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Central Texas ACS

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Newsletter of the Central Texas Section of the American Chemical Society

Thursday, September 24th, 6:30 PM-8:30 PM (Dinner 6:30-7:30, Talk 7:30-8:30)

Chocolate: Food of the Gods

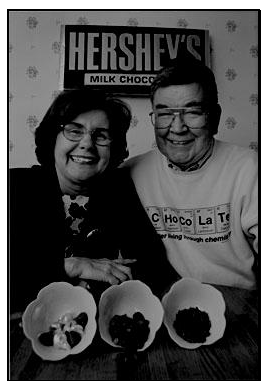
Howard and Sally Peters

University of Texas at Austin, Welch 2.304

For directions and parking, see p. 3

\$10 for members/adults, \$5 for students

Please RSVP by SEPTEMBER 21 via email to malcolmdprouty@gmail.com or by calling (512) 968-4750



Talk Abstract

Chocolate has been a part of New World culture for thousands of years. This talk includes: 1. Some high points of the history of chocolate and its production from the Mayan, Olmec and Aztec cultures up to the present; 2. Aspects of the processing of the cocoa bean & pod, fermenting, drying, roasting, conching, tempering, blending and finishing; 3. Some chemistry, biochemistry, and biology of chocolate and the active ingredient theobroma cocoa (literally from the Greek - Food of the Gods); 4. Some health aspects (flavanoids, polyphenols & other anti-oxidants) that suggest this exotic food is good for you; 5. A discussion about aspects of the "dark side" of chocolate; and 6. A few circulating legends (& trivial connections) about chocolate. For attendees who stay to the "bitter" end, there will be a free drawing for a 10 pound bar of Guittard "bittersweet" chocolate. You must be present to win. For more information, see <http://www.howard-peters.com> (home page and some old slides in PPT on the second page under the Presentations bar) and <http://scvac.org/newsletter/news0806hi.pdf> p.2-3)

Howard Peters is a 1962 graduate of Geneva College, Beaver Falls PA (hometown of Joe Namath). He earned a Ph.D. inorganic chemistry at Stanford University in 1967 under the late Dr. Harry S. Mosher. After 12 years in industry first with The Dow Chemical Co. in Midland MI and then SRI International in Menlo Park, CA in high explosives research, he received his Juris Doctor in law from Santa Clara U. in 1978. He was first a chemical patent attorney with SYNTEX (The Pill and ALEVE) and then was in private patent law practice for 12 years with Phillips Moore Lempio & Finley LLP of San Francisco and Palo Alto. He was a cofounder of the boutique patent law firm, now Peters Verny LLP of Palo Alto, in 1996 and retired from active practice in 2007. Howard is co-inventor on 7 US patents and has written or prosecuted over 300 patents. He is a 47 year member of the ACS and has 31 years of service on the ACS Council (of 500). He was a co-founder of the ACS Division of Chemistry and the Law in 1983. He received the 2007 ACS Henry Hill Award for advancing chemistry as a profession. From 2005-7, Howard served as a member of the ACS Board of Directors and was the unsuccessful candidate for ACS President-elect in 2007. In March 2008, Howard and his wife Sally were invited scientist/author lecturers on Cunard's Queen Mary 2 in the Caribbean. In April 2008, he received the annual Geneva College Life "G" Award to recognize community service and public outreach. Howard and Sally will share the 2009 Harry and Carol Mosher Award of their Santa Clara Valley ACS Local Section. He is the author of the ACS reference book *Understanding Chemical Patents, 2nd, 1991* and is currently working of the next update.

Sally Peters is a graduate in chemistry of Geneva College (1964). She did work in tobacco mosaic virus research at Stanford under Dr. Hubert Loring (the chemist who first crystallized the polio virus) and then worked briefly in the Swain Chemistry Library at Stanford. In 1983 she earned a Master's Degree in Library Science at San Jose State U. She has been a chemical information specialist at PARC, INC (formerly XEROX PARC) in Palo Alto CA for 25 years. She served as the 2001 Chair of the ACS Santa Clara Valley Local Section and has served as a member of the ACS Council for 15 years. Sally received the Geneva College Outstanding Alumni Service Award (1997) and the ACS - SCV Section's Ottenberg Award in 2001. She has organized the high school level ACS -United Nations Chemistry Olympiad competition in the Silicon Valley since 2001.

The Peters family includes Theresa, a 20+ year high school biology teacher in Pasadena CA and Elizabeth, a biotech business type formerly with Eli Lilly in Indianapolis IN and now with Gilead of Foster City CA. Their two Hoosier granddaughters, Kayleigh & Megan, have over 125 years of ACS membership through their grandparents. The other grandfather, Dr. Raj Bhatt, is a retired biochemist from Abbott Labs near Chicago IL and is a 50+ year member of ACS.

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Chair's Page

Councilor's Report, Fall 2009 Diane Kneeland

The fall meeting of the American Chemical Society was marked by record attendance for a Washington, D.C. venue with more than 14,000 attendees. A number of new programs and awards were introduced, and the candidates for President-Elect of the Society were announced. At the Council meeting on Wednesday, a financial summary was given, and the method by which presidential candidates are chosen was discussed.

A new program was introduced, entitled Chemistry Ambassadors, designed to equip ACS members to be more effective spokespersons for chemistry. Information may be found at www.acs.org/chemistryambassadors. Another program, Science Coaches, was developed based on recommendations from the Task Force on Education, which is charged with the mission of 1) reviewing recommendations contained in national STEM (Science, Technology, Engineering, and Mathematics) education; 2) identifying specific actions that the Society could undertake in response to these recommendations; and 3) creating a priority list of actionable items where the Society can have a unique impact on STEM education.

The inaugural group of ACS Fellows was honored, which featured at least 3 Central Texas members-congratulations to C. Grant Willson, Donald R. Paul, and Allen J. Bard of UT Austin. The Committee on Public Affairs and Public Relations announced the designation of "Dip-and-read Tests for Blood and Urine Glucose" (work of Al and Helen Free) as a National Historic Chemical Landmark.

Plans are being developed with the International Union of Pure and Applied Chemistry (IUPAC) leaders to celebrate the International Year of Chemistry-2011 (IYOC-2011).

The three nominees for the position of ACS President were announced at the Council Meeting. They are: Nancy B. Jackson, International Chemical Threat Reduction Department Manager, Sandia National Laboratories; Cheryl A. Martin, currently on sabbatical, former Corporate Vice President and General Manager, Rohm and Haas Company; and Mary Virginia Orna, Professor of Chemistry, College of New Rochelle, New Rochelle, NY. Elections will be conducted in November by mail or electronically. The Council discussed in great detail the Petition on Election Timelines and Procedures 2009. This petition proposes to shorten certain election timelines and change petition candidates (who go straight on the ballot if they obtain enough signatures) to petition nominees (who need to be screened by Council along with other nominees chosen by the Committee on Nominations and Elections). The Council voted to send the petition back to the Committee on Nominations and Elections for revision and action at the 2010 spring Council meeting.

On the subject of finances, revenue shortfalls in several categories have been offset by implementing Contingency Plan actions and expense management initiatives. The revenue earning divisions of the ACS, including the Chemistry and Engineering News, have suffered significant cutbacks. A \$10 increase in membership fees has been approved and is expected to be implemented shortly.

The provisions of the Petition on Membership Categories and Requirements were fully implemented this past June with the transfer of former Student Affiliates to Student Member status, and Associate Members to regular Member status. As of July 31, the Society had 9,732 Student Members – 6,500 of them former Student Affiliates and more than 3,000 of them new Student Members.

The CEPA report indicated that on Tuesday the number of job hunters registered at the ACS Career Fair was 983 while 43 companies were interviewing candidates for 326 job openings. The number of companies and job openings was down from previous years due to the recession. Career consultants reported that they were kept very busy reviewing resumes and conducting mock employment interviews.

The next national meeting will take place in San Francisco, March 21-25, 2010. Mark your calendar and consider submitting an abstract, taking a short course, or visiting Career Services for resume review or interview preparation. Unemployed members are eligible to register at no charge for the meeting.

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Calendar of Events

Directions to UT Austin, Welch 2.304

From North of University of Texas Campus:

- Travel southbound on I-35.
- Take exit 235A (MLK & 15th St) and turn right on E Martin Luther King Jr. Blvd.
- Turn right on San Antonio St.
- Turn right on W 24th St and make an immediate left back onto San Antonio St.
- The San Antonio Parking Garage is located at 2420 San Antonio St (parking will be validated).

From South of University of Texas Campus:

- Travel northbound on I-35.
- Take exit 235A (15th St. & MLK) and turn left on E Martin Luther King Jr. Blvd.
- Turn right on San Antonio St.
- Turn right on W 24th St. and make an immediate left back onto San Antonio St.
- The San Antonio Parking Garage is located at 2420 San Antonio St (parking will be validated).

From San Antonio Parking Garage to Robert A Welch Hall:
(walking time approximately 6 minutes):

- Pull a parking ticket and bring it with you to the meeting.
- Walk southbound on San Antonio St towards W. 24th St.
- Turn left on W. 24th St. and walk towards campus.
- Robert A. Welch Hall is on the corner of E. 24th St. and Speedway St.
- Get your parking ticket validated when you pay for the meeting.
- Take the ticket to the parking garage attendant before you return to your car.

Southwest Regional Meeting

November 4-7, 2009

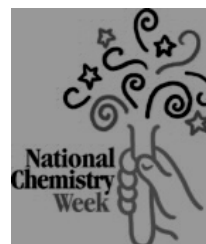
El Paso, Texas

**Deadline Extension: Submit your abstract through
September 21, 11:59 PM**

Please visit the SWRM website at <http://www.swrm.info/>
Check this website often for updates to symposia listings and click on ABSTRACTS for more information.

Among the highlights of this event are many symposia covering a range of topics with emphasis upon US/Mexico chemistry interactions, collaborations and student exchanges. Presenters will include ACS President-Elect Joe Francisco (Atmospheric chemistry); Luis Echegoyen (New initiatives at NSF directed at chemistry); Jim Tour (Nano-vehicles).

Central Texas ACS National Chemistry Week Celebration Sunday, October 18th, 3PM-5PM Austin Children's Museum



**2009 NCW Theme:
"Chemistry: It's Elemental!"**

Visit www.acs.org/ncw for more on how you can participate in National Chemistry Week!

Fall 2009 Nanotechnology Colloquium Speakers Schedule September-October

September 14

Duncan Griffiths

Business Development Manager, NanoSight USA West
Speaking from Austin, TX

*"Single Nanoparticle Visualization and Sizing
Technique for Multi-Parameter Analysis"*

September 21

Bill Ramey, Winstead PC

Speaking from Austin, TX

To Be Announced

October 5

Carlo Segre, Illinois Institute of Technology

Speaking from Chicago

To Be Announced

October 19

Eeva Viinikka, Nanotechnology Centre of Expertise in
Helsinki Region

Speaking from Finland

"Nanotechnology Networks and Innovation in Finland"

In Austin, events will be held at Winstead Austin, 401 S. Congress Ave.,
Ste. 2100. All events begin at 12:00 Noon with a complimentary
luncheon at 11:30.

Please RSVP with your name and where you will be attending to Deepika
Misra at dmisra@winstead.com.