

2009 Executive Officers & Committee Chairs

Chair:

David Carrick
dcarrick@comcast.net

Chair-Elect:

Kathryn Wagner
(609) 258-2937
kmwagner@princeton.edu

Past-Chair:

Andrew Bocarsly
(609) 258-3888
bocarsly@princeton.edu

Secretary / Treasurer:

Sharon Sibia
(609) 520-1288
sharon.sibia@verizon.net

Councilor (2009-11):

Lynne Greenblatt
(732) 274-4549
greenbl1@wyeth.com

Councilor (2008-10):

Louise Lawter
louise.lawter@gmail.com

Webmaster:

Sergio Anis
sergioanis@gmail.com

Alt. Councilor (2009-11) & Earth Day :

Schuyler Antane
antanes@wyeth.com

Alt. Councilor (2008-10) & Outreach:

Bill Barnard
Zev4US@yahoo.com

National Chemistry Week :

Kathryn Wagner
(609) 258-2937
kmwagner@princeton.edu

Government Affairs:

Lynne Greenblatt
(732) 274-4549
greenbl1@wyeth.com

AliQuotes & Public Relations:

Louise Lawter
louise.lawter@gmail.com

Chemagination:

Louise Lawter
chemagination@yahoo.com



Joint Meeting of the Princeton ACS & Central Jersey AIChE

Wednesday, October 21, 2009

our guest speaker will be

Anndria Gaerity
Director, Nuclear Development,
PSEG Power, LLP

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"Nuclear Power – Back to the Future"

Time:	Lecture 6:00 PM; dinner following
Lecture:	Friend Auditorium, Princeton University
Dinner:	Kalluri Corner, Nassau St.

Abstract

From the time that atomic energy was developed into nuclear weapons through the "Atoms for Peace" initiative focused on non-destructive uses for atomic energy and materials, the United States was a world leader in the nuclear industry. In the 1980's, however, following the Three Mile Island accident and the cancellation of almost 100 new nuclear plants, the U.S. reverted to maintaining the "status quo," i.e. to running the existing nuclear generation units and not expanding. Today, the challenges of climate change have revitalized the nuclear industry worldwide and other countries are actively pursuing nuclear growth. And, these countries are, once again, looking to the United States, to take a leadership role. For the good of our common future, we must respond.

Biography

Reporting to the President of PSEG Power, Anndria Gaerity currently leads Stakeholder Outreach and Communications efforts for the PSEG Nuclear Development Team.

Anndria has over 22 years of experience in the energy industry, primarily concentrated in generation strategy and planning, mergers and acquisitions, operational excellence and strategic management initiatives. Since joining PSEG, Anndria has worked with the PSEG Nuclear executive team on a number of strategic initiatives including implementation of the Nuclear Operations Excellence Model and formation of the PSEG Nuclear Development team that is exploring the potential for a new PSEG nuclear reactor.

Prior to joining PSEG, Ms. Gaerity was a consultant with ScottMadden Associates and with Deloitte. She began her career as an engineer at Florida Power & Light. She has a Bachelor of Science degree in Electrical Engineering and a Masters of Business Administration degree.

Reservations

The meeting will be held in Friend Auditorium (1st floor), Princeton University. The Friend Center is located on the corner of William Street and Olden Street (see princeton.edu for map). The seminar is at 6 PM followed immediately by dinner at Kalluri Corner, 235 Nassau St. Princeton, NJ. The seminar is free and open to the public. Reservations are required for dinner, which is \$20 for full members and \$10 for students. All reservations will be billed, for the section pays on the number of reservations, not the number of attendees. Please contact Denise D'Auria at denised@princeton.edu or (609) 258-5202 or by Wednesday, October 14 to make or cancel reservations.



REMINDER

Monthly Dinner Meeting

Tuesday, September 29, 2009

our guest speaker will be

Richard P. Wool, Ph.D.

University of Delaware,
Department of Chemical Engineering and
Center for Composite Materials

"Green Materials for Renewable Energy"

Time: Lecture 6:00 PM; dinner following
Lecture: Frick Laboratory, Room 120, Princeton Univ.
Dinner: Triumph Brewery, Nassau St.

The meeting will be held in Frick Laboratory, Kresge Auditorium (room 120), Princeton University (note: if the main door is locked, please enter by the side door on the right front of the building). The seminar is at 6 PM followed immediately by dinner at Triumph Brewery, 138 Nassau St. Princeton, NJ. The seminar is free and open to the public. Reservations are required for dinner, which is \$20 for full members and \$10 for students. All reservations will be billed, for the section pays on the number of reservations, not the number of attendees. Please contact Denise D'Auria at denised@princeton.edu or (609) 258-5202 or by Tuesday, September 22 to make or cancel reservations.



ACS Elections for 2010 President-Elect

Following are short statements (in alphabetical order) from the three candidates for 2011 ACS President. Please remember to vote in this fall's election.

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 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.

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## HIGHLIGHTS of GOVERNANCE ACTIONS & REPORTS

238<sup>th</sup> ACS NATIONAL MEETING, WASHINGTON, DC  
AUGUST 16-20, 2009

### Petition on Election Timelines

Council discussed in great detail the Petition on Election Timelines and Procedures 2009. This petition proposes to shorten certain election timelines and change petition candidates (who go straight on the ballot if they obtain enough signatures) to petition nominees (who need to be screened by Council along with other nominees chosen by the Committee on Nominations and Elections). Council VOTED to recommit the petition to the Committee on Nominations and Elections with instructions. Following this action, N&E sought input through a nonbinding survey to help guide their revisions. A revised petition will likely be up for action at the 2010 spring Council meeting.

### Registration Report and 2010 National Meeting Registration Fee

As of August 19, 2009, the ACS fall national meeting had attracted 14,319 registrants. This was the largest Washington meeting in history. Totals in select categories are as follows: Regular attendees 8,575; Students 3,159; Guests 462; Exhibit Only 676; and Exhibitors 1,447. In keeping with the objective of the National Meeting Long Range Financial Plan, previously approved by the Board of Directors and Council, the Meetings and Expositions Committee recommended to the Board an increase of \$10 for the 2010 national meeting registration fee. The Board will act on this recommendation shortly.

### Membership Activity

The provisions of the Petition on Membership Categories and Requirements were fully implemented this past June with the transfer of former Student Affiliates to Student Member status, and Associate Members to regular Member status. As of July 31, the Society had 9,732 Student Members – 6,500 of them former Student Affiliates and more than 3,000 of them new Student Members.

### Dissolution of the Division of Chemical Technicians

At the 2009 spring Council meeting, the Divisional Activities Committee (DAC) reported that it had voted to accept a recommendation from the Division of Chemical Technicians (TECH) that the division disband and to recommend this action to Council in the fall. On recommendation of DAC, as recommended by TECH, the

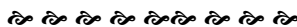
Council VOTED to disband the Division of Chemical Technicians effective December 31, 2009. DAC agreed that TECH has accomplished its mission of enhancing the status of technicians in the American Chemical Society, and now they are integrated into the other technical divisions.

### Board Committees and Task Force Actions

The Committee on Public Affairs and Public Relations announced the designation of “Dip-and-read Tests for Blood and Urine Glucose” (work of Al and Helen Free) as a National Historic Chemical Landmark. The committee also reported on its approval of a new healthcare policy statement, received from the Committee on Economic and Professional Affairs.

On the recommendation of the Committee on Budget and Finance, the Board VOTED to fund a new program (Science Coaches) and to reauthorize an existing program (ACS Green Chemistry Institute ®) in the 2010 budget.



The Board received a briefing on a new program to equip ACS members to be more effective spokespersons for chemistry. It is called the Chemistry Ambassadors program, and information may be found at [www.acs.org/chemistryambassadors](http://www.acs.org/chemistryambassadors).



### **Seeking Volunteers for Program Committee**

In an effort to provide better service to our members, the Princeton Section is establishing a program committee to help plan our monthly meetings and other events. If you are interested in serving on the committee, or if you just have a really good idea for a program, please contact chair-elect Kitty Wagner at 609 258-2937 or [kmwagner@Princeton.edu](mailto:kmwagner@Princeton.edu).

## 🔗🔗 2009 EVENTS CALENDAR 🔗🔗

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|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Wednesday, October 21</p> <p>2:30 PM - 4:30 PM</p>                                                           | <p>Seminar - "Could a Sour Natural Gas Process Convert Carbon Dioxide (CO<sub>2</sub>) and Hydrogen Sulfide (H<sub>2</sub>S) into harmless compounds?" The Stenger-Wasas Process (SWAP) is a suite of hydrocarbon refining solutions that has been verified in the laboratory to rapidly reduce H<sub>2</sub>S to below detectable levels by gas chromatography (under 4ppb) and can convert CO<sub>2</sub> into carbon, water and sulfur industrially. Discoverers of the SWAP invite academicians and experts to discuss the science and its potential contribution to the global warming solution.</p> <p>Location: Philip Alampi Auditorium, Rutgers University Cook Campus, 71 Dudley Road (corner of College Farm and Dudley Rd.) New Brunswick, NJ. Open Admission, rsvp at <a href="http://www.swapsol.com/events.php">www.swapsol.com/events.php</a>. For more information on the seminar series, visit: <a href="http://marine.rutgers.edu/main/IMCS-Seminars/Seminars.html">http://marine.rutgers.edu/main/IMCS-Seminars/Seminars.html</a></p> |
| <p>Wednesday, October 14</p>  | <p>Seminar – "Finding Government Procurement Opportunities for the "New Economy". Speaker is M. Clyde Stoltzfus, Director, Southeast PA Procurement Technical Assistance Centers, University of Pennsylvania. Location: Cynwyd Club, Bala Cynwyd, PA; Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM. To make or cancel a dinner reservation, e-mail <a href="mailto:CCNReservations@aol.com">CCNReservations@aol.com</a> or call the ACS office at 215-382-1589. For more information see <a href="http://www.chemconsultants.org">www.chemconsultants.org</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p>Friday, October 23</p>                                                                                       | <p>Princeton Section of the ACS, National Chemistry Week Activities Night, Princeton University, 7:00PM-9:00PM.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>Thursday, November 5</p>  | <p>Joint Meeting With The Joseph Priestley Society at The Chemical Heritage Foundation. Speaker: Gregg Zank, Chief Technology Officer, Dow Corning. The meeting will begin at 10:00 AM with a Chemical Consultants Networking Event and Reception, followed by lunch at 12:15 PM. Speaker Gregg Zank will take the podium at 1:00 PM. The meeting will adjourn at 2:00 PM. There is a \$25 charge for this meeting. Visit <a href="http://www.chemconsultants.org">www.chemconsultants.org</a> or the CHF web page at <a href="http://www.chemheritage.org">www.chemheritage.org</a> for registration and more information.</p>                                                                                                                                                                                                                                                                                                                                                                                                                           |



"Chemistry is Elemental"

## NATIONAL CHEMISTRY WEEK ACTIVITIES NIGHT

Join the American Chemical Society Princeton Local Section, the Princeton University Department of Chemistry, and the chemistry students of Princeton High School to celebrate National Chemistry Week 2009.

This year's theme is "Chemistry is Elemental." Celebrate the power of the periodic table. Do hands-on activities that show properties of elements, how different elements behave, and how they affect your life. Watch elements combine into compounds, and separate a compound into elements. Build a (virtual) carbon atom, and "see" inside a diamond.

What: National Chemistry Week Activities Night  
Where: Princeton University, Frick Laboratory (corner of Washington Road and William Street), Princeton  
When: Friday, October 23, 7:00PM-9:00PM  
Who: Recommended for ages 5 and up.  
(Under 13 must be accompanied by a responsible adult.)

The event is free and open to the public, however registration is required. Contact Kathryn Wagner at [kmwagner@Princeton.edu](mailto:kmwagner@Princeton.edu), 609 258-2937. Leave your name, contact information, number of adults in your party, and the number and ages of guests 17 and under.

### ★ NOTICE ★

Volunteers are needed to supervise activities at our National Chemistry Week Activities Night on Friday, October 23, 7-9pm. Please help us show that "Chemistry is Elemental." If you're willing and available, contact Kathryn Wagner at 609 258-2937 or [kmwagner@Princeton.edu](mailto:kmwagner@Princeton.edu).