

PHILADELPHIA SECTION, ACS 2005 CALENDAR OF EVENTS

January 4	Chromatography Forum of the Delaware Valley Susan M. Lunte	eas.org/cfdv
January 10	Delaware Valley Mass Spectral Topics Discussion Group Steven Cohen Merck, Inc.	GlaxoSmithKline King of Prussia, PA patricia.m.peacock@usa.dupont.com Cynwyd Club Bala Cynwyd, PA
January 12	10 th Anniversary Celebration Chemical Consultants Network	chemconsultants.org Holiday Inn Bensalem, PA philly/spec.plastics.com atche-philadelphia.org
January 13	Philadelphia Society of Plastics Engineers Family Oriented Magic Show	
Januray 19	AIChE Andy Signore, IPS	
January 27	Graduate Student Poster Session	Drexel University Philadelphia, PA
February 17	George Preti Monell Chemical Senses Center	University of the Sciences Philadelphia, PA
March 13-17	ACS Spring National Meeting	San Diego, CA
March 24	Edgar Fahs Smith Lecture Peter Wolynes University of California-San Diego	University of Pennsylvania Philadelphia, PA
April 21	College Scholastic Achievement Awards	TBA
May 19	Teaching Awards	TBA
May 22-25	Middle Atlantic Regional Meeting	Rutgers University Piscataway, NJ
June 16	Fifty-Year Luncheon	TBA
Aug 28-Sept 1	ACS Fall National Meeting	Washington, DC



2004 Philadelphia Section Award for Excellence in Undergraduate Teaching Sponsored by Merck & Co. presented to Dr. Georgia Arbuckle-Keil of Rutgers University, Camden by Dr. Deborah Cook, Awards Committee Chair, and Dr. Anne Payne of Merck & Co. (Photo by Joel Perlish)

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

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The Catalyst

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January 2005



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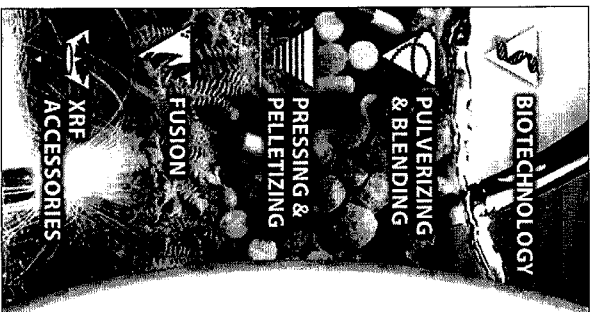
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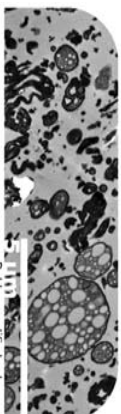
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Advertising Index

ACS	13
Chemir Analytical Services	15
Chemo Dynamics LP	11
Desert Analytics	15
DuPont Analytical Solutions	13
Gateway Chemical Technology	14
Huffman Laboratories	14
ISSILaboratories, Inc.	13
MASS VAC, Inc.	2
Micron Inc.	14
NanMega Resonance Labs, Inc.	13
PTI Research, Inc.	13
Robertson Microfit Labs, Inc.	9
Schwarzkopf Microanalytical Scientific Bindery	14
Shining Star Coaching	15
Structure Probe, Inc.	15
SPEx CertiPrep	2
Tyger Scientific Inc.	13
Yasui Seiki Co. (USA)	14

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STAFF	TABLE OF CONTENTS	Page
EDITOR-IN-CHIEF: Marge Mathews	February Advance Notice	3
EDITORS: Melissa Hess	News Atoms	4
COVER NEWS ATOMS: Alan Warren	ALChE Special Event	4
PROOF EDITORS: Georgia Arbuckle-Keil	January Meeting Notice	5
Deborah Klimartin	2005 List of Officers	6
Frank Scholnick	2004 Election Results	6
Alan Warren	Chair's Column	7
MANAGERS: George Comperthwaite	Introducing Our New Chair	7
BUSINESS: Vince Gale	Delaware Valley MS Discussion Grp.	7
ADVERTISING: Vince Gale	September 2004 Board Minutes	8
PUBLICATIONS COMMITTEE	Chemical Consultants Network	8
CHAIR: GEORGE COMPERTHWAITTE	Nominations for Teacher Awards	9
Anthony W. Addison	Nominations for Merck Award	10
Georgia Arbuckle-Keil	MARIN 2005	10
Vince Gale	Student Affiliate Funding	10
Robert Gates	Elizabeth D. Strange	12
Melissa Hess	Victor Torroralli	13
Deborah Klimartin	Alan Warren	13
	Directory of Services	13
	2005 Calendar	16

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ADVANCE NOTICE

FEBRUARY MEETING

Dr. George Preti
Monell Chemical Senses Center
THURSDAY, FEBRUARY 17, 2005
University of the Sciences
Philadelphia, PA

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

NEWS ATOMS

HONORS

Alan G. MacDiarmid, Blanchard Professor of Chemistry at the University of Pennsylvania, was one of a number of experts to receive China's Friendship Award in September. He was recognized for his work as chairman of the MacDiarmid Institute at Jilin University in ChangChun as well as a professor in the university's chemistry department.

George Barclay of Rohm and Haas received the first Society of Chemical Industry Gordon E. Moore medal last September for his work in inventing and bringing to market a series of terpolymers. The products are used in a variety of electronic applications including cell phones and computers. The SCI Gordon E. Moore medal recognizes early career success in innovation and was named for the co-founder of Intel.

DEATHS

Ralph Landau, technological entrepreneur and innovator in the chemical industry, April 6, 2004 at 87. He worked for M. W. Kellogg Company on the Manhattan Project during WWII. He then co-founded Halcon Scientific-Design, developing many processes adopted by the petrochemical industry. After Halcon was sold he was named a senior fellow at the Stanford Institute for Economic Policy Research and a consulting professor of economics at Stanford.

Landau was a former vice president of the National Academy of Engineering and served on the governing board of the National Research Council. He received over 50 awards and honors during his lifetime including the Perkin Medal, the Winthrop-Sears award of chemical entrepreneurship, the Petroleum and Petrochemical division award and the Founders award of AIChE, the National Medal of Technology, and he was the first recipient of the Othmer Gold Medal of the Chemical Heritage Foundation.

Arthur D. Tovebaugh, former senior scientist with General Electric and the

University of Chicago's Argonne National Laboratory. While pursuing his doctorate at Iowa State University during WW II he worked on the Manhattan Project. His industrial research and management positions were in the fields of energy technology, inorganic polymers, solid state science, the separation of rare earths, nuclear reactor safety, and fluorine chemistry.

John J. Maguire, retired chemical engineer formerly with Betz Laboratories. He rose through various positions at the firm including technical director, vice president, president, and chairman of the board before retiring in 1980. He was very active in, and received several awards from the ACS division of environmental chemistry.

National ACS indicated the recent passing of additional Philadelphia Section members **Joseph Bonstein**, **Gerd Dahl**, **Fay McClelland**, **John Pulekines**, and **Robert Smith**, but no details were available.

AIChE Special Event

Join us on January 19, 2005 to hear Andy Signore, PE, who is President and Co-founder of IPS, an Engineering firm providing Consulting, Engineering, Construction Management, Design-Build, Validation, Compliance, Commissioning, and other services. Andy will present his views on the emerging call for "Affordable Innovation" in the pharmaceutical and healthcare markets and how project professionals can help to achieve it through new processes and facilities.

Mr. Signore is a Chemical Engineer, MBA, PE and a dynamic speaker. He is a past national president of ISPE and several other organizations. He founded IPS in 1989 and has grown it to an enterprise employing over 300 professionals.

The dinner meeting is at the Union League of Philadelphia, which is an interesting place to visit on its own.

Cost is only \$50 and guests are welcome. Registration can be made on our website, www.iche-philadelphia.org. Please mark your calendars for the date, as further details will be announced in future newsletters.

The Nine Lives of Edgar Fahs Smith

The University of Pennsylvania has produced an exhibit commemorating the 150th anniversary of the birth of the famous Penn chemist, Edgar Fahs Smith. The exhibit is in the Kamin Gallery on the first floor of the Van Pelt-Dietrich Library on Locust Walk between 34th and 36th Streets. It will be on display from October 19, 2004 to March 24, 2005.

Edgar Fahs Smith was a professor of Chemistry at the University of Pennsylvania from 1888-1920. He became Vice Provost in 1899 and Provost in 1911 (the equivalent of president today). The Edgar Fahs Smith Memorial Collection in the History of Chemistry, housed in the Annenberg Rare Book and Manuscript Library, is an ACS National Historic Landmark.

In addition, he was a founder of the Philadelphia Section and the only person to serve three terms as president of the American Chemical Society (1895, 1921, 1922). The Edgar Fahs Smith Memorial Lectureship, sponsored by the University of Pennsylvania and the Philadelphia Section, is the oldest (1929) memorial lectureship listed by the ACS. Stop by the Van Pelt Library and visit the exhibit during its run.

Further information: Michael Ryan at (215) 898-7552/ryan@pobox.upenn.edu.

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an awards banquet on Wednesday evening where 50-year members will be honored along with the winners of a number of ACS regional awards. Special lunches will be held for Senior Chemists and the Women Chemists Committees. There will also be a "Roving Feast" Monday & Tuesday evenings, May 23rd & 24th, in conjunction with special programming, vendor exhibits and posters. Student Affiliates will have a full program for sharing their research, outreach programs, eminent scientist lecture and life in their chapter.

The online abstract program and advance registration opens November 16th. Abstracts will be accepted until March 15th. Submit online through the MARM 2005 website at www.marnacs.org, and 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 or Joseph Potenza at jpotenza@rutchem.rutgers.edu.

Guidelines for Student Affiliate Chapters to Request Funds to Attend National ACS Meetings

Undergraduate students from ACS Student Affiliate Chapters in the Philadelphia Section are encouraged to consider attending National Meetings of the American Chemical Society. In this regard, a limited amount of funding will be provided to chapters requesting sponsorship based on the following general guidelines.

General Guidelines

1) First consideration will be given to student(s) who wish to attend a National Meeting of the American Chemical Society (ACS) to give a presentation (oral or poster). Students attending for other purposes, i.e., to receive an award or attend a specific workshop, etc., are also eligible to apply for support.

2) The student(s) must have requested support from their College or University (including department and/or advisor) to assist in defraying the travel costs. Please

attach a copy of the correspondence.

3) The student(s) should have a clear idea of the benefits of attending the conference. Please attach a short paragraph from each student indicating which sessions, including workshops, etc., which the student plans to attend and why these sessions will help them obtain their professional goals.

All applications must include an itemized list of the projected costs of the trip, i.e., registration, airfare, train or car expenses, hotel, etc., and indicate which of these costs (if any) are being provided by other sources.

An application for travel support can be made at any time to the Philadelphia Section, but for full consideration, the application must be received by the section office by January 31st for the Spring meeting and May 31st for the Fall meeting.

The Philadelphia Section will evaluate all applications received by the deadline and vote at the February meeting for the Spring ACS meeting applications and at the June meeting for the Fall ACS meeting applications. The amount of funding available may be influenced by the number of applications for a particular meeting and the costs of attending that meeting, i.e., where it is being held.

The successful applicant must submit a brief report highlighting the conference experience to the Philadelphia Section at the completion of the trip. The original receipts should also be submitted to the section office for reimbursement.

THOUGHTS TO PONDER

I am only one, but I am still one. I cannot do everything, but still I can do something. And because I cannot do everything I will not refuse to do the something that I can do. — *Helen Keller*

Recognition is a powerful leadership tool because it is appropriate for everyone in the organization.—*Joan P. Klubnik*

The ability to make fast adjustments and recover quickly is the difference between a manageable problem and a full-blown crisis.—*Jeffrey R. Caponigro*

JANUARY MEETING

The Philadelphia Section,
American Chemical Society

presents

The Fifth Annual

Graduate Student Poster Session

Thursday, January 27, 2005

5:00 - 7:00 PM

Behrakis Hall in the Creese Student Center
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POSTER PRESENTATIONS

Refreshments will be served

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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, January 20th**. **Cancellations**, if necessary, cannot be accepted after **NOON on Tuesday, January 25th**. **UNCANCELLED RESERVATIONS WILL BE BILLED.**

PARKING is available for \$10.00 in the University of Pennsylvania lot located at 34th and Chestnut Streets. Going south on 34th, turn right into the lot toward the end of the block past Market and just before reaching Chestnut. Parking is also available on the street (bring quarters for the meter.)

The Board of Directors will meet at 4:00 PM in room 226 of the Creese Building.

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“Advances in Organic Chemistry”, “Organometallic Catalysis”, “Novel Instrumentation and Applications of Mass Spectrometry in ADME Studies”, “Functional Proteomics and Cell Signaling”, “Biomarkers: Quantification, PK/PD Correlation and Bioanalytical Issues”, “Applications of LC-MS in Drug Discovery/Development”, “Solid State and Materials Chemistry”, “Nanoscience and Technology and Solid State & Materials Chemistry/Surface Chemistry”, “Materials Chemistry/Inorganic & Organic Polymers” and “ADMET at the Crossroads of Drug Discovery”. There will also be a special symposium, sponsored by the Organic Chemistry Division, honoring a Cope Scholar Awardee. Several chemical engineering mini-courses will also be offered by ACS & AIChE.

The Waksman Antibiotic Drug Discovery Process will receive an ACS National Landmark Award for developing the cure for TB and many other infectious diseases. The Waksman National Chemical Landmark Symposium will mix history with modern antibiotic discoveries. The Regional Innovation awards will also feature a related symposium.

Sunday, May 22, 2005, designated “Science Education and Career Day,” will celebrate the 100th anniversary of the New Jersey Science Teachers Association. High-school students, their parents and their teachers from throughout the region are encouraged to attend. Events will include chemistry and physics demonstrations, showings of the IMAX film “Volcanos of the Deep” with commentary by the science advisor for the film, student and industrial panels to discuss college and career opportunities in several areas, symposia in several disciplines centered about the theme “100 Years Then and Now,” workshops for teachers, poster presentations and lunch with a scientist. The program will provide unique opportunities for students, teachers, and scientists from diverse disciplines to mix with each other in an informal, informative atmosphere.

In addition to technical symposia there will be a number of special events including

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secondary level (grades 9 - 12) who teaches chemistry. Nominees must teach in the Philadelphia Section's geographic area (Philadelphia, Montgomery, Delaware, Chester, Bucks, Burlington and Camden Counties).

Nominations for 2005 will be accepted until Thursday February 3, 2005. The nomination should consist of a letter of nomination, the nominee's resume and at least two letters of recommendation. Other supporting information, such as students' comments, is welcome. However, the total nomination package should not exceed 30 pages. Nine copies of the nomination materials should be sent to:

Ms. Deborah E. Klimartin
Chair, Awards Committee
Philadelphia Section, ACS
Department of Chemistry
University of Pennsylvania
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For more information, please contact the Philadelphia Section, ACS office: phone: (215)382-1589 or email: PhilaACS@aol.com
Award recipients will be honored at our May 2005 Section meeting with a certificate, an honorarium and an enrichment allotment.

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The Philadelphia Section of the American Chemical Society will honor an outstanding undergraduate teacher from the Delaware Valley with its Award for Excellence in Undergraduate Teaching in Chemical Sciences. The award will be given to a full-time educator involved in teaching an undergraduate course in the chemical sciences (chemistry, biochemistry). Nominees must teach in an institution that is within the Philadelphia Section's geographic area (Philadelphia,

Montgomery, Delaware, Chester, Bucks, Burlington and Camden Counties).

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Award recipients will be honored at our May 2005 Section meeting with a plaque and an honorarium from a representative from the Merck Corporation.

MARM 2005

The 37th Middle Atlantic Regional Meeting (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 farascientists. Abstract submissions are sought from undergraduate and graduate students, and from professional industrial and academic chemists in all areas of chemistry.

The meeting will feature invited speakers at major symposia including "Bench to Pilot Plant", "Visions in Chemistry" (sponsored by Aventis), "Environmental & Green Chemistry", "Pharmaceutical Profiling", "Protein Family-Targeted Medicinal Chemistry- The Practice of Medicinal Chemistry in the Age of Chemogenomics",

From

The Chair

Deborah H. Cook



As we begin the New Year it is customary to reflect on the past and look forward to the future. Thus, as I begin my term as Chair of the Philadelphia Section ACS, I too want to look behind and forward, as Janus, the Roman god with two faces, January's namesake.

First, I want to thank Melissa Cichowicz, under whose capable leadership, the Section has had a successful year. Melissa, you've set a high standard and will be a hard act to follow. The monthly meetings were interesting, varied and well attended. Of course the National ACS meeting in Philadelphia this past August was also a huge success.

Looking forward, I would like to mention my goals for the Section. As one of the oldest and largest ACS Sections, Philadelphia Section has a long-standing set of traditions. I plan on continuing those traditions, some of which are specified in the by-laws, including the monthly dinner meetings, National Chemistry Week, recognition ceremonies, and programs for students and children. As an educator, I want to focus attention on the outreach programs for K-12 teachers. The future of the chemistry profession rests largely with those who prepare the next generation. It is vital that we become more responsive to pre-college chemistry teachers. As with other past chairs, I share the concerns that attendance and participation in meetings and events needs to increase. I hope that together with the Board of Directors, we can engage more people in activities and develop events that have broader appeal.

Once again this month we are hosting the Graduate Student Poster Session at Drexel University. A new category of Chemical Education has been added. The event has always been lively, and I encourage you to

find out what the future of chemistry may hold. The participants will be anxious to share their work with interested chemists. As I take over the reins of the Section, I do so with excitement and a degree of trepidation. My predecessors have been exemplary role models. I have much to learn from them and many past achievements to uphold. Looking forward, I hope I can follow in their footsteps, bring new ideas and accolades for the Section. I wish you all a happy New Year and hope you've had a joyous holiday.

INTRODUCING OUR NEW CHAIR

Deborah H. Cook

Deborah H. Cook is the Principal Investigator and Project Director of the New Jersey Statewide Systemic Initiative (NJ SSI) and a Co-Principal Investigator and Project Director of the New Jersey Math and Science Partnership (NJ MSP) at Rutgers, The State University of New Jersey.

Before joining NJ SSI, Deborah served as the Science Specialist and as a Coordinator of New Jersey's Core Curriculum Content Standards for the New Jersey State Department of Education. She was also a member of the leadership team to coordinate the development of the New Jersey Science Curriculum Framework. Her prior service includes serving as a Director of Curriculum and Instruction, a Science Supervisor, and as a Science and Mathematics teacher.

Delaware Valley Mass Spec Discussion Group

Monday, January 10th at GlaxoSmith-Kline, 709 Swedeland Road, King of Prussia, PA 19406.

Refreshments & Networking 6:30 PM - 7:30 PM, Seminar 7:30 PM - 8:30 PM.

Speaker: Steven Cohen, Merck & Co., Topic: Tricks in MALDI sample preparation.

No RSVP necessary. For more information contact Patricia Peacock at 302-695-4583 or patricia.m.peacock@usa.dupont.com.

**564th Board of Directors Meeting
Thursday, September 30, 2004
Merck Research Laboratories
West Point, PA**

These minutes have been edited. A full copy of the minutes can be obtained in the Section Office.

Board Members Present: R. Acchione, B. Baker, C.J. Brunner, C. Carr, M. Cichowicz, D. Cook, E. Davis, A. DeMasi, D. Kilmartin, S. Haynie, T. Straub, K. Thrush, V. Tortorelli, E. Williamsen.

Excused: G. Molander, J. Nikelly, G. Palladino, D. Voet.

Absent: C. Benzley, J. Maffia.

Also: R. Bates, E. Harper.

Chair Cichowicz called the meeting to order at 4:15 PM.

Publications

A December issue will be published since there are sufficient funds and will contain a retrospective on the National Meeting. Marge Matthews has been selected to continue as Editor and George Cowperthwaite as Business Manager. A motion to accept these appointments was approved unanimously.

National Chemistry Week

A. DeMasi reported that the graduate school forum will take place November 8 at Villanova. 1,500 postcards were mailed to elementary, middle and high schools to announce NCW activities.

D. Kilmartin reported that several organizations are running or have requested health fairs. The Health fair at Philadelphia National Meeting got a salute for excellence from the Local Section Activities Office.

OFFICERS REPORTS

Chair (M.B. Cichowicz)

The Forensic chemistry event at the National Meeting was nominated for a ChemUnity award and received a certificate of excellence. Publicity about the National meeting included 1000 TV reports (local and national) and 19 press releases.

The South Jersey Section has requested that Camden County be annexed to them and asked the Board to allow National to survey affected members as to whether they want to switch. New Jersey chemists are free to join either section. Chemists have a default geographic section but can elect, in writing, to join another section. G. Cowperthwaite estimated that we would lose approximately 450 members, one counselor and \$4000 in allotment. The Board expressed concern that the survey might imply

that the Philadelphia section did not welcome members from New Jersey.

M. Cichowicz moved that the Board communicate to National and the South Jersey Section that the Philadelphia Section agrees to allow National to conduct a survey of Philadelphia Section members who reside in Camden county as to their preference for local section affiliation contingent upon clarification from National that a majority of the affected members must vote to change local section affiliation.

Treasurer (C. Brunner)

Tax returns for 2003 are being prepared. All bills must be turned in by January 10 so books can close on January 15.

OTHER BUSINESS

V. Tortorelli brought the Board's attention to the recent correspondence in C&E News regarding ACS executive compensation.

S. Haynie reported on some vacancies that need filling: IGBT (Cheryl Martin and Sid Levinson are up for renewal), Section Award Committee (especially in Analytical and Physical Chemistry areas), and MARM Meeting was adjourned at 5:45 PM Respectfully submitted
Carol Carr
Secretary

**CHEMICAL CONSULTANTS
NETWORK**

Visit our web page at
www.chemconsultants.org

Date & Time: Wednesday, January 12, 2005, Networking, 6:00 PM; Dinner and Wine Tasting Celebration, 6:30 PM; Brief Business Session during dinner.

The Chemical Consultants Network is celebrating its 10th anniversary! The CCN has been the source of networking, project leads, general encouragement and technical/administrative/marketing advice to its members since its founding meeting at the University of Pennsylvania in the fall of 1994. It is the first and only organization of its kind with American Chemical Society and the American Institute of Chemical Engineers sponsorship.

Our program is intended to be a celebration of the successes we have observed and had reported from our many members. It will consist of a shortened networking session

during which a first wine course and appetizers will be served. Dinner will follow during which three (3) additional wines will be sampled. A narrative on the wines and their fit with the foods being served will be presented by Hudson Austin, noted wine expert who is associated with the Wine Merchant of King of Prussia. Attendees will have the opportunity to learn more about wines and to special order wines that will be provided for this event.

We encourage you to bring your spouses and friends and to also invite members of our sister organizations, the ACS and AIChE, to join us in what promises to be a very enjoyable evening.

The Wine Merchant: The Wine Merchant was founded by Stan Bowers in the 1970s and has been and is a wholesale distributor of fine wines to many of the upscale restaurants throughout Pennsylvania. Stan is a past member of the Gwynyd Club and winner of Philadelphia and Pennsylvania State Squash tournaments in the past. He agreed to help us make our special evening at the site of our regular CCN meetings an even more

outstanding event.

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

Reservation: To make or cancel a dinner reservation, e-mail 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, please email CCNReservations@aol.com.

CALL FOR NOMINATIONS

**The 14th Annual
Philadelphia Section, American
Chemical Society**

**AWARDS FOR EXCELLENCE IN
PRE-COLLEGE TEACHING**

The Philadelphia Section of the American Chemical Society will honor two outstanding science teachers from the Delaware Valley with its Awards for Excellence in Pre-College Science Teaching. One award will be given to a full-time educator involved in teaching science in grades K - 8. The second award will be given to a full-time educator at the

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