



ACS Newsletter

The Newsletter of the Southern Arizona Section of
the American Chemical Society

Fall 2012



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Pollyanna Wikrent

Chair Elect:

Dhanasekaran Muthu

Immediate Past Chair:

Philip C. Keller

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Patricia Schumann

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CJ Pommier

Treasurer:

Derek Redmore

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Committee Chair, and Membership
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Womens Chemistry Group Chair:

Sharon Gardlund

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Awards Committee Chair:

Chuck Weidner

Letter from the Chair

Your local ACS section has been busy this summer planning some activities for this fall and winter. I hope that you can find some time to come out and enjoy them. Our women's chemistry group and chemistry teacher's group have several meetings planned for the fall. The May teacher's meeting went very well with a broad participation of junior high, high school, community college and university chemistry instructors discussing a variety of topics. Their enthusiasm has boiled over into this fall with a goal of meeting at least two times. I am looking forward to see what this group can do in the future to benefit the chemistry students of all ages in our community. Thank you to all who were involved. Please read the attached article from the women's chemistry to find out more information about their active fall schedule. They also continue to do wonderful things for the Tucson community.

Sometime after October 23rd, we are looking for volunteers to help stage a chemistry magic show for the children going to school on Davis Monthan Air Force base. If you'd like to get involved with this activity or with any other activity that you read about in the newsletter, please contact me. pwikrent@pima.edu

Please also visit our website: sazacs.sites.acs.org for more information about the section. We are trying to start a local section History page. If you'd like to participate, please email us your stories!

Hope to see you soon,
Pollyanna Wikrent
2012 Chair, Southern Arizona ACS



ACS MOTW

A fun, interactive new app from your iPhone or iPad from the American Chemical Society! A new molecule will be delivered to your iPhone each week. Guess what each molecule is, based on an image and the clue we supply. The app is available for free download from iTunes.



Dinner Meeting
CHOCOLATE

Monday, October 1, 2012



Speaker: Diane Trinqué, owner

Come taste some delicious samples



Metropolitan Grill, 7892 North Oracle Road
Social time 5:30, Dinner 6:00, Talk 7:00

10110 North Oracle Road
<http://www.sabinochocolates.com/>

October 25, 2012 5:30pm

In celebration of National Chemistry Week

Speaker: Judith L. Jenkins

Topic: The development of asymmetric semiconductor nanorods for photocatalytic water splitting

Location: Union Public House

November 16th, 2012 5:30pm

Speakers: Local Section Student Group, SMACS

Topic: a recap of the year's activities

Location: Cafe Vicente

News from the SMACS Student Chapter

The student chapter at the University of Arizona (SMACS) has a very busy semester planned. We are working on getting new members trained to collect Household Hazardous Waste so they can participate in our volunteer program, HHW, which collects on the first Saturday of every month. Additionally, we are preparing for our Fall Magic Show, which will take place on Saturday, October 20th from 11AM-noon in the Chemistry building, room 111 at the University. The show is for all ages and we hope to see you there!

Women's Chemistry Group Activities in Fall 2012 and Spring 2013

The Women's Chemistry Group has begun its 2012-2013 activities with a September first Friday breakfast at Beyond Bread on Campbell, 6:45-9 AM. This is our favorite networking and "nosh and nibbling" event, and it will continue through April 2013.

The next scheduled Science and Technology Funfest will be November of 2013, so the Silly Putty Booth (our biggest involvement) won't be in action again until then; however we have been invited to participate in several "mini-Funfests" to be held with different school districts during the academic year 2012-2013, so our skills and procedures won't "get rusty"!

We will be selecting one or more weekends this Fall and/or early next spring to exhibit next to the Butterfly exhibit at Tucson Botanical Gardens; we generally do three tables of hands-on exhibits relating plant life and chemistry.

We are anticipating an invitation to join the UA -WISE sponsored "Expand Your Horizons" workshop as panel members or workshop participants. This event, an annual Fall happening, is geared to encouraging junior high young ladies in careers in math and science.

We present award and gift certificates to promising science projects done by young ladies, K-5, at the SARSEF Science fair in March.

We will have a Friday late afternoon/ early evening Happy Hour in December and May when we combine outreach and socializing with members who can't make the early breakfasts. We feature donations and volunteering at the Emerge! Center for Abused Women and Children in December and donations of gently used business clothing to "Your Sister's Closet" in May.

Chemistry Educators Meeting University of Arizona Student Union May 11, 2012

The Southern Arizona Section sponsored an informal get together to discuss common concerns, interests and activities for the coming 2012-2013 school year. Salsa, snacks, and iced tea were provided to fuel the exchange. Over 25 educators were present: two were from the UA and four from Pima College with the rest representing school districts in Southern Arizona. The meeting was a success; everybody agreed to meet several times in the coming academic year.



Southern Arizona local section receives a grant to organize chemistry career café

A Local Section Innovative Project Grant proposal submitted by Dhanas Muthu for organizing chemistry career café has been awarded recently. Our section will receive a total of \$2200 for organizing career cafe. It is proposed to organize one or two events in the late 2012 and early 2013. These events will feature ACS career consultants and some local experts. It will be a great opportunity for our local members to network with other members and get help from the ACS career consultants. Also it might form a basis to help establish a chemistry job club for our local section. Stay tuned for the detailed announcements in your mail or E-mail box! Hope to see you all during the career café!

Available Now The New ACS Guidelines and Recommendations for Teaching High School Chemistry

Featuring strategies and considerations for teaching high school chemistry in the 21st century to all students, the new ACS Guidelines and Recommendations for Teaching High School Chemistry are a useful resource for strengthening high school chemistry programs. This timely and comprehensive document provides guidance on the classroom and laboratory environments, safety, the big ideas in chemistry, strategies and technologies for teaching diverse learners, the professional responsibilities of chemistry teachers, and more.

Visit www.acs.org/hsguidelines for more information.

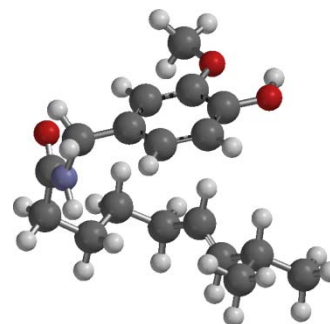
Teaching Opportunities

Several school districts in Tucson are DESPERATELY looking for high school chemistry teachers. Some Districts are willing to hire people without previous teaching certification. For more information, please contact Vicente Talanquer.

Associate Professor
Department of Chemistry and Biochemistry University of Arizona
Phone: 520-626-8169
Fax: 520-621-8407
vicente@email.arizona.edu

Capsaicin

The aromatic amide capsaicin is the “hot stuff” in chili peppers and paprika. It takes its name from Capsicum, the genus to which many peppers belong. It was isolated in 1816; its structure was elucidated in 1920; and it was first synthesized in 1930.



UA Chemistry Club Magic Show! April 21, 2012

The UA ACS Student Affiliates group presented their semi-annual magic show between 11:00 am and 12:00 pm on April 21, 2012 in Room 111 of the Old Chemistry Building (across the grass mall from the Student Union). A few images from this event are below:



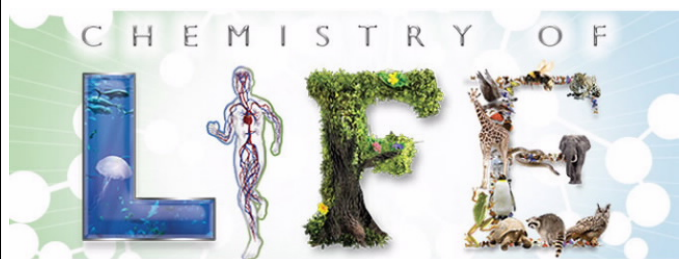
USA Team Awarded Gold and Silver at the 44th International Chemistry Olympiad

U.S. National Chemistry Olympiad program would like to proudly announce the success of the Alpha Epsilon Team at the 44rd International Chemistry Olympiad competition, which concluded July 30, 2012 in Washington, D.C.

U.S. Team students:

Christopher Hillenbrand of Regis High School, NY, won Gold Medal
Sidharth Chand of Detroit Country Day School, MI, received Silver Medal
James Deng of Choate Rosemary Hall, CT earned Silver Medal
Jason Ge of Westview High School, CA won Silver Medal.
The USA Team students competed against 279 students from 71 countries.

Congratulations to Team USA!



**Spring 2013 National Meeting and
Exposition**

San Diego, CA March 25-29, 2013

Theme: Chemistry of Life

Visit us on the web at
<http://www.sazacs.org/>

You can e-mail update requests to the
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Department at service@acs.org - or
telephone them 8:30 - 5:00 pm ET at
800-333-9511

National Chemistry Week 2012

**Nanotechnology:
The Smallest BIG Idea in Science**

Oct. 21-27



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