

# *the Catalyst*



Official publication of the Philadelphia Section, ACS  
<http://philadelphia.sites.acs.org/>

January 2011  
Volume 96, No. 1

## Introducing



—Joe Perlish Photography

**Our New Section Chair  
Dr. John Tierney**

## HIGHLIGHTS

January Meeting at Iron Hill Brewery	4
Introducing Our New Chair	6
Benefits for Unemployed ACS Members	12
2011 MARM	20
2011 Calendar	23

## ADVANCE NOTICE

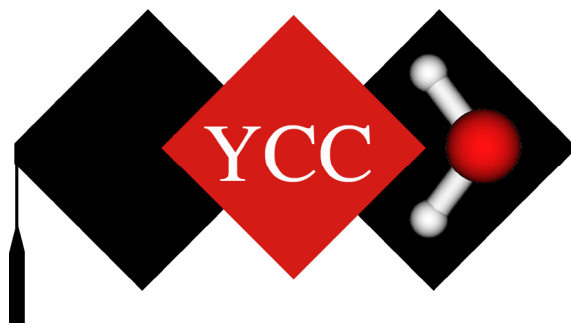
### FEBRUARY MEETING

**Thursday, February 10, 2011**

(Note: Second Thursday)

**Graduate and Undergraduate Poster Session  
Temple University**

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



# **Philadelphia Young Chemists Committee Monthly Social**

at the

## **Philadelphia Field House**

**1150 Filbert Street**

**Philadelphia, PA 19107**

**215-629-1520**

**[www.fieldhousephilly.com](http://www.fieldhousephilly.com)**

**2<sup>nd</sup> Thursday of each month from 5:30 PM -7:00 PM**

**Entertainment and drink specials available**

Come out to socialize and network with other Philadelphia area chemists at the Younger Chemists Committee (YCC) monthly social. Each month we will be meeting at the Field House in Center City. There will be food and drink specials as well as access to the game room (when available). The Field House is conveniently located within the PA Convention Center and public transportation is just a few steps away. The Broad Street Line is directly below the Field House and the Market East Station is in walking distance. The Field House is also accessible from Filbert Street, across from the Reading Terminal Market.

Hope to see you there!

**The Philadelphia Section of the YCC**

**[www.PhilaYCC.org](http://www.PhilaYCC.org)**

For parking information, including discounted lot information visit:

**[www.fieldhousephilly.com/parking.php](http://www.fieldhousephilly.com/parking.php)**

# the Catalyst

ACS Philadelphia Section  
Founded April 15, 1899

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## CONTENTS

February Advance Notice . . . . .	1
Young Chemists Committee Social . . . . .	2
January Meeting . . . . .	4
Eleventh Annual Student Poster Sessions . . . . .	5
Introducing Our New Chair . . . . .	6
Chair's Column . . . . .	7
News Atoms . . . . .	8
Seeking Pre-College Teaching Award Nominees . . . . .	9
Chemical Consultants Network . . . . .	10
Seeking Undergraduate Teaching Award Nominees . . . . .	11
Benefits for Unemployed ACS Members . . . . .	12
2011 IUPAC Prize Announcement . . . . .	12
May 2010 Board Meeting Minutes . . . . .	13
September 2010 Board Meeting Minutes . . . . .	15
Philadelphia Section on LinkedIn . . . . .	17
2011 Officers and Board of Directors . . . . .	17
October 2010 Board Meeting Minutes . . . . .	18
2011 Middle Atlantic Regional Meeting . . . . .	20
Book Review: <i>Step-Growth Polymerization</i> . . . . .	21
Directory of Services . . . . .	21
2011 Calendar . . . . .	23

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**JANUARY MEETING**

**THE PHILADELPHIA SECTION,  
AMERICAN CHEMICAL SOCIETY**

presents

**Thursday, January 20, 2011**

**IRON HILL BREWERY**

**6:00 - 8:00 PM**

**Iron Hill Brewery and Restaurant  
3 West Gay Street  
West Chester, PA 19380**

**TOUR AND LIGHT REFRESHMENTS  
CASH BAR**

Reservations Required; cost: \$25.00

**RESERVATIONS** should be made by calling Mrs. Libby Harper at the Section Office, (215) 382-1589, by **5:00 PM** on **Thursday, January 13**. Cancellations, if necessary, cannot be accepted after **NOON** on **Tuesday, January 18**. **UNCANCELLED RESERVATIONS WILL BE BILLED.**

**PARKING** is available in the nearby municipal garages at Chestnut and Walnut Streets (closest) and High and Market Streets. Parking validation is available at the brewery for 1 ½ hours. Subsequent cost is \$0.75 per half-hour.

The Board of Directors will meet at 4:00 PM at the Brewery.

The Philadelphia Section of the American Chemical Society announces

# The Eleventh Annual Student Poster Sessions

(High School Participation Encouraged)

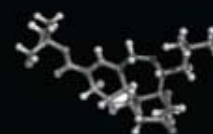
Thursday, February 10, 2011

Temple University

Mitten Hall Great Court

Philadelphia, PA

5:00 PM to 8:00 PM



Abstracts for posters  
may be submitted in  
ALL areas of Chemistry,  
Chemical Engineering,  
and Biochemistry

Presenter prizes furnished by:



## REQUIREMENTS

**Registration is required for all attendees** (register @ [www.PhilaYCC.org/PS11.html](http://www.PhilaYCC.org/PS11.html))

Cost: \$15 covers admission and refreshments (drinks, dinner, dessert)

Deadline for registration is February 1, 2011

Abstracts in ACS electronic format should be submitted to [gradposters@aol.com](mailto:gradposters@aol.com), by **January 28, 2011**. You must include: electronic copy, professor's name, principal author's name and level of study (undergraduate, graduate, high school), affiliation of all authors and institutions involved in submitted work.

For more information visit: [www.PhilaYCC.org/PS11.html](http://www.PhilaYCC.org/PS11.html)

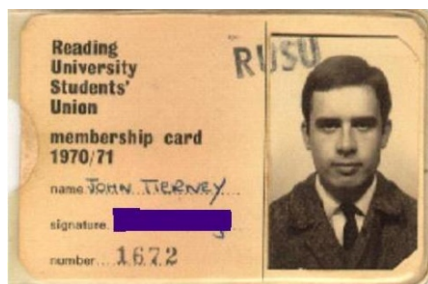
Brought to you by the Philadelphia Section of the  
American Chemical Society and Younger Chemists Committee

Hosted by Temple University's Department of Chemistry

## INTRODUCING OUR NEW CHAIR

John Tierney has been in the United States since October 1974 and first became a member of the American Chemical Society in 1983. He has served the Philadelphia Section as a member of the Board of Directors initially from 1985-1992 until his return in 2004. In 2007 he was elected Secretary for a two-year period. During his early tenure with the Philadelphia Section, he also served as chair of the Education Committee and has been involved in the local section's efforts to get students involved in the Chemistry Olympiad.

John grew up in London, England and attended St. Clement Danes School (famous for the line in the children's nursery rhyme "Oranges and Lemons say the Bells of St. Clements." Upon leaving (you do not graduate from a K-12 school in the UK), John attended Reading University where his degree was in chemistry with mathematics. On graduating from Reading University in 1971 he went on to do a masters degree in physical organic chemistry at the Hatfield Polytechnic - now the University of Hertfordshire. After a year working for Diversey in Cockfosters, London as a



detergent chemist, he decided to go back to school to get a PhD. Two criteria were required for the destination. The first was that the schools applied to had to have a PhD program, and the second was that there was a large body of rowable water within easy reach. Hence, John landed in Philadelphia and when he was not in the labs at Temple University, he could always be found on the Schuylkill.

After graduating from Temple in 1980, John was hired as a visiting assistant professor and oversaw the organic chemistry labs, and taught a lecture section in organic chemistry. In fall 1982, John moved to Kean College (now University) as an assistant professor, but he only lasted a year at that institution because the commute to the Schuylkill each day proved to be somewhat taxing. In fall 1983, he was hired as an assistant professor at Penn State Delaware County (now the upscale Brandywine Campus). In

1996 he was promoted to associate professor and full professor in 2007. His research is in the area of sulfur nitrogen heterocycles, and much of the published work has been accomplished with undergraduate students. John also has interests in pedagogy and in the area of human sweat; a link to his rowing world where he has produced a lot of the aforementioned fluid.

John lives in Chester County, PA with his wife Ann, and children Sean Liam (18), Emma Christine (16) and Elaine Brigid (11). John met his wife Ann at the Vesper Boat Club where they both rowed. Ann has moved on from rowing and is now an accomplished and much medal-ed runner. John still gets out on the river as much as possible, and enjoys rowing with the many characters on the Schuylkill.

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### Delaware Valley Science Fairs

The Delaware Valley Science Fairs will be coming up before you know it. Judges and mentors are always needed. Check the website [www.dvsf.org](http://www.dvsf.org) for more information and to volunteer.



## *From The Chair*



### **John Tierney**

“Athbhliain faoi mhaise daoibh!” as my parents would say. Translation: “A prosperous new year to you all!”

I should begin by telling you that the last time I wrote anything on a regular basis it was for a much less prestigious newsletter than *the Catalyst*. The newsletter was called *The Rudder* – a rag put out by the Vesper Boat Club, on Boathouse Row, in Philadelphia. In addition to this, the last time I had a leadership role of any note was that of Team Leader for the US Rowing Team at the Pan Am Games in 1991, and the Barcelona Olympics in 1992. As Team Leader, I was appointed and not elected, as is my present situation as Chair of the Philadelphia Section. One thing that I learned from a very early age in the sport of rowing is the importance of teamwork.

The language shown in the first line is Irish, and in some ways the language mirrors our ACS section. The Philadelphia Section is large but it does not seem to get the use and attendance at meetings

that one would expect. In many ways it mirrors the Irish language which is rich but it is not not utilized much by the Irish population. We have wonderful attendances at Section meetings like the Edgar-Fahs Smith Lecture and the Ulliot Lecture, but these are events that are held in conjunction with other august bodies; The University of Pennsylvania and the Chemical Heritage Foundation, respectively. Thankfully, we also get a large attendance at our undergraduate awards event, and if we did not we would truly know we were doing something wrong. So, one of my goals in the upcoming year is to try and improve attendance at the other Section meetings by continuing a path that has been spearheaded by our outgoing Chair, Judith Summers-Gates. It has become apparent to many ACS sections, that the ‘dinner and a talk model’ for a meeting is no longer as viable as it once was. The reasons for this appear to be many. Chemists are involved with chemistry topics all day at work, so maybe they want to relax and distance themselves from work in the evenings. So, why don’t you all come out and relax, weather permitting, at our January meeting that is to be held at the Iron Hill Brew Pub in West Chester, on January 20<sup>th</sup>.

A new feature that I would like to highlight to members is the LinkedIn page for the Philadelphia Section where local job postings are available. Log into LinkedIn and then ask to join American Chemical Society – Philadelphia Section. This link has been made available by John Northrop, one of our very active young members and the link will soon be on our website. Those of you who are looking for employment should consider utilizing this resource.

The Section is trying to use technology wisely and efficiently. In our endeavors to be efficient we recently moved to an on-line election process which saved the Section a considerable amount of money. However, we also found that a significant number of members have email addresses that either are no longer in service or are being blocked by their employer. If you wish to receive correspondence from us (and if you do not, we will certainly comply with your wishes) please make sure you have a functioning email address.

Finally, looking towards our February meeting, please join us at the Annual Poster Session to be held at Temple University on February 10, 2011. Doug Hausner deserves kudos for organizing this yearly event.

## NEWS ATOMS

### Deaths

**Jerome Dohling**, former chemist with Rohm and Haas, December 13, 2009 at 88. He served in the Army Air Force in WWII where he was engaged in high altitude research at the Aero-Medical Research Laboratory at Wright Field in Dayton, OH, and then in the development of hydroponic systems in Coral Gables, FL. He was a research scientist at Rohm and Haas's Bridesburg research laboratories for 46 years, retiring in 1986 as a senior scientist. He was a 63-year member of ACS.

**Gerald R. Umbreit**, retired analytical chemist, September 3, 2010 at 80. He was employed at Upjohn, Lockheed, and F&M Scientific before establishing his own firm, Greenwood Laboratories, in 1966. His articles were published in pharmaceutical, chromatography, and environmental journals. Umbreit helped found the Chromatography Forum of the Delaware Valley and received the forum's award for promoting education in chromatography in 1985. He was a 56-year member of ACS.

**Raymond G. Bistline**, retired scientist formerly with the Eastern Regional Research Center of USDA, September

18 at 86. One of his major areas of research was detergents. He was a 61-year member of ACS.

**Harry F. Mason**, retired analytical chemist formerly with Rohm and Haas, September 25 at 89. He retired in 1991 after 43 years.

**Andrew N. Gettes**, retired chemistry teacher, September 27 at 70. He taught high school chemistry at Roxborough High, Philadelphia High School for Girls, and Martin Luther King High School. He retired after 34 years and taught chemistry to nursing students at La Salle University for 14 years.

**Joseph Spitz Breskman**, retired paint industry executive, September 30 at 93. He served in the Navy during WWII, spending two years on Guam as a meteorologist. He founded Sentry Paint and Chemical Company in 1949 and opened plants in several states. He retired as chairman and CEO.

**Carl P. Richardson**, retired chemist, formerly with the Defense Logistics Agency in Philadelphia, October 21 at 79. He retired from Defense Logistics in 1994 after 30 years with the agency.

**Lee M. Raden**, retired chemist, October 22 at 85. After serving in WWII as a bomber pilot with 33 air missions he worked as a chemist for E.F. Houghton and then Quaker

Chemical. He eventually was named national sales manager for Quaker and for Fabricated Metals, Inc. Raden was an avid horticulturalist and active in the Philadelphia Horticultural Society and a founding member of the Delaware Valley Chapter of the American Rock Garden Society.

**John F. Sagin**, retired biochemist, October 25 at 89. While working at Walter Reed Army Hospital he completed his doctorate in biochemistry. He conducted research in flu and polio vaccines with Merck & Co. and then Wyeth, retiring in 1986.

**Patricia Marie DeHaven**, former biochemist, October 27 at 67. She was employed as a research scientist and biochemist by Merck & Co, working on vaccines.

**Ernest A. Flaig**, retired chemical industry executive, November 13. He worked for the Pennsylvania Industrial Chemical Corp., which was later acquired by Hercules Inc. He served Hercules as director of export services, then manager of resins in the international department, and director of export sales. Flaig was business director of Hercules Quimica in Mexico for three years before retiring.

### BOOST OUR RATINGS

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## CALL FOR NOMINATIONS

### **The 20<sup>th</sup> 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 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 2011 will be accepted until Tuesday, February 1, 2011.** The nomination package 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. The nomination package may be emailed to [PhilaACS@aol.com](mailto:PhilaACS@aol.com) or nine copies of the nomination materials may be mailed to:

Dr. William R. Ewing  
Chair, Awards Committee  
Philadelphia Section, ACS  
Department of Chemistry  
University of Pennsylvania  
Philadelphia, PA 19104-6323

For more information, please contact the Philadelphia Section, ACS office:  
phone: (215) 382-1589 or email: [philaACS@aol.com](mailto:philaACS@aol.com)

**Award recipients will be honored at our May 2011 Section meeting with a certificate and an honorarium.**

# CHEMICAL CONSULTANTS NETWORK

## JANUARY 12, 2011 MEETING

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

**Date and Time:** Wednesday, January 12, at the Cynwyd Club, Bala Cynwyd, PA; Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM.

### Strategic Alliances for Consultants

**John Newport and Boyd Sorenson (William Golton, Moderator)**

**Abstract:** A strategic alliance is an agreement between two business entities that provides compensation to each for helping the other party get new business. This is particularly relevant for independent consultants and small consulting firms, where one party may encounter a project that it cannot handle, but which would be a good fit for the other party.

We will discuss how these agreements might be structured, and relate successes and failures in these types of arrangements. Several internet sites facilitate this, in addition to interpersonal, ad hoc or formal arrangements. Consultants with experience with strategic alliances, or with an interest in setting them up, are encouraged to attend and contribute to the discussion.

#### Biographies:

**Dr. John Newport** provides consulting and R&D services through Chemventive LLC and ChemInnoLab LLC, in which he is a partner. Previous to this he was a Senior Research Fellow at Hercules Incorporated where, in his 34-year career there, he worked on the R&D side of the fibers, film, RIM, resins and paper businesses. His areas of expertise cover polymer chemistry, surface chemistry, rheology and transport phenomena.

**Boyd Sorenson** is a technical marketing and business expert and executive with over 40 years' experience in defining, launching and operating high-technology new business. Boyd worked 25 years for the DuPont Company, followed by 5 years at W.L. Gore, 4 years importing titanium dioxide from China for North America markets, and 9 years as the President of The CECON Group, Inc.

**Dr. William Golton** worked 32 years at DuPont where he managed a large analytical and physical measurement group, ran a corporate LIMS project, and managed the quality program for a \$2 billion business. He then joined The CECON Group, a broker for independent consultants in science and engineering, where he recently retired as Vice President.

**Location:** The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004. [MAP](#)

**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). Fee, including food and beverages (wine, beer and sodas), is \$25 by the deadline, Thursday, January 6, \$35 afterwards. Late reservations and walk-ins subject to availability. No-shows will be invoiced. Please advise of any special food requirements. There is no charge for talk only; registration is suggested using contact information above.

## CALL FOR NOMINATIONS



### **The 9<sup>th</sup> Annual Philadelphia Section, American Chemical Society AWARD FOR EXCELLENCE IN UNDERGRADUATE TEACHING IN CHEMICAL SCIENCES**

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).

**Nominations for 2011 will be accepted until Tuesday, February 1, 2011.** 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. The nomination package may be emailed to [PhilaACS@aol.com](mailto:PhilaACS@aol.com) or nine copies of the nomination materials may be mailed to:

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Philadelphia, PA 19104-6323

For more information, please contact the Philadelphia Section, ACS office:  
phone: (215) 382-1589 or email: [philaACS@aol.com](mailto:philaACS@aol.com)

**The award recipient will be honored at our May 2011 Section meeting with an honorarium and a plaque.**

## ACS OFFERS SPECIAL BENEFITS FOR UNEMPLOYED MEMBERS

During these tough economic times it is more important than ever to belong to the American Chemical Society. Unemployed members can tap into a host of valuable benefits and services that help them get back in the workforce. And, members in good standing may qualify for an unemployed member dues waiver, allowing them to renew their memberships and keep their member benefits at no cost. Contact ACS at [service@acs.org](mailto:service@acs.org), (800) 333-9511 or (614) 447-3776 for complete details.

Other valuable benefits that help unemployed ACS members get back in the workforce include:

Free registration at ACS National Meetings and greatly reduced registration fees at Regional Meetings. Many meetings offer ACS Career Fairs with on-site interviews.

Special discounts for ACS/Harvard online courses, ACS ProSpectives and Short Courses, and the ACS Leadership Development System.

Membership in the ACS Network, your online resource to connect and communicate with friends, colleagues, and potential employers.

Free Guidance from ACS Career Consultants – ACS mentors offer resume reviews, job search strategies, and interview tips that make you stand out from the rest.

Free access to InterviewStream, an online tool that will sharpen your interview skills

Members-only access to the ACS Salary comparator.

And more!

Contact ACS customer service today at [service@acs.org](mailto:service@acs.org), (800) 333-9511 or (614) 447-3776 today and let us know how we can help.

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### 2011 IUPAC prize for Young Chemists Announced

The IUPAC Prize for Young Chemists has been established to encourage outstanding young research scientists at the beginning of their careers. The prizes will be given for the most outstanding PhD theses in the general area of the chemical sciences, as described in a 1000-word essay.

[Awards](#)

[Procedures](#)

[Deadline](#)

[Participating Countries](#)

[Application Form](#) (Word file - 2.8 MB)

## 621<sup>st</sup> BOARD OF DIRECTORS MEETING

Thursday, May 20, 2010

MacAlister Hall, Drexel University

33<sup>rd</sup> and Chestnut Streets

Philadelphia, PA 19104

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

**Present:** D. Cichowicz, E. Davis, R. Gates, M. Matthews, J. Summers-Gates, K. Thrush Shaginaw, J. Tierney, V. Tortorelli, M. Prushan, A. DeMasi, R. Ewing, S. Miller, W. Smith.

**Present on the phone:** D. Thomas, D. Cook.

**Also:** L. Harper, J. Crawford, A. Heldon, J. Cohen, C. J. Bruner.

**Excused:** K. Yoder Luther, T. Straub, K. Lysko, M. Cichowicz.

The meeting was called to order by Chair J. Summers-Gates at 4:10 PM.

A motion was made (D. Cichowicz) and seconded (A. DeMasi) to accept the minutes of the April meeting as amended. The motion was unanimously approved.

### OFFICER REPORTS:

**Chair (J. Summers-Gates):** Since D. Cichowicz has taken over the position of Treasurer there is a need to fill his seat on the board. The September meeting will take place at Yards Brewery (September 16, 2010). Local Section Innovative Projects Grant Program is available from National at:

(<http://portal.acs.org/portal/PublicWebSite/funding/grants/acscommunity/lsinnovativegrant/index.htm>)

The Innovative grants applications are due June 30.

Bill Smith reported the distribution of 210 of the Section's Merck indices. They were donated to students and teachers in Montgomery and Bucks counties as well as students who took the Delaware Valley Science Council's annual scholarship examinations.

**Chair Elect (J. Tierney):** Would like the Section website updated and utilized more for submission of award dossiers, etc., made secure with SECURE link to Google Docs. The website should be updated and maintained by a new outside webmaster. A quote of \$75/hr. for the redesign was mentioned. The topic will be brought up and discussed further by the Publications Committee.

As per financial constraints, the need to make cuts in budget was brought up. One place where cuts could be made is to no longer pay for a professional photographer at many events. The concern of the need for someone to be designated to the job of taking photographs at each Section event was discussed. It was also mentioned that the Section Office has an older digital camera and it was offered for use at Section events.

Online elections were discussed. J. Crawford mentioned using SurveyMonkey, as a secure

means of online elections. It was suggested to use a postcard mailing to alert Section members of the availability of both the online and paper ballot options. The bio-sketches of the candidates would be published on the website. The concern of the current wording regarding online voting and publishing the election materials on the website in the by-laws was mentioned. The need to check with National was brought up. The urgency of starting work on online elections was also mentioned. J. Tierney agreed to look into the matter. **Secretary (M. Prushan):** no report.

**Treasurer (D. Cichowicz):** A motion was made and seconded (V. Tortorelli) to accept the Treasurer report. The motion was unanimously approved.

**Finance Committee (V. Tortorelli, J. Falcone, A. DeMasi, J. Tierney and D. Cichowicz):** made financial recommendations for the Section.

(a) Ask for reality for each budget item (i.e., Council Affairs Committee) in future budgets — each committee/group chair is responsible for preparing a committee report each year that contains justification for expenditures both present and future—need to specifically state what money will be used for.

(b) Ask those responsible for budget line items to report where cuts can be made between now and December to prevent finance audit and budget forced cuts.



(c) FBA/IVBT needs to be re-instituted as National will no longer handle our investments, Jim Falcone to head group to be determined.

(d) If we use the \$28K budgeted this year, no money will be available next year if the current formula is followed.

The general feeling of the Finance Committee was to make cuts if programming is to continue.

The possibility of PAGES innovative grants was suggested to subsidize some programming.

A group will meet to discuss concerns with Council members about councilor expenses.

### **OTHER BUSINESS:**

Kathleen Shaginaw reported that the successful spring PAGES event had 115 girls and 46 volunteers. There was a positive response to the survey of teachers done in November. PAGES is launching a web site. They have received \$1000 from the National Girls Collaborative. The American Association of University Women (AAUW) is having an event, Vision 20-20, at the Constitution Center on October 22. There will be two delegates per state. K. Thrush Shaginaw will be an ambassador from Pennsylvania. J. Cohen reported that the names of the 2010 Philadelphia Section

ACS Fellows (J. Burke, M. Abou-Gharbia, S. Sieburth, G. Molander, H. Whalen nominated) would be announced on the National website.

National is requesting the Section tax return.

Tom Straub stated that one of the local Chemistry Olympiad winners (Richard Wang) made it to the training camp at the Air Force Academy.

There being no other business, the meeting was adjourned at 5:07 PM.

Respectively submitted,

Michael Prushan, Secretary



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**623rd BOARD OF DIRECTORS  
MEETING**

**Thursday, September 16, 2010**

**Yards Brewing Company  
Philadelphia, PA 19123**

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

**Present:** D. Cichowicz, M. Prushan, R. Gates, M. Matthews, J. Summers-Gates, K. Thrush Shaginaw, J. Tierney, K. Lysko, A. DeMasi, S. Miller, W. Smith, T. Straub.

**Present by phone:** R. Ewing, E. Davis, V. Tortorelli, K. Yoder Luther, M. Cichowicz.

**Also:** L. Harper, D. Hausner, J. Crawford, W. Golton, A. Warren, A. Heldon.

**Excused:** D. Cook, D. Thomas.

The meeting was called to order by Chairman J. Summers-Gates at 4:15 PM.

**COMMITTEE REPORTS:**

**Council Affairs (A. DeMasi):** A full slate was present at the Boston National meeting, 11 councilors and one alternate. Guidelines for reimbursement of travel costs were discussed.

**Finance, Budget and Audit (D. Cichowicz):** Committee met and decided to open Schwab managed investment pool accounts. R. Ewing commented on the possibility of diversifying the fund. B. Golton reported that the investment goals for the Ulliyot fund are preservation of capital plus income; they were

invested in bond funds with the former Investment Board. It was commented that Vanguard funds are cheaper; Schwab is only \$8.95 per trade. A motion was put forth to accept the decisions made by the Finance committee: 1. the Schwab accounts; 2. electronic transfer of funds; 3. J. Falcone and D. Cichowicz to act as agents. The motion was seconded by A. DeMasi and passed unanimously.

The discussion turned to the Ulliyot Lecture — the question of whether there should be a 2011 and 2012 lecture. K. Thrush Shaginaw mentioned that we should have a lecture since 2011 is the International Year of Chemistry. 2012 was in question because of budget concerns surrounding the Philadelphia Section's hosting of the National Meeting. The conversation comments regarded location, cost of the award and other budget concerns. All agreed that the decisions surrounding the lecture need to be made by the Ulliyot committee.

**National Chemistry Week (V. Tortorelli):** The meeting progressed to the Graduate School forum to be held on October 25 at Villanova University. An application has been made for a \$200 grant from National. V. Tortorelli reported that invitations had not been sent out yet to the graduate schools, which needs to be done soon. Budget issues surrounding forum then took place. The cost is estimated to be between \$700 and

\$800. The money to support this is in the National Chemistry Week budget.

D. Hausner may have updates to lists of undergraduate schools. He can also help out at Villanova.

K. Thrush Shaginaw reported that the materials for the PAGES program are in.

**OFFICER REPORTS:**

**Chair (J. Summers-Gates):** The advantages and disadvantages of moving to electronic voting for the Section election were discussed. A letter was received from the Nominating and Elections Committee; it appears that e-voting is not a cause for high concern. "Mail" in the by-laws may be interpreted as "e-mail." It was agreed that a postcard would be sent out to the entire membership. J. Crawford can help set up SurveyMonkey. Member number can be used for a unique ID. A motion was put forth to change the method of voting to electronic means using the current slate (K. Thrush Shaginaw). The motion was seconded by S. Miller. The motion was opposed by D. Cichowicz. The motion passed. The directions for voting will be in the October issue of *the Catalyst*.

**Chair Elect (J. Tierney):** Mentioned the need for an earlier meeting of the Ulliyot committee; he suggested that there be two permanent representatives from the section to the committee.

## the Catalyst

He is working on modifying the section bylaws.

**Secretary (M. Prushan):** no report.

**Treasurer (D. Cichowicz):** It was mentioned that a large portion of funds were saved by the online version of *the Catalyst*. There is a tax payment from 2009 that was not paid which will probably result in a penalty and interest. A motion was made to accept the treasurer report; A. DeMasi seconded. The report was approved with two abstentions.

The Section extended a thank-you to Tony Addison for a donation.

### OTHER BUSINESS:

K. Thrush Shaginaw reported that the website for the PAGES program is:

<http://www.pagesprogram.org/>. She still needs volunteers for the November 6 program. She is investigating funding from Commerce Bank which would require a copy of our budget. Do we want to give it to them? Should we ask Flint Lewis about this? J. Summers-Gates will check with Lewis. She also needs someone to review the application; R. Gates volunteered.

The Section LinkedIn group was mentioned as a vehicle for recruiting those to be involved in the Section.

Doug Hausner mentioned that the YCC has a monthly social at the Field House (1150 Filbert St), the second Thursday of each month from 5:30-7:00 PM.

Alan Heldon volunteered to run for the board of directors. The board approved his nomination for the fall election.

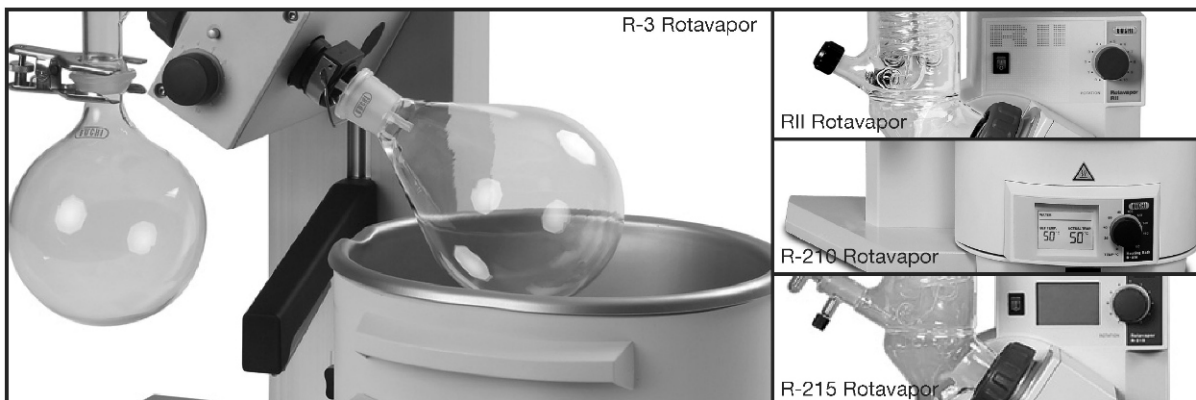
If the board needs a wireless speaker phone for board meetings (about \$100), B. Golton can find a donor.

There being no other business, the meeting was adjourned by Chair Summers-Gates at 5:32 PM.

Respectively submitted,

Michael Prushan, Secretary

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## Philadelphia Section ACS Group on LinkedIn

As many members of ACS are already aware, the website LinkedIn (<http://www.linkedin.com>) is an excellent networking site dedicated to keeping working professionals in touch with one another. As a result, and in an effort to assist in any way that we can, the Philadelphia Section of the ACS has established a group open for all to join. Within this group, discussions can be facilitated as well as the opportunity for new jobs and internships to be posted.

If you already have a profile in LinkedIn, feel free to go to the Groups Section and search for "American Chemical Society - Philadelphia Section." Send a message to the group administrator to become a member. If you are not already on LinkedIn, we highly recommend that you join. Establishing an account is free and easy to set up. For additional information or assistance, please feel free to contact J.P. Northrop, Liaison Committee, at [john.northrop@anton-paar.com](mailto:john.northrop@anton-paar.com)

To join, please click on the following link:

<http://www.linkedin.com/groups?mostPopular=&gid=3366988>

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# 2011 OFFICERS AND BOARD OF DIRECTORS

## OFFICERS

<b>CHAIR</b>	John Tierney
<b>CHAIR-ELECT</b>	William (Rick) Ewing
<b>SECRETARY</b>	Michael Prushan
<b>TREASURER</b>	David Cichowicz
<b>IMMEDIATE PAST CHAIR</b>	Judith Summers-Gates

## DIRECTORS

<u>2009-2011</u>	<u>2010-2012</u>	<u>2011-2013</u>
Melissa Betz Cichowicz	Ella Davis	Anne DeMasi
Victor J. Tortorelli	Denise Thomas	Thomas Straub
Kendra Yoder Luther	Deborah Cook	Kathleen Shaginaw
Marge Matthews	Kathryn Lysko	Cynthia Palmer
John (J.P.) Northrop	William Smith	Douglas Hausner

## COUNCILORS

<u>2009-2011</u>	<u>2010-2012</u>	<u>2011-2013</u>
Cheryl A. Martin	Anne DeMasi	Deborah Cook
Judith Currano	Anthony Addison	Judith Cohen
John G. Nikelly	John Crawford	Judith Summers-Gates
Robert J. Levis	Kathleen Shaginaw	Marge Matthews



## **624<sup>th</sup> Board of Directors' Meeting**

**Thursday, October 21, 2010**

**University of the Sciences  
Philadelphia, PA 19104**

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

**Present:** J. Summers-Gates, J. Tierney, R. Gates, D. Cook, E. Davis, R. Ewing, M. Matthews, W. Smith, V. Tortorelli.

**Present on the phone:** D. Cichowicz, K. Yoder Luther, K. Lysko, T. Straub.

**Also:** J. Crawford (phone), J. Falcone, L. Harper, D. Hausner, A. Heldon.

**Excused:** M. Cichowicz, A. DeMasi, S. Miller, M. Prushan, K. Shaginaw, D. Thomas.

The meeting was called to order by Chairman J. Summers-Gates at 4:05 PM.

There were no minutes from the May or September meetings to approve.

### **COMMITTEE REPORTS:**

**Finance, Budget and Audit:** Jim Falcone, Chair, gave a report on the current financial situation. First, the Finance, Budget and Audit Committee will take over the investment function of the former Investment Board of Trustees and present an annual report on Section finances. The committee now consists of Jim Falcone, David Cichowicz, Anne DeMasi, Bill Golton, Victor Tortorelli, John Tierney and

Cheryl Martin. They are working on a cash flow picture over the year. The goal is \$375,000 in total funds (capital, Ulliot and awards combined). Jim gave a Power Point presentation on the results of different investment styles and investment options. A moderate-conservative approach is recommended by the committee and ACS. K. Lysko was added to the committee.

V. Tortorelli pointed out that active oversight is not the goal so we should stick with a few funds, specifically Vanguard, if Jim Falcone is no longer available to manage the money. Tortorelli made a motion to allow the Finance, Budget and Audit Committee to invest in moderately conservative investments (Davis seconded). The motion was passed.

**Tellers Committee:** Tom Straub reported that the election deadline was extended because the postcards providing directions for casting ballots electronically were not mailed on time. A procedure for validating email addresses needs to be developed. The process of electronic voting needs to be considered an "experiment." There was also a discussion of how to handle members who change their email addresses or whose email address is different from the email filed with National.

### **OFFICERS' REPORTS:**

**Chair (Summers-Gates):** reported that NCW posters are

coming in. The deadline is October 29 to send these to National. Summers-Gates will try to send posters by October 25. The Kids and Chemistry kits offered by National have been very popular and are being re-ordered.

Bob Gates and Judy Summers-Gates did a Career Day presentation at Renaissance Academy School which went very well.

The Graduate School Forum is ready for October 25. Nineteen schools have registered to participate. The Section has received a \$250 nanogrant to support the activity.

**PAGES** is all set for November 6. However Kathy needs more volunteers and has rejected 12 girls as the event is oversubscribed.

Bill Smith and Libby Harper moved and distributed 200 Merck Manuals to various local schools and the Delaware Valley Science Council. Bucks County science teachers received 70. Homes are needed for a few more manuals. D. Hausner requested that some be saved for the poster session in February 2011.

Summers-Gates is gathering information for the annual report. She would like to avoid the last minute marathon that occurred last year. Nominations for ChemLuminary Awards can now be submitted on line at any time. The Section needs to be



more proactive in highlighting its accomplishments. Other Sections get recognition for many of the things Philadelphia Section has been doing, e.g., distributing Merck Manuals.

Summers-Gates is trying to decide on a date for the December meeting and would like input from the Board as to which dates are best.

As part of IYC, the Philadelphia Science Festival will be held April 15-28, 2011. The web site for the festival is:

[www.philasciencefestival.org](http://www.philasciencefestival.org).

**Chair-Elect (J. Tierney):** reported that he called a meeting for planning the Ullyot Lecture for 2011. The meeting had representation from all sponsors of the Ullyot Committee including Philadelphia Section ACS, CHF, USiP, U of PA, and Delaware Section ACS. Concern has been raised over the nature of the speakers selected for the Lectureship. The intent of Glenn and Barbara Ullyot was to have speakers who could address topics of interest to the general public and who could speak to science in the public interest and awareness. There is a commitment on the part of the selection committee to honor those wishes. Philadelphia Section, which controls the Ullyot endowment, can support travel expenses at reasonable rates for the speaker. These funds cannot be used for food or other expenses associated with a dinner or reception for the event. Chemical

Heritage Foundation will continue to host the lecture and support the reception. The next meeting for the Ullyot lecture is scheduled for August 2011. A request for funds needs to be made to the Budget, Finance, and Audit Committee in order that the funds for the Lectureship be placed in the 2011 budget and subsequently committed.

Tierney suggested that a timeline with due dates for specific responsibilities of officers be posted on the Section's web site. This will facilitate the completion of various duties of the Officers. It was pointed out that the Section Policy Manual lists the duties of the Section Officers. However, the manual has not been revised or updated in many years.

**Treasurer's Report (D. Cichowicz):** reported that several lines were added to the budget template. These include 4060 for the Ullyot Lecture, 4660 Transfer to Capital Fund, 4670 Transfer to Award Fund, and 4680 Transfer to Ullyot Fund. As of now the Section is approximately \$42,000 ahead of projection in spending for 2010. A few categories are overspent including 2030 Education that spent more on plaques in order to have plaques on hand and 2190 Social that overspent on the Drexel meeting. In addition, funds that should be shown as Program Committee (2150) expenses have not been moved out

of the Social Committee line item.

Tortorelli moved and Crawford seconded a motion to accept the Treasurer's Report. The motion carried. J. Falcone will be asking for detailed budget requests from committee and topical group chairs in time for a 2011 budget to be presented at the December meeting.

### **OTHER BUSINESS:**

#### **Councilor Reimbursement:**

Prior to the Treasurer's report, Cook made a request to the Board to be reimbursed for additional expenses she incurred in attending the Council meeting at the ACS National Conference in Boston in August 2010. Due to a clerical error, the summary sheet for Councilor Reimbursement was not included with the materials sent to Cichowicz. This resulted in a discrepancy of approximately \$490 less than Cook anticipated receiving. The error was not discovered until the reimbursement check was received. Cook, at Cichowicz' suggestion, made a formal request to the Board to be reimbursed for the additional \$490.04 of which \$367.53 will not necessarily be reimbursed by National. The remaining \$122.51 is the Section's responsibility. Cichowicz indicated that the expenses are allowable for reimbursement, and DeMasi, Chair of Council Affairs, recommended approving the request. Straub objected to approving the request as he feels this would set

a bad precedent in the event of a future similar request. Straub's position was that this would set precedent for any Councilor in the future to not follow procedures and ask the Board to make up any differences or discrepancies. Smith stated that this would not set a precedent as any request would have to be made to the Board and that the Board would always be able to decide whether or not to approve the request. After a lively discussion it was decided that Summers-Gates, DeMasi, and Cook would query National regarding procedures for revising and/or amending Councilor reimbursement requests and to ascertain if National would be able to reimburse Cook or the Section for the additional \$367.53. No formal motion was made, and the

item was tabled for the November meeting.

**Strategic Planning Workshop:** Ewing brought to the Board's attention the offer by National to work with the Section to organize and conduct a Strategic Planning Workshop. ACS would support the costs of their staff time, a consultant, and would provide all materials. The Section would be responsible for supplying a venue and for the food costs. Eight to twelve people are generally involved in the strategic planning session. Crawford reported he had been engaged in this process with Division Activities. Cook gave her perspective as a member of the ACS Leadership Advisory Board (LAB). The Board requested that more information

be obtained. Crawford and Ewing agreed to follow up and report back to the Board at the November meeting.

**NOBCCHE Regional Meeting:** Davis distributed fliers and a tentative agenda for the Northeast Regional meeting of NOBCCHE being held on November 5-6 at the University of Pennsylvania. Sharon Haynie will be the Keynote Speaker on November 5. Registration is free if received prior to October 21.

There being no other business, Summers-Gates moved to adjourn at 6:10 PM. The motion to adjourn was unanimously approved.

Respectfully submitted,

Deborah Cook for Michael Prushan, Secretary.

## THE 2011 MIDDLE ATLANTIC REGIONAL MEETING

The 2011 Middle Atlantic Regional Meeting (MARM) of the American Chemical Society will be held May 21-24, 2011 on the campus of the University of Maryland, College Park, hosted by the Chemical Society of Washington. This meeting will feature national and international leaders in the chemical sciences and will include a broad selection of symposia in BIOCHEMISTRY, ORGANIC CHEMISTRY, INORGANIC / MATERIALS CHEMISTRY, ANALYTICAL / PHYSICAL / THEORETICAL CHEMISTRY, and CAREER, EDUCATION and PROFESSIONAL areas. Several Workshops are planned, and there will be events that feature career development, funding opportunities, and education.

Research presentations are open to all, and symposia will include contributed papers selected from those submitted that best represent the symposium topic. Invited speakers for each symposium will include national and international leaders. Graduate students, postdoctoral associates, and young professionals are encouraged to come to increase their visibility, and undergraduate students will find ample opportunity to learn about employment and graduate school opportunities. There will be activities for senior chemists, who will also be available to advise and inform younger chemists.

The website is <http://www.marm.acs.org>

## BOOK REVIEW—Alan Warren

*Step-Growth Polymerization Process Modeling and Product Design*, Kevin C. Seavey and Y.A. Liu. 744 pages, 6¼ by 9½ inches, casebound, John Wiley & Sons, 2008. ISBN 978-0-470-23823-3, \$145 from John Wiley & Sons, Inc., 111 River St., Hoboken NJ 07030.

This book is based on a series of articles by the authors that appeared in *Industrial and Engineering Chemistry Research*, and addresses the step-growth or condensation polymerization processes used to make polyesters, polyamides, polyurethane, and similar materials. Much of the introductory text includes case studies, followed by fundamentals of simulating stirred tanks and plug-flow reactors, physical properties of polymers, phase equilibrium and mass transfer, reaction kinetics, enthalpy calculations (drying), and flowsheet simulation.

The next section of the book discusses the modeling of step-growth polymerization processes and properties using Polymers Plus by Aspen Technology of Cambridge, Massachusetts. The areas studied with this technology include Nylon-6, polyethylene terephthalate melt process simulation, and polycaprolactone and polyurethane polymerization.

The final section looks at advanced topics including fine-tuning models, multiscale modeling, and recent achievements and future challenges of polymerization process modeling and product design. An appendix lists the computer files pertinent to each chapter, and a glossary defines major terms used in the book.

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## PHILADELPHIA SECTION, ACS

### 2011 CALENDAR OF EVENTS

Date	Event	Locations
Monday, January 10	Delaware Valley Mass Spectrometry Discussion Group: Todd Greco, Princeton University: <i>Complementary mass spectrometry-based proteomics provides novel insights into phosphorylation-dependent mechanisms of histone deacetylase regulation</i>	Villanova University Villanova, PA <a href="http://science.widener.edu/syb/msdg/">http://science.widener.edu/syb/msdg/</a>
Tuesday, January 11	Chromatography Forum of the Delaware Valley: Steven Hansen, DuPont: <i>Analytical Method Transfers</i>	D'ignazio's Towne House Media, PA <a href="http://www.cfdv.org/">http://www.cfdv.org/</a>
Wednesday, January 12	Chemical Consultants Network: John Newport and Boyd Sorenson (William Golton, Moderator): <i>Strategic Alliances for Consultants</i>	The Cynwyd Club Bala Cynwyd, PA <a href="http://www.chemconsultants.org">www.chemconsultants.org</a>
Thursday, January 13 (luncheon)	Joseph Priestley Society: Michael H. Ott, President and CEO, Polysciences, Inc.: <i>Polysciences Inc. -- the First Fifty Years</i>	Chemical Heritage Foundation Philadelphia, PA <a href="http://www.chemheritage.org">http://www.chemheritage.org</a>
Friday, January 14	The American Institute of Chemical Engineers: <i>Ronald McDonald House Dinner Event</i>	Ronald McDonald Front and Erie House Philadelphia, PA <a href="http://aiche-philadelphia.org">http://aiche-philadelphia.org</a>
Tuesday, January 18	Women Sharing a Chemical Moment in Time: Career Pathways for Women in Chemistry Breakfast	Chemical Heritage Foundation Philadelphia, PA <a href="http://www.chemheritage.org">http://www.chemheritage.org</a>
<b>Thursday, January 20</b>	<b>Iron Hill Brewing Co.</b>	<b>West Chester, PA</b>
Thursday, January 27	Philadelphia Organic Chemists Club: Grace Vanier, CEM Corporation: <i>The Microwave Revolution: Recent Advances in Microwave Assisted Peptide Synthesis</i>	University of Pennsylvania Philadelphia, PA <a href="http://www.pocclub.org">http://www.pocclub.org</a>
Tuesday, February 1	International Year of Chemistry (IYC) Launch: Panel Discussion: <i>Global Challenges/Chemical Solutions</i>	Chemical Heritage Foundation Philadelphia, PA <a href="http://www.chemheritage.org">http://www.chemheritage.org</a>
<b>Thursday, February 10</b>	<b>Student Poster Session</b>	<b>Temple University Philadelphia, PA</b>
<b>Thursday, March 17</b>	<b>Edgar Fahs Smith Memorial Lecture: Ada Yonath, Weizmann Institute of Science</b>	<b>University of Pennsylvania Philadelphia, PA</b>
Saturday, April 9	PAGES Program for Sixth Grade Girls	Chestnut Hill College Philadelphia, PA <a href="http://www.pagesprogram.org/">http://www.pagesprogram.org/</a>
<b>Thursday, April 24</b>	<b>Scholastic Achievement Awards</b>	<b>McCall Golf and Country Club Upper Darby, PA</b>
<b>Thursday, May 19</b>	<b>Section Teaching Awards</b>	<b>TBA</b>
<b>Thursday, June 16</b>	<b>Honoring our 50-Year Members</b>	<b>TBA</b>