Pittsburgh Award

Call for Nominations

The Pittsburgh Award was established in 1932 by the Pittsburgh Section of ACS to recognize outstanding leadership in chemical affairs in the local and larger professional community. This Award symbolizes the honor and appreciation accorded to those who have rendered distinguished service to the field of chemistry. The Award, consisting of a plaque and honorarium, is presented annually at a Section dinner open to the public.

Members of the Pittsburgh Section, or in exceptional cases, non-members, who have done work worthy of recognition toward increasing chemical knowledge, promoting the chemical industry, benefiting humanity, or advancing the Pittsburgh Section, are eligible for consideration. At this time, nominations for the Pittsburgh Award are solicited from the membership of the Pittsburgh Section. Please contact the Section Chair, Brian R. Strohmeier at 412-820-8190, or by e-mail at strohmeier@ppg.com for details and an application form. The deadline for the receipt of nominations is June 1, 2001.

Commission on the History of Modern Chemistry

2002 Fourth International Conference

“Industrial-Academic Relationships in the Chemical and Molecular Sciences”

The fourth international conference of the Commission on the History of Modern Chemistry (CHMC) of the International Union of History and Philosophy of Science will take place 3-5 October 2002 at the Chemical Heritage Foundation in Philadelphia. The conference will focus on industrial-academic relations in the chemical and molecular sciences.

The general theme of the conference is the interactions between the chemical and molecular sciences, technologies, and related industries since 1900. Traditionally, studies in this area have employed a linear approach to the science-technology relationship. However, it is well established that such transfers are rarely uni-directional. We hope to encourage further a shift in emphasis toward multi-directional transfers. Knowledge, practices, transfer successes and failures, technology, materials, organizational networks, management of R&D, and labor are all potential objects of study within these exchanges. Related themes include interactions with other research centers beyond the academy—e.g. national laboratories, military centers, experimental stations, NGOs, and colonial institutions. Papers are invited on and around this theme. Comparative and international perspectives are strongly encouraged.

Titles and abstracts are due by August 31, 2001. If accepted for the program, completed papers will be due by August 1, 2002 for purposes of pre-circulation to conference participants.

Abstracts and papers should be submitted to the following address:
CHMC Program Committee, Chemical Heritage Foundation, 315 Chestnut Street, Philadelphia, PA 19106. Questions and comments should be sent to CHMC2002@chemheritage.org.
Awards Ceremony and Former Chairmen’s Night

Awards to be presented:

Aids-to-Education Grants and Awards

College Equipment Grants

Edwin S. Hodge Memorial Scholarship

Kevin Burns Outstanding High School Teacher Award

High School Science Equipment Grants

Carnegie Science Fair

Elementary School Science Education Award

Dinner Reservation: Please call Denise Wilkins at 412/825-3220 Ext. 290 or 412/476-6615 (leave message) by Noon on May 11, 2001 (Friday). If you have any dietary restrictions, please make them known when you call Denise. ABSOLUTELY NO RESERVATIONS WILL BE TAKEN AFTER THAT TIME.

Parking Instructions: Duquesne University parking garage entrance in on Forbes Avenue. Upon entering the garage, receive ticket and drive to upper floors. Pay parking fee upon exiting with SSP parking chit. Pick up parking chit at the dinner or the meeting. Call Charles Collins at Duquesne University if any difficulties arise.
Annual Awards Dinner

Co-Sponsored by
Society for Analytical Chemists of Pittsburgh
and
Pittsburgh Section, American Chemical Society

Monday, May 14, 2001

Duquesne University
Student Union Ballroom
Social Hour - 5:30 p.m. / Dinner - 6:30 p.m.

Awards to be presented:

SACP Awards

- Science Outreach Awards
- PJAS Teacher Awards
- PJAS Student Awards
- Undergraduate Analytical Research Program (UARP) Grant
- Pittsburgh Regional School Science & Engineering Fair
- SACP Middle School & High School Science Essay Contest
- Starter Grant Award
- College Chemistry Awards
- College Scholarship Awards
- Scholarship and Grant Awards

ACS Awards

- PJAS Student Awards
- Pittsburgh Regional School Science & Engineering Fair
- 2001 Chemistry Contest
- U.S. National Chemistry Olympiad

Dinner Reservation: Note: Standing dinner reservations do not apply. Please call Linda Wagner at 412/825-3220, Ext. 296 by Friday, May 4, 2001 to make your dinner reservations. Do not call the SACP office to make dinner reservations. Dinner cost may differ from usual meeting cost. If you have dietary restrictions, please let Linda know.

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

http://membership.acs.org/P/Pitt
“The Scientific Expert and the Law”

Thursday, May 10th, 2001

Teplitz Moot Court Room
Law Building, 3900 Forbes Avenue
University of Pittsburgh

The introduction of scientific evidence, and its place in civil and criminal proceedings, is explored. A distinguished panel of experts will present trial vignettes which will examine details of the legal process in defining the role of experts in federal and state courts.

12:30 - 1:00  Registration
1:00 - 2:30  The Expert, the Court, and the Law

Expert Witness Testimony: A Federal Court Perspective
The Honorable Robert J. Cindrich, U. S. District Court, Western District of Pennsylvania

Expert Witness Testimony: A Pennsylvania Court Perspective
The Honorable Joseph M. James, Civil Division of the Court of Common Pleas of Allegheny County

From Lindbergh to O.J. Simpson - The Role of the Expert Witness In the Courtroom
Dr. Richard Saferstein, Chief Forensic Scientist (Retired), New Jersey State Police

2:30 - 2:45  Coffee Break
2:45 - 5:00  Trial Vignettes and Panel Discussion with Speakers and Lawyers

Expert Credentials and Qualification
Qualification of Testimony: Daubert and Frye Standards for Admission
Direct Examination of the Expert: Effective Use of the Expert
Cross Examination of the Expert: Discovery and Expert Testimony Criticism

5:00 - 6:00  Social Hour

Cost: $20.00, Students $10.00. Register in advance or on-site. Space is limited! Parking: Soldiers & Sailors Hall Lot, Fifth and Bigelow

For further information contact: Greg Meisner, (412) 624-8400 or see http://www.ssp-pgh.org/

I will attend the symposium at the Teplitz Moot Court Room (University of Pittsburgh Law School) on Thursday, May 10, 2001. Enclosed is my check made payable to SSP.

Name __________________________________________________________ Department _______________________
Organization/Address ___________________________________________ E-mail ________________________________
City __________________________ State _______ Zip __________ Phone __________________________

Mail this form before May 1st with payment to Gerry Churley, 300 Penn Center Blvd., Suite 332, Pittsburgh, PA 15235.
MARK YOUR CALENDAR - NCW 2001 is scheduled for November 4-10, 2001. The NCW theme for this year is “CHEMISTRY AND ART.”

For the third year in a row, the Pittsburgh Section will be holding a two-day event at the Carnegie Science Center on Friday and Saturday, November 9-10, 2001, from 10:00 AM to 5:00 PM each day. There will be 20+ tables throughout the Carnegie Science Center staffed with volunteers from area businesses, professional societies, high schools and colleges performing hands-on activities, demonstrations, and shows. This could be your opportunity to help educate Pittsburgh and surrounding communities about what chemistry is and how it relates to everything around us. By participating in this exciting event you will be helping to communicate to the whole community the important role that chemistry plays in the quality of our daily lives.

The Pittsburgh Section is looking for individuals and groups to assist in coordinating this event. Volunteers are needed in the following areas:

• Public Relations
  (promotion and advertisement of National Chemistry Week)

• ACS Student Affiliate Contest(s) Coordinator

• Event Registration Coordinator
  (help to register volunteers as they arrive at the event, etc.)

• Theater Shows Coordinator
  (organize several half-hour shows each day in the Science Center’s theaters)

• Event Table Coordinator
  (Organize the various groups that have volunteered to conduct hands-on demonstrations)

• NCW Unifying Event Coordinator
  (In 2000 the ACS conducted a national unifying event that consisted of a food drive that benefited community food banks)

If you haven't done something with the Local Section in the past, here is a great opportunity to get involved. Your participation will ensure that the Pittsburgh Section brings about a positive change in the public’s impression of chemistry, and will help to promote a positive message about chemistry, particularly to elementary and secondary school children.

For more information or to volunteer, contact the Pittsburgh Section’s NCW Coordinator:

V. Michael Mautino
Bayer Corporation
100 Bayer Rd. Bldg. 2
Pittsburgh, PA 15205
Phone: 412-777-4792
Fax: 412-777-7864
E-mail: vincent-m.mautino.b@bayer.com

COLLOIDS, POLYMERS AND SURFACES PROGRAM
PART-TIME GRADUATE DEGREE

This interdisciplinary program of part-time graduate study (currently in its 28th year) leads to a Master of Science degree in Colloids, Polymers and Surfaces (CPS) offered jointly by the Engineering and Science Colleges at Carnegie Mellon University. Course work is relevant to many industries as chemical product manufacture and process development often require application of principles of colloid, polymer and surface science. Some examples include industries working with coatings and pigments, pharmaceuticals, surfactant-based products, food science, environmental science, polymers/advanced materials. Participating faculty are drawn mainly from the Department of Chemical Engineering and the Department of Chemistry.

Applications for Fall 2001 enrollment are now being taken. Classes begin August 27, 2001, and new students may enroll in the entry-level course, Physical Chemistry of Macromolecules.

For additional information, contact:
Dr. Annette M. Jacobson
Director, CPS Program
1107 Doherty Hall
Carnegie Mellon University
Pittsburgh, PA 15213
Phone: (412) 268-2244
Fax: (412) 268-1139
E-mail: jacobson@andrew.cmu.edu
wwwcheme.cmu.edu/cps/
Experimental Work

**Category I**
(First-Year Chemistry)
- Quality Control
- Food Analysis

**Category II**
(Second-Year Chemistry)
- Aqueous Equilibria
- Polymer Chemistry

**Category III**
(Organic Chemistry)
- Organic Functional Group Determination

Awards:
- First, second, third and honorable mention certificates will be awarded in each category
- Cash awards will be given to the first, second and third place teams
- Every participating student will receive a special Chemistry Olympics T-shirt
- Students and sponsors are required to be present at the Awards Ceremony to receive the awards
- No awards will be mailed out without prior arrangement

Sponsored by:
- ACS-Educational Group of Pittsburgh
- Department of Chemistry, University of Pittsburgh
- Society for Analytical Chemists of Pittsburgh
- Spectroscopy Society of Pittsburgh
- Burrell Scientific
- Fisher Scientific
- Bayer Foundation

Application forms with payment must be received by April 9, 2001. As space is limited, registration will be honored on a first come, first served basis. The Category I and II experiments will be limited to 80 teams total and the Organic Experiment (Category III) will be limited to the first 16 teams that request it. For further information please contact Regina Mahouski 412/624-8202 or Michele Manaco 412/624-8201 at the University of Pittsburgh Chemistry Department.
PROTEOMICS SEMINAR

The Society for Analytical Chemists of Pittsburgh

What is proteomics?
What are some of the state of the art research groups working on?
Where will proteomics research go in the future and what are the implications?
Join us and find out some of the answers to these questions in our one day seminar series on proteomics.

Speakers

Prof. Jonathan Minden
Carnegie Mellon University
“Proteome Stargazing”

Prof. John Rosenberg
University of Pittsburgh
“X-ray Crystallography of Proteins”

Prof. Catherine Fenselau
University of Maryland
“Mass Spectrometry of Proteins”

Dr. Pierre Chaurand
Vanderbilt University
“MALDI Profiling and Imaging of Proteins and Peptides in Cancer Tissue”

Dr. Walter Blackstock
GlaxoSmithKline
“Proteomics and the Quest for Function”

When: Saturday, May 12th, 2001
8:45 a.m. registration & breakfast
Talks 9:20 a.m. - 2:30 p.m.

Where: Auditorium, Graduate School of Public Health, University of Pittsburgh
(see map: http://www.pitt.edu/~gsphhome/images/map.gif)

How: Send in the form below with a check payable to SACP by Saturday, May 5th, 2001
Send to: William Straub, 1315 Corkwood Drive, Monroeville PA 15146

Cost: $15 - adults or $5 - students.
Continental Breakfast and lunch are provided in the cost of the seminar.

Registration

Send to: William Straub, 1315 Corkwood Drive, Monroeville PA 15146

Name:______________________________________________________________

Address:__________________________________________________________________________

Phone:________________________ E-mail:_____________________________________

Amount enclosed:________________________

Complete this return slip and mail by Saturday May 5th, 2001 with a check payable to SACP
The Othmer Library encompasses the history of the chemical sciences and industries, with 30,000 volumes donated by The Chemists' Club library as the core of its collection. The Chemists' Club Library was an integral part of the Club from 1898 to 1997. By the 1950s The Chemists' Club Library, with more than 55,000 volumes, was one of the largest chemical libraries in the U.S., and used by more than 10,000 readers annually. The Chemists' Club collection has now been entirely assimilated into the Othmer Library. The Library's holdings now include more than 80,000 volumes of monographs, reference works, rare books, and professional journals published from 1512 to the present.

The collection includes such rarities as Agricola’s De Re Metallica (1621 edition), and Paracelsus’ Opera Omnia (1658), and through recent donations and purchases has acquired works such as De Fourcy’s Table du Produit des Affinites Chymiques (1773), and Brunswick’s Liber de Arte Distillandi de Compositis (1512).

The Othmer Library’s Pictorial Collection comprises some 10,000 images in all photographic formats, plus some 200 framed pieces of artwork ranging from oil portraits to lithographs, and includes William Haynes’ collection of 1,500 photographs from his six-volume work The American Chemical Industry.

Some of the journal titles in the Othmer Library’s Periodicals Collection span almost two hundred years, such as the American Journal of Science (1819), and Chemisches Zentralblatt (1835). In all, more than 6,000 catalog records are currently accessible via our web-mounted OPAC, with records being added daily as Othmer Library staff continue to retrospectively catalog the collection. In addition, the Othmer Library houses many archival items including personal archives of notable individuals including Carl S. Marvel and Nobel Laureate Paul J. Flory. The Library also houses archives for several organizations and societies affiliated with CHF. And its collection of archival artifacts ranges from nylon stockings and batteries to historic chemical instruments.

All materials in the library collections are non-circulating, but are available for in-house use by appointment. Library users must complete a registration form when requesting materials. All materials are retrieved for users by staff members and must be used in the library’s reading room.
EMPLOYMENT

The Crucible will accept at no charge,
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U.S. Team Takes Top Gold Medal Again!

David Kurtz of Idaho Falls took the top gold medal at the 32nd International Chemistry Olympiad (IChO), held July 2-11, 2000, in Copenhagen, Denmark. This is the second consecutive year that the U.S.A. received the top gold medal in the IChO. Charles Duan, a graduate of Beverly Hills High School, CA, was also awarded a gold medal. Luke McSpadden, a graduate of the Oklahoma School of Science and Math, Oklahoma City, and Albert Wang of Bellaire High School, TX, were awarded bronze medals.

The 2000 IChO students were mentored by Jesse Bernstein, Hawken School, Gates Mills, OH; Nadine Szczepanski, MacMurray College, Jacksonville, IL; and Jane Nagurney, Scranton Preparatory School, PA. Bernstein and Szczepanski accompanied the four students to Copenhagen, Denmark, for the international competition.

The ACS staff appreciate the support and guidance they received from the Olympiad subcommittee. ACS has sponsored the U.S. team since 1984. Principal funding comes from the Society’s Othmer Olympiad Endowment, with additional support from the U.S. Air Force Academy, IBM Research, Merck Publishing Group, Texas Instruments Inc., W.H. Freeman & Company, McGraw-Hill Companies, Inc., Advanced Chemistry Development, and Steck-Vaughn/Saunders Publishing. Thank you for supporting the 2000 USNCO program.

— Robin Green, ACS Staff
Reprinted by permission: USNCO NEWSLETTER
February 2001 Volume 6

LC-MS Scientist

The Center for Molecular Analysis at Carnegie Mellon is currently seeking a BS/MS level LC-MS Research Scientist to operate and maintain mass spectrometers (MS), liquid chromatographs (LC), NMRs, UV-VIS-NIR, CD, and FTIR-NIR instruments. In addition, this person will assist the director with the day-to-day lab operations, research projects, collaborations and training. He/she must have strong analytical problem solving skills. Experience in diagnosing instrument problems and chemical problems is essential. Excellent communication, chemistry, mechanical, electronic and computer skills are essential. Knowledge of MS methods/techniques for polymer analysis, small molecule and proteomics is desirable.

Mass Spectrometers: MALDI-TOF-MS (Perseptive Biosystems Voyager DE-STR) and ESI/APCI-ion trap-MS (Finnigan LCQ).

QUALIFICATIONS: BS in Chemistry or closely related field or equivalent combination of training and experience; at least two years experience in an analytical chemistry or equivalent lab.

See complete position announcement at: http://www.cmu.edu/bahr/jobs/jobs/wultKm00UfC017dk0.html
Learn about the Pittsburgh region at http://www.pittsburgh-region.org

Please send your resume to:
Human Resources-Employment
Carnegie Mellon University
143 North Craig Street, Whitfield Hall
Pittsburgh, PA 15213-3890
(412) 268-4747

Carnegie Mellon

Laboratory Technician

Westinghouse Science and Technology Department in Churchill, PA has immediate openings for Laboratory Technicians. The primary functions are to conduct technology investigations or developments to satisfy technical requirements.

Job assignments will include:
· Set-up laboratory instrumentation
· Calibrate test equipment
· Prepare and clean test samples
· Mix chemical solutions
· Conduct routine chemical analyses
· Conduct inter test inspections

Experience in the following are desired:
· Prepare, mount, polish, and microscopically examine metal specimens
· Prepare samples for transmission electron microscope (TEM)
· Maintain electron microscopes
· Operate scanning electron microscope (SEM/EDS)
· Operate X-ray diffraction (XRD) equipment

Candidates should have computer skills. Familiarity with Microsoft Office products is a plus. Data collection and strong organizational skills are also required.

Individuals should possess an Associates degree in either Chemical Science Technology, Environmental Technology, Laboratory Technology, Mechanical Technology, or equivalent work experience required.

To express your interest, please send your resume to:
S. H. Piper
Westinghouse Science and Technology Department
1340 Beulah Road
Pittsburgh, PA 15235
Email: pipersh@westinghouse.com
Fax: 412-256-1221

Pittsburgh Chemists Club/Retired Chemists Group
Pittsburgh Section
American Chemical Society

Tuesday, May 22, 2001

“The ABCs of ACS Programs and Services”
Denise L. Creech
American Chemical Society National Office
&
Presentation of 50 Year ACS Membership Awards to Pittsburgh Section Members

Duranti’s Restaurant
128 North Craig Street, Oakland PA
Cocktail Time (cash bar)…..6:00 p.m.
Dinner……………………………..6:30 p.m.
Program ………………………..7:45 p.m.

For reservations, please call Ed Martin by noon, Friday, May 18, 2001 at (724) 335-0904 or email at esm@icubed.com

May 2001 / The Crucible
75th ACS Colloid and Surface Science Symposium

Over 600 engineers and scientists from around the world are expected to attend the 75th ACS Colloid and Surface Science Symposium at Carnegie Mellon University, June 10 - 13, 2001. This Symposium highlights the latest scientific advances in the broad domain of colloid and surface science and their application to other fields, including materials processing, biotechnology, and environmental engineering. Parallel technical symposia will feature the latest research on surfactants, polymers, thin films, emulsions, suspensions, nanomaterials, biomaterials, adsorption, tribology, interfacial mechanics, rheology, electrokinet-ics, microfluidics, and environmental phenomena. Approximately 360 oral presentations and 70 posters are scheduled. Strong attendance from both academic and industrial experts is expected. The Symposium is organized by the Carnegie Mellon Colloids, Polymers and Surfaces Program, the Center for Complex Fluids Engineering, and the Departments of Chemical Engineering and Physics.

Registration and other information is available on the web at http://colloids2001.cheme.cmu.edu. Register by May 15 to receive an early-bird discount. Questions may be directed by e-mail to colloid@andrew.cmu.edu.
**Pittsburgh Area Calendar**

**Wed 9**  
**Polymer Group**  
Duranti's Restaurant, 128 North Craig Street, Oakland PA  
Dr. Kacey Marra, Carnegie Mellon University  
“Various Roles for Biodegradable Polymers in Bone Tissue Engineering”

**Wed 9**  
**Twenty-Second Annual Pittsburgh Chemistry Olympics**  
Department of Chemistry, Chevron Science Center, University of Pittsburgh

**Thurs 10**  
**Tripartite Symposium**  
Teplitz Moot Court Room, Law Building, University of Pittsburgh  
“The Scientific Expert and the Law”

**Sat 12**  
**SACP - Proteomics Seminar**  
Auditorium, Graduate School of Public Health, University of Pittsburgh

**Mon 14**  
**Society for Analytical Chemists of Pittsburgh (SACP) and ACS Joint Meeting**  
Duquesne University, Student Union Ballroom  
Annual Awards Dinner

**Wed 16**  
**Spectroscopy Society of Pittsburgh (SSP)**  
Duquesne University, Student Union Ballroom  
Awards Ceremony and Former Chairman’s Night

**Tue 22**  
**Pittsburgh Chemists Club/Retired Chemists Group**  
Duranti’s Restaurant, 128 North Craig Street, Oakland PA  
Ms. Denise L. Creech, American Chemical Society National Office  
“The ABCs of ACS Programs and Services”

**Sun 10**  
**75th ACS Colloid and Surface Science Symposium**

**Wed 13**  
Carnegie Mellon University, colloid@andrew.cmu.edu  
Register by May 15 (early-bird discount)

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To avoid interruption in delivery of your **CRUCIBLE**,  
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for the change to become effective (412/487-8492).