

Chemunity NEWS

The bimonthly newsletter that connects chemistry educators to the activities of the ACS Education Division

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November 2006



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Mary M. Kirchhoff, Acting Director



Chemical Education – A Global Collaboration

Providing students with a world-class education is a priority around the globe, and collaborations between the Education Division and colleagues in other countries are on the rise. In recent months, ACS staff members have run hands-on workshops in Guatemala, Mexico, and Panama. These workshops use the Spanish version (Química) of the ACS general chemistry text [Chemistry](#) to present activity-based teaching methodologies. The ACS [Office of International Activities](#) has been a valuable partner in this initiative.

The National Science Foundation recently awarded ACS a grant to organize a [Pan-American Advanced Studies Institute](#) on Sustainability and Green Chemistry in Mexico City in 2007. This program will bring together graduate and post-doctoral students from countries throughout the Americas to discuss science and technology solutions to the challenges of sustainability. The ExxonMobile Foundation is also supporting this program.

International collaborations facilitate the sharing of educational materials and methods that enhance student learning, resources that can be adapted to specific regions. The Education Division will continue to explore opportunities to work with our international colleagues in promoting worldwide excellence in chemical education.

[GRADUATE EDUCATION](#)

Will You Be Starting a Faculty Job Search Next Year?

Start planning now to present an ACS Academic Employment Initiative (AEI) Poster at SciMix at the Boston ACS National Meeting (Fall 2007). Faculty Recruiters from a variety of colleges and universities will be there to meet poster presenters. Give a poster and have job interviews at the same time. Submissions of abstracts to Online Abstract Submittal System (OASYS) will begin in March. [More...](#)

HIGH SCHOOL



Mentors Wanted!

The [U.S. National Chemistry Olympiad](#) invites High School and College educators to apply for a position as mentor for the U.S. National Chemistry Olympiad program. (Preference will be given to high school teachers). To learn more or apply, please visit our [web site](#).

Emerging Equity Trends Among American Olympians

Marilyn Ann Verna and Annie Xuemei Feng with research interests in gifted education, gender issues, curriculum effectiveness studies, and cross-cultural research among American Olympians, presented the findings of their research at the 10th Conference of the European Council of High Ability, in Lahti, Finland (September, 2006).

Project SEED at Washington & Jefferson College, Washington, PA

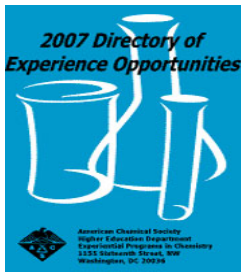
R. Troy Hull II participated in the eight-week Project SEED program at Washington & Jefferson College during the summers of 2005 and 2006. Troy's journey is representative of the mission of Project SEED. The program is designed to engage young scholars in hands-on research at an early stage of their careers. It has been shown time and again that such experience significantly increases the likelihood that these talented individuals will pursue careers in the chemical sciences. [More...](#)

NSTA Regional Meetings

If you plan to attend one of the NSTA Regional Meetings (Salt Lake City, UT: December 7-9), stop by the ACS Education Division Booth in the Exposition Hall. Many of the resources offered by the ACS Education Division and the ACS Office of Community Activities will be on display and samples of select materials will be provided. ACS Education Division staff will also present workshops on inquiry-based learning for elementary and middle school students.

We hope to see you there!

HIGHER EDUCATION



2007 *Directory of Experience Opportunities*

Each year, the ACS Experiential Programs in Chemistry (EPiC) activity produces the *Directory of Experience Opportunities*. This valuable resource lists internships, co-op programs, summer work, and fellowships for undergraduates in the chemical sciences. The 2007 edition of the *Directory* contains a wide variety of opportunities in academia, industry, and government. It also contains a guide to ethical behavior for interns and new hires, which details behaviors to avoid during an internship and gives tips about appropriate business conduct for the inexperienced professional. To search for positions, go to [EPiC](#). Or, purchase your personal copy for \$10 by e-mailing oss@acs.org.

For more information or to list a program in the on-line edition of the *Directory*, e-mail epic@acs.org.

Chicago Showcases Undergraduate Research

Undergraduate researchers are invited to attend the American Chemical Society's 233rd National Meeting in Chicago, IL where they can present their results during the Undergraduate Research Poster Session (March 26, 2007), meet potential employers and graduate school advisors, and network with other chemistry undergraduates. All abstracts must be submitted online to the ACS [online abstract submittal system](#) by **November 14, 2006** (11:59 pm EST). For more information, e-mail saprogram@acs.org.

Collaborating on Education and Career Development

Equipping the 2015 Chemical Technology Workforce was launched at the ACS Fall 2006 National Meeting in San Francisco. This collaborative initiative was kicked off with a day-long [Presidential Event](#) featuring panel discussions with representatives from across the chemical enterprise. Future efforts will focus on collaboration among industry, academia, and professional societies to support the education and career development of chemical technicians.

CPT



Resources for Students Considering Advanced Study in Chemistry

The online resource "[Planning for Graduate Work in Chemistry](#)" has been just published and is designed to guide both domestic and international undergraduate students who are considering graduate work in the chemical sciences. It provides advice on how to prepare for successful work in graduate school, how and when to apply for admission, and what to expect once enrolled in graduate school. [DGRweb](#), the searchable online database of the *ACS Directory of Graduate Research*, lists over 665 academic departments, 10,858 faculty members, and 88,983 publication citations. [DGRweb](#) allows students to further explore the research interests of faculty members and gather other helpful information about departments.



Discussions on the [Proposed Revision to the ACS Guidelines](#) Continue

To address changes in the chemistry profession and chemistry education, the Committee of Professional Training (CPT) is undertaking a major revision of the ACS guidelines. Earlier this year, CPT released a document describing the proposed changes and asked the community to offer comments and participate in discussions that will inform the Committee as it prepares the draft of the next edition of the ACS Guidelines. During the recent ACS National Meeting in San Francisco, the Committee held an interactive symposium on the proposed guidelines, with extensive audience participation. The program and the power point presentations from this [symposium](#) are posted on the CPT website. CPT greatly values feedback about the proposed guidelines, so please get involved and send your comments about the [proposed guidelines revision](#) to cpt@acs.org with "ACS Guidelines Revision" in the subject line.

Graduate School Recruiters ...

Would you like to increase the pool of applicants to your graduate programs? Then register for the ACS graduate school recruiting morning tea and breakfast for undergraduate chemistry students! The morning tea will be held on Sunday, March 25, 2007 from 10:30 a.m.–12:00 p.m. and the breakfast will be held Monday, March 26, 2007, from 8:00–10:00 a.m. in Chicago, IL as part of the 233rd ACS National Meeting.

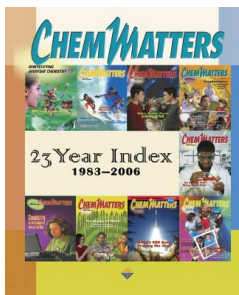
The graduate school recruiting morning tea and breakfast offers:

- representatives of schools the opportunity to meet qualified graduate school candidates.
- students a chance to discuss their educational plans informally and intimately with faculty, staff, and students from participating institutions.

The cost to participate in these events is \$150. [Registration forms are available online](#). Please register by Friday, **March 2, 2007**.

Registration after March 2nd will cost \$180.

For more information, contact Adam Boyd at 1-800-227-5558, ext. 6188 or email a_boyd@acs.org.



23 Years of *ChemMatters* at Your Fingertips

The most up-to-date index of *ChemMatters* magazines is available **NOW!**

The *ChemMatters* 23-Year Index will enhance and complete your *ChemMatters* collection. Organized by title, author, keyword, and department, it makes locating any article a snap. This comprehensive index covers every issue all the way back to the first *ChemMatters* magazine in February 1983. It only costs \$12 and is an essential addition to your *ChemMatters* anthology.

Also, there are still a few of the *ChemMatters* 20-Year CD's left. It is easy to search and includes every issue in its entirety from 1983 through 2003 along with accompanying Teacher's Guides. It's only \$25, and makes a great gift for your favorite teacher!

Get your copy of the 23-Year Index or the 20-Year CD [online](#) or call 1-800-227-5558. Both the Index and the CD make perfect gifts for teachers and young scientists!

The American Chemical Society Scholars Program

The Scholars Program is now accepting applications for the 2006 -2007 academic year. Applications, criteria, and additional information can be obtained through e-mail at scholars@acs.org; by calling toll-free 1-800-227-5558, ext. 6250; by regular mail addressed to American Chemical Society Scholars Program, 1155 16th Street, N.W., Washington, D.C. 20036; or via the [web](#). The deadline to receive completed applications is **March 1, 2007**.

National Meeting Travel Grants available for Student Affiliates Chapters

Sending undergraduates to the ACS National Meeting in Chicago? [Grant money](#) is available to active Student Affiliates chapters with students who are presenting individual research or chapter posters in the Division of Chemical Education's Undergraduate Research Poster Session. Apply by **January 15, 2007!**

Summer School on Sustainability and Green Chemistry

The American Chemical Society is organizing a Pan-American Advanced Studies Institute (PASI) on Sustainability and Green Chemistry in Mexico City, May 29 – June 10, 2007. The program will explore scientific solutions to global challenges, and will address such topics as renewable resources, life cycle analysis, energy sources, and sustainable buildings.

The PASI is open to graduate and post-doctoral students from the Americas, and will be held at the Universidad Iberoamericana-Ciudad de Mexico. Applications, consisting of a curriculum vitae or résumé, letter of nomination from a faculty member, one-page essay, and unofficial graduate school transcript, must be submitted online to pasi2007@acs.org no later than **February 16, 2007**. The official language of the PASI is English.

The PASI is sponsored by the National Science Foundation, the Department of Energy, and the ExxonMobil Foundation. Additional information on the PASI is available [online](#).

OTHER CHEMICAL INFORMATION

Applications Sought for Gustav Ohaus Award for Innovations in Science Teaching

The Ohaus Corporation, a leading manufacturer of balances for the education, laboratory, industrial and specialty markets worldwide, is seeking applications for the Gustav Ohaus Award for Innovations in Science Teaching. The Award, presented annually by Ohaus, recognizes educational innovations with the potential to improve science teaching at the primary, secondary or college levels. The innovations eligible for the award may be in the form of curricula design, teaching strategies, administrative and/or organizational patterns, or laboratory utilization with emphasis on measurement activities.

The winner will receive \$1,500, an all expenses paid trip to the National Science Teachers Association Conference on Science Education in St. Louis, and a personalized Gustav Ohaus award. The awardees' school will receive \$1,000 of Ohaus product and a plaque to be displayed at the school.

Additional information is available [online](#). Completed submissions must be received by **December 15, 2006**.

The Environmental Protection Agency (EPA) announces P3 Grants Competition

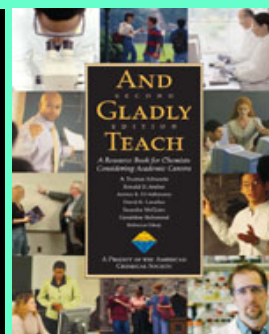
Looking for an opportunity to design a cutting-edge technology that offers potential solutions for protecting the environment while providing economic opportunities? The Environmental Protection Agency (EPA) is offering to help college professors and their students with this opportunity through its P3 (People, Prosperity and the Planet) grant competition. [More ...](#)

FEATURED ACS PRODUCTS AND SERVICES

2006-07 Science Teaching Resources



Get yours today by calling 1-800-227-5558 or by sending an email to education@acs.org!



And Gladly Teach: A Resource Book for Chemists Considering Academic Careers

Among the specific topics included in the second edition of this 81-page book are the nature of an academic position in various types of institutions;

preparations to make while still in graduate school; choosing between a postdoctoral position and a temporary teaching job; preparing a curriculum vitae, research proposal, and statement of teaching philosophy; campus visits for job interviews; weighing competing job offers; and balancing time demands in working toward tenure. [More...](#)

[ACS Education](#)

[ChemunityNews Calendar](#)

Conventions, meetings, conferences, workshops, exhibits... discover what's happening where in chemical education.

[ChemunityNews Archives](#)

Did you know?

The ACS Education Division provides programs and activities that promote lifelong chemistry education, professional activities, and scientific matters of interest to chemists and chemical engineers worldwide.

To find out more about ACS Education programs, visit the [ChemunityNews FAQs](#), check out our [web site](#), or write to us at education@acs.org.

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