



ACS Newsletter

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

Fall 2013



2013 Section Officers and Committee Chairpersons

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Dhanasekaran Muthu

Chair Elect:

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Womens Chemistry Group Chair:

Sharon Gardlund

Publications Chair:

Tom Selegue

Letter from the Chair

Dear ACS Members:

It has been wonderful serving as the Chair of the local section! Thank you all for your support and your encouragement to the local section. We had many activities in the Spring, which were organized by various sub-groups of local section. I thank all the hard working volunteers who helped to organize those events.

There are many activities planned for this Fall; details are given in this newsletter. I would like to highlight the Winter Reception planned on December 15th. This year, we are having this social event early on a Sunday evening at the Doubletree hotel. Please come and enjoy this free event with your fellow chemists. You are welcome to bring your family to this event! Your local section will provide food and cold beverages.

Another spotlight in this Newsletter is about our local section election. You all will receive the ballots in the second or third week of November. I request that everyone participates in this process by sending the completed ballots back on time. If you are on the UA campus, you may conveniently drop your ballots in Steve Brown's mailbox in the Chemistry Department.

Please visit our website (<http://sazacs.sites.acs.org>) for more information and details on current activities.

I welcome any ideas or suggestions. I can be easily reached by Email at Dhanas.muthu@gmail.com.

Sincerely,

Dhanasekaran Muthu

2013 Chair, Southern Arizona section of the American Chemical Society

Women's Chemistry Group Fall Doings 2013

The WCG, with a crew of volunteers, is gearing up for the presentation of the Silly Putty Booth at the 10th annual Math, Science and Technology Funfest, which has reverted to its early November scheduling and totally booked shortly after registration opened! 6,000 middle schoolers from southern Arizona will be in attendance on Nov 7 and 8, 9 AM to 1 PM, and we plan to send at least 1800 of them home with their own bag of neon dyed glue-borax polymer (“silly putty”). Hopefully they will be also taking away a sense that science can be fun, and that making silly putty is a typical chemical reaction that requires patience, effort and careful measurement.

We will have on display for the waiting lines a large poster presenting our 2013 featured “Women in Science”, **Dr. Patricia Bath** who invented the laserphacoprobe, the instrument used for laser cataract surgery; **Dr. Ruth Benerito** who altered the structure of cotton to make permanent press fabrics; biochemist **Gertrude Elion**, who won the Nobel prize in Medicine for her work on 8-mercaptopurine, responsible for a current cure rate of 8 in 10 childhood leukemia cases; and **Stephanie Kwolek**, the DuPont chemist who invented poly-paraphenylene terephthalamide—better known as Kevlar, the fiber five times stronger than steel.

Shirley Bemis will host an orientation dinner at her home for all involved in the FunFest operation on Friday, November 1 and all interested ACS members interested in participating are very welcome to join us, email sgardlund@yahoo.com.

Meanwhile the WCG group has enjoyed this Fall two first Friday early morning breakfasts at Beyond Bread, which will be preempted by the Bemis dinner in November and the Group Happy Hour on December 6, concluding our fall season with the collection of gifts for the Emerge Center Holiday store.

We're looking forward in Spring 2014 to Science Fair and SARSEF judging, demonstrations at Tucson Botanical Gardens next to the Butterfly Magic exhibit, first Friday lunches, and May Happy Hour. All are welcome to drop in on any of these activities as time permits.

Sharon Gardlund, Chair WCG

Chemical Education

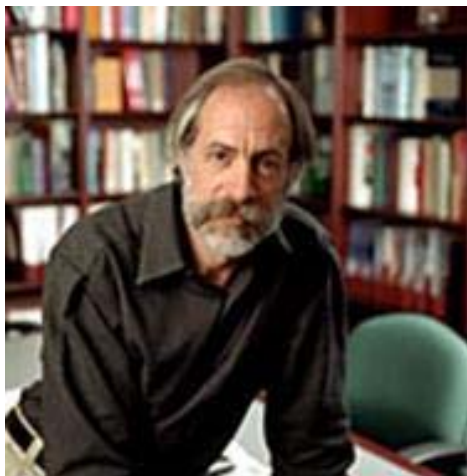
The **education committee** is having a chemical education social on Friday, Nov 1. A discussion session entitled "What's new in chemical education" is being planned for the spring of 2014. Contact Stacey Jones-Willy at staceyjohnwilly@comcast.net for additional details.

Be a Chemistry Ambassador Using ACS Toolkits

ACS offers toolkits designed to help members communicate about important challenges nationally and globally, each of which involves chemistry as a critical component. These toolkits offer resources, talking points, facts and expert testimonials to help you communicate more effectively about chemistry's vital role in the following subjects: [Sustainable Water](#), [Sustainable Energy](#), [Climate Science](#) and [Federal Science Funding](#).

Dinner Meeting

Speaker: [Dr. Joaquin Ruiz](#), University of Arizona



Vice President of Innovation and Strategy
Executive Dean, Colleges of Letters, Arts and Science
Dean, College of Science
Professor of Geosciences

Talk Title: **Geochemistry**

When: Wednesday, Oct 30, at 6pm
(Social Hour Starts at 5:30 pm)

Where: [Metropolitan Grill](#)
7892 N. Oracle road (Oracle and Magee), Tucson 85704

Please RSVP by October 28th, at 5pm.

[RSVP Online Click Here!](#)

Or call (520-319-1319)

or

**E-mail (derekredmore@msn.com) Derek Redmore
to RSVP or cancel RSVP!**

News from the Pima Community College Chemistry Club

A chemistry club has been initiated at Pima Community College to help engage our students who are interested in chemistry. Participants will be involved in outreach events, networking, and presentations early in their careers. A \$500 ACS Student Chapter Starter-Grant for Two-Year Colleges was received to help get the club off the ground. We currently have nine ACS student members and several other non-ACS members. An application has been submitted to obtain an official charter from the ACS, which should be granted within one month. One regular meeting has been held to date. On Monday, Oct. 7, we had a very successful bake sale. We sold more than 118 cupcakes which were layout as the periodic table of elements and we also raffled off a periodic table blanket. The club has been featured in the Pima Community College newspaper.



The following events are planned:

October 25 - Second regular meeting.

October 26 - Safe Halloween Boo Bash Event at Clements Center.

October 30 - Outreach Event at a local elementary school.

November 8 - ScienceAthlon Event

November 22 - Speaker Series

We are also planning a field trip and a fun outing by the end of the semester. Check us out at www.pccchemclub.com for more info and photos.

News from the University of Arizona Chemistry Club

The University of Arizona Undergraduate Chapter of the ACS (Chemistry Club) has been hard at work preparing for various events coming up in the near future including the October 19 Magic Show at the University of Arizona, "Spooktacular Science Night" at Flandrau Planetarium, the "Expanding Your Horizons" Conference held through Women in Science and Engineering, and many more! As always, the volunteers will be providing chemical demonstrations and educational advice to all who attend their events. The Club has continued its work with the Tucson Fire Department in the Household Hazardous Waste removal Program. Further, the club invites the community to contact Kevin Cornett (kmcornett@email.arizona.edu) if they wish to request the club's participation in an event!



Local Section Election

Ballots for the election of new officers in the Southern Arizona section of the ACS will be mailed on Nov. 4th, 2013. Ballots need to be mailed back by Nov 18th.



Congratulations to Wilma Amaro
for

**2013 Stanley C. Israel Regional Award
for Advancing Diversity in the
Chemical Sciences**

The award was presented at the Western Regional
ACS Meeting on Oct 4th, 2013.

Wilma was the recipient of the Southern Arizona
ACS section's 2012 High School Teacher Award
and has been a change agent for promoting
chemical education to the bilingual student
community in the Tucson area for many years

Holiday Social Event

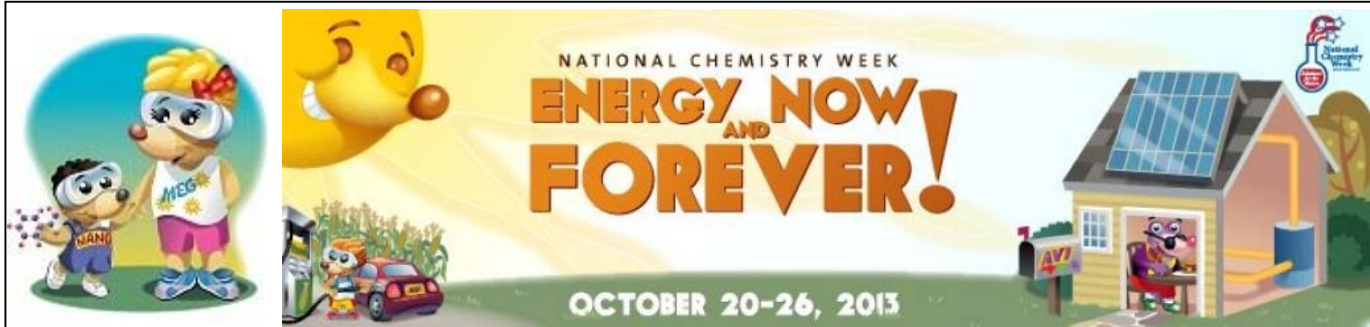
Please come and enjoy this free event with fellow chemists. You are welcome to bring your friends and family. You may find this event relaxing after your busy holiday shopping! Your local section will provide food and non-alcoholic beverages.

Date: Dec 15, Sunday 4:30 – 7:30 PM

Place: DoubleTree by Hilton Hotel, 445 S Alvernon Way, Tucson 85711.

Become a Science Coach!

Share your expertise and enthusiasm for science with an elementary, middle, or high school teacher—become an ACS Science Coach. In this year-long volunteer role, you may find yourself planning and presenting demonstrations, helping students with lab, answering content questions, or providing real-world examples. Together, you and the teacher decide how to best combine your time and talents. If approved, ACS will donate \$500 to the school to support your efforts. Find out more at www.acs.org/ScienceCoaches.



247th National Meeting and Exposition



Dallas, TX March 16-20, 2014 Theme: Chemistry and Material for Energy

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them 8:30 - 5:00 pm ET
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