



ALI "QUOTES"

Volume 13, Issue 6

THE NEWSLETTER OF THE PRINCETON ACS

November/December 2003

Chairman's Corner

Fiona Case

Case Scientific

It is with some sadness that I write my last "chairman's corner". I have very much enjoyed serving you over the last year. The end of the year is a good time to thank the many people who make our activities possible. Thank you to our 2003 industrial sponsors Wyeth, Firmenich, FMC, Bristol-Myers Squibb and Schering-Plough. Thank you to the Princeton University Chemistry Department for the facilities they provide, and particularly to Denise D'Auria who organizes our dinners, and provides administrative assistance. Thank you also to the staff at Prospect House who have made us welcome for many of our dinners, and will welcome us again at our special Holiday Celebration Dinner on the 11th December as we celebrate a wonderful year. As many of you may already know, I have now moved to beautiful Vermont where Martin (my husband) has a faculty position in the Chemistry Department at UVM. I have left Colgate Palmolive and started Case Scientific, a small company offering contract research, consultancy and technical writing services in industrial polymer and surfactant science and molecular modeling. I will be driving down for the remaining meetings of the year. I wouldn't want to miss John Brahms presentation on The Chemistry of Body Odor on November 12th (he may provide a "scratch and sniff" demonstration), or Istvan's NMR presentation on the 11th December (his last meeting before taking over as your Chairman).

Best wishes and Happy Holidays!

Fiona Case

Fiona@casescientific.com

November Meeting

Speaker: Dr. John C. Brahms
Colgate-Palmolive
Piscataway, NJ

Topic: "The Chemistry of Body Odor"

Date: Wednesday, November 12, 2003
Lecture at 6 PM
Room 324, Frick Laboratory
Princeton University

Dinner immediately after meeting
Kalluri Corner
Princeton, NJ

Abstract: Although there are significant cultural differences in tolerance and even acceptance of natural human odor, body odor is generally considered to be an indication of poor personal hygiene. For almost as long as there has been recorded history, people have attempted to mask or eliminate their body natural odor. Because humans have become less reliant on their sense of smell than other mammals, the role of body odor in human behavior has been largely overlooked until relatively recently.

This presentation will review recent advances in our understanding of the chemical composition of body odor, its potential role in human chemical communication, as well as some recent findings which provide interesting new insights into the malodor formation process. □

INSIDE THIS ISSUE

- 1 Chairman's Corner/November Meeting Notes
- 2 National Chemistry Week Open House
- 3 Member Survey Results
- 5 December Meeting Notes
- 6 2003 COUNCILOR'S REPORT
- 7 Election Ballot/Chair-Elect & Treasurer

National Chemistry Week 2003

Kitty Wagner

The Princeton Local Section National Chemistry Week Open House went very well. Over 200 guests ages 5 and up watched demonstrations and short presentations and did 25 different hands-on activities related to the theme "Earth's Atmosphere and Beyond." They did activities to help them understand phase changes, how gases behave, the structure and chemistry of the atmosphere, how airplanes fly, how rockets work, how pollution travels, how air can be cleaned, and how we know about the composition of the stars.

This was our fourth annual open house, and many guests were returnees. (The crowd gets a little bigger every year!) Most of the guests were children 5-17 with their parents or teachers. Some teachers came to learn activities to do with their classes. (Most were from local schools. Some came from Trenton and surrounding districts. One from Trenton brought students.)

I have already had inquiries about next year's program--and not just from the parents and teachers! The number of children who asked, and who asked their parents to ask, is a testament to the fun of hands-on science and the enthusiasm of the 28 volunteers from Princeton University, from local industries, and from the Princeton Local Section of the ACS, who made it all possible.

Thanks to Princeton University representatives Kevin Lehmann, Mingshaw Wu, Elizabeth Malcolm, Fan Li, Raechel Kipp, Gigi Galliana, Fan Liang, Carol




Rosenfeld,
Erica
Bush,
Laura
Petrillo,



NCW Coordinator, Kitty Wagner and Education Committee Chairperson, Andrew Bocarsly



Brian Greenwald, Ginny Eulo, and Andy Bocarsly; Wyeth representatives Lynne Greenblatt, Schuyler Antane, Madelene Antane, Karen Vasey, Thomas Caggiano, Jennifer Lo, Alex Porte, and Jerome Wu; Firmenich representative Danielle Crammer; Princeton High School teacher Carol Lee; Louise Vivona-Miller; and retirees Bill Sachs and Klaus Wagner. Special thanks to Elizabeth for her presentations on pollution and how it travels, to Schuyler for his presentation on the atmosphere, to Madelene for her creative weather demonstrations and graphics, to Lynne for her graphics and her services as photographer, to Danielle for her successful publicity campaign, and to Ginny for use of her space. Many of the volunteers have participated in all four open houses, including "Chemistry in the Kitchen", "Chemistry in

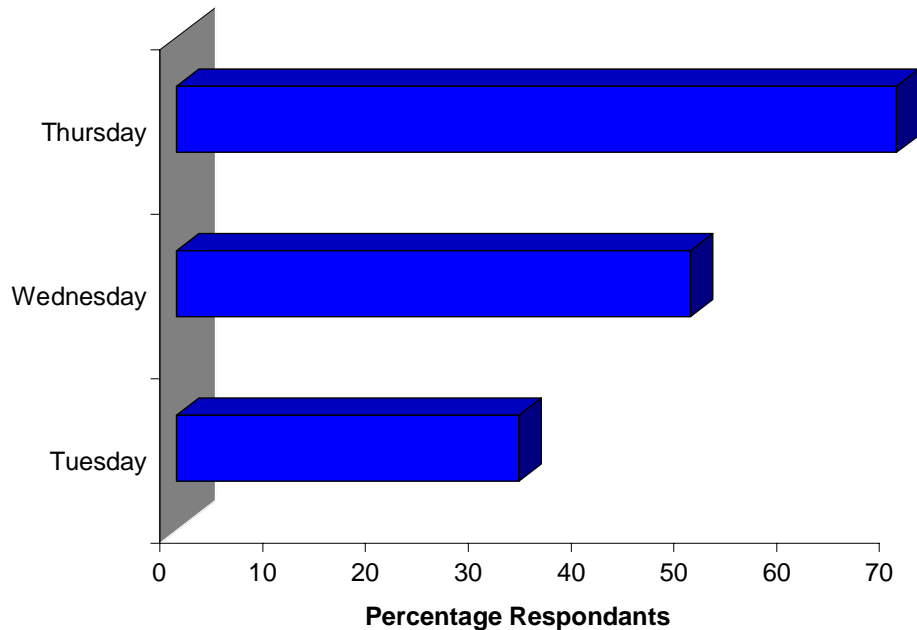
Art", and "Chemistry Keeps Us Clean." Thanks again to the veterans and a special welcome to the newcomers! It has been a delight to work with you. 



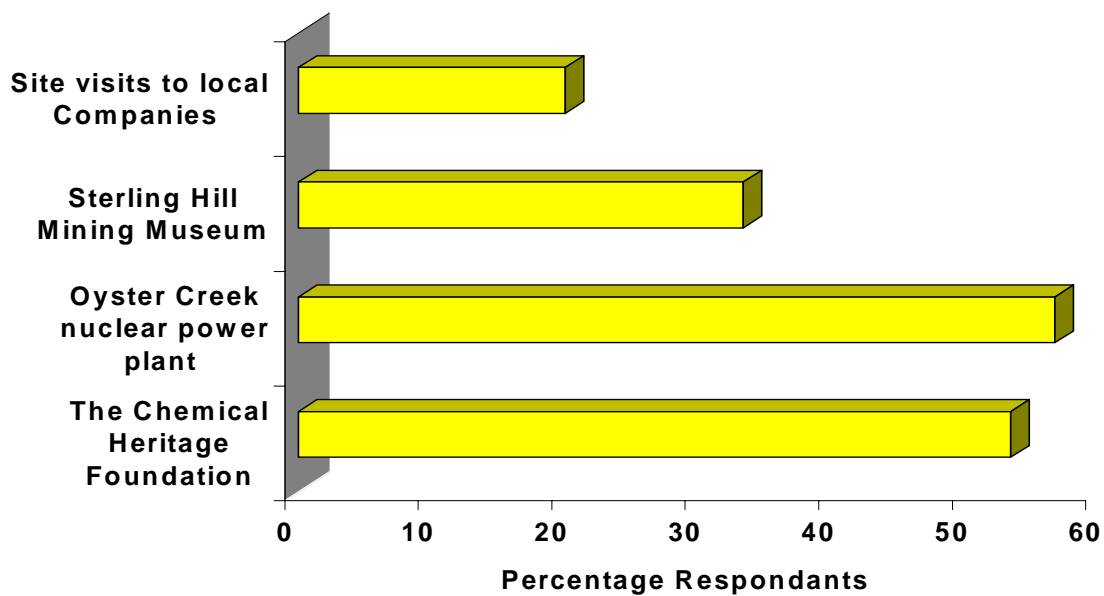
Results of the 2003 Member Survey

Thank you to everyone who participated in the 2003 member survey. We will be planning the future ACS Princeton Local Section activities based on your responses. Highlights are given here.

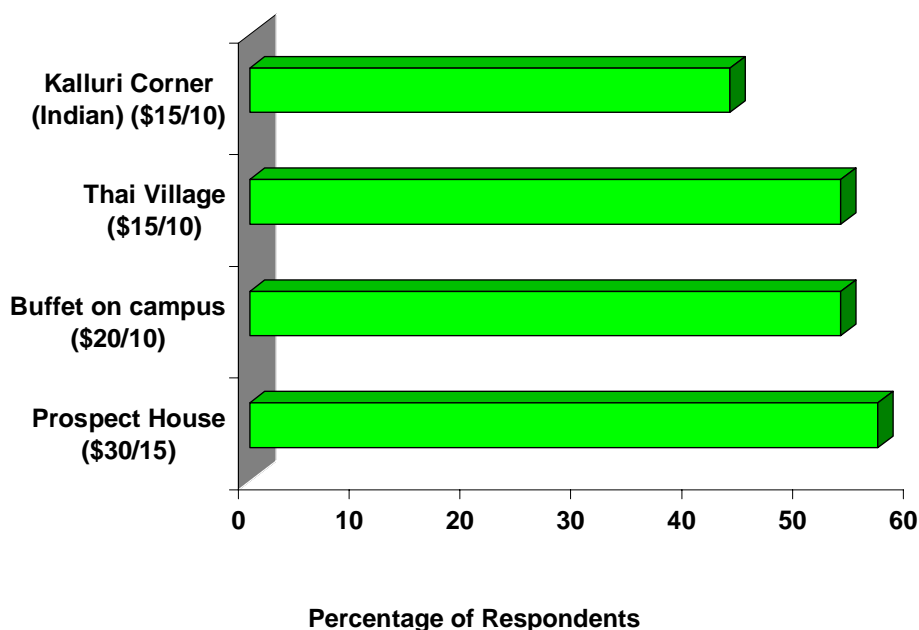
Preferred Meeting Day



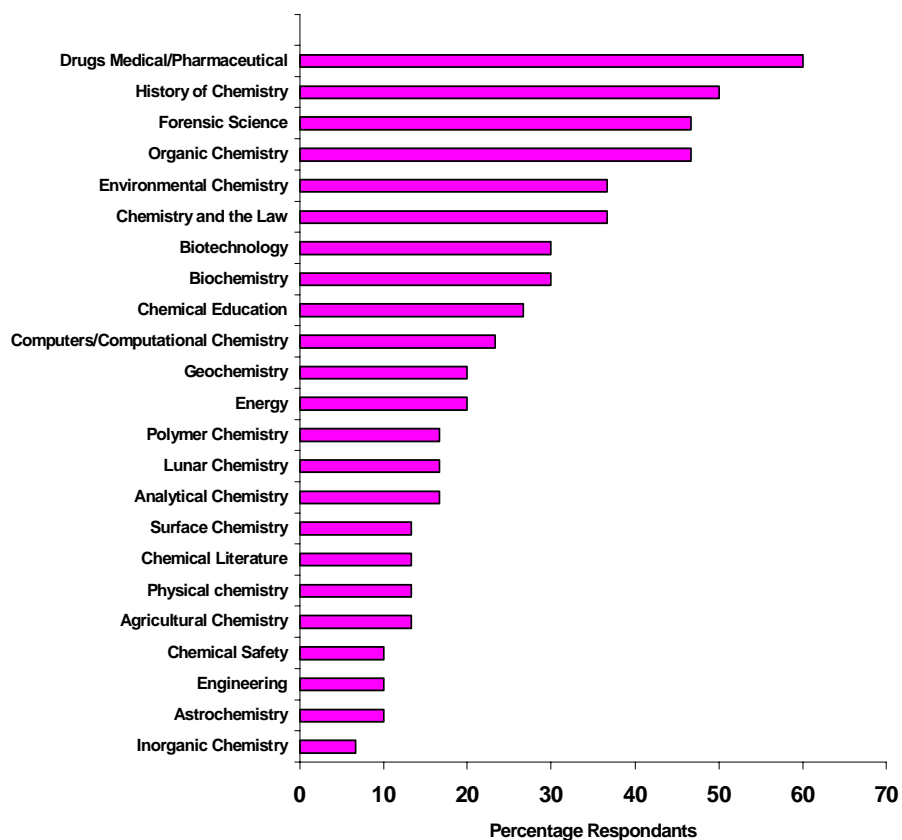
Field Trip Suggestions



After Meeting Venues



Future Meeting Topics



December Meeting

Speaker: Dr. Istvan Pelczer
Princeton University
Princeton, NJ

Topic: Selected Topics of NMR

Date: **Thursday, December 11, 2003**
Lecture at 6 PM
Room 324, Frick Laboratory
Princeton University

Dinner immediately after meeting
Prospect House
Princeton University

Abstract: NMR spectroscopy has become an indispensable tool in drug research in many ways. Structural biology, ligand screening, and metabolic analysis will be the primary subjects of the talk, although synthetic chemistry, natural product analysis, process chemistry, quality assurance all rely on NMR also. The talk will overview the recent technical improvements of NMR, its major achievements in regard of finding and optimizing drugs, studying their toxicology. It also will present current and some expected use of metabolic assessment by NMR, which can lead to early diagnosis of disease state and contribute to personalized medicine. ■



It is not the possession of truth, but the success which attends the seeking after it, that enriches the seeker and brings happiness to him.

Max Planck (1858-1947) German physicist. (Nobel prize, 1918).

2003 COUNCILOR'S REPORT

Barbara L. Lences, Councilor

New York City, NY–September, 2003

Board Chair, Nina McClellan reported to Council that the ACS Board of Directors had considered in great detail a proposed merger of the American Institute of Chemical Engineers (AIChE) and ACS. An ACS/AIChE Joint Governance Task force has been formed to fast track the review. The Budget and Finance Committee reported that ACS will end 2003 with a \$3.1M net deficit and \$1.9M short of the approved budget for 2003. The Committee on Meetings and Expositions (M&E) reported that the meeting registration fee for 2004 would be increased by \$10, which means in 2004 the ACS National Meeting registration fee will be \$285. It was noted in the M&E report to Council that there had been some problems with submission of some papers to multiple Divisions at this meeting.

The Committee on Membership Affairs (MAC) reported a current ACS membership of 155,830 (total membership in 2001 was 163,016). Interestingly, the number of ACS student members for 2003 increased by 1,000 over 2002. It was noted that although the ACS was very interested in attracting young members, the MAC may send letters to members who have had student status for a period of greater than 10 years.

NECH, the ACS employment center at national meetings, reported participation of 97 employers at NYC vs 154 for Boston, 1372 job seekers at NYC vs 1242 for Boston and 1564 scheduled interviews at NYC vs 1850 for Boston (Boston was the fall 2002 national meeting). Clearly, the trend is not encouraging at the moment. The Committee on Economic and Public Affairs reported that the number of available jobs were the same as at the New Orleans meeting in the Spring of this year.

The Big Apple attracted 14,030 attendees, 321 exhibitors with 528 booths. Did you know that NYC is the founding site of this Society? It was so noted in a Resolution by Council thanking the NYC Local Section for being an excellent host. Approximately 7,000 papers were presented over the course of the meeting, which included the second anniversary of 9/11. On a local note, our Congressman, Rush Holt was the recipient of an award by the Committee on Chemistry and Public Affairs. And on a final note of interest for all of our paperless members, the Rubber Division is going to try electronic balloting in 2004.



Anita Brandolini, William Paterson University, presented at our September meeting, based on her recently published children's book, *Fizz, Bubble, and Flash: Element Explorations and Atom Adventures* (Williamson Books, 2003).

Lectures & Dinner Reservations

Lectures are free and open to the public. Reservations are necessary to attend dinner, but not necessary for the lecture. For dinner reservations, please contact Denise D'Auria at (609) 258-5202, denised@princeton.edu.

Dinner reservations must be made **one week** prior to the meeting night. Please call to cancel your reservations if you cannot attend. **NO-SHOWS WILL BE BILLED FOR THE COST OF THEIR DINNER.**

Princeton ACS Officers

This year none of our councilors are completing their terms, we are grateful for the continued service of councilors Barbara Lences and Lynne Greenblatt, and alternate councilors Sharon Sibilia and Kathryn Wagner. Sharon is also our Chemagination coordinator, and Kitty our National Chemistry Week and Earth Day coordinator. Danielle Crammer has agreed to continue as our newsletter editor and PR chair, Jonathan Chun will continue as our webmaster, and Andrew Bocarsly as our education chair. Istvan Pelczer, our current chair-elect, will assume the chair of our section. Two new committee chairs are proposed. William (Bill) Barnard has agreed to be the chair of the schools outreach committee and a representative for our retired members on the board. Regina Miskewitz will be reviving the Princeton ACS Women's Chemistry Committee (WCC). You will be hearing from Regina and Bill in future "AliQuotes" as they announce plans for their new committees. ACS policy requires that certain positions (chair elect, secretary, treasurer and councilors) be decided by an election. The ballot for 2004 chair-elect, and secretary/treasurer is published here, and also at our web site (www.princeton.edu/~pacs). Please return it by November 28th. Our committee chairs are always looking for volunteers to participate in the activities they organize. Contact details are given at our website and in AliQuotes.

Louise Lawter – Chair-Elect

Louise Lawter received a BS in Chemistry from the University of Massachusetts, Dartmouth and did graduate work in organic synthesis at Boston College. She began her career in 1983 as Chemist in the research and development group of Hercules, Inc., Fragrance & Food Ingredients Group. She later held various managerial positions in research and development, becoming the group's Director of Technology in the US in 1991. In 1992 she moved to Sanofi Bio-industries, (now part of Degussa Food Ingredients) where she served as Technical Director for their Flavor & Fruit Systems Group in the US. From 1998-2002 she was Technical Director – Americas, Flavor. She has been a member of the ACS since 1986 and is currently Editor for the Trenton Section newsletter, the Alembic.

John (Jack) Chiarello – Treasurer & Secretary

Jack Chiarello received his Ph.D. in Chemistry in 1988 from the University of Pennsylvania. He is currently employed at FMC, where he is a research associate working in the area of insect control. He was previously employed at Fort Dodge Animal Health and before that at American Cyanamid.



2003 Official Ballot - American Chemical Society, Princeton Section

2004 Chair Elect (2005 Chair)	<input type="checkbox"/> Louise Lawter	<input type="checkbox"/>	Write-in
2004 Secretary/Treasurer	<input type="checkbox"/> John Chiarello	<input type="checkbox"/>	Write-in

Please clip this page, fill out and return by **November 28th** to:

John Chiarello
Secretary-Treasurer
FMC Corporation
P.O. Box 8
Princeton, NJ 08543-0008

CAN YOU HELP?

Wanted: creative web designer or graphic designer to assist with the Princeton ACS website. Volunteer needed to do periodic updates of the website, implement new features. **Long-term commitment not required.** Students encouraged to inquire. Interested parties should contact:

Jonathan Chun
Alliance Technologies, LLC
(609) 951-3145
www.alliancetechgroup.com



2003 OFFICERS / COMMITTEE CHAIRS

Chair:

Fiona Case
Case Scientific
fiona@casescientific.com
fhcase@hotmail.com

Secretary / Treasurer:

John Chiarello
FMC
(215) 321-4879
JOHN_CHIARELLO@fmc.com

Chair-Elect:

Istvan Pelczer
Princeton University
(609) 258-2342
ipelczer@princeton.edu

Councilor:

Barbara Lences
Wyeth Research
(732) 274-4678
lencesb@wyeth.com

Councilor:

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

Alt. Councilor:

Sharon Sibilia
(609) 520-1288
sibilia@erols.com

Alt. Councilor:

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

Newsletter Ed.:

Danielle Crammer
Firmenich, Inc.
(609) 452-1000
danielle.crammer@firmenich.com

Webmaster:

Jonathan Chun
Alliance Technologies, LLC
(609) 951-3145
jchun@alliancetechgroup.com

Education:

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



Princeton Section ACS

Department of Chemistry
Princeton University
Princeton, NJ 08544-1009

US POSTAGE

ADDRESS CORRECTION REQUESTED

Mailing Address
Street Number and Name
City, State ZIP