the nominee, showing educational and employment data, a list of publications and a record of other accomplishments pertinent to this award.

(2) One or two seconding letters (at least one of which should be from a person in an organization other than that of the nominee) should be requested in support.

(3) Nominators and seconders should be identified with addresses and telephone numbers so that they can be contacted, if necessary, for additional information.

(4) Unsuccessful nominees from previous years may be renominated. In fairness, however, renominations must be accompanied by an updating of the nominee's biographical data and list of accomplishments in order to make the nomination competitive. Unsuccessful nominees who have been considered three years in a row should not be renominated for the fourth year in succession without prior consultation by the nominator with the chair of the Awards Committee.

Nomination forms are available from the Section Office. Contact the Administrative Secretary, Mrs. Libby Harper at: Philadelphia Section, ACS, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323, (215) 382-1589; email PhilaACS@aol.com.

The completed packet of nomination materials should consist of 9 COMPLETE SETS, and should be sent by April 3rd, 2006 to Dr. David J. Cichowicz, Chair, Awards Committee, at the section office address above.

METTLER 2006 Food Science Analysis Education Grant

This grant will be awarded at the 2006 annual meeting of the Institute of Food Technologists (IFT). This will be the second Food Science grant awarded by METTLER TO-LEDO. The grant, which consists of analytical equipment and accessories, will be awarded to an educational institution in the US or Canada that awards degrees up to the PhD level and provides education in food science.

Written applications for the 2006 grant are due by April 30th, 2006. Organizations interested in competing for the grant are required to submit a written application, detailing how

the food science instrumentation grant will enhance the education of current or future food scientists at their institutions. Requests for applications and all questions should be directed to George McLean, Instrument Market Manager, METTLER TOLEDO, at 1900 Polaris Parkway, Columbus, OH 43240, 1-800-METTLERx4853, Fax 614-985-8061, foodsciencegrant@mt.com. Applications can be downloaded at www.mt.com.

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the one year Director term. J. Nikelly needs to be replaced as an Alternate Councilor. It was moved, seconded and passed unanimously that the Board ask K. Lysko to serve as Alternate Councilor for a one year term.

Nominations

M. Cichowicz reported that the MARM alternate delegate's (Eric Williamson) term expired in 2005. As Eric is willing to continue for 2006-7, it was moved, seconded and passed unanimously to appoint him for another term for 2006-7.

For the Section Awards Committee: A. Addison has agreed to serve for the Inorganic area, and D. Koestler has agreed to reappointment in Chemical Engineering for 2006-2008. Moved, seconded and passed unanimously that the Board accept A. Addison for the Inorganic area, and D. Koestler in Chemical Engineering for 2006-2008 terms on the Section Awards Committee.

Education

T. Straub reported that only 3 schools participated in 2 age groups in the NCW poster contest. Due to lack of interest, he recommends dropping the event.

Salary

The Board discussed and approved bonuses for Penn Chemistry Department staff.

Meeting was adjourned at 7:45 PM.

Respectfully submitted,

Carol Carr

Secretary

BOOK REVIEW

Alan Warren

Nanotechnology for Dummies by Richard Booker and Earl Boysen. 362 + xviii pages, 7 1/4 by 9 1/4 inches, soft covers, perfect bound, Wiley Publishing, Inc., Hoboken NJ, 2005, \$29.99, ISBN 0-7645-8368-9.

This is one of a series of popular texts designed to make technical subjects accessible to a wider audience. The authors point out that the reader does not need a degree in physics or chemistry to understand the subject. Nano is the Greek word for "dwarf" and specifically means one billionth. A nanometer (nm) is one billionth of a meter.

The concept underscores this approach to technology where nanoscale research and development are carried out, resulting in systems, processes, reactions, and materials that are already transforming lives around the world. To put the technology into perspective, red blood cells are 5000 nm wide, a virus is 50 nm, a strand of DNA is 2 nm wide, and a hydrogen atom is 0.1 nm.

Nanotechnology involves studies in the 1-100 nm range, creating materials with novel properties due to their small size, and permitting the control of processes at the atomic level. The science cuts across many disciplines including physics, chemistry, engineering, biology, medicine, and computer science.

Using the concept of "tiny" the authors discuss atomic structure, particle theory, spectroscopy, and various forms of microscopy as an aid to understanding the evolution of small-scale technology. A buckyball (buckminsterfullerene) is 1 nm, and these tiny 60-carbon atoms have been used to develop antioxidants, drug delivery techniques, and medical imaging.

More complex structures such as nanotubes and nanowires are used to create improved transistors and memory devices. Nanofibers and composites lead to new materials and fabrics. Nanosensors detect compounds present in the parts per billion range.

The authors demonstrate how nanotechnology has already impacted our lives, and will continue to do so even more in such fields as fuel cells, environmental cleanup, improved speed and capacity of computers, and advances in medicine.

Profiles of pioneers in this new field of science, sources for learning more about nanotechnology, and a glossary of terms conclude the book, bringing the reader a better understanding of the technology that increasingly affects so many aspects of our lives.

DELAWARE VALLEY SCIENCE FAIRS

The Delaware Valley Science Fairs will be coming up shortly. Judges and mentors are always needed. Check the website www.dvscf.org for more information and to volunteer.

Continued from page 37

group) from metal salts and dicaticholate bridging ligands. Among these are reactive Ir(III) complexes that undergo Ir(III)/Ir(V) C-H oxidative addition reactions (discovered earlier by the R.G. Bergman group) when they are encapsulated in the nanovessels in aqueous solution, leading to the first nanovessel intracavity C-H activation reactions. Substantial size and shape selectivities have been observed in these reactions. More recently, aza-Cope and other pericyclic rearrangements have been found to proceed in the nanovessel cavities. The ability of the products of these reactions to undergo rapid hydrolysis results in our ability to carry out the reactions in a catalytic fashion. The nanovessels catalyze the rearrangement/hydrolysis of the aza-Cope substrates with nearly 1000-fold rate acceleration. Mechanistic studies have shown that in addition to size- and shape restrictions on binding cations into the nanovessel cavities, nanovessel-guest external ion-pairing also plays an important role in determining the rates of these reactions. Exploratory reactions on other types of reactions that can be carried out in the nanovessel cavities will also be discussed.



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Typical volunteer assignment requires one to two hours a month. Training (both formal and informal) is provided.

philaacs@aol.com

or 215-382-1589

NEWS ATOMS

HONORS

Russell W. Phifer, vice president and technical director of WC Environmental, received the Tillmans-Skolnik award of the division of Chemical Health and Safety. The honor recognized Phifer's many years of outstanding service to CHAS. He chaired the ACS Task Force on Laboratory Environment, Health and Safety, and founded the CHAS Training and Workshops Committee. He also served the division in many capacities including secretary, councilor, and chair.

Marge Matthews, past Editor-in-Chief of *the Catalyst*, received the Meritorious Service Award of the ACS Division of Chemical Information. She was recognized for her many years of service to the CINP division. Marge joined the volunteer staff of the division's newsletter and was named Assistant Editor in 1977 and Editor in 1982, serving in that capacity through 1994, whereupon she was elected division treasurer.

Matthews also served on the CINP membership and nominations committees and is currently on the awards committee. Her work on *the Catalyst* includes 25 years as a proof-editor, which she continues to do.

Paul S. Anderson was named the 2006 Priestley Medalist of the ACS. The award, established in 1923, recognizes distinguished service in the field of chemistry and is the Society's highest honor. Anderson's career spanned nearly 40 years in the pharmaceutical industry working for Merck, DuPont-Merck Pharmaceutical, and Bristol-Myers Squibb.

He served on many ACS committees and boards and is a past president. He received the Perkin Medal in 2002 for his work in drug discovery and medicinal chemistry and has chaired the Division of Medicinal Chemistry as well as sessions of the Gordon Research Conference. In 2003 he was honored with the National Academy of Sciences award for chemistry in service to society.

Have a contribution for News Atoms?
Email Philcatalyst@aol.com.

DEATHS

Gideon A. Rodan, retired biochemist formerly with Merck, January 1st at 71. Born in Romania and educated in Israel, he taught at the University of Connecticut before he and his wife joined Merck where he established the Bone Biology and Osteoporosis research department. He helped develop the drug Fosamax for treating osteoporosis.

Hubert J. P. Shoemaker, biochemist who helped establish the Philadelphia area's first biotech company Centocor in 1979, January 1st at 55. Although he battled brain cancer for over ten years he continued to chair Centocor and work with a new company that he established, Neuronyx. In 2005 he received Pennsylvania Bio's lifetime achievement award for his work on monoclonal-antibody technology. Born in the Netherlands, he was educated at Notre Dame and MIT and worked for Corning Glass's medical division before returning to the Philadelphia area.

A RETROSPECTIVE VIEW OF DRUG DISCOVERY

The 2006 ACS Middle Atlantic Regional Meeting (MARM) is honored to have Dr. Paul Anderson, the 2006 Priestley Medalist and 1997 president of ACS, present a plenary lecture. Dr. Anderson is a distinguished chemist, with nearly 40 years in the pharmaceutical industry, contributing to the discovery of numerous pharmaceutically important compounds, including HIV drugs Crixivan and Sustiva, the cholesterol lowering drug Zocor, and glaucoma treatment Trusopt. Along with being a leader at Merck, Dupont Pharmaceuticals, and Bristol-Myers Squibb, he has also served on scientific advisory boards at smaller pharmaceutical companies, such as Acadia and Achillion. His achievements and service to chemistry have been recognized with many honors and awards including: the 2003 National Academy of Sciences Award for Chemistry in Service to Society, the 2002 Perkin Medal, and the 1995 E.B. Hershberg Award.

The 2006 MARM will be held June 4-7, 2006 in Hershey, PA. For more information visit us at <http://www.marm2006.org>.

CHEMICAL CONSULTANTS NETWORK

Visit our web page at www.chemconsultants.org

Creative Thinking and Innovation in Consulting

Dr. Michael Bigwood and Mr. Donald Koestler

Abstract: Mike and Don will share ideas and concepts of ways to enhance your effectiveness as a consultant. Powerful examples will be presented. You will have the opportunity to demonstrate your consulting/technical skills in an interactive exercise.

Date & Time: Wednesday, March 8th, 2006. Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM.

Reservation: To make or cancel a dinner reservation, email CCNReservations@aol.com or call the Section Office at (215) 382-1589. Fee, including food and beverages, is \$35. Early Bird discount price is \$25 if reserved by Thursday, March 2nd.

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA.

KitchenAid The Book and The Cook
and the
Chemical Heritage Foundation
present:

Professor Robert L. Wolke
Author of *What Einstein Told His Cook:*
Kitchen Science Explained
and *Washington Post* food columnist

"Chemical Abuse in the Kitchen"

24 March 2006
Lecture 6:00 p.m.
Dinner 7:30 p.m.
\$50 per person*

Dinner by Chef Mitch Prenskey and The Global Dish Caterers
For more information or to register for the event, please visit www.chemheritage.org.



315 Chestnut Street
Philadelphia, PA 19106
215.873.8202

*includes wine, tax and gratuity

577th BOARD OF DIRECTORS' MEETING Tuesday, December 13th, 2005 Williamsons Restaurant Horsham, PA

This is the edited version of the minutes. A full copy of the minutes can be obtained from the Section Office.

Board Members Present: B. Baker, C.J. Bruner, C. Carr, M. Cichowicz, D. Cook, E. Davis, D. Kilmartin, G. Preti, J. Summers-Gates, K. Shaginaw, T. Straub, V. Tortorelli.

Also: R. Gates, D. Cichowicz, L. Harper, D. Thomas.

Excused: R. Acchione, C. Bentzley, A. DeMasi, F. Goodson, G. Molander, J. Nikelly, D. Voet.

The meeting was called to order at 6:21 PM.

Minutes were distributed previously. V. Tortorelli moved (M. Cichowicz seconded) to approve the minutes as amended. Passed unanimously.

OFFICERS' REPORTS:

Chair

D. Cook reported on several communications/announcements.

Chair-Elect

D. Kilmartin reported that the Ulyot awardee for 2006 will not be Mario Molina; R. Cicerone is being asked. Nominees are requested for women as candidates for National ACS awards.

Secretary

No report.

Treasurer

C.J. Bruner distributed fund reports. She noted that the Ulyot fund paid the Chemical Heritage Foundation around \$6,000 for Ulyot Lecture expenses. To preserve the fund, the Section should only expend 5% of the total value of the Ulyot fund each year. This needs to be clarified with the Chemical Heritage Foundation in the future. The report was accepted unanimously.

COMMITTEE REPORTS:

Finance Budget and Audit

No report.

Tellers

T. Straub shared information on electronic balloting. It was noted that the bylaws need to be changed to allow e-balloting. D. Kilmartin has also investigated electronic mailing systems. She distributed information on one system: LiteMail and asked the Board to review this for the next meeting.

Re the past election: the Section needs a Director and an Alternate Councilor. A. DeMasi is now secretary and her Director's term runs for another year. It was moved, seconded and passed unanimously that J. Summers-Gates fill

JUMPSTART YOUR CAREER

Want a simple way to jumpstart your career? Then volunteer for a committee or two. The following are looking for a "take charge" person to develop the committee and it's program. Training (both formal and informal) is provided:

✓ Public Relations

The following committees are looking for new "take charge" chairs as well as members:

- ✓ Career Services
- ✓ Chemical Health and Safety
- ✓ Diversity
- ✓ Industrial Relations
- ✓ Legislative Liaison
- ✓ Liaison
- ✓ Membership
- ✓ Planning
- ✓ Public Relations
- ✓ Social
- ✓ Student Affiliate Mentor

The following committees are looking for new and returning members:

- ✓ Awards
- ✓ Continuing Education
- ✓ National Chemistry Week
- ✓ Program
- ✓ Publications
- ✓ Tellers
- ✓ Web Page
- ✓ Younger Chemists
- ✓ Women Chemists

And past volunteers, especially officers, are invited to work on the Section's Work Manual.

To volunteer to chair or to join a committee, email Deb Kilmartin at kilmartind@msn.com

or contact the Section Office at philaacs@aol.com or 215-382-1589.

Put "Volunteer" in the subject line or leave a detailed message including contact information and the committee or committees you'd like to try.