

The Crucible



<http://membership.acs.org/P/Pitt>

Volume: XCIII No.7

March 2008

Café Scientifique

The Pittsburgh Section ACS hosted a Science Café event on Monday, December 3, 2007, at the Penn Brewery. Members of the Western Pennsylvania Technician Affiliate Group (WPTAG) and the Pittsburgh Café Scientifique program organized and ran the event on behalf of the Section. Guest speaker for the evening was Dr. Alan Brown, Executive Director - Pennsylvania NanoMaterials Commercialization Center, who presented "Nanotechnology in Everyday Life." The center's mission is to develop new products and manufacturing processes using promising nanotechnologies that are in their early research stages and have viable commercial potential.



Dr. Alan Brown Presenting at Café Scientifique

The event started out with a social, followed by dinner. After dinner, Dr. Brown discussed the meaning of the term nanotechnology and how it affects our everyday lives, with the 74 people who attended the event. He supplemented the discussion using examples of existing products already in the marketplace which use nanotechnology, and how nanotechnology improves or adds new features to those products. Dr. Brown also provided his personal views on how nanotechnology may affect us all in the coming decades. After a brief intermission, Dr. Brown took questions from the audience. The Q&A was very lively, lasting well over 40 minutes. At the end of the evening several door prizes were given out and a small gift was presented to the speaker.

The event was well attend and included a diverse audience of academia (University of Pittsburgh, Duquesne University, and Penn

State), industry (Alcoa, Bayer, Kemira, and PPG) and others, many of whom are frequent participants in the Pittsburgh Café Scientifique program. Funding for the event was provided through a grant from the national ACS's Local Section Activities Committee "Science Café Seed Grant" program.

More information about the Pennsylvania NanoMaterials Commercialization Center can be found by visiting their web site at: www.pananocenter.org/

What is Café Scientifique?

The Café is a place where anyone interested in science can get together in an informal setting to discuss major science issues with the help of an expert in the field. It is free and open to the public. Best of all, it is not a lecture! After a brief introduction by our guest speaker (in plain, jargon-free English), the evening is dedicated to informal discussion, eating, and drinking. We'll all learn a lot while enjoying the company of accomplished scientists and other people who are interested in science.

The first Café Scientifique was in 1998 in Leeds, the United Kingdom. Check out the international Café Scientifique website to learn more about us at: <http://www.cafescientifique.org/>

Check out the Pittsburgh Café Scientifique's schedule of events at: www.cafescipgh.org/

Submitted by V. Michael Mautino

Stay up-to-date on all the happenings of the Pittsburgh Section ACS by visiting the section's website.

<http://membership.acs.org/P/Pitt>

Contents . . .

Café Scientifique	1
ACS Pittsburgh Energy Technology Group	3
SSP Technology Forum	3
CERMACS Scheduled for Columbus Ohio in June	3
Chemists Celebrate Earth Day Illustrated Haiku Contest	4
Chemists Celebrate Earth Day Illustrated Haiku Contest Rules	5
Society for Analytical Chemists of Pittsburgh April Meeting	6
ACS Pittsburgh Chemists Club	6
ACS Pittsburgh Section Polymer Group Student Poster and Presentation Night	7
Spectroscopy Society of Pittsburgh April Meeting	7
New ACS Strategic Plan for 2008 and Beyond	8
Pittsburgh Section Executive Committee Holds December Meeting at John Harvard Restaurant	8
Retirement Support Group	9
Advertiser's Index	11
Calendar	12

2008 Eastern Analytical Symposium

Creating a Better Tomorrow

November 17 - 20, 2008

Garden State Exhibit Center, Somerset, New Jersey

CALL FOR PAPERS

Deadline – April 15, 2008

The Eastern Analytical Symposium and Exposition is the second largest conference and exposition for laboratory science in the U.S. dedicated to the needs of analytical chemists and those in the allied sciences. We offer high quality cutting-edge technical sessions and state-of-the-art short courses, workshops and seminars. We invite you to be a part of the program by contributing a paper for oral or poster consideration. Please note that all abstracts must be submitted electronically via the EAS web site at www.eas.org. The abstract submission deadline is April 15.

To submit a contributed paper for the 2008 EAS Technical Program, please submit abstracts through our web site at www.eas.org, between March 1 and April 15, and follow the instructions for abstract submission. *Invited speakers must not submit abstracts to EAS until requested.*

Please carefully review the following information:

- All contributed abstracts must be submitted through our web site at www.eas.org between March 1 and April 15, 2008. No faxed, e-mailed, or mailed abstracts will be accepted.
- Please note that no one author may submit and present more than two posters.
- All abstracts will be acknowledged via e-mail.
- The title of the presentation and the list of authors that you submit are final, and may not be changed.
- The abstract that you submit will be considered to be your final abstract that will be printed in the abstract book for the 2008 Eastern Analytical Symposium.
- Presenting authors of contributed submissions will be notified in June 2008 of the status of the abstract and its session assignment.

If you have questions concerning the submission of abstracts, please contact us at:

EAS Hotline	301-682-3701
EAS Faxline	301-668-4312
EAS E-mail	askEAS@aol.com

Eastern Analytical Symposium & Exposition, Inc.
P.O. Box 370, Walkersville, MD 21793

WWW.EAS.ORG

ENERGY TECHNOLOGY GROUP

Pittsburgh Section,
American Chemical Society

Thursday, March 20, 2008

“The Greenidge Multi-Pollutant Control Project: Demonstration of an Innovative Retrofit Option for Smaller Coal-Fired Power Plants”

Presented By:

Daniel P. Connell
CONSOL Energy Inc.

More Restaurant,

214 N. Craig St. Oakland Area,
Pittsburgh PA, 412-621-2700

11:30 am Networking, Cash Bar

12:00 noon Luncheon

1:00 pm Presentation

Dan Connell is an engineer with CONSOL Energy Inc. Research & Development in South Park, Pennsylvania, where his research focuses on the environmental implications of fossil fuel utilization.

Since joining CONSOL in 2003, Dan has served as principal or co-investigator for projects focusing on multi-pollutant control, carbon dioxide capture, and ambient air quality. He currently manages the Greenidge Multi-Pollutant Control Project, which is being conducted to demonstrate a combination of technologies that can cost-effectively reduce emissions of NO_x, SO₂, Hg, acid gases, and particulate matter from smaller coal-fired power plants.

Dan holds a B.S. in chemical engineering from the University of Notre Dame, and he is the author of 15 journal articles and conference proceedings on air pollution.

To register:

Call Christina Carpenter at 412-386-4484.



**Wednesday
April 16, 2008**

“The Intelligent Workplace ”

**Dr. Volker Hartkopf
Carnegie Mellon University**

CERMACS SCHEDULED FOR COLUMBUS, OH IN JUNE

The Central Regional Meeting is scheduled for June 10 – 14, 2008 at the Hyatt Regency Columbus in downtown Columbus. The meeting is planning a very special opening reception that will take place at the COSI. Attendees will be able to tour the museum. Keynote lectures are scheduled each morning from Wednesday, June 11, through Saturday, June 14, 2008. Speakers include Carl Kohrt and Rich Rosen from Battelle, Bruce Bursten, ACS; and Professor Ming-Daw Tsai, Ohio State University.

Visit their website at <http://www.cermacs2008.org/site/> for details and to submit an abstract.

*ACS Cut and Paste
January/February 2008*

Chemists Celebrate Earth Day: "Streaming Chemistry" Illustrated Haiku Contest

As part of their Chemists Celebrate Earth Day celebration, the American Chemical Society (ACS) is sponsoring an illustrated haiku contest for students in grades Kindergarten-12.

A haiku is a three-line poem with five syllables in the first line, seven in the second, and five in the third. Haikus typically have nature-related themes and do not rhyme, as in the example below.

Submerged rocks stare back
through the glistening water
streaming clean and clear.

Possible topics related to streams and chemistry include:

- Water flowing in rivers, creeks, streams, or over dams.
- Adopt a Stream - keeping streams and rivers beautiful.
- Hydroelectric power - energy from falling water.
- Environmental chemistry -keeping water clean.
- Green chemistry - water purification.
- Conservation of water a limited and valuable resource.
- Properties of water - boiling point, freezing point, density, heat capacity, pH, salinity, turbidity, conductivity.
- Phases - solid (ice), liquid, gas (water vapor or steam).
- Chemical changes - hydrolysis of water.

Winners will be selected in each of the following categories:

- K - 2nd grade
- 3rd - 4th grade
- 5th - 8th grade
- 9th - 12th grade

Prizes:

1st Place in each grade category - \$50

1st Place winners will be submitted for the national ACS's CCED Haiku contest

For more information about the CCED 2008 contest,
contact Michael Mautino, CCED Coordinator, at
412-777-4792 or michael.mautino@bayerbms.com

Chemists Celebrate Earth Day Illustrated Haiku Contest Rules

The Pittsburgh Section ACS invites area Kindergarten - 12th grade students to compete in the 2008 Chemists Celebrate Earth Day (CCED) illustrated haiku contest.

Contest Rules

- Poems must conform to the haiku style. Students in grades K-2 may be more free with their syllables; however, no poem may be longer than 25 words.
- The topic of the haiku and the illustration must be related to the CCED theme, “Streaming Chemistry” and should reflect some aspect of water science from the possible topics listed, including the responsible use and care for this limited and valuable resource.
- All entries must be original works without aid from others.
- Each poem must be submitted and illustrated on an unlined 8.5” x 11” sheet of paper (of any type). The illustration must be created by hand using crayons, watercolors, other types of paint, colored pencils or markers. The text of the poem should be easy to read and may be printed with a computer, before the hand-drawn illustration is added, or the poem may be written on lined paper which is cut out and pasted onto the unlined paper with the illustration.
- Only one entry per student will be accepted.
- All entries must have the following information included with the entry: student’s name, grade, home address, telephone number, school name, school address, teacher’s name, email, and school telephone number (both addresses are used for sending prizes; please provide complete information). For home schooled students, just write “Home Schooled” under school name, and note any home school association you may be affiliated with.
- Poems must arrive at the address listed below by Friday, March 28, 2008. Contest will be judged Saturday, March 29, 2008. Late entries will not be accepted.
- Prizes: 1st Place in each grade category will receive \$50.
- Winners of the Pittsburgh Section’s contest will be submitted to the national ACS’s CCED Haiku contest. Local and national winners will be announced on or before April 22, 2008.
- All illustrated haikus become the property of the American Chemical Society.
- Acceptance of prizes constitutes consent to use winners’ names, likenesses and entries for editorial, advertising and publicity purposes.
- ACS is not responsible for lost, damaged, or delayed postal shipments.

Entries will be judged based upon:

- Relevance to and incorporation of “Streaming Chemistry” theme
- Word choice and imagery
- Colorful artwork
- Adherence to haiku style
- Originality and creativity
- Overall presentation

Please send entries by Friday, March 28, 2008 to:

Michael Mautino
3485 Frye Ave.
Finleyville, PA 15332



Society for Analytical Chemists of Pittsburgh



April Meeting Former Chair's Night

Monday, April 7, 2008
Duquesne University, Maurice Falk Hall

Dinner - Student Union, City View Café (6th Floor) 6:30 P.M.
Technical Presentation 8:00 P.M.

Program Title To Be Announced

Patricia M. DeMarco, Ph.D.
Executive Director
Rachel Carson Homestead Association

Bio:

Patricia DeMarco has a thirty year career in energy and environmental policy development and implementation.

She received a Bachelor of Science and a Doctorate in Biology from the University of Pittsburgh. She pursued a career in research at Yale University and at Boston University with a focus on mutation mechanisms. She turned her attention to energy and environmental policy through her work as Executive Director of the Power Facilities Evaluation Council and as staff to the Governor of Connecticut on such issues as nuclear power plant safety, energy conservation, and clean fuels technology. She worked as the manager of resource development for the Connecticut Municipal Electric Energy Co-operative and, as a loaned executive, started up a technology development firm to commercialize declassified defense technology.

She operated and sold her own business, the Energy Roundtable, which merged with another firm to become E Cubed Corporation, an energy trading company. She moved to Alaska in 1998 to take the position of President of the Anchorage Economic Development Corporation. While in Alaska, she served as a Commissioner of the Regulatory Commission of Alaska, with jurisdiction over all electric, gas, water, refuse utilities and oil and gas pipelines. For the last two years, she has served as Associate Dean for the College of Business and Public Policy at the University of Alaska Anchorage.

She returned to her hometown of Pittsburgh in September 2005, and is now the Executive Director of the Rachel Carson Homestead Association in Springdale, PA.

Dinner Reservations: Please email Valarie Daugherty, SACP Administrative Assistant by Thursday, March 27, 2008 to make dinner reservations. Should you not have email, please call Valarie at 412-825-3220 ext 204. Dinner will cost \$8 (\$4 for students) and checks can be made out to the SACP. If you have any dietary restrictions, let Valarie know when you leave message.

Parking: Duquesne University Parking Garage entrance is on Forbes Avenue. Upon entering the garage receive parking ticket and drive to upper floors. Pick up a parking sticker at the dinner or meeting. Contact Dr. Mitch Johnson at Duquesne University if any difficulties arise.

ACS Pittsburgh Chemists Club

Pittsburgh Section, American Chemical Society

The Chemists Club will not meet in March. Details for the April Meeting will be in the next issue of The Crucible.



Society for Analytical Chemists of Pittsburgh

March Meeting

The SACP will not be meeting in March due to Pittcon 2008 Conference and Expo.

The Pittsburgh Conference will be held in New Orleans, LA March 2 - March 7, 2008

BOOST OUR RATINGS

When you tell our advertisers that you saw their ads here they have more confidence in our newsletter's viability as an advertising medium. They advertise more. This supports our many activities.

**POLYMER GROUP
Pittsburgh Section
American Chemical Society**

**Student Poster and Presentation Night
March 18, 2008**

Duranti's Restaurant, 128 N. Craig St. Pittsburgh, PA

Social Hour and Poster Session (cash bar) 5:30 pm

Dinner 6:30 pm

Technical Presentation 7:30 pm

Attention Graduate Students!

The Pittsburgh Section of ACS Polymer group invites graduate students conducting polymer-related research to participate in the Pittsburgh Section of ACS Graduate Student Research Night.

All students who submit an abstract and resume no later than March 10, 2008 will be invited to prepare and present a poster of their work at the March meeting of the ACS Polymer Group. From all abstracts submitted by the deadline, one student will be chosen by a panel of professionals from Academia and Industry to give a technical presentation on their graduate research. This student will be awarded with a certificate signifying the honor of being the ACS Polymer Group 2008 Student Award Winner in addition to a \$150 prize. The winner will be notified by January 31, 2009.

All students presenting posters at the meeting will be provided with free dinner and will be reimbursed up to \$20 for the cost of assembling their poster (receipts MUST be provided). Posterboards will be supplied by the polymer group and will be of standard ACS presentation size.

To register your poster and be eligible for the \$150 Award and Presentation, please submit a title and short abstract of your research along with a brief resume to the Polymer group Chair, Hongying Zhou (zhou@ppg.com) no later than Wednesday, March 10, 2008. Any questions should be addressed to Hongying Zhou.



**SPECTROSCOPY
SOCIETY
OF PITTSBURGH**

**April Meeting
Wednesday
April 16, 2008**

**Duquesne University,
Mellon Hall of Science
(Laura Falk Hall)**

6:00 PM - Social Hour
6:30 PM - Dinner
(City View Cafe - 6th Floor)

***“Fundamental Development
of Vibrational Spectroscopy
for Industrial Applications”***

**Dr. D. Bruce Chase, Recipient of
the 2007 Maurice Hasler Award
E.I. DuPont de Nemours**

Dinner Reservations: Please email Carolyn Benga at crbssp@yahoo.com or call (412) 487-0915 to make dinner reservations **NO LATER THAN FRIDAY, April 11, 2008**. Dinner will cost \$8 and checks can be made out to the SSP. If you have dietary restrictions, please let Carolyn know when you RSVP.

Parking Instructions: The Duquesne University Parking Garage is located on Forbes Avenue. Upon entering the garage, receive parking ticket and drive to upper floors. Pick up a parking chit at the dinner or meeting. If any difficulties arise, contact Dr. Mitch Johnson at Duquesne University.

New ACS Strategic Plan for 2008 and Beyond

The “ACS Strategic Plan for 2008 and Beyond,” which was released in January at www.acs.org/strategicplan, provides a blueprint for how we can work together to advance our vision of “Improving people’s lives through the transforming power of chemistry.” It marks both the culmination of a careful deliberative process and the launch of an extremely exciting path towards creating the ACS of the future.

Why do we need a new plan?

This new plan will ensure that ACS remains the leading professional society in chemistry for our members and our science. To do this, we need to select priorities from among all of the possible strategic directions that might be pursued. Building on our 132-year history of successful operations, there is much that must be continued, and our strategy recognizes that. At the same time, the world of chemistry and our members is changing quickly. The new strategic plan recognizes these trends and challenges, and charts a course that will enable us to respond.

Process of generating the plan

The ACS Board of Directors worked diligently throughout 2007 to develop the plan. Starting with input from thousands of members, the Board and Senior Staff held a workshop in June of last year. Over the rest of the year, feedback was sought from governance volunteers and staff, and carefully considered adjustments were made. At its December meeting, the final plan was approved.

Components of the plan

The plan supports the centrality of the ACS vision: “Improving people’s lives through the transforming power of chemistry,” and mission “To advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.” It articulates core values for the Society, including a passion for chemistry, a focus on members, and an emphasis on professionalism and diversity. Based on an environmental scan, the strategic plan identifies the key issues that will have a major effect on present and future generations of chemists and related practitioners. These trends include

Continued on Page 9

Pittsburgh Section Executive Committee Holds December Meeting at John Harvard Restaurant



The Pittsburgh Section ACS Executive Committee. Back row: Guy Berry (Director), Joel Jolson (secretary elect), Mike Mautino (councilor), Jim Manner (councilor), Rich Danchik (councilor), Mark Bier (councilor), Bodi Douglas (director) and Modecai Treblow (director). Front row: Mildred Perry (director), Tabitha Riggio (Project Seed), Christina Mastromatteo (chair 2007), Fu-Tyan Lin (chair 2008) and Diane Cohen (Pittsburgh Chemist Club)



Vacuum Inlet Traps
Because vacuum pumps don't grow on trees.

Oil Filtration Systems
Because a really old, really healthy vacuum pump is a beautiful thing.

Oil Mist Eliminators
Because no one wants to eat oily mist.

MV PRODUCTS A Division of Mass-Vac, Inc.
247 Rangeway Road • PO Box 359 • North Billerica, MA 01862
978 667 2393 Fax 978 671 0014 sales@massvac.com www.massvac.com

RETIREMENT SUPPORT GROUP

An increasing number of chemists are approaching normal retirement age or are thinking about or facing early retirement. Surviving and thriving in retirement takes planning. This planning should start at least several years before being faced with critical decisions regarding post-retirement activities and plans and how those will be funded.

The ACS Committee on Economic & Professional Affairs (CEPA) is sponsoring a Special Interest Group on Retirement Planning. The group will meet from 1:30 to 4:00 on Sunday April 6, 2008 at the 234 National Meeting in New Orleans. What follows is a partial list of the critical issues and questions to be considered in planning for your retirement.

Financial Issues

- Do you have a budget plan?
- Corporate benefits after retirement
- How secure is your pension?
- What is your investment strategy in your retirement years? including estate planning?
- Reverse mortgage implications
- Relative social security, 401K and IRA regulations
- Taxation
- Establishing trust accounts
- Inheritance tax rules - limits on capital gains
- Establishing foundations - for grandkids for tax advantages

Because of the complexity of the financial issues you may benefit from a financial adviser.

There are many other important factors to be considered. Here is a partial list of questions you might want to think about and discuss with your family:

- Healthcare/insurance planning.
- Medicare
- Prescription drugs
- Health care supplemental insurance
- Long-term care issues

Explore Your Passions

- Where do you want to live, near family, near friends, in a retirement community, near assisted living, in the Sun Belt, etc. or stay put?

- Do you want or need to continue working?
- Do you want to keep active as a professional? Are you interested in volunteer work?
- Interest in continuing education?
- Interest in traveling, learning new things, expand your hobby, etc.?

Think about retirement as another job search. You are looking for ways to spend the rest of your life. What will you do with your time? If you do not have a set plan think about putting together a resume that includes your objective, your skills, and your work or hobby experience.

Come join the discussion group to learn and share ideas for planning your retirement. We can help each other by answering questions and exchanging information. Time will be set aside for the exchange of concerns and ideas. Presenters will include experts in private and governmental retirement and healthcare plans. We plan to have Lisa Balbes, author of "Nontraditional Careers for Chemists" talk about how to prepare for a second career in consulting.

In addition a representative from the ACS Member Insurance Group will discuss what the ACS offers for retired chemists. For more information contact Herb Silverman at agman@cox.net

*ACS Cut and Paste
January/February 2008*

ACS Strategic Plan Continued from Page 8

globalization, the changing nature of chemistry, its public image, government activity, new technologies and changing lifestyles.

Six focused goals

The centerpiece of the new strategic plan is the six strategic goals of providing indispensable resources, engaging global community, affecting world challenges, communicating chemistry, advocating for the profession and maintaining financial health. Each goal is accompanied by explanatory text and specific strategies.

Opportunity for revision and evolution

Finally, please note that the plan is not "set in stone". The Board and its Planning Committee intend to let the plan evolve from year-to-year. If you have suggestions, ideas, or approaches that should be included, please email them to strategicplan@acs.org at any time.

*ACS Cut and Paste
January/February 2008*

We Focus on Doing Chemistry!

- FDA Inspected
- cGMP Synthesis
- Controlled Substances
- Custom Synthesis
- Small Lots Manufacturing
- Polymer Chemistry
- Process Development

Chemo Dynamics, LP

Contact: S. N. Bharathi, Ph.D.
3 Crossman Road South
Sayreville, NJ 08872
Phone: (732)721-4700
Fax: (731)721-6835
www.chemodynamics.com
E-Mail: info@chemodynamics.com

Business Directory

Services

Services

Services

Rapid Results • Quality • Accuracy • Competitive Pricing



Robertson Microlit Laboratories

- Elemental CHN, S, X, Analysis - same day service
- Metals by ICP-OES, ICP-MS, A/A
- FTIR, UV/VIS Spectroscopy
- Ion Chromatography
- Bioavailability
- Polarimetry
- DSC
- KF Aquametry, Titrimetry

P. O. Box 927 • 29 Samson Avenue • Madison, NJ 07940

Tel: (973) 966-6668 • Fax (973) 966-0136

www.robertson-microlit.com • email:results@robertsonmicrolit.com

FDA Inspected

All submissions to
The Crucible must be
received by the editor by
the 1st of the month prior
to publication.

SCHWARZKOPF Microanalytical Laboratory

Elemental & Trace Analysis
Organics, Inorganics
Organometallics
Metals by AA & Graphic Furnace
Functional Grps. - Mol. Wt.
Calorimetry
Total S. F. Halogens TOX
Coneg Testing Custom Analysis

56-19 37th Ave. Woodside, N.Y. 11377
(718) 429-6248

schwarzkopfmicro@aol.com

Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION
MORPHOLOGY CHEMISTRY STRUCTURE

3815 Lancaster Pike Wilmington DE. 19805

Voice 302-998-1184, Fax 302-998-1836

E-Mail micronanalytical@compuserve.com

WANT MORE ARTICLES

When you tell our advertisers that you saw their ads here they have more confidence in our newsletter's viability as an advertising medium. They advertise more. This supports our many activities.

iQsynthesis

Custom Molecules for Life
Formerly Gateway Technologies

Custom Synthesis Services

iQsynthesis, formerly Gateway Chemical Technology, provides customized chemical synthesis at milligram to kilogram quantities.

- Active Pharmaceutical Ingredients
- Analytical Reference Standards
- Precursors and Intermediates
- Degradants and Metabolites
- Agrochemicals
- Bio-organic Molecules
- Chiral Synthesis
- Combinational Platforms
- Process Development



iQsynthesis
11810 Borman Drive
St. Louis, MO 63146
314-991-1857
1-800-506-9892

www.iqsynthesis.com
info@iqsynthesis.com

INNOVATION | QUALITY



Bruker Daltonics



Hit the Target

... with sub-ppm confidence on
the Bruker micrOTOF-Q™ for
empirical formula determination

www.bdal.com - (978) 663-3660

think forward

ESI-Qq-TOF MS

Specialized Analytical Testing

INDSPEC Chemical Corporation

- Chromatography
- Absorption Spectroscopy
- Physical Measurement
- Chemical Analysis
- Thermal Analysis

For further information, please contact the Manager
Analytical Testing Services Harnmarville Technical Center
412-826-3666, E: Barbara_Buchner@oxy.com

Chemical Analysis Services



CHEMIR
Analytical Services

- Materials Identification
- Deformulation
- Polymer Analysis & Testing
- Failure Analysis
- Consulting Services



800.659.7659

www.chemir.com



Business Directory

Services



SOCIETY FOR
ANALYTICAL CHEMISTS
OF PITTSBURGH

Calling New Members

Dues Only \$5.00/year, Call Valarie Daugherty
412-825-3220 Ext. 204 **Right Now!**



SPECTROSCOPY SOCIETY OF
PITTSBURGH

We're beating the drum for new members

Dues Only \$5.00/year
Call Jennifer Cassidy Right Now!
412-825-3220 ext 218

The Crucible

The Crucible is published monthly, August through May. Circulation, 3,000 copies per month. Subscription price, six dollars per year. All statements and opinions expressed herein are those of the editors or contributors and do not necessarily reflect the position of the Pittsburgh Section.

Editor

Traci Johnsen
124 Moffett Run Rd.
Aliquippa, PA 15001
Phone: 724-378-9334
Fax: 724-378-9334
tracjohnsen@comcast.net

Advertising Editor

Vince Gale
MBO Services
P.O. Box 1150
Marshfield, MA 02050
Phone: 781-837-0424
Fax: 781-837-1453
cust-svc@mbosevices.net

Services

Stay up-to-date on all the happenings of the Pittsburgh Section ACS by visiting the section's website.

[http://
membership.acs.org/P/Pitt](http://membership.acs.org/P/Pitt)

PITTSBURGH SECTION OFFICERS

Chair:

Fu-Tyan Lin
15 Barton Dr.
Pittsburgh, PA 15221
412-731-0630
ftlflml@comcast.net

Chair-Elect

Nick Tsarevsky
Department of ChemistryCarnegie
Mellon Univ.4400 Fifth
AvePittsburgh, Pa. 15213
412-268-1872
nvt@andre.cmu.edu

Secretary

Robert Mathers
Penn State New Kensington
3550 Seventh St. Road
New Kensington, Pa. 15068
724-334-6741
rtm11@psu.edu

Treasurer

Emanuel Schreiber
University of Pittsburgh
BST-3, Room 9035
3501 Fifth Ave.
Pittsburgh, PA 15260
412-624-6862
manny@pitt.edu

Career Opportunities

PROMOTE YOUR PRODUCTS AND SERVICES • ADVERTISE IN THE CRUCIBLE

The Crucible readership is greater Pittsburgh's largest source for chemical and biochemical buyers. *The Crucible* reaches more than 3,000 readers each month. It has been estimated that these buyers annually purchase more than \$150,000,000 of:

- EQUIPMENT
- SUPPLIES
- CONSULTING SERVICES

Placing an advertisement in *The Crucible* is the lowest cost method of reaching this select audience.

For further information and other options for promoting your company's products and services visit:

www.mbosevices.net

ADVERTISERS INDEX

Bruker Daltonics	10
Chemir Analytical Services	10
Chemo Dynamics LP	9
Eastern Analytical Symposium	2
INDSPEC Chemical Corporation	10
IQsynthesis	10
MASS VAC, Inc.	8
Micron inc.	10
Robertson Microlit Laboratories	10
Schwarzkopf Microanalytical	10
Society for Analytical Chemists of Pittsburgh	11
Spectroscopy Society of Pittsburgh	11

Pittsburgh Area Calendar

March

- Tue. 18 **Polymer Group, Pittsburgh Section**
Duranti's Restaurant
Student Poster and Presentation Night
- Thur. 20 **ACS Energy Technology Group**
More Restaurant
"The Greenidge Multi-Pollutant Control Project: Demonstration of an Innovative Retrofit Option for Smaller Coal-Fired Power Plants"
Daniel P. Connell, CONSOL Energy Inc.

April

- Mon. 7 **Society for Analytical Chemists of Pittsburgh (SACP)**
Duquesne University, Maurice Falk Hall
Former Chair's Night
"TBA"
Patricia M. DeMarco, Ph.D., Executive Director, Rachel Carson Homestead Association
- Wed. 16 **Spectroscopy Society of Pittsburgh Technology Forum**
Duquesne University, Mellon Hall of Science, Laura Falk Hall
"The Intelligent Workplace"
Dr. Volker Hartkopf, Carnegie Mellon University
- Wed. 16 **Spectroscopy Society of Pittsburgh**
Duquesne University, Laura Falk Hall
"Fundamental Development of Vibrational Spectroscopy for Industrial Applications"
Dr. D. Bruce Chase, Recipient of the 2007 Maurice Hasler Award, E.I. DuPont de Nemours

The Crucible

A newsletter of the Pittsburgh Section of the American Chemical Society

124 Moffett Run Rd.
Aliquippa, PA 15001

NON-PROFIT ORG.
U. S. POSTAGE

PAID

PITTSBURGH, PA
Permit No. 196

Change of Address

If you move, notify the American Chemical Society, 1155 Sixteenth Street, N.W., Washington, D.C. 20036.

To avoid interruption in delivery of your CRUCIBLE, please send your new address to Traci Johnsen, 124 Moffett Run Rd., Aliquippa, PA 15001. Allow two months for the change to become effective.