



ALI "QUOTES"

Volume 15, Issue 5

THE NEWSLETTER OF THE PRINCETON ACS

November/December 2005

UPCOMING MONTHLY MEETINGS

Monthly Dinner Meeting

Wednesday, November 9, 2005

Our guest speaker will be

Andrea Mandel, Certified Packaging Professional

Abstract

Technological advances are frequently limited by the availability of the right materials. The general knowledge to build the jet engine, the airplane or the internal combustion engine existed for many years – but the chemistry of fuels and construction materials had to catch up before any practical applications could actually take place.

So it is with packaging. Sometimes innovations are a result of materials research within the packaging industry itself; sometimes they are technology transfers adapted from other areas. Plastics have played an increasing role in packaging over the last 50 years. In the past, plastic packaging was adopted as material improvements were made: moldability, moisture, vapor and volatile resistance, impact resistance and clarity. These criteria were key in plastic replacement for everything from toothpaste and shampoo containers to soft drinks. Later improvements in high temperature stability led to the ability to replace glass jars and metal containers with plastics for more types of foods with critical requirements. Active packaging and designer materials with controlled transmission rates now permit us to prepack fresh, live produce in convenient sealed bags. New opportunities abound as new materials, processes and combinations become available.

Biography

Andrea Mandel is a graduate of CCNY with a Bachelor of Engineering Degree in Mechanical Engineering and of Rutgers with a Master of Science in Industrial Engineering and Packaging Science. She started her own consulting business in 1993. Prior to this, she worked as a packaging engineer and manager for several companies in food, medical and household products

Andrea has authored a number of articles in the packaging field, including the article on plastic bottle design for the

Wiley Encyclopedia of Packaging Technology. She has performed client and multi-client studies on topics as varied as barrier materials, drug delivery systems, dairy packaging and benchmarking of the role of the packaging department in American corporations today. In addition to speaking at several American packaging conferences, in the late 1990's she presented seminars on free market requirements to newly privatized company CEOs in the former Soviet country of Moldova.

An active volunteer in the Packaging industry, Andrea is a past Chairperson of the Packaging Consultants Council of the Institute of Packaging Professionals. She has been a judge in several major packaging competitions, including DCAT (Drug, Chemical and Allied Trade), and was on the Editorial Advisory Board of Packaging Technology and Engineering magazine.

Reservations

Meeting will be held in room 120, Frick Laboratory, Princeton University (see www.princeton.edu/~pacs for more information). 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, November 2nd to make or cancel reservations.

Dinner Meeting & Year End Celebration

Thursday, December 8, 2005

Our guest speaker will be

Irving Fishman, J.D.

Abstract

Patent law basics and new developments of importance to the chemical inventor will be presented. A focus will be placed on concepts that are typically misunderstood by

the non-patent attorney such as what patents are and how they work. Who is a proper inventor? When should an application be filed? What are the requirements for patentability? Newer developments of patent practice and case law of particular relevance to the inventor chemist and business owner including recent cases such as Integra (research tools); Kinick (International Trade Commission and exclusion orders); Immunomedix (does “and” mean “and” or “or”?) will be presented, as will other aspects of infringement. When to obtain legal “opinions” and from whom will also be discussed.

Biography

Irving Fishman received his B.S. in Chemistry from the Polytechnic Institute of Brooklyn in 1974 and B.S. in Pharmacy from Long Island University in 1976. He received his J.D. from St. John's University in 1983. Since 1998 he has been in private practice limited to chemical and pharmaceutical patent opinions (with a concentration in generic pharmaceuticals), patent application preparation and prosecution, and some related contract matters. Pharmaceutical clients have included: Schein Pharmaceuticals Inc., Faulding Pharmaceuticals, Alpharma, Inc; MediCina LLP, Medisca, Inc, Dr. Reddy's Laboratories, Inc., Able Labs, Inc.; Agis Industries Ltd.; USP and others. Prior to this, he has held positions at Church & Dwight Co., Inc, Trademark and Patent Counselors of America, P.C., Ciba-Geigy Corporation and Bierman, Bierman and Peroff, New York, NY.

He is a member of the New York State Bar Association, the American Intellectual Property Law Association, New Jersey Intellectual Property Law Association, the American Association for the Advancement of Science and the New York Academy of Sciences.

Reservations

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Section Wins Grant!

The Princeton Local Section has been awarded an Innovative Project Grant by the ACS Committee on Local Section Activities. We proposed holding membership drives at local companies and schools with the purpose of

increasing active member participation. A subcommittee has been formed to plan and conduct the drives. If you are interested in helping out, please contact me at L_lawter@hotmail.com.

Chairman's Corner

It is hard to believe that this will be the last column of the year! Our first (and hopefully, annual) joint meeting with the Princeton AICHE on September 19th was a great success. Rep. Rush Holt spoke to a full house on the state of science and science policy in America today. Following his talk, in place of a formal dinner, we had a poster session and reception. Over 15 chemistry and chemical engineering students presented posters on their research. Those in attendance enjoyed the opportunity to talk to the students and mingle with other ACS/AICHE members. Based on the positive feedback, we may do something similar in the future. We continued with the “something different” theme in October, holding our meeting at Wyeth Research. John Dunlop and Jerauld Skotnicki spoke on the drug discovery process from biological and chemical perspectives. We were happy to see a number of new faces among the crowd. Thanks to Wyeth for hosting us and to Lynne Greenblatt for making the arrangements.

Work has begun on Chemagination 2006. Once again the Trenton and Princeton sections are jointly sponsoring the event in which 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. The contest will be held in mid-February at Princeton University. Information had been prepared and mailed out to teachers. The deadline for entering the contest is December 5th. If you would like more information on the contest please email Sharon Sibia or me at chemagination@yahoo.com. You can also check our website at princeton.edu/~pacs/.

We have initiated a new project for 2006. We will be launching a High School Chemistry Teacher of the Year Award. It will be run jointly with the Trenton ACS and awards will be given to a teacher from each section. The winners will automatically be nominated for the regional contest to be held at MARM 2006 in Hershey, PA. We will be sending letters to schools shortly to solicit nominations. If you know of an outstanding teacher that you would like to nominate, contact me at L_lawter@hotmail.com or check our website for forms.

November is election month. A ballot for local section officers is attached. Don't forget to send in your ballots by November 26th. Also, the executive committee will be meeting on November 3rd at Wyeth Research. Interested members are welcome to attend. Please email me at L_lawter@hotmail.com and I will add you to the list!

I hope to see you at our November meeting and our year-end celebration in December.

Louise Lawter, Chair 2005

National Meeting News

The 230th ACS National Meeting was held this past August 28-September 1, 2005. PACS councilors, Barbara Lences and Lynne Greenblatt attended. Some highlights of governance actions and reports are:

Actions of the Council

- **Committee on Committees:** Cherlynlavaughn Bradley, William H. (Jack) Breazeale, Jr., Peter K. Dorhout, Mamie W. Moy, and Connie J. Murphy were elected members.
- **Council Policy Committee:** R. Gerald Bass, Martha L. Casey, Janan M. Hayes, Valerie J. Kuck, and Bonnie Lawlor were elected members.
- **Committee on Nominations and Elections:** Steven A. Fleming, Michelle M. Francl, Peter C. Jurs, Roger A. Parker, and Sara J. Risch were elected members.

Registration Report and 2006 National Meeting Registration Fee: As of August 30, 2005, the ACS fall national meeting had attracted 13,040 registrants as follows: Regular attendees 7,584; Students 2,715; Guests 478; Exhibit Only 468; and Exhibitors 1,795. The 2006 national meeting registration fee of \$305 was announced.

Membership Statistics: The Council was informed that as of July 31, 2005, total ACS membership was 155,567. This is an increase of 282 over the end of July 2004.

Special Discussion Item: A special discussion item was again put on the Council agenda for this meeting. ACS President William F. Carroll described the process being used to develop a Society vision hypothesis that is to be tested with members, customers, governance and other interested parties. Dr. Carroll described the methods used to get member input at the national meeting. ACS national meeting attendees reported 15 common themes to be considered as important to the Society's future. Dr. Carroll sought Council input on the most frequent themes: diversity, young people, governance, multidisciplinary, globalization and outreach. Councilors then engaged in a thoughtful, yet lively exchange of their vision of the Society's long-term future.

Actions Of The Board Of Directors

The Board's Committees and Task Forces: The Board, through its Committee on Grants and Award, approved the following: nominees for both the 2006 Perkin and

Othmer Gold Medals; actions relative to pilot programs of the Petroleum Research Fund; continuation of the Fund's 1% distribution to the Green Chemistry Institute; and approval of a new national award, the ACS Award for Achievement in Research for the Teaching and Learning of Chemistry, sponsored by Prentice Hall Publishers.

- On the recommendation of the Board Committee on Public Affairs and Public Relations, the Board voted to designate the development of Rumford Baking Powder as a national historic chemical landmark.

The Society's Finances: The Board, through the Committee on Budget and Finance, voted to include requests for funding of the following programs in the development of the Society's 2006 proposed budget:

- A two-year pilot program for ACS High School Chemistry Clubs
- ACS activities in connection with the International Science and Engineering Fair
- A leadership development program that delivers a pool of capable, effective and motivated leaders for volunteer roles throughout the Society
- Reauthorization of, and continued funding for the Green Chemistry Institute
- A complete reinvention of the Society's Web Presence

2005 OFFICERS / COMMITTEE CHAIRS

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2006 ELECTIONS

CANDIDATE BIOGRAPHIES

George Crull received his Ph.D. from University of South Carolina, did postdoctoral work at the University of Iowa, then joined SUNY Stony Brook. He has been at Bristol-Myers Squibb for the past 14 years and is currently a Principal Scientist in Drug Development. He has been an ACS member for 23 years. Last year he served as senior co-chair for the NJACS NMR Topical group. He frequently provides science enrichment classes to elementary school children.

Sharon Sibilila 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 16 years and is an active member of PACS. She is currently an alternate councilor and has chaired or co-chaired the Chemagination contest for the past three years.

Lynne Greenblatt received her BS in Chemistry in 1973 from Rutgers University. She has been with Wyeth Pharmaceuticals since 1973, and is currently a Senior Research Scientist in the Cheminformatics Group at Wyeth Research in Princeton. She has been an active member of the Princeton Local Section (PACS), serving as Newsletter Editor from 1991 to 2001, and councilor from 2001 to the present. She currently serves as Secretary on the Public Policy subcommittee of the ACS Committee on Economic and Professional Relations (CEPA).

Kathryn "Kitty" Wagner received her BS in Chemistry from the University of Arkansas, Fayetteville, and her Ph.D. in Inorganic and General Chemistry from the University of Wisconsin, Madison. She has worked as a research chemist in the Textile Fibers Department at DuPont, and she is now a senior technical staff member in the Chemistry Department at Princeton University. Kathryn has been a member of ACS for over 35 years and has served the PACS as alternate councilor and National Chemistry Week coordinator. She also served on the organizing committee for MARM 2003.



2006 Official Ballot - American Chemical Society, Princeton Section

The ballot for the 2006 Executive committee members is published here, and also at our web site (www.princeton.edu/~pacs). Please return it by November 26th.

2006 Chair-Elect (2007 Chair
and 2008 Past-Chair)

☐ George Crull

☐

Write-in candidate

2006 Secretary/Treasurer
(1 year term)

☐ Sharon Sibilila

☐

Write-in candidate

2006 Councilor
(3 year term)

☐ Lynne Greenblatt

☐

Write-in candidate

2006 Alternate Councilor
(3 year term)

☐ Kathryn Wagner

☐

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 **November 26, 2005** to John Chiarello, PACS Secretary Treasurer, FMC Corporation, P.O. Box 8, Princeton, NJ 08543-0008.
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2005 Calendar Of Events

Princeton Section

Monthly meetings are held at Princeton University, Frick Laboratory unless noted otherwise. Lecture is at 6PM. Contact Denise D'Auria at (609) 258-5202 or denised@princeton.edu for more information.

November 3: Executive Committee Meeting, Wyeth Research, Monmouth Junction, NJ. 11:30AM to 1:30PM. Open to all interested members. Contact L_lawter@hotmail.com if you would like to attend.

November 9: Andrea Mandel, Packaging Consultant. Topic: "Better Packaging through Chemistry."

December 8: Irving Fishman, Patent Attorney. Topic: "Patent Law Basics & New Developments."

Trenton Section

Meetings are held at Rider University, Fireside Lounge. Dinner is at 6PM followed by the lecture at 7PM. For more information contact trentonacs@lycos.com.

November 8: Justin Holub, Doctoral Candidate, Department of Chemistry, New York University. Topic: "Clickity click: highly-functionalized peptoid oligomers generated by sequential azide-alkyne [3+2] cycloaddition reactions on solid phase support."

December 13: Les Sperling, Professor, Lehigh University Center for Advanced Materials and Nanotechnology. Topic: "The Molecular Basis of Fracture in Plastics."

MARM 2006 , June 4-7, 2006,

"Chemistry in Chocolate Town," Hershey Lodge and Convention Center, Hershey, PA. Organized by the Southeastern Pennsylvania and Susquehanna Valley Sections in collaboration with MARM Sections. Help organize MARM 2006. GET INVOLVED! Contact general or program co-chairs; visit the MARM website (www.marm2006.org)



Princeton Section ACS

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