### Special Symposia

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>Victor J. Hruby Symposium</td>
<td>Mon, Oct 16, 2006</td>
<td>Salon D</td>
</tr>
<tr>
<td>Environmental Chemistry of Metal Pollution in the U.S.-Mexico Border Region</td>
<td>Mon, Oct 16, 2006</td>
<td>Salon E</td>
</tr>
<tr>
<td>David F. O'Brien Symposium</td>
<td>Tues, Oct 17, 2006</td>
<td>Salon D</td>
</tr>
</tbody>
</table>

**The Hruby Symposium** will take place on Monday October 16, 2006 and will be a celebration of Victor J. Hruby and his contributions to interdisciplinary chemical research. Several of his collaborators and students, past and present, will participate.

**The O'Brien Symposium** will take place on Tuesday October 17, 2006 and will be a celebration of David O'Brien's scientific career and life. Several of his collaborators, students and friends have accepted our invitation to participate in what promises to be a very interesting program. The program will be centered around, but not limited to, research topics which were close to Dave's heart, such as lipid bilayers and discotic liquid crystals.

**The Environmental Chemistry of Metal Pollution Symposium** is sponsored by The University of Arizona Superfund Basic Research Program (SBRP) and the U.S. - Mexico Binational Center for Environmental Sciences and Toxicology.

### Symposia

<table>
<thead>
<tr>
<th>Symposia</th>
<th>Date</th>
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<tbody>
<tr>
<td>The 19th Rocky Mountain Regional Meeting of the ACS</td>
<td>October 14-18, 2006</td>
<td>Tucson, AZ</td>
</tr>
<tr>
<td>The technical program for RM(_2)ACS 2006 is organized to cover a broad spectrum of topics in chemistry highlighting the central role that chemical research plays in everyday life through a number of invited and contributed oral sessions, poster sessions and workshop events.</td>
<td></td>
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<tr>
<td><strong>Chemistry and the Environment</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>Bioinspired Chemical Analysis</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>Small Business Intellectual Property</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>The Chem in Biochem: Enzymes and Mechanisms</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>Technology Transfer</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>Chemistry across the borders</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>The &quot;0's and 1's&quot; of 21st Century Learning: Digital Technologies for Teaching Chemistry</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>8:30-12:00</td>
</tr>
<tr>
<td><strong>Stepping Across the Border: Charge Transport at Metal-Organic Interfaces</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>Chemical Biology of Cancer</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>A Little Chemistry: Polymers and Nanostructured Materials</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>Friendly Chemistry: Environmentally Friendly Processes</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>Chemistry and International Borders: Terrorism</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>Chemical Biology of Nitrogen Oxides</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>Art Restoration</strong></td>
<td>Wed, Oct 18, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>Chemistry in the Wild, Wild West</strong></td>
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<tr>
<td><strong>Chemistry from the Rocky Mountain Region</strong></td>
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</table>

### Contributed / Technical Session

<table>
<thead>
<tr>
<th>Session</th>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td><strong>Fibers, Films and Tires, Polymers in Modern Life</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>Chemistry of drug development</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>8:30-12:00</td>
</tr>
<tr>
<td><strong>If It's Material, It's Chemistry</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>DNA and DNA enzymes</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>1:30-Noon</td>
</tr>
<tr>
<td><strong>Industrial Awards Symposium</strong></td>
<td>Mon, Oct 16, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>Chemistry in Silico</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>8:30-12:00</td>
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<tr>
<td><strong>Chemical Highways: Pathways and Natural Products</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>8:30-12:00</td>
</tr>
<tr>
<td><strong>Chemistry Out of This World</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>1:30-5:00</td>
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<tr>
<td><strong>It's All About the Image</strong></td>
<td>Wed, Oct 18, 2006</td>
<td>8:30-12:00</td>
</tr>
<tr>
<td><strong>Chemistry at the Boundary with Biology</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>1:30-5:00</td>
</tr>
<tr>
<td><strong>Drug Formulation and Delivery</strong></td>
<td>Tues, Oct 17, 2006</td>
<td>1:30-5:00</td>
</tr>
<tr>
<td><strong>Molecular Origami: Conformation in Chemistry and Biochemistry</strong></td>
<td>Wed, Oct 18, 2006</td>
<td>8:30-12:00</td>
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</tbody>
</table>
**Harry Gray**  
*California Institute of Technology*

Professor Gray's interdisciplinary research program addresses a wide range of fundamental problems in inorganic chemistry, biochemistry, and biophysics. Electron-transfer (ET) chemistry is a unifying theme for much of this research. Gray's research has shown that electron tunneling in aqueous glasses is much less efficient than tunneling across saturated covalent bridges. Over the past twenty years the Gray group has been measuring the kinetics of long-range ET reactions in metalloproteins labeled with inorganic redox reagents. Current research is aimed at understanding how intermediate protein radicals accelerate long-range ET. The Gray group is also using ET chemistry to probe the dynamics of protein folding. A continuing challenge in this is field understanding how a heterogeneous ensemble of unfolded polypeptides evolves into a collection of neatly folded proteins. Laser-induced ET reactions are being used both to trigger and to probe the folding of redox active proteins.

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**Craig Hawker**  
*University of California at Santa Barbara*

Craig J. Hawker received a B.Sc. degree and University Medal in chemistry from the University of Queensland in 1984 and a Ph.D. in bioorganic chemistry from the University of Cambridge in 1988 under the supervision of Prof. Sir Alan Battersby. In 1993 he joined the IBM Almaden Research Center before moving to the University of California, Santa Barbara in 2004 where he is Director of the Materials Research Laboratory. His research focuses on the interface between organic and polymer chemistry with emphasis on the design, synthesis, and application of well-defined macromolecular structures in biotechnology, microelectronics and surface science. He holds 35 U.S. Patents, has co-authored over 200 papers in the areas of nanotechnology, materials science and chemistry and is listed as one of the Top 100 most cited chemists worldwide over the last decade (1994-2004).

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**Jeanne Pemberton**  
*University of Arizona*

The surfaces of solids and the interfacial regions between phases are sites of critical importance in an array of relevant processes and technologies. The catalysis of chemical reactions by metals, the corrosion of metals, the pollution of groundwater by toxic chemicals released from soil surfaces, the organization of surfactants at liquid-liquid interfaces important in phase-transfer catalysis, and the conversion of chlorofluorocarbons to reactive chlorine species which destroy ozone in the upper atmosphere are all examples of important chemical processes which occur at surfaces or within interfaces. Our research seeks to develop an understanding of such chemistry in several technologically important areas including electrochemistry and electrochemically-related devices, chromatography, self-assembled monolayers, surfactant systems, and environmental and atmospheric systems.

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**James Wells**  
*University of California at San Francisco*

Dr. Wells received a B.A. degree in biochemistry from the University of California, Berkeley, and a Ph.D. degree in biochemistry from Washington State University. In 1998, Dr. Wells founded Sunesis Pharmaceuticals where he served as President and Chief Scientific Officer and developed a novel fragment discovery technology known as disulfide trapping or Tethering. In 2005, Dr. Wells joined UCSF as the Harry W. and Diana Hind Distinguished Professor in Pharmaceutical Sciences. He is a joint Professor in the Departments of Cellular & Molecular Pharmacology, and Pharmaceutical Chemistry.
Advance registration available online at RMACS2006.arizona.edu

DEADLINE FOR RECEIPT OF ADVANCE REGISTRATION IS September 21, 2006

19th Rocky Mountain Regional Meeting of the ACS
Tucson, AZ
October 14-18, 2006

Dr.  Mr.  Ms.  Mrs.  1 Academic  2 Industry  3 Government  4 Student  5 Other

<table>
<thead>
<tr>
<th>Registration Fees</th>
<th>Ticketed Events</th>
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<tr>
<td></td>
<td>Free Events No charge, but must pre-register:</td>
</tr>
<tr>
<td>01. ACS Member</td>
<td>Sirnary Reception Sunday October 15        Free</td>
</tr>
<tr>
<td>02. Non ACS Member</td>
<td>Poster Session Reception Tuesday October 17 Free</td>
</tr>
<tr>
<td>03. Chemical Teacher</td>
<td>ACS Directors Breakfast Tuesday October 17 Free</td>
</tr>
<tr>
<td>04. Postdoctoral Fellow</td>
<td>Lunches:</td>
</tr>
<tr>
<td>05. Graduate Student</td>
<td>Women in Chemistry Lunches Sunday October 15 $20</td>
</tr>
<tr>
<td>06. Undergraduate Student</td>
<td>Luncheon in Honor of Victor J. Huby Monday October 16 $35</td>
</tr>
<tr>
<td>07. Pre-College Teacher</td>
<td>Luncheon in Honor of David F. O'Brien Tuesday October 17 $35</td>
</tr>
<tr>
<td>08. Visiting International Scholar</td>
<td>Dinner Events:</td>
</tr>
<tr>
<td>09. Visiting International Student</td>
<td>ACS Science Education &amp; Awards Banquet Monday October 16 $50</td>
</tr>
<tr>
<td>10. Retired &amp; Unemployed</td>
<td>Other Events:</td>
</tr>
<tr>
<td>11. Guest</td>
<td>Golf Tournament Wednesday October 18 $50</td>
</tr>
<tr>
<td>12. 80 Year ACS Member Free Free</td>
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</tr>
</tbody>
</table>

EDUCATIONAL WORKSHOPS: *Teacher/Re-certification Credits May Be Available
- Photocatalytic spectroscopy and ionization energies for chemical educators Monday October 16, AM Session $40
- Biological mass spectrometry - MSb for large and small molecules Monday October 16, ALL DAY Session (includes lunch) $100
- Advanced technologies for high school chemistry education, Saturday October 14, ALL DAY Session (includes lunch) $50
- Science education strategies for elementary and intermediate educators, Saturday October 14, ALL DAY Session (includes lunch) $50

CHEMICAL SAFETY & WORKSHOPS:
- Principles of Lab Safety, Sunday, October 15, 8:00 a.m. - noon $89.00
- Developing an Effective Lab Safety Program, Sunday, October 15, 1 p.m. - 5 p.m. $159.00
- How to be a More Effective Chemical Hygiene Officer, Monday, October 16, all day $356.00
- Lab Waste Management, Tuesday, October 17, 8:00 a.m. - noon $199.00

PLEASE READ THE FOLLOWING IMPORTANT INFORMATION
- ALL REGISTRATIONS MUST BE ACCOMPANIED BY A CHECK OR CREDIT CARD TO BE PROCESSED
- MAIL OR FAX COMPLETED FORM TO AMERICAN CHEMICAL SOCIETY, OFFICE OF SOCIETY SERVICES, 1156-16TH STREET, N.W., WASHINGTON, DC 20036. PHONE: (800) 227-5555, FAX: (202) 872-8007. PLEASE SUBMIT A SEPARATE REGISTRATION FORM FOR EACH REGISTRANT.

TOTAL FEES:
- Registration $___________
- Ticketed Events $___________
- TOTAL AMOUNT ENCLOSED $___________

Paid by:  □ American Express  □ MasterCard  □ Visa  □ Check

Cardholder Name (please print): ____________________________

Signature: ____________________________

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### Workshops

**Photoelectron Spectroscopy (PES)**  
Mon Oct 16, 2006 8:30-Noon Cottonwood

**Proteomics & Mass Spectroscopy**  
Mon, Oct 16, 2006 All Day Redwood

**2YC3 Two Year College Chemistry Consortium**  
(A Division of the American Chemical Society)  
8:30-Noon, 1:30-5:00 Redwood

**Division of Chemical Health & Safety Workshops**

Separate meeting registration is not required to attend the health and safety workshops.

**Principals of Laboratory Safety Workshop**  
Sun, Oct 15, 2006 8 a.m – noon $199  
*Jim Kaufman, Laboratory Safety Institute*

An intensive half-day seminar covering the fundamentals of lab safety and effective lab safety programs. Covers scope of the problem, accidents, legal aspects, emergency planning, chemical handling, chemical storage, biological and animal hazards, eye and face protection, chemical disposal, electrical safety, and safety program planning. This seminar is intended for industrial, government, medical, and post secondary academic institutions.

**Developing an Effective Laboratory Safety Program**  
Sun, Oct 15, 2006 1 p.m – 5 p.m. $199  
*Jim Kaufman, Laboratory Safety Institute*

This interesting and entertaining presentation confronts one of the more common excuses for not having or improving the lab safety program ... "it costs too much." This is simply not true. Excellent lab safety programs do not need to cost large amounts of money. Ten simple concepts will be presented to demonstrate this important theme. These are the critical components for an effective lab safety program.

**How To Be A More Effective Chemical Hygiene Officer**  
Mon, Oct 16, 2006 8 a.m. -5 p.m. $395  
*Dr. James Kaufman and Mr. Russell Phifer.*

Take a close look at the Chemical Hygiene Officer position, and prepare at the same time for the NRCC -CHO Certification exam to be held the next day. This program gives a different slant to safety issues in the laboratory, focusing on what you do and how you can do it better. The presenters bring a wide variety of experience to the table, but the real stars of the workshop are you – past attendees note the interactive approach focusing on their problems, from getting administrators involve in safety to dealing with regulatory concerns. The course covers all of the content areas of the certification exam, including a sample test in the same format as the real one. Whether you are a new Chemical Hygiene Officer or an “old” one, you will find something to put to real use in this fast-paced presentation.

**Laboratory Waste Management Workshop**  
Tues, Oct 17, 2006 8 a.m. - noon $199  
*Mr. Russell Phifer*

This comprehensive half-day course will identify the various regulatory requirements that apply to laboratories that generate hazardous waste and provide insight into the options for on-site management and off-site disposal. Focus will include discussion on waste management systems, recycling & reclamation techniques, economical handling of wastes, and liability issues. Learn all the tricks that disposers use to increase their profit and use them to increase your savings. Mr. Phifer has over 25 years experience in managing laboratory wastes for academic and industrial laboratories and is a member and past chair of the ACS Task Force on Environmental Health & Safety.

**Chemical Hygiene Officer Certification Exam**  
Tues, Oct 17, 2006 8 a.m. - noon $125 exam fee $100 application fee  
*National Registry of Certified Chemists*

To receive an application/information packet go to nrrc6@aol.com then enter CHEMICAL HYGIENE OFFICER in the subject field and enter your **postal mailing address** in the message field.

### ACS ChemJobs Career Center

The Chemjobs Employment Center is open to ACS members and national and student affiliates. Job seekers and employers will be provided a venue to meet and discuss job opportunities. For questions regarding participation, please contact Garretta Rollins by calling (202) 872-6209, or via email at g_rollins@acs.org.
Awards

There will be an Awards Banquet Monday, Oct 16, 2006 at 7:00pm where the 2005 and 2006 National ACS Award winners from the Rocky Mountain Region will be recognized and the recipients of the following awards will be announced.

**Rocky Mountain Region Award for Excellence in High School Teaching**

**College Educator Award for Excellence in Teaching**

**Regional Award for Volunteer Service to the American Chemical Society**

**The Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences**

**ACS Regional Industrial Innovation Award**

Following the awards, the keynote speaker will be

**Dr. Robert N. Shelton**

President, University of Arizona

Dr. Robert N. Shelton is the 19th President of the University of Arizona. Prior to his arrival to UA on July 1, 2006, he was Executive Vice Chancellor and Provost at the University of North Carolina at Chapel Hill for five years. His other academic appointments were Vice Provost for research in the University of California Office of the President and Vice Chancellor for Research at UC-Davis, where he was also Professor of Physics. He earned his undergraduate degree from Stanford and his master’s and doctoral degrees in physics from UC-San Diego.

Undergraduate Activities

**Undergraduate Breakfast with graduate school recruiters**

Lindy Brigham (Professional Masters) and David Thorpe, Head of BioSA and Sanofi Aventis (invited)

Sun, Oct 15, 2006 Morning Cottonwood

**Undergraduate Symposium and Keynote Speaker**

Dr. Robert N. Shelton, President, University of Arizona

*Following the awards, the keynote speaker will be Dr. Robert N. Shelton, President, University of Arizona.*

**Undergraduate BBQ with industrial guests**

Chemical Solutions -- Undergraduate party

**Liquid nitrogen ice cream social**

**Undergraduate Breakfast with graduate school recruiters**

**Poster Competition Salon E-H Sunday Evening**

Graduate Activities

**Graduate student talks:** Graduate students can participate as speakers in the regular sessions

**Graduate Student Poster Session**

Tues, Oct 17, 2006 11:00 am Boojum-Bonsai

**Graduate Student Keynote Lecture**

Dr. Charles Bamforth Sun, Oct 15, 2006 11:00 a.m. Redwood

**Graduate Student Microbrewery Tour**

Sun, Oct 15, 2006 1:00 p.m. Nimbus Brewery

**ACS-sponsored Career Workshop**

Mon Oct 16, 2006 Full day Brasswood

**Dr. Charles Bamforth**

University of California, Davis

Dr. Charles Bamforth is the department chair for the Department of Food Science and Technology at The University of California, Davis. He joined UC Davis in 1999 after more than twenty years as a research scientist in the brewing industry. He earned his Ph.D. from the University of Hull in East Yorkshire, Great Britain in 1977, and his D.Sc. in 1993. His current research focuses on the control of Dimethyl sulfide in lager beers, the degradation of β-glucans during malting and brewing, and flavor stability. He has over 150 publications, including four books on the fermentation process and micro-organisms.

Golf Tournament

A fundraising golf tournament will be held at 1:00 pm on Wednesday, October 18th to cap off the [RM]-ACS meeting at the prestigious El Rio Golf Course. The course layout features tight fairways, small greens, relatively flat terrain, two lakes, and numerous trees. Golfers of all skill levels are encouraged to play! The $50 registration includes greens & cart fees as well as your donation to help develop laboratories in local high schools. Sign up now to reserve your spot!

Women's Chemistry Group Luncheon

On Sunday, October 15, 2006 the Southern Arizona Women’s Chemistry Group will host a luncheon featuring Professor F. Ann Walker as the speaker. Professor Walker is a Regents Professor of Chemistry and the 2006 recipient of the Alfred Bader Award in Bioinorganic Chemistry. The luncheon is at noon and the cost is $20. Please see the meeting registration form. The luncheon will be proceeded by programming including by a panel discussion on Career Options for Chemists.
Announcement

Chemistry at the Borders
The 19th Rocky Mountain Regional Meeting of the ACS
October 14-18, 2006 Tucson, AZ
One the web at RMACS2006.arizona.edu
Abstract submission closes August 1, 2006
Advanced registration closes September 21, 2006

The meeting will be held at the Doubletree Hotel at Reid Park conveniently located in central Tucson immediately adjacent to the Tucson Zoo, Randolf Golf complex, the USTA Tennis center, shopping and dining.