the Catalyst
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October Speaker
Dr. Eric Borguet

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November 16-19, 2009  Specialists in analytical chemistry or allied sciences — don’t miss the East Coast’s largest analytical event! Our technical program provides must-see presentations, short courses, and workshops, highlighting a century of spectrometry plus many more timely topics. Our exposition showcases the latest and greatest advances in the analytical world, with instruments, software, supplies, and services in 325 booths. Stay open to new ideas. Visit www.eas.org or call (301) 682-3701.

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# The Catalyst

Official Publication of the Philadelphia Section, American Chemical Society

Founded April 15, 1899

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## Advance Notice

### November Meeting

**Ullyot Public Affairs Lecture**

Dr. Joseph DeSimone  
University of North Carolina and North Carolina State University

*Bridging Fields and Harnessing Diversity for the Sake of Innovation: Tackling Unmet Needs in the Life Sciences by Exploiting Developments in Materials*

**Thursday, November 19th**

Chemical Heritage Foundation

See the November *Catalyst* for details, call the Section Office at 215-382-1589, or email PhilaACS@aol.com
And now for something completely different. In this month’s column I would like to ask you to think back on what caused you to become a scientist. What stirred your interest in science, ignited the spark that caused you to choose science, and chemistry in particular, as a way of life? Yes, I said “way of life” not career. Science is truly a way of life, not just a career. Typically, you have an innate inquisitiveness about all aspects of life, not just your job. When you were younger, what factors pushed you into choosing science? Was it that first chemistry set given as a gift, the influence of some teacher or maybe some Mr. Science television show giving demonstrations of various scientific principles? Whatever it was, it ignited the spark for you to go on into a scientific life.

I am not sure that today’s children have the same influences. The chemistry sets of today are mere ghosts of what they previously were. There are very few Mr. Science type programs around and the few that exist are easily swamped by the plethora of other entertainment choices. Because of the existence of the No Child Left Behind and standardized testing programs, science is often tossed aside or given significantly less emphasis than reading and mathematics in order to increase a school’s scores in these areas and therefore its funding. Several science teachers with whom I have talked have told me how their programs are so badly under funded and that students were actually removed from their classes in order to prepare them for standardized tests. Obviously, reading and mathematics are very important, but unfortunately the neglect of science in schools will have dire consequences in the future since a failure to ignite that spark which produces our future scientists means the nation will not move forward in research and inventiveness.

This is where you come in. I strongly urge you to contact your local schools and possibly with some of your colleagues, offer to give some chemistry demonstrations. National Chemistry Week is October 18th through 24th and this is an excellent way to celebrate it. You can contact your local NCW coordinator through PhilaACS@aol.com for resources on demos. Literature on the types of demos that can be given can also be found on the national ACS website or in the local bookstore or library. It would be a shame and a true loss for some future Nobel Prize winner to end up in some dead end job rather than in an inspiring career simply because the scientific spark was not lit. As an added bonus, I think you will find doing demos for these children will make you remember that science was/can be fun. Please think about this and remember that the future is not just in the hands of our next generation but in the older generations that guide them.

PHILADELPHIA STEM TEACHER PROGRAM

The Philadelphia Teacher Residency (PTR) program is a teacher preparation program to retool science, technology, engineering and math [STEM] professionals to teach math and science in Philadelphia schools. For a full school year, program participants (Residents) will learn in a teaching internship at the elbow of veteran teachers in high school classrooms. At the same time, they will take coursework at the University of Pennsylvania Graduate School of Education to earn both a Master’s Degree as well as Pennsylvania teacher certification. Contingent upon the availability of funds, Residents receive tuition supplement and a living stipend to support their full-time training.

For more information see the website http://www.philaedfund.org/potr/index.htm
NEWS ATOMS
The American Chemical Society initiated the designation of ACS Fellow, a title bestowed on members who have exhibited excellence in contributions to the chemical enterprise coupled with distinctive service to ACS or the broader world of chemistry. The inaugural class of fellows was announced at the fall meeting in Washington DC.

Those so honored include independent consultant Ahmed F. Abdel-Magid, former ACS president Paul S. Anderson, Jeannette E. Brown of the Chemical Heritage Foundation, Franklin A. Davis of Temple University, Michelle M. Francl of Bryn Mawr College, former ACS president Catherine T. Hunt, Madeleine M. Joullié and Amos B. Smith, III of the University of Pennsylvania, Bruce E. Maryanoff of Johnson & Johnson Pharmaceutical R&D, and Cynthia A. Maryanoff of Cordis and Johnson & Johnson.

Won-Suk Kim of the University of Pennsylvania received a Roche Excellence in Chemistry 2009 award presented to selected graduate students and faculty during the Roche symposium held in New Jersey in June.

DEATHS
John A. Messina, former director of clinical research at GlaxoSmithKline, July 23rd at 62. He retired from SmithKline after 25 years in 1988 and moved to Phoenixville where he became active in community affairs. He was president of Grandview Medical Research, a firm that he established in 1992 and that conducts clinical trials. In Phoenixville he served on the planning commission and as a member of borough council.


Joseph Cary Touchstone, professor emeritus at the University of Pennsylvania’s School of Medicine, July 26th at 87. He joined Penn’s faculty in 1952 as a research associate and was appointed research professor in the department of obstetrics and gynecology in 1956. His special field was biochemical chromatography and he cofounded the Chromatography Forum of the Delaware Valley.

Irwin Becker, adjunct faculty of Villanova University’s chemistry department. No further details are available.

Henry Corneau Beck, retired chemical engineer, August 18th at 95. He was employed by Sun Oil Co. for 38 years in petroleum R&D. In 1978 he joined the University City Science Center as program manager for energy management and industrial technology. He retired in 1998. In addition to petroleum technology he had experience in pharmaceutical fermentation and held several patents.

Henry Beck was active in service and philanthropic organizations including the Masons and Rotary International. He was a founding member and officer in the American Committee for the Kigosato Education Experiment Project (KEEP) in Japan. Beck held various positions in the Philadelphia Section including chairman, treasurer, secretary, councilor, and member of several committees. He was a 72-year member of ACS.

GOT COCAINE?
You probably have cocaine in your wallet, purse, or pocket. Sound unlikely or outrageous? Think again! In what researchers describe as the largest, most comprehensive analysis to date of cocaine contamination in banknotes, scientists are reporting that cocaine is present in up to 90 percent of paper money in the United States, particularly in large cities such as Baltimore, Boston, and Detroit. The scientists found traces of cocaine in 95 percent of the banknotes analyzed from Washington, DC, alone. The new study suggests that cocaine abuse is still widespread.

Reported at the 238th National Meeting of ACS, the new study suggests that cocaine abuse is still widespread and may be on the rise in some areas. It could help raise public awareness about cocaine use and lead to greater emphasis on curbing its abuse.
**Date and Time:** October 14th, at the Cynwyd Club, Bala Cynwyd, PA; Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM.

**Speaker and Topic:** M. Clyde Stoltzfus, JD—Finding Government Procurement Opportunities for the "New Economy."

**Abstract:** With the passage of the American Recovery and Reinvestment Act of 2009 there is an increased interest in how to find opportunities in the “new economy.” If you or your company has registered with the Central Contractor Register to qualify for government work and you want to develop or refine your skills for finding these new opportunities, this seminar is for you.

Learn how: classification of goods and services impacts contracting and market research; various procurement mechanisms impact buyers and contracting decisions; to search for key decision makers in government; to use procurement history and forecasts for market research.

**Biography:** Mr. Stoltzfus holds a BA in Political Science from Lincoln University and a JD from The Lewis and Clark Law School. He currently manages 4 Centers that provide Government Marketing consulting to businesses in the 10 Southeastern Pennsylvania counties through Centers located at Kutztown, Lehigh, Temple and Widener.

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

**Reservations:** 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). Fee, including food and beverages (wine, beer and sodas), is $25 by the deadline, Thursday, September 3rd, $35 afterwards. Late reservations and walk-ins subject to availability. No-shows will be invoiced. Dietary restrictions accommodated on a limited basis. There is no charge for talk only; registration is suggested using contact information above.

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


**Also Present:** L. Harper, D. Hausner.

The meeting was called to order at 4:32 PM by Chair Gates. The minutes for the March meeting were approved as amended.

**COMMITTEE REPORTS:**
No reports.

**OFFICERS’ REPORTS:**
Chair: R. Gates announced that the speaker for the June meeting would be Dr. Jeannette Brown, and the June meeting would be held at the William Penn Inn.

Chair-Elect (J. Summers-Gates): attended a Careers in Chemistry symposium and represented one of the non-traditional career paths in chemistry which was the topic of the symposium. Summers-Gates has already received a number of inquiries after the meeting.

The Merck Index order has been placed for 250 copies of the Merck Index. A decision needs to be made on how to distribute them and to whom. T. Straub will address this.

One vacancy exists for ACS leadership training at the upcoming 238th National Meeting in Washington DC. The ACS is paying for the session, however, you have to be registered for the meeting.

National Chemistry Week Webinar is May 29th K. Thrush Shaginaw will represent the Section.

A communication was received from a Section member to whom national has sent detailed information about employment possibilities. He wanted the Section to provide him with paper copies of job vacancies a service that the Section does not offer to any local member.

A Science Café operates every 2nd Monday of the month at a bar/grille location in Philadelphia. It might be appropriate to attend these meetings to see the potential for future Section speakers. Sponsors for the Science Café are CHF, Academy of Natural Sciences, the Wagner Free Institute of Science and the Catalyst Continued on page 131
OCTOBER MEETING

The Philadelphia Section, American Chemical Society

presents the

2009 PHILADELPHIA SECTION AWARD

to

Dr. Eric Borguet
Department of Chemistry, Temple University

Single Molecule Charge Transfer and Localization at Interfaces

NEW DAY and DATE
Tuesday, October 20, 2009
5:45 PM

Room 162 Beury Hall
Temple University
1901 North 13th Street
Philadelphia, PA 19122

Dinner following the lecture in the Diamond Club, Mitten Hall
1913 North Broad Street, Philadelphia, PA 19122

Dinner Cost: $20; students with reservation and ID: $10

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 TUESDAY, October 13th. Cancellations, if necessary, cannot be accepted after NOON on Thursday, October 15th. UNCANCELLED RESERVATIONS WILL BE BILLED.

PARKING: Free parking is available in lot #1 between 15th and Broad Streets, south of Norris Street. For map and directions, see http://www.temple.edu/maps/

The Board of Directors will meet at 4:00 PM in the first floor conference room, Barton Hall.
**SPEAKER’S ABSTRACT AND BIOGRAPHY**

**Dr. Eric Borguet**

**Single Molecule Charge Transfer and Localization at Interface**

**Department of Chemistry**  
**Temple University**

**Abstract:** Charge transfer through and between molecules is central to many important processes in chemistry. In particular, studying the conductivity of single molecules can contribute to a better understanding of charge transfer through molecules, and also help develop better molecular wires and other building blocks of molecular electronics, light harvesting devices, etc. We will discuss the results of a number of different experimental approaches designed to understand these processes at the single molecule level.

We measure the conductivity of molecules using the STM break-junction method that utilizes repeatedly formed circuits where one or a few molecules are trapped between two electrodes, at least one of which has nanoscale dimensions. The statistical analysis of thousands of measurements yields the conductance of single molecules. Of particular interest is the role of the molecule-electrode contact, which we have investigated using especially designed linker groups, in conjugated organic oligomers, as well as Peptide Nucleic Acids (PNA).

**Biography:** Professor Eric Borguet is a pioneer in the area of condensed phase and surface chemistry, particularly in the application of nonlinear probes to interfacial nanosystems. Dr. Borguet has changed the way we think about the interfacial systems that control many real world processes. His group made the first measurements revealing that the chemical nature of an interface controls charge carrier thermalization rates. This work set the foundation for our understanding of electron dynamics at the nanoscale with applications in self-assembly, nanomaterials growth and charge transfer at electrochemical interfaces.

Beginning with his success with chemically functionalized germanium and silicon surfaces, Dr. Borguet realized the need for a method to measure the chemical composition of a complex interface, and developed new technology to measure the fluorescence from labeled surface species. The method, called fluorescent labeling of surface species (FLOSS), now allows the detection, identification, and quantification of chemical species at well-defined, complex interfaces. The sensitivity of FLOSS exceeds conventional XPS and IRAS methods, with the advantage of chemical specificity.

Among the most challenging interfaces are those found in nanosystems. Recently, Dr. Borguet’s group has demonstrated nano-lithographic write, read and erase using reversible, templated nanostructures electrodeposited on alkanethiol modified Au(III). Amazingly, his group has demonstrated the ability to measure charge transfer dynamics at the single-molecule level. He has also demonstrated that surface charge density can be exploited to control the kinetics of molecular diffusion and self-assembly.

Dr. Borguet is Professor of Chemistry at Temple University in Philadelphia, PA. He was born in Dublin, Ireland and attended college in France at the Université de Paris-Sud (XI-Orsay) where he studied chemistry and physics. He obtained his PhD in Physical Chemistry at the University of Pennsylvania in 1993, and his post-doctoral training was carried out at Columbia University performing nonlinear optical studies of spectroscopy and ultrafast dynamics at liquid interfaces.

Dr. Borguet has garnered numerous awards including being a US Young Observer to 2007 IUPAC General Assembly and Congress, to being a Visiting Fellow, Japan Society for the Promotion of Science from 2007-2008, to being a Visiting Professor, Université de Bordeaux, France in 1999, to an NSF CAREER Award 1998-2002, to Sigma Xi (The Scientific Research Society). He has also authored over 70 publications.
NEWS FLASH!!!

THE CATALYST GOES GREEN

Yes. It is true. The Catalyst, the renowned and beloved publication of the Philadelphia Local Section of the American Chemical Society, is going to start saving the trees needed to print its issues, starting with the January 2010 issue. What this means to you, our members and subscribers, is that as of this date the Catalyst in its entirety will be found exclusively at membership.acs.org/p/philadelphia and you will be notified, by email, when the new issue is on the website. Be sure your email address listed with the National ACS is up to date to ensure no gap in delivery (email service@acs.org and include your membership number). For those of our members who wish to continue receiving a printed copy or who do not have internet access, a very limited number will continue to be printed and mailed. This service will be available at a cost of $15 per year which defrays the printing, shipping and handling charges and is what other ACS locals are charging for comparable newsletters. However, if you have internet access please consider accessing the Catalyst online. It will help the planet in a small way, since every little bit helps, and will also cut our expenses, a major concern in the present economy. For those of you who still prefer printed copies, please send your request to the Philadelphia ACS office address on page 107 of this copy or email PhilaACS@aol.com.

2009 Ullyot Public Affairs Lecture

Bridging Fields and Harnessing Diversity for the Sake of Innovation: Tackling Unmet Needs in the Life Sciences by Exploiting Developments in Materials

Joseph M. DeSimone
Chancellor’s Eminent Professor of Chemistry
University of North Carolina at Chapel Hill

Thursday, 19 November 2009
Lecture 6:00 p.m.
Reception 7:00 p.m.

Chemical Heritage Foundation
315 Chestnut Street, Philadelphia

This lecture is free and open to the public. Online registration is required by 12 November.

www.chemheritage.org
Nancy B. Jackson

Chemistry is essential to addressing the challenges society faces in developing new energy sources and providing environmental and economic sustainability. Unfortunately, the ability of science in general and chemistry in particular to provide solutions for our challenges is not appreciated by the public. The International Year of Chemistry, 2011, is an opportunity to innovatively communicate science to the public. If elected President, I will use the International Year of Chemistry to its fullest to partner with our international colleagues to communicate chemistry as well as to encourage development of novel methods for conveying to the public the crucial role of chemistry for a sound future. Support we receive for chemical education and research from government and policy makers is dependent upon how much the public values chemistry. With the expertise of our chemical educators—the front line communicators of chemistry to the public—and our volunteers—who have tremendous experience in communicating to the public through National Chemistry Week and other activities—ACS is primed to take the lead on communicating science and the central science of chemistry. Our ability to provide long-term solutions to energy needs or to provide a sustainable future depends on our ability to convey to the public the wonder and importance of chemistry.

I will be a strong advocate for research—at universities, national laboratories, and industry, and will support ACS to be a leader in multidisciplinary and fundamental research. I encourage you to visit my web site at www.NancyJackson.org to learn more. I ask for your vote for ACS President-elect and promise in return to give all my energy and enthusiasm to improving the image of chemistry in order to ensure a vital future for chemistry.

Cheryl A. Martin

“Let’s Build a Sustainable Future with Chemistry”

The ACS President represents the interests of the 150,000+ Society members, providing a strong voice to help shape the ACS agenda and priorities. I am committed to this—truly listening to and understanding what is on YOUR mind. There are many challenges facing the US and the world today where chemists can have a significant impact on the possible solutions. I distill my thoughts on how to approach these challenges into a single word: sustainability—in its broadest sense, both ‘green’ and ‘ongoing’—sustaining our members, sustaining the environment, sustaining jobs in the US and broadly in the field of chemistry, sustaining partnerships that allow the spread of technology developments worldwide, sustaining dreams in the eyes of our children. I believe we must focus our actions, within the tenets of the new ACS Strategic Plan, in four areas: Innovation, Partnerships, Education and Leadership. My expanded statement and more details about me can be found on my blog: http://camartinacscandidate.blogspot.com.

So, why vote for me? Over the past 20 years, I have engaged actively in many ACS local and national events and committees and I believe strongly in the ACS and its mission: “improving peoples’ lives through the transforming power of chemistry.” I have been both an active team member and a leader/mentor and I know how the Society works. My professional career has been varied and challenging, moving from lab bench to marketing, finance to management. Most recently I have had the opportunity to lead the Rohm and Haas Coatings business in Europe, Middle East and Africa, introducing innovative solutions with a significant focus on sustainability. This has been an amazing experience enhancing how I view the possibilities of broad partnerships and diversity of thought to bring new ideas to fruition. I ask for your vote!

Mary Virginia Orna

Critical Analysis for Challenging Times

Local sections are the life blood of the American Chemical Society. ACS officers and volunteers are unsung heroes and heroines who, for “high salaries!” received, perform admirably. Your devoted, selfless, diligent contributions have enabled ACS to become the world’s largest scientific professional organization. Local sections address the “green edge of innovative thought” that, through new models and structures, eventually drives our educational systems and the economy.

All ACS activities share the ultimate goal of promoting chemistry as a fundamental driver that improves the quality of everyone’s life-worldwide. However, humans, not computers, do chemistry. ACS is a membership organization. Thus, our
guiding principle, in whatever we do, should be to keep ACS members’ best interests always in mind—weighing how each decision will affect individual ACS members. So, I solicit your help in learning more about your professional needs and interests.

As ACS President, I will regularly seek your recommendations and inform you of activities and strategies to support and assist your members. I will confer and work with you to improve and strengthen communications, develop resources, sponsor programs, and promote effective policies to enable your Local section to grow and flourish in these challenging times.

This limited statement cannot fully describe the assiduous efforts I will undertake on your behalf, if elected. Please visit www.maryvirginiaorna.net for my complete critical analysis for these challenging times. Contact me at mvorna@cnr.edu with questions and suggestions. I pledge to work with everyone—particularly with you, your Section leaders, Councilors, and committees. I am determined to serve as a responsive, hard-working, committed ACS President. I will be honored to receive your vote and trust to enhance YOUR professional status, the entire chemical enterprise, and ongoing benefits it generates for everyone.

Continued from page 126

the American Philosophical Society.

Bob Gates is retiring from USDA on June 1, 2009; after that date, please contact him at gatesr@att.net.

Secretary: J. Tierney brought up the issue of switching the publication of the Catalyst to an online version.

This would save the Section both printing and postage costs. M. Matthews indicated that this was already under consideration. A mechanism has to be created to facilitate distribution to the few members who do not now have e-mail addresses.

Treasurer (C.J. Bruner): The January social bill was moved into programs as suggested at the April meeting.

We have dropped below the “Tortorelli level” in monies available in the capital accounts. The Section will need to use funds from these accounts in the near future.

The councilors’ bill to the national meeting was paid. C.J. indicated that most of this would be recovered. The question arose as to why all the money is not recovered from National. Apparently there is a discrepancy between IRS rules for receipt reimbursement and ACS rules for reimbursement. The IRS will allow expenses without receipt for under $25; the ACS requires receipts for all expenses irrespective of amount. In future the Section will only reimburse expenses accompanied by receipt.

Other expenses of note to date: Publication costs $15,000; income $7,000; budget $13,000. The Mass Spec group has spent $1800 (ytd) and only have $1200 remaining they need to be made aware of this situation.

OTHER BUSINESS:

K. Thrush Shaginaw reported on the Philadelphia Girls STEM Collaborative. There is a move to strengthen ties between STEM and AWIS. There is a potential proposal for a mini grant to assess the PAGES program in conjunction with AWIS. Another focus of future programs will revolve around the concept of “what can my daughter do next?” There is a move to develop a website that will contain assessment tools. Lots of good ideas and materials available for teachers.

L. Harper indicated that Alan Heldon was presently at a meeting concerning the resolution on the Priestley House. The meeting is with a consortium of a number of local sections and the Pennsylvania Museum Commission.

L. Harper also indicated that a report was received from a Villanova University student as part of the requirement for the Section’s support of her to the 237th National Meeting. No receipts or report has been forthcoming from the student that was supported from another university. The professor will be contacted in reference to this student.

T. Straub proposed that people contact him with ideas for the best way to distribute the copies of the Merck Index that were being delivered to the Section.

R. Gates indicated that there might be discussion on moving the website to another ACS host server. It was decided to leave well enough alone.

There being no further business the meeting was adjourned at 5:26 PM.

Respectfully submitted,

John Tierney, Secretary
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The candidates for President-Elect 2010 are Nancy B. Jackson (Sandia Labs), Cheryl A. Martin (Dow Advanced Materials, Philadelphia) and Mary V. Orna (College of New Rochelle). Director Candidates include, from our region, Dennis Chamot (NRC, Washington), Valerie J. Kuck (Montclair, NJ) and Neil Jespersen (St. John’s U.).

The meeting soon got interesting, because there were petitions presented regarding timelines and procedures for selection of presidential candidates. Firstly, a group of members petitioned that Council give Urgent Action status to a petition proposing preservation of the current bylaws for presidential candidate selection, and their incorporation into the Society’s Constitution. The vote (ca. 50/50) fell short of the 75% required for validation for Urgent Action status, and will consequently be considered as a regular (non-urgent) petition at the Spring 2010 meeting.

Secondly, the Committee on Nominations and Elections (N&E) presented the long-gestated petition proposing (a) shortening the electoral timeline and (b) changing the status of write-in (petition) candidates to that of nominees. It deals with both Presidential and Director elections. For the former in particular, a difference is that proposed N&E nominees currently have to appear before Council for a pre-selection/vetting process, whereas the petition candidates do not. The proposed bylaw change has it that petition nominees would also appear before Council in Spring. There was quite a lot of sometimes emotional discussion, revolving particularly around part (b): (i) some people perceived a danger to the grass-roots democratic process, through limiting the ability of the membership to put forward candidates without vetting by Council; (ii) the question of fundamental fairness—of which candidates might be disadvantaged by the different procedures. Much of this has already been discussed at prior Council meetings. Society Secretary Lewis and Chairman Lane of the Council Policy Committee found their parliamentary skills well exercised, and the N&E Chair, former Philadelphia Section member F.D. Blum conducted this contentious section of the meeting with candor and humor that defused some potentially awkward moments. Finally, Council voted to send the petition back to N&E, asking for it to be logically split into two parts, for consideration in Spring 2010.

In terms of budget, the Society will likely be ca. $528K ahead of the previously approved budget. However, there are certain conservative benchmarks that will not be met this year—hardly surprising, in light of the recent and current economic stresses. The Society is in the process of appealing the adverse Ohio court decision in the Leadscope case. The Chair of the Committee on the Chemical Abstracts Service reported that the Society is working on a significant ongoing problem involving unauthorized access to the Chem. Abs. database. There is a prevailing suspicion that this is connected with an attempt to mount a ‘pirated’ version of the database in Asia.

On the Tuesday evening, early in the ChemLuminary Awards event, Prof. David Katz (Pima Community College) received the prestigious Helen M. Free Award for Public Outreach. Dave, a Chem. Education specialist, will be familiar to many of you as a long-time Philadelphia Section member.

DON’T FORGET TO PAY YOUR LOCAL SECTION DUES!

ONLY $10 SUPPORTS ALL OF YOUR LOCAL PHILADELPHIA SECTION ACTIVITIES!
Philadelphia Section councilors and others at the fall national meeting in Washington, DC. Left to right: Hank Whalen, John Nikelly, Sharon Haynie, Judith Currano, Tom Lane, Anne DeMasi, Georgia Arbuckle-Keil, Katie Hunt and Carol Jean Bruner.
Directory of Services

SEARCHING FOR THAT SPECIAL JOB?

There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net

http://membership.acs.org/p/philadelphia/jobs/

CAREER DEVELOPMENT

Being a part of one of our teams can help you develop organizational and meeting skills as well as help you to network with people from the largest area companies. Public Relations, such as sending out meeting notices and press releases, can help you to develop a network and help you get noticed!

All committees are looking for new members and several are looking for “take charge” chairs. Some, like the Teller’s Committee, involve minimal work—one night per year and pizza provided. Others, like positions on Publications or Social Committees, involve one or two hours per month.

Committee details can be found at:
http://www.membership.acs.org/p/philadelphia

or by calling Mrs. Libby Harper at the Philadelphia section office 215-382-1589.

ELEMENTAL ANALYSIS

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<table>
<thead>
<tr>
<th>DATE</th>
<th>EVENT</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>Oct 1</td>
<td>Delaware Valley Enzymology Club: Brian D'Ignazio's Townhouse, University of Delaware, <em>Exploring the Physiological Function and a Potential Bioscavenger Role of Groups VII and VIII Phospholipase A2 Enzymes</em></td>
<td>Media, PA</td>
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<td></td>
<td>Archie Argyrou, BMS, <a href="mailto:archie.argyrou@bms.com">archie.argyrou@bms.com</a></td>
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<tr>
<td>Oct 12</td>
<td>Delaware Valley Mass Spectrometry Discussion Group: John Erve, Wyeth Bioscavenger Role of Groups VII and VIII Phospholipase A2 Enzymes</td>
<td>Villanova University</td>
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<td><a href="http://www.chemconsultants.org">www.chemconsultants.org</a></td>
<td>Bala Cynwyd, PA</td>
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<tr>
<td>Oct 18-24</td>
<td>National Chemistry Week <em>&quot;Chemistry—It's Elemental!&quot;</em></td>
<td>All Over the Delaware Valley</td>
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<td>Oct 20</td>
<td>Philadelphia Section Award NEW DAY and DATE Dr. Eric Borguet, Temple University</td>
<td>Temple University</td>
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<td>Philadelphia, PA</td>
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<tr>
<td>Nov 9</td>
<td>Delaware Valley Mass Spectrometry Discussion Group: Patrick Callery, West Virginia University, <em>Forensic Mass Spectrometry: When in Doubt, Deuterate</em></td>
<td>Villanova University</td>
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<td><a href="http://science.widener.edu/svb/msdg">http://science.widener.edu/svb/msdg</a></td>
<td>Villanova, PA</td>
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<td>Nov 13</td>
<td>AIChE: Biotechnology Tour, USDA ERRC                                                                                                                                                    USDA</td>
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<td><a href="http://aiche-philadelphia.org">http://aiche-philadelphia.org</a></td>
<td>Wyndmoor, PA</td>
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<td>Nov 19</td>
<td>Ullyot Public Affairs Lecture: Dr. Joseph DeSimone, University of North Carolina and North Carolina State University</td>
<td>Chem. Heritage Foundation</td>
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<tr>
<td>Dec 12</td>
<td>Herb Bassow Memorial Chemistry Demonstrations and Hands-on Activities</td>
<td>TBA</td>
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</tbody>
</table>

**May Teaching Awards Meeting**

Rear: Judith Summers-Gates, Section Chair-elect (left) with Dr. Frances Blase, Haverford College, Philadelphia Section Excellence in Undergraduate Teaching in Chemical Sciences awardee (center) and Neharika Ramani, Conestoga High School, the ACS National Chemists Celebrate Earth Day Illustrated Haiku Contest winner in the 9-12 category (right).

Front: Dr. Barbara Kreider, Moorestown Friends School Philadelphia Section Excellence in High School Teaching awardee (left) with Jean Mihelcic, Conestoga High School teacher (right).