Dr. Larry Faulkner Opens PITTCON 2004 with Plenary Lecture

The Pittsburgh Conference is proud to announce that Dr. Larry Faulkner, President of the University of Texas at Austin, will present a Plenary Lecture, “Good Chemical Measurements and Good Public Policies,” to open the Program at PITTCON 2004 in Chicago March 7-12, 2004.

This presentation will have four parts covering (a) illustrations of the impact of analytical chemistry on public debate and public policy, including instances where analytical capabilities actually gave rise to new issues and policies, (b) the manner in which chemical information is handled and understood in public debates, (c) areas of analytical chemistry that will be critical to sound public policy in the future, and (d) implications for the education of leaders and general citizens of modern societies. PITTCON 2004 President John Baltrus stated that, “This shows our continued commitment to bring the most important and recognized speakers in the fields of chemistry and education to PITTCON.”

For more information on the 2004 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, please visit our website http://www.pittcon.org.
Your Invited!

National Chemistry Week, Carnegie Science Center
October 24-25, 2003, 10 AM to 5 PM

National Chemistry Week (NCW) celebrations in Pittsburgh will be held on Friday, October 24 and Saturday, October 25, 2003 at the Carnegie Science Center. Join in the NCW activities as the Pittsburgh Section of the American Chemical Society (ACS) celebrates this year’s NCW theme “Earth’s Atmosphere and Beyond,” honoring innovators and pioneers in aviation and atmospheric chemistry. The mission of National Chemistry Week is to reach out to the public, especially students, with positive messages about the important role chemistry plays in our lives. The activities at the Carnegie Science Center are an ideal forum to promote science and chemistry to young people.

• Visit more than 25 tables with chemistry related hands-on science experiments, activities and demonstrations.

• Register to win chemistry set or one of several prizes.

• Catch special NCW related theater shows throughout each day. (Theater show times and titles subject to change)

Friday and Saturday, October 25-26, 2003

Highmark Science Stage
10 AM and 11 AM both days
Noon (Saturday only)
Undersea Alive
Did you know that the ocean is considered an atmosphere?

1PM (Friday only)
Great American Science Show
Starring Bayer Corporation’s Gerry Lewis.
Gerry Makes Science Make Sense with wide-ranging demonstrations on mixtures and solutions, color separation, biodegrad-ability, and liquid nitrogen!

Works Theater
10 AM, 11 AM, Noon, 1 PM
Cosmic Chemistry Adventure
Join us for a grand science adventure. Sponsored by NOVA Chemicals.

Frankenscience: Mary Shelley’s Prophecy
Show times to be announced (afternoons, starting at 2PM)

Kitchen Theater
11:30 AM - Bubbles and Bread
1:30 PM - Spicy Chemistry
3:30 PM - Saucy Science

For more information contact the Carnegie Science Center at (412) 237-3410 or the Pittsburgh Section’s NCW Coordinator:
V. Michael Mautino
(412) 777-4792
e-mail michael.mautino@bayerpolymers.com

The Pittsburgh Section of the American Chemical Society, The Spectroscopy Society of Pittsburgh, The Society for Analytical Chemists of Pittsburgh, and Bayer Corporation sponsor NCW ‘03.


OCTOBER 24-25, 2003

$2 OFF general admission to
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For Information 412.237.3400
CarnegieScienceCenter.org

One of the four Carnegie Museums of Pittsburgh
JOB SEARCHING FOR CHEMICAL PROFESSIONALS

Presented by
The American Chemical Society, Pittsburgh Section
The Spectroscopy Society of Pittsburgh
The Society for Analytical Chemists of Pittsburgh

Wednesday, November 5, 2003
Duquesne Room, Student Union, Duquesne University, Pittsburgh
Fee: $10.00 (Lunch and Parking in the Forbes Avenue Garage included)

PROGRAM

8:30 A.M. Registration
8:55 A.M. Welcome and Introduction
9:00 A.M. MANAGING AN EFFECTIVE JOB SEARCH
           James Burke, Ph.D. (Retired)
           Rohm & Haas Research Laboratories, ACS Career Consultant
10:40 A.M. Break
10:50 A.M. “Managing an Effective Job Search” continues
12:00 P.M. LUNCH
12:50 P.M. Short Presentation by Tiffany Stouffer, Senior Branch Leader at Lab Support
1:00 P.M. Resume Review and Personal Consultation
3:00 P.M. Concluding Remarks

Please bring your resume in order to participate in the afternoon program
For additional information, contact Bob Theys at 412/823-3077 or theys@pittcon.org

Registration Form
2003 Job Searching for Chemical Professionals
Please make $10.00 check for Workshop Fee payable to ACS Pittsburgh Section
Send this completed registration form to:
Dr. T. J. Weismann, 321 Mellon Hall, Duquesne University, PA 15282

Name_______________________________________________  Resume Review YES  or  NO
Address________________________________________________________________________________
City______________________________State__________Zip____________
Phone_____________________________
E-mail address__________________________________________________________________________
The common notion of a crystal usually brings to mind a gemstone with sparkling facets. Nevertheless, crystals grown naturally or artificially display a myriad of shapes, some faceted and some rounded, the latter failing to display any of the underlying crystal form. If a crystal could grow in quasi equilibrium, it would exhibit an equilibrium shape (Wulff shape) dictated by the minimization of its anisotropic surface free energy under the constraint of constant volume. But crystals do not grow in equilibrium, and would therefore be expected to take on a shape that mirrors their growth environment. But nature is more complex than this! Crystals that grow in response to their environment are, under many growth conditions, unstable and take on morphologies that are a compromise between the conditions of the growth environment and those of equilibrium. These ideas will be illustrated by means of simple physical laws, a few equations, photographs of natural crystals and computer simulations.
Society for Analytical Chemists of Pittsburgh

November Meeting
Monday, November 3, 2003

Duquesne University
Maurice Falk Hall

Social Hour 5:30 P.M./Student Affiliates Meeting
Duquesne Room (Student Union) 5:45 P.M.
Dinner - Student Union
City View Café (6th Floor) 6:30 P.M.
Business Meeting - 7:40 P.M.
Technical Presentation 8:00 P.M.

“Fiberoptic Microarrays for Detecting Chemical and Biological Agents”

David Walt
Tufts University

Dinner Reservation: For dinner reservations, call Linda Wagner at 412/820-8641 or send email to wagner@pittcon.org

Parking Instructions: Duquesne University Parking Garage entrance is on Forbes Ave. Upon entering the garage, receive a parking ticket and drive to upper floors. Pick up a sticker at the dinner/meeting. Contact Mitchell Johnson at Duquesne University if any difficulties arise.

POLYMER GROUP
Pittsburgh Section
American Chemical Society

Wednesday, October 8, 2003

Duranti’s Restaurant
128 N. Craig St.
parking accessible from Neville Street
(one block east of Craig Street)

Color Development, Manufacturing, and Quality Control of Precolored, Clarified Polypropylene Compounds

Daren Suter
Development Manager
Washington Penn Plastic Co.

The developmental, manufacturing and quality hurdles of pre-colored, clarified polypropylene compounds was studied. Color match difficulties, methods of color measurement and manufacturing techniques will be discussed as they relate to the production of transparent and translucent precolored, clarified, polypropylene compounds. Topics will include a discussion of pigment types, pigment forms, compounding methods, color quality control, and specific color measurement methods as they relate to color control action plans.

This will be a joint meeting of the Polymer Group and the Pittsburgh Section of the Society of Plastics Engineers (SPE).

For dinner reservations please contact:
Michael L. White, PPG Industries Corporation
(Tel: 412-492-5458, mlwhite@ppg.com) by Friday, October 3, 2003. Dinner is $16.00 per person; discount rate of $11.00 for retirees and no charge for students.

All are welcome
Hello Pittsburgh Section members!

You may remember that at the 225th ACS National Meeting in New Orleans this past March, the ACS Council voted to change the ACS Constitution and Bylaws to alter the way ACS Divisions and Local Sections receive allocations from the Society. The changes in the Constitution specified that a portion of the dues collected from members will be allocated directly to Divisions and Local Sections, as specified by changes in the Bylaws. The members of the Society ratified this Council action by a vote of 20,430 FOR and 3,197 AGAINST. This is very good news for both Divisions and Local Sections, as it will result in an increase in allotments, allowing these two bodies of the Society to better serve the membership.

As you are probably aware, the 226th ACS National Meeting and Exposition was held in New York City September 7-11, 2003. At the Council meeting, held on Wednesday September 10, 2003, the following items were to be discussed and voted on by the Councilor’s representing each of the Local Section and Divisions. These actions were to include:

- The Committee on Local Section Activities will recommend to Council a name change for the Coastal Empire Section. The section is requesting a change to the “Coastal Georgia” section because the current name is only recognizable to local residents of Georgia and South Carolina.

- The International Activities Committee will recommend that Council approve the formation of a new Hungarian International Chemical Sciences Chapter consisting of all of the areas of the nation of Hungary. 34 ACS members in good standing have petitioned the ACS to become an International Chemical Sciences Chapter and the Board has authorized this action. Upon approval of Council, the Chapter will begin operation.

- Council will also elect members of the elected committees of Council, including the Committee on Committees (ConC), Council Policy Committee (CPC), and Committee on Nominations and Elections (N&E), from the slate of nominees presented by the Nominations and Elections Committee.

Look for a full report of Council activities from the New York City meeting in this column in a future issue of “The Crucible.” As always, if there you have any questions, comments, or concerns that you would like to see addressed regarding the ACS, please feel free to contact any of the Pittsburgh Section Councilors. Remember, as Pittsburgh Section ACS members, you elected these Councilors to be YOUR voice on the national level.

Submitted by Pittsburgh Section Councilors: Paul E. Beck, Richard S. Danchik, V. Michael Mautino (Author), and Theodore J. Weismann
Mark Your Calendars for EAS 2003!

November 17 –20, Somerset, NJ

On behalf of the Governing Board of the Eastern Analytical Symposium and Exposition, I am proud to present a brief preview of EAS 2003. Full details are provided on our website (http://www.eas.org/). I encourage you to bookmark this site to view our Program and courses in full, and to assist you further with registration, housing and other logistics.

There are several aspects of EAS 2003, that I would like to draw particular attention to in this article: We are back in the Garden State Exhibit Center in Somerset, NJ for 2003, and for the future. The Garden State Exhibit Center is within easy driving distance for thousands of scientists from industry, academia and government and the facilities are excellent. For our attendees who are planning overnight stays, our contracted hotels offer excellent and convenient accommodations at special EAS rates.

As has become our tradition, the EAS technical Program is designed to provide practical solutions to your Analytical Chemistry problems. The program encompasses almost all areas of Analytical Chemistry, and there are generally several oral and poster sessions devoted to each topical area. i.e. Raman and Vibrational Spectroscopy; Gas Chromatography; HPLC and Liquid Phase Separations; Magnetic Resonance Spectroscopy; Forensic Analysis; Conservation Science; Microscopy; Career Development and Chemical Education; Compliance, Data Analysis and Management; Pharmaceutical Analysis; Mass Spectrometry, LC/MS and GC/MS; Environmental Analysis; and Process Chemistry. Attendees with a specific discipline can easily attend a “symposium within a symposium”, while generalists can rapidly fine-tune their skills across disciplines.

To complement the Program we are offering a world-class Exposition, with representation from all major vendors of chemical instrumentation and consumables. We have a large selection of Short Courses and Workshops, taught by top instructors, and designed to address today’s analytical issues. To complement these offerings, we have designed Seminars for the scientists of tomorrow, addressing the needs of both high school and undergraduate students. The employment Bureau will be available for those looking for career opportunities in science.

On a personal note, I value EAS as an opportunity to see old friends, colleagues and acquaintances. It’s a small world, and I am sure that you will also find the symposium conducive to renewing old friendships or initiating new ones. The atmosphere in Somerset is very friendly and there are ample opportunities for discussion and networking outside of the formal program.

I invite you to join us again, or if you have not attended EAS in the past or recently, to come and share in the excitement. I look forward to seeing you in November.

Henrik Rasmussen
2003 EAS President

PACS Courses Rescheduled

October courses in Pittsburgh have been re-scheduled for November. October courses are in Chicago IL.

Contact Barb Sherman for more information.
E-mail: Barbpacs@aol.com Phone: 724. 457. 6576

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ACS Remembers Emeritus ACS Member,
Dr. John P. Pellegrini,

Dr. John P. Pellegrini, Jr, Emeritus Member of ACS, and member since 1946 died on Aug 22, 2003 at the age of 77.

Born on Jan 24, 1926 in New Haven, Connecticut, Dr. Pellegrini lived in O’Hara Township for many years prior to moving to the Passavant Retirement Center in Zelienople, PA.

Dr. Pellegrini received his BS in chemistry from Yale University in 1946. He completed his post-graduate work at the University of IL where he received his doctorate in chemistry in 1949. He joined Gulf Oil Corporation in 1949 and retired in 1982. While at Gulf he received an MBA from University of Pittsburgh in 1978. After retiring from Gulf, he provided financial planning and tax preparation services. He was also a member of the Alpha Chi Sigma Fraternity since 1949.

Past ACS Journals Available to ACS SACP and SSP Members or Institutions

The following ACS journals are available to donate to any ACS/SACP/SSP member or institution:

**Polymer Preprints**
1983 to 2001 (2 issues per year)

**Polymer Materials Science and Engineering**
1983 to 2001 (2 issues per year)

For more information please contact:

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PPG Industries, Inc.
440 College Park Drive
Monroeville, PA 15146
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Home phone: 412-621-9305
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**227th National American Chemical Society Meeting**
**CALL FOR PAPERS**

**ACS NATIONAL MEETING**
Anaheim, California
March 28 through April 1, 2004

**General Papers Session**

The Division of Chemical Technicians would like to extend an invitation to all technicians to present technical accomplishments at the ACS Meeting in Anaheim, California. This is a great opportunity to share personal, professional and technical achievements with peers and colleagues at an ACS national meeting.

The general symposium will concentrate on the following technical areas:
- Research and Development
- Chemistry
- Mechanical
- Electrical
- Educational
- Technical work and any facet of technician involvement

Technicians from industry, academia and government are encouraged to present.

Please submit an abstract using the official ACS website HTTP://oasys.acs.org. For further information, please contact:

Jerry L. Lugo
Los Alamos National Laboratory
P.O Box 1663
Los Alamos, NM 87545
PHONE: (505) 667-4304
FAX: (505) 665-4459
E-MAIL: jlug@lanl.gov

**ABSTRACT DEADLINE**
November 1, 2003

Submitted by: V. Michael Mautino
**CAS EXPANDS PATENT COVERAGE AND CURRENCY**

Chemical Abstracts Service (CAS), the leading provider of chemistry-related patent information, has announced several enhancements that build upon its unique patent offering: CAS patent coverage has been expanded by the addition of patents from 6 more countries; the UK and French patent offices have been added to the group of “Core” patent issuing authorities for which CAS delivers patent information within 2 days of issuance; in addition, CAS has broadened its selection criteria to include the US National Patent Classification codes.

The six national patent authorities added to CAS’ regular patent coverage are New Zealand, Estonia, Monaco, Bulgaria, Slovenia and Hong Kong in addition to the African Regional Industrial Property Organization (ARIPO). In total, CAS now offers patent information for 44 active patent issuing authorities.

CAS now offers ultra fast delivery of information from the UK and French patent offices, which have been added to a group of 7 Core patent issuing authorities that also includes the United States Patent & Trademark Office (USPTO), German Patent and Trademark Office (GPTO), Japanese Patent Office (JPO), European Patent Office (EPO) and the World Intellectual Property Organization (WIPO). For these offices, patent bibliographic information and abstracts are available in CAS electronic services within 2 days of the patents’ issuance. Fully indexed records for these patents appear within 27 days.

Additionally, CAS is extending its patent selection criteria by including more classification codes: the US NPC, which began in January 2003, and the ECLA codes and Japan F-Terms to be added to patents in the CA/CAplus files in the near future.

“This latest slate of enhancements builds upon our strength as a unique scientific information resource, and the only one that integrates both journal literature and patents in a comprehensive database with extraordinary currency,” said CAS Editorial Operations Director, Matthew J. Toussant. “The unsurpassed currency of the chemistry-related patent information in the CAplus file continues to be a key reason for STN’s standing as the leading sci-tech information service.”

More information is available on the CAS web site at http://www.cas.org, via email to help@cas.org, or by calling 1-800-753-4227.

Submitted by: V. Michael Mautino

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**Call for Papers**

227th National Meeting of the American Chemical Society
Anaheim, California
March 28 - April 1, 2004

ACS Division of Chemical Technicians cordially invites you to present a paper during the “Diversity Impact within The Chemical Workforce” Symposium

We are looking for individuals who are interested in sharing their diversity experiences within the chemical workforce. Experiences could include your involvement with diversity programs or initiatives as well as diversity experiences that have impacted you as an individual or group within academia, industry, government, and TECH, TAGS, etc. All submissions are welcome!


For further information, please contact:
Carolyn Burnley
E-MAIL: carolyn.burnley@shell.com
Shell Chemical Company
Westhollow Technology Center
3333 HWY 6, Houston, Texas 77082 -3101
Phone:(281) 544-8646   Fax: (281) 544-8687

ABSTRACT DEADLINE: November 01, 2003

Submitted by: V. Michael Mautino
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Content Submitters

Material must be received by the 1st of the month prior to publication for inclusion in The Crucible. This rule will be enforced in order to distribute The Crucible to readers in a timely manner (before the 1st day of every publication month).
October

Mon.  6  Society for Analytical Chemists of Pittsburgh (SACP)
Duquesne University, Maurice Falk Hall
“New Tools for Bioanalysis”
George M. Whitesides, The 2003 Pittsburgh Analytical Chemistry Awardee, Mallinckrodt Professor of Chemistry and Chemical Biology, Harvard University

Wed  8  Polymer Group
Duranti’s Restaurant
“Color Development, Manufacturing, and Quality Control of Precolored, Clarified Polypropylene Compounds”
Daren Suter, Development Manager, Penn Plastic Co.

Wed. 15  SSP Technology Forum
Mellon Science Hall
“Chester Fisher’s Favorite Painting: A Curatorial View”
Marjorie Gapp, Curator of Art and Images, Chemical Heritage Foundation

Wed. 15  Spectroscopy Society of Pittsburgh
Duquesne University, Maurice Falk Hall
“NASA Chandra X-ray Observatory”
Martin C. Weisskopf, Project Scientist, Chandra X-ray Observatory

Tue. 28  ACS Pittsburgh Chemists Club
Duranti’s Restaurant
“Morphology, or How Does a Girl’s Best Friend Acquire Its Shape”
Dr. Robert Sekerka, Carnegie Mellon University

19-22  2003 Central Regional Meeting
Sheraton Station Square, Pittsburgh, PA

24-25  National Chemistry Week Event
Carnegie Science Center, Pittsburgh, PA

November

Mon.  3  Society for Analytical Chemists of Pittsburgh (SACP)
Duquesne University, Maurice Falk Hall
“Fiberoptic Microarrays for Detecting Chemical and Biological Agents”
David Walt, Tufts University

Wed.  5  Job Searching for Chemical Professionals
Duquesne University, Duquesne Room, Student Union