

# PHILADELPHIA SECTION, ACS 2005 CALENDAR OF EVENTS

Date	Event	Location
May 4	Delaware Valley Mass Spectral Topics Discussion Group Graham Cooks	TBA science.widener.edu/svb/msdg
May 11	Chemical Consultants Network	Cynwyd Club Bala Cynwyd, PA
May 16	Philadelphia Society of Plastics Engineers Annual Golf Outing	Scotland Run Golf Club, Williamstown, NJ phillyspe.plastics.com
May 19	<b>Mary Virginia Orna</b> <b><i>The History of Chemotherapy and Teaching Awards</i></b>	<b>Chemical Heritage Fdn.</b>
May 22-25	Middle Atlantic Regional Meeting	Rutgers University Piscataway, NJ
May 26	Phila. Organic Chemists' Club Scott Sieburth Temple University <i>Silicon-Based Protease Inhibitors: Efficacy and Chemistry</i>	University of Pennsylvania
June 16	<b>Fifty-Year Luncheon</b>	<b>Chaddsford Winery</b> <b>Chadds Ford, PA</b> Washington, DC
Aug 28-Sept 1	ACS Fall National Meeting	
September 15	<b>Section Meeting</b>	<b>TBA</b>
October 20	<b>Philadelphia Section Award</b>	<b>TBA</b>
November 9	<b>Ulyot Lecture</b> <b>Maryanne Fox</b>	<b>Chemical Heritage Fdn.</b>
December 10	<b>Chemical Demonstrations for Children of all Ages</b>	<b>TBA</b>



At the San Diego National Meeting, l. to r., Mr. George Cowperthwaite, Dr. Sharon Haynie, Mrs. Carol Jean Bruner, Dr. Anthony Addison, Dr. William Carroll, 2005 President of the American Chemical Society, Dr. Madeleine Joullie, Mrs. Anne De Masi, Dr. Cheryl Martin, and Dr. Georgia Arbuckle-Keil.

Section's Web Page: <http://membership.acs.org/p/philadelphia>

## *the Catalyst*

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### Advertising Index

ACS	68,72,75,79
Chemir Analytical Services	79
Chemo Dynamics LP	73
Delaware Valley College	66
Desert Analytics	78
DuPont Analytical Solutions	78
Gateway Chemical Technology	79
Huffman Laboratories	79
ISSI Laboratories, Inc.	77
MASS VAC, Inc.	73
Micron Inc.	77
NuMega Resonance Labs, Inc.	79
PTI Research, Inc.	77
Robertson Microlit Labs.	70
Schwarzkopf Microanalytical	77
Scientific Bindery	78
Shining Star Coaching	77
Structure Probe, Inc.	78
Tyger Scientific Inc.	77
Yasui Seiki Co. (USA)	78

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## BIOGRAPHY

### Mary Virginia Orna, O.S.U.

Sister Mary Virginia Orna, O.S.U. (Order of Saint Ursula) is Publications Coordinator of the *Journal of Chemical Education* and Professor of Chemistry at the College of New Rochelle and former Director of Educational Services and Editor of *Chemical Heritage* magazine at the Chemical Heritage Foundation, Philadelphia. She received her BS from Chestnut Hill College and her MS and PhD in analytical chemistry from Fordham University. She has lectured and published widely in the areas of color chemistry and archaeological chemistry. Her articles have appeared in the *Journal of Chemical Education*, *Color Research and Application*, *Studies in Conservation*, *Analytical Chemistry*, *Microchemical Journal*, *Journal of Biological Chemistry*, *American Chemical Society monographs*, and various other journals. She has also authored numerous book chapters, encyclopedia articles, and ten books.

She is active in several divisions of the American Chemical Society, having served as Chair, Program Chair, and Treasurer of the Division of the History of Chemistry and Chair and Treasurer of the Division of Chemical Education. She is currently serving as ACS Councilor and on an elected national committee of the Society. She served as Treasurer and Member of the Examinations Institute Board of Trustees of the Division of Chemical Education for the past twelve years. She was also Program Chair for the 14th Biennial Conference on Chemical Education which was held at Clemson University in August 1996. She is a 1984 recipient of the Chemical Manufacturing Association's Catalyst Award for excellence in college chemistry teaching, the 1989 CASE (Council for the Advancement and Support of Education) New York State Professor of



the Year and National Gold Medalist Award, a recipient of the 1989 Merck Innovation Award, the 1996 Western Connecticut ACS Section's Visiting Scientist Award, the 1996 recipient of the James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry, and the 1998 recipient of the Association of Women in Science (New York Section) Award. In 1999, she received the ACS George C. Pimentel Award in Chemical Education, the highest chemical education award bestowed in the US. She has presented plenary lectures and named lectureships on at least ten different occasions. She is currently President of "ChemSource, Inc.," a major effort in chemistry teacher preparation and enhancement funded by the National Science Foundation.

(continued on page 71)

## ABSTRACT

### The History of Cancer Chemotherapy

Cancer chemotherapy is one of the most common and well-known weapons in the arsenal of modern medicine, but not many people realize that it has its roots far in the past. Dioscorides and Galen early recognized the occurrence of malignant tumors, and they list many topical and internal medications, extracted from plant sources, that they recommended to their patients. Modern medicine has drawn upon some of the discoveries from ancient and medieval medicine and, building upon naturally occurring molecules, has developed semi-synthetic methods that improve upon what nature has given us. This talk will outline these developments and cite some important modern examples.

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Nominees for this award may come from any professional setting: academia, industry, government or other independent facility. ACS local sections and divisions also are eligible for nomination. The awardees will have increased the participa-

tion and leadership of persons from diverse and underrepresented minority groups, persons with disabilities, and women through mentoring, hiring, promotion and/or other activities that lead to greater inclusiveness within the chemical sciences.

These awards are for each of the Regional Meetings taking place in the calendar year. For information please contact Stephanie R. Allen, ACS Department of Diversity Programs, (800) 227-5558, ext. 6262.

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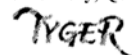
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### Middle Atlantic Regional Meeting Steering Committee

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## MAY MEETING

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The Philadelphia Section,  
American Chemical Society

presents

**Mary Virginia Orna**  
**College of New Rochelle**

### *The History of Cancer Chemotherapy*

and

### Presentation of Section Teaching Awards

**Thursday, May 19, 2005**

**7:30 PM**

Chemical Heritage Foundation  
315 Chestnut Street  
Philadelphia, PA

Social Hour: 5:00 - 6:15 PM in the Ulliyot Meeting Hall/North

Dinner: 6:15 PM in the Ulliyot Meeting Hall South

Awards Presentation: 7:15 PM in the Ulliyot Meeting Hall/South

Speaker: 7:30 PM in the Ulliyot Meeting Hall/South

Dinner Cost: \$45.00; Students with Reservations and College ID: \$23.00

**DINNER RESERVATIONS** should be made by calling Mrs. Libby Harper at the section office, (215) 382-1589, or emailing PhilaACS@aol.com by **5:00 PM on Thursday, May 12<sup>th</sup>**. **Cancellations**, if necessary, cannot be accepted after **NOON on Tuesday, May 17<sup>th</sup>**. **UNCANCELLED RESERVATIONS WILL BE BILLED.**

**PARKING:** Reduced rate parking with validation from the Chemical Heritage Foundation is available at the Bourse Garage on 4<sup>th</sup> Street between Chestnut and Market Streets (next to the Ritz Theater). Parking is also available at the garages under Independence Mall between 5<sup>th</sup> and 6<sup>th</sup> Streets, and at 2<sup>nd</sup> and Walnut. Public Transit: SEPTA suburban trains stop at Market East, 11<sup>th</sup> and Market Streets, a 15-minute walk to the Chemical Heritage Foundation. The Market-Frankford subway has stations on Market Street at both 2<sup>nd</sup> and 5<sup>th</sup> Streets. Directions can be found on the Chemical Heritage Foundation website, [www.chemheritage.org](http://www.chemheritage.org).

The Board of Directors will meet at 4:00 PM in the Gerstacker Board Room.

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## CHEMICAL CONSULTANTS NETWORK

Visit our web page at  
[www.chemconsultants.org](http://www.chemconsultants.org)

**Date & Time:** Wednesday, May 11, 2005; Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM.

**Topic:** *Government Contracting—How to Write Winning Proposals*

**Speaker:** David deLesdernier

**Abstract:** He will present *Proposal Development for Federal Government Solicitations*. He will address the Federal Government acquisition process focusing on responding to solicitations. Topics covered in the presentation will include: different types of solicitations, how to read an RFP, proposal structure and use of storyboarding. Mr. deLesdernier will provide additional insight into the Department of Defense (DoD).

**Biography:** Currently David is assisting several businesses develop and increase their government business base. He is drawing on his 30+ years experience including 18 years at

Science Applications International Corporation, a \$6B professional services corporation with over 60 percent in the government market. At SAIC his customer list included DoD (Army, Navy, Air Force, USMC, DARPA, DNA), DOE, DoTreasury, EPA and NASA as well as numerous prime contractors. His projects ranged from individual consulting assignments to managing multi-million dollar development and production projects. His responsibilities grew from being a senior engineer to managing a \$25 M business unit with 6 P&L centers. After SAIC, David worked for two NASDAQ corporations in the SEMI industry as their VP of Engineering before starting Dernier Technologies, Inc.

**Location:** The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004.

**Reservation:** To make or cancel a dinner reservation, e-mail [CCNReservations@aol.com](mailto:CCNReservations@aol.com) or call the ACS office at (215) 382-1589 (leave message on voicemail if necessary).

For directions or information about the dinner fee email [CCNReservations@aol.com](mailto:CCNReservations@aol.com).

mation and benefits"\* . From the last, choose the link "Compensation of ACS officers & key employees". At the bottom of the page is the link to request the compensation schedules by email, where you will be asked to enter your ACS membership number and email address.

The San Diego meeting attendance was 15,385.

\* If the third is "technical divisions", followed by three more bars, then request help from ACS, because your logon was unsuccessful.

## The 37<sup>th</sup> Middle Atlantic Regional Meeting (MARM 2005)

**MARM 2005**, hosted by the North Jersey Section, will be held at Rutgers University, Busch Campus, Piscataway, NJ, May 22-25, 2005. The theme of the meeting is *Chemistry at the Crossroads of Science* and will feature the most popular technical programming combined with the best features of a National ACS meeting tailored to the needs and interests of area scientists.

The MARM 2005 website is [www.marmacs.org](http://www.marmacs.org). Visit the website for periodic program updates. For more information, please contact the Technical Program Co-Chairs, Les McQuire at [leslie.mcquire@pharma.novartis.com](mailto:leslie.mcquire@pharma.novartis.com) or Joseph Potenza at [jpotenza@rutchem.rutgers.edu](mailto:jpotenza@rutchem.rutgers.edu).

## 171<sup>st</sup> Two Year College Chemistry Conference

*The History of Chemistry: From the Past Comes the Future*

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## Food Science Analysis Education Grant

METTLER TOLEDO has announced the Food Science Analysis Education Grant, which will be awarded at the 2005 annual meeting of the Institute of Food Technologists. The grant consists of analytical equipment, software, PC and accessories, to establish or enhance the education in current and future collegiate food science programs.

The coveted grant package, estimated to be worth in excess of \$60,000, will be determined by distinguished members of the food science community. Written applications for the 2005 grant are due by May 15, 2005.

If you are interested in additional data concerning the METTLER TOLEDO Food Science Analysis Education Grant, supporting photos, or application details, please contact Michelle Holden, Mettler-Toledo, Inc. Director of Marketing Communications, 1900 Polaris Parkway, Columbus, OH 43240. Phone: (614) 438-4595, Fax: (614) 985-9450, [www.mt.com/us](http://www.mt.com/us).

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**A Brief Report on Selected Council Events at the San Diego National Meeting, March 16, 2005**

Tony Addison  
Philadelphia Section Councilor

From four nominees, Council selected Catherine T. Hunt and John W. Kozarich as candidates for 2006 President-Elect. The two other nominees were Pat N. Confalone and Cynthia A. Maryanoff. George E. Heinze was certified as a petition candidate. The last action led to some discussion of principle, initiated by R. Breslow, who pointed out that petition candidates avoid the above vetting by Council. I anticipate further discussion of this point in the future.

Council selected Catherine C. Fenselau and Madeleine M. Joullie as District III candidates for Board of Directors for the term 2006-2008. Ballots will be mailed around October 10<sup>th</sup>. The election of two Directors-at-Large (from candidates James D. Burke, Edwin A. Chandross, C. Gordon McCarty, and Frankie Wood-Black) will also occur then.

After considerable discussion, Council voted in favor of establishing a Council Committee on Ethics, to coordinate the ethics-related activities of the Society, serve as an educational resource and clearinghouse (but not as an adjudication body) for ACS members seeking guidance on ethics issues; raise awareness of ethics issues through meeting programming and columns/editorials; review recognition opportunities for acknowledging ethical behavior; and to develop and oversee such other ethics-related activities as will serve ACS members and promote the Society's standards of ethical conduct within the profession of chemistry and its related disciplines. Council decided against assigning these tasks to a subcommittee of the existing Committee on Economic and Professional Affairs, members of which expressed the opinion that it should not appropriately be delegated to them. ACS does not have a Code of Ethics as such, but there is a code of professional conduct (see <http://www.chemistry.org/portal/a/c/s/1/acdisplay.html?DOC=careers%5Cempres%5Cconduct.html>).

ACS President William F. Carroll presented as a special discussion item an overview of Chemistry Enterprise 2015, posing the question, "Where will our students come from in the next ten years, and where will they go?" A lively discussion ensued. His presentation is available at <http://www.chemistry.org/portal/a/c/s/1/acdisplay.html?DOC=industry%5Cchementerprise2015%5Cchementerprise2015.html>.

The Council voted to set the member dues for 2006 at the fully escalated rate of \$127. In March 2003, the Board had approved a special temporary assessment to cover the costs of increased funding for divisions and local sections, as stipulated in the Petition for Division and Local Section Funding. The assessment was originally pegged at \$6 for 2006, but has now been reduced to \$5. Overall budget numbers appear about \$3.6M favorable compared to the previous year, due partly to greater-than-anticipated revenues from publishing activities (including Chem. Abstracts services). Various budgetary and financial ratio goals were all met. The Board reviewed and approved several recommendations from the Committee on Executive Compensation relative to compensation for the Society's executive staff. This is a topic on which there has been much discussion amongst Councilors and members. The discussion of Executive Compensation appears likely to continue. Comparisons with other societies' customs have been obtained. I suggested to some of our colleagues on Council and Board that the Board Committee provide an informational session for Councilors at the fall (Washington DC) meeting, including the procedure for awarding bonuses. The Society's 2003 IRS Form 990 can be found at the Society's website, [www.acs.org](http://www.acs.org). Use the logon boxes (upper left) with your case-sensitive chemistry.org user ID (this one is not your member number, but a separate member logon that you must previously have set up yourself) and password, select the upper tab "acs members". If you have logged on correctly, you will see a set of horizontal blue bar headings. The first is "feature", the second "recent articles" and the third "member infor-

**From The Chair**

**Deborah H. Cook**



Much evidence exists that suggests that the most important factor to achieve increasing student success is the teacher. Resources such as new technology, better equipment, better facilities, adding more computers, more books, more classrooms, more courses, more class time, or more instructional aides, have little impact unless there are capable, competent, and caring teachers who know the best instructional strategies to implement in various learning environments and situations. In fact, research shows that a student who has a poorly prepared teacher for three consecutive years will have a difficult time achieving success.

This month we honor excellent chemistry teachers both at the undergraduate and pre-college level. These educators have the passion and ability to inspire their students. These educators not only have a deep understanding of chemistry, but also they have charisma, dedication, communication skills, and pedagogical techniques that enable them to help to impart the love and

(continued from page 68)

She was a Fulbright Fellow in Israel (1994-95) where she lectured at The Hebrew University, The Weizmann Institute of Science and Shenkar College of Textile Technology. She also did research on ancient middle-eastern artifacts in collaboration with the Israel Antiquities Authority, the Israel Museum and the Edelstein Center for the Analysis of Middle Eastern Textiles and Related Artifacts. As a hobby, she enjoys constructing crossword puzzles and has been a frequent contributor to the Sunday *New York Times*, *SciQuest*, *Clinical Chemistry News*, *American Laboratory*, *Today's Chemist* and other publications.

understanding of chemistry. Our speaker this month is Sr. Mary Virginia Orna. Mary Virginia is a magnetic and dedicated educator who has prepared chemists and science educators for many years. In addition to teaching chemistry, Mary Virginia has pursued the history of science. Mary Virginia's talk on the History of Chemotherapy should be a wonderful complement to the excellence in Teaching Awards. Hope you can join us!

---

**NEWS ATOMS**

**Stephen S. Hirsch** appointed research professor and executive director of the Laboratory for Engineered Human Protection at Philadelphia University.

**HONORS**

**Amos B. Smith III**, Rhodes-Thompson professor of chemistry at the University of Pennsylvania, was presented the Order of the Rising Sun, Gold Rays with Neck Ribbon as announced by the government of Japan in November 2004. The actual presentation took place at Penn on January 27, 2005 at a special ceremony hosted by the Japanese Consul. Smith was recognized for his outstanding contributions to the training and education of Japanese scientists and for promoting academic exchanges between Japan and the US.

**George Palladino**, executive director of the department of chemistry at the University of Pennsylvania, received honorable mention in the awarding of the 2005 Models of Excellence awards at Penn. He was recognized for his outstanding leadership of the department during a period of unparalleled growth in both size and quality of its educational and research programs. Palladino introduced a revolutionary Master of Chemistry Education Program that has emerged as a national model for outreach to high school and middle school science teachers.

**DEATHS**

As reported by the national ACS office, the following recent deaths occurred in the greater Philadelphia area; however, no further details were available. **Richard Bellet** of Warrington, **Stephen Boyko** of Spring City, and **George Rudkin** of Chadds Ford. All were members of ACS for more than 50 years.



**Report to Council  
Committee on Local Section  
Activities As Reported Verbally  
at San Diego, CA March 16, 2005**

Mr. President and Fellow Councilors:  
The Local Section Activities Committee (LSAC) would like to recognize the local sections celebrating significant anniversaries in 2005 by asking their Councilors to stand. Please hold your applause until all sections have been recognized.

Celebrating their 50th anniversary: the North Central Oklahoma and Western Michigan local sections. Celebrating 75 years: Dayton, East Tennessee, MO-KAN-OK, and Northeast Wisconsin. Celebrating 100 years: the Iowa and Western New York local sections. Please join me in applauding these sections and their Councilors.

LSAC will host both spring and fall leadership conferences in 2005. The first conference was held in conjunction with the ACS Leaders Conference in Baltimore in January, as described in the report from the Committee on Committees. Local section alumni of the January conference are invited to the Advanced Local Section Leadership Conference, which will be held in Memphis, Oct. 14-16, 2005. The fall conference will center on developing leadership skills. We ask local section Councilors to strongly encourage section officers to attend these valuable and award winning conferences.

The "Local Section Innovative Projects Grant Program" created as a result of the Petition on Local Section and Division Funding awarded nearly \$97,000 to 44 local sections during the first year of the program. All local sections are encouraged to submit proposals by this year's deadlines of April 1 and August 1, 2005. For more details on proposal guidelines, go to [chemistry.org/localsections](http://chemistry.org/localsections). LSAC has decided to slightly alter its subcommittee structure by forming the Subcommittee on Alliances. This subcommittee will encourage local sections to form alliances with ACS and non-ACS

entities, in an effort to enhance and benefit the Society, its members, and the community. LSAC continues to publish an html newsletter, *Leading Together*, for local section officers. The goal of the quarterly newsletter is to provide officers with timely information, tools and tips for success, and innovative ideas and activities that local sections may find of interest. LSAC welcomes contributions and feedback.

LSAC continues to work with local sections in an effort to help them improve their health and viability. Committee members and staff have visited nine local sections since the inception of the program in 2002.

The Senior Chemists Working Group has developed a Starter Kit that can be used by local sections interested in starting a Senior Chemists Group or "Silver Circles". The kit can be found on [chemistry.org/localsections](http://chemistry.org/localsections).

Mr. President and Members of Council, this completes my report.

Will Lynch, Chair  
Local Section Activities Committee

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