



ALI "QUOTES"

Volume 17, Issue 6

THE NEWSLETTER OF THE PRINCETON ACS November/December 2007

Website <http://www.princeton.edu/~pacs/>

Monthly Dinner Meeting

&

Year End Celebration

Wednesday, December 12, 2007

Our guest speaker will be

Professor Andrew Bocarsly,
Princeton University, Department of Chemistry

Time: 6:00 PM

Lecture: Frick Laboratory, Room 120

Dinner: Prospect House (following lecture)

Research:

Dr. Bocarsly and his students are involved with various projects that are thematically related to the chemistry of materials and the synthesis of new materials with intriguing physical properties. Projects range from exploring the photochemistry associated with the lithographic deposition of platinum and copper on non-conducting and semi-conducting substrates (metallized plastics and glasses) to making detailed studies of liquid-solid interfaces having interesting electronic, photochemical, or electrochemical properties. Two key areas of interest are the chemistry associated with semiconductor-electrolyte interactions and the design, synthesis, and characterization of chemically modified electrode surfaces. These latter studies involve the anchoring of specific molecular species to a conducting or semi-conducting substrate in order to generate an interface having specific chemical or physical properties.

Biography:

Dr. Bocarsly received his Ph.D. in Chemistry from MIT in 1980. He joined Princeton University in 1980 and became Professor of Chemistry in 1994. He is

affiliated with the Princeton Institute for the Science and Technology of Materials (PRISM).

Reservations:

The meeting will be held in Frick Laboratory, Room 120, Princeton University. The seminar is at 6 PM followed immediately by dinner at Prospect House. The seminar is free and open to the public. Reservations are required for dinner, which is \$35 for full members, \$25 for retirees and \$15 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 (609) 258-5202 or denised@princeton.edu by Wednesday, December 5 to make or cancel reservations.



Chemagination 2008

The Princeton and Trenton ACS Sections will be sponsoring Chemagination once again. In Chemagination high school students are asked to imagine that they are living 25 years in the future and have been invited to write an article for ChemMatters, a magazine for high school students that focuses on the role of chemistry in everyday life.

Sharon Sibilia and Louise Lawter are the contest coordinators. The competition will be held at Princeton University on Saturday, February 24, 2008. Information has been sent to area chemistry teachers and the deadline to notify the coordinators of students' intent to participate is December 4, 2007. Information about the contest can be found at www.princeton.edu/~pacs. If you are interested in helping with the contest, please contact the coordinators at chemagination@yahoo.com.



CONGRATULATIONS to our 50 & 60 YEAR MEMBERS!

Each year the section gives special recognition to members that have achieved the milestone of 50 years as an ACS member. This year, we were able to extend this to some chemists that have been members of the society for 60 years. They are:

50 year members

Dr. W. R. Schowalter
Dr. Myron Mehlman
Dr. James Wei

60 year members

Dr. Frank Long
Mr. Joseph Fath
Dr. Paul Finkelstein
Mr. Henry Freedman
Mr. James Haddad
Mr. Arthur Manuel

All were invited to be our guests at our July meeting and summer barbecue that was held on Thursday, July 19. We were pleased that Dr. Long and Dr. Wei were able to attend and receive Certificates of Appreciation for their years of service to the ACS and the section. The Executive Committee of the Princeton ACS extends sincere congratulations to our 50 & 60 year members for 2007.

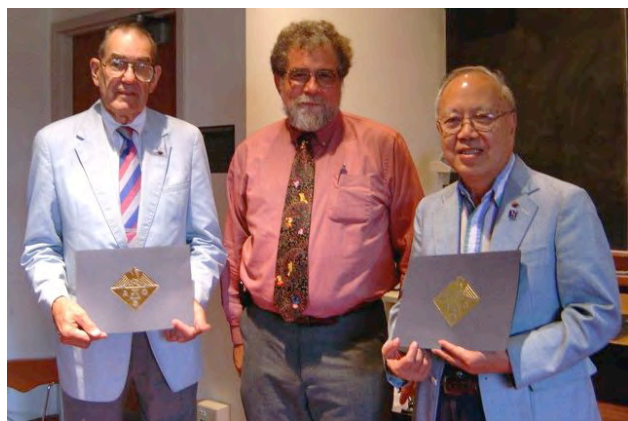


Photo: PACS Chair George Crull (center) with Dr. Frank Long (left) and Dr. James Wei (right)

Section Makes Career Booklet

Many thanks to all who contributed biographies for our "Many Faces of Chemistry" Career Booklet. It was completed in time to distribute copies at our NCW Activities Night. If you would like to see the finished product, it will be posted at www.princeton.edu/~pacs.

This booklet contains career profiles of chemists in our area. If you are a teacher and would like copies to distribute to your students as an aide in exploring career choices, please contact Louise Lawter at louise.lawter@gmail.com.

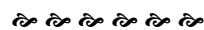


NATIONAL CHEMISTRY WEEK

Activities Night a Success!

Our traditional Activities Night was held at Frick Laboratory, Princeton University, on Friday, October 26. This year's theme was "The Many Faces of Chemistry." About 120 visitors explored different kinds of chemistry and different ways of being a chemist. After watching demonstrations by Kitty Wagner, the "chemists for an evening" went to the laboratory to do activities supervised by volunteers from PACS, local industry, Princeton University and the community. They were able to develop a penny polish, make toothpaste, explore properties of polymers, and launch rockets. They could freeze flowers with liquid nitrogen and make ink, putty, and slime. They could have their face painted with the symbol of their favorite element. In addition, George Chin from the New Jersey State Police Forensics Laboratory showed how molds of footprints are made with new materials that are better than plaster of Paris, and how chemistry helps determine the distance from which a shot has been fired. Because the event was so close to Halloween, participants were invited to come dressed as their favorite element and compete in a costume contest.

Activities Night could not have been done without the help of many fine volunteers, and we extend our grateful thanks to them. They did a lot of work, but a parent's thank-you message makes it all worthwhile. He reported that his son liked every activity and said, "This is the best day of my whole life!"



NCW Activities Night Photo Gallery



Left: Chemistry of Slime!



Above: Happy Contest winners Supergirl: Zoe Prutti and Superman/Krypton Armaan Prutti



Above: George Chin of NJSP Laboratory with Forensic Science Display



Above: Sallie Dunner applying Niobium to Sanil Prutti.



Above: Nathan Zodikov getting some help demonstrating the effect of liquid nitrogen on flowers



Below: Chemists make toothpaste too!

⌚⌚⌚⌚ CALENDAR OF EVENTS ⌚⌚⌚⌚

Wednesday, December 12: **Princeton ACS Dinner Meeting and Year End Celebration.** Our speaker will be Professor Andrew Bocarsly, Princeton University.

December 7, 2007: **Ballots are due** for Princeton Section Elections.

Saturday, February 23, 2008: **Chemagination Competition**, Princeton University Friend Center

September 15-16, 2008: TRI/Princeton will be hosting the **Third International Conference on Applied Hair Science** Princeton, NJ. **Call for Papers:** TRI/Princeton requests submissions on hair science and its applications for oral presentations, technical papers, and poster presentations. Several topics will be highlighted at the Third International Conference on Applied Hair Science, including chemical, physical, and surface properties of hair; measurement of consumer-desired attributes such as luster, body, and smoothness; fundamental mechanisms of hair damage and its prevention; ethnic hair studies; and product efficacy, as well as numerous others. Abstracts for oral and poster presentations must be submitted by **March 2nd, 2008**. Interested applicants should email their abstracts to the Conference Organizer at info@triprinceton.org or complete the Abstract Submission Form on the conference website (<http://www.triprinceton.org/hair2008>).



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ADDRESS CORRECTION REQUESTED

2008 PRINCETON ACS EXECUTIVE COMMITTEE ELECTIONS

CANDIDATE BIOGRAPHIES

CHAIR-ELECT: David Carrick is an analytical chemist with over thirty years experience in the area of pharmaceuticals, consumer products, agricultural chemicals and teaching. He received his PhD in Analytical Chemistry from Lehigh University. Over his career, he has held positions at American Cyanamid, J&J, Pharmaceutical Formulations Inc and Sun Pharmaceuticals, among others. Dr. Carrick is currently consulting in the areas of Analytical Development, Instrument Validation, Quality and Laboratory Training. He has been a section member since 2000 and an active volunteer in our outreach programs, including serving as a judge for Chemagination.

SECRETARY/TREASURER: Sharon Sibilia received her Ph.D. in Inorganic Chemistry from Princeton University in 1997. She currently works for AIL Research, Inc. in Princeton, NJ. She has been an ACS member for 17 years and is an active member of PACS. She is currently an Alternate Councilor and Secretary-Treasurer and has chaired or co-chaired the Chemagination contest for the past several years.

COUNCILOR: Louise Lawter received a B.S in Chemistry from UMass Dartmouth and did graduate work at Boston College. Over her career, she held various positions in the flavor & fragrance industry. She is currently retired. She has been a member of the Princeton Section since 2003 and served as Chair in 2005. She is Editor of the newsletter, AliQuotes, and serves as chair or co-chair of various programs including Chemagination and the Outstanding HS Chemistry Teacher Award.

ALTERNATE COUNCILOR: Bill Barnard received his PhD in Chemistry from Princeton University in 1952. He worked for Johnson & Johnson Research for 37 years and retired in 1990. He has been a member of the section since 1952. He is an active volunteer, assisting with programs such as Chemagination and National Chemistry Week. He also chairs the Outreach Committee, conducting chemistry demonstrations in the local schools.



2008 Official Ballot - American Chemical Society, Princeton Section

The ballot for the 2008 Executive committee members is published here, and also at our web site (www.princeton.edu/~pacs). Please return it by December 7, 2007. Select one candidate for each office.

2008 Chair-Elect (2009 Chair)

☐ David Carrick

☐

Write-in candidate

2008 Secretary/Treasurer

☐ Sharon Sibilia

☐

(1 year term)

Write-in candidate

Councilor 2008-2011

☐ Louise Lawter

☐

(3 year term)

Write-in candidate

Alternate Councilor 2008-2011

☐ Bill Barnard

☐

(3 year term)

Write-in candidate

1. Mark "X" in boxes beside your choices.
2. Cut and fold this ballot. Insert into an envelope **that you provide**, and seal the envelope. **Affix stamp.**
3. On the upper left of the envelope, sign your name **legibly**, and print your address.
4. Mail envelope by **December 7, 2007** to:

Sharon Sibilia, PACS Secretary/Treasurer
C/O Taylor Technology
301D College Road E
Princeton, NJ 08540-6608