In March, this newsletter and other means will remind you that a survey is coming your way. With the help of some professionals at ACS headquarters, the Executive Committee has prepared a survey to help us help you. That’s right; help us help you. We have over 3,000 members in the Santa Clara Valley (SCV) local section. You’re one of them, and you can tell us things we don’t know.

Many volunteers work on the many projects, awards, and meetings that are scheduled throughout the year. From the survey, you will see all of them if you don’t know about them already. Which ones can you help with by volunteering? One of the nice things about SCV activities is the number of people who volunteer and how well their work is received. You can do it and find how rewarding and grateful people can be.

Back to the survey… It is designed to take 5 to 7 minutes. That’s all; seven minutes, tops. Sure, there are some questions, and we even have one of those 1 to 5 rankings for one of the questions. The rest you will breeze through.

Don’t forget, you’re welcome at any or all of these events and the Executive Committee meeting.

The SCV local section needs your help by taking the time to tell us what you think.
Reminder  March 21st Dinner Meeting  Reminder

Carbon for Water
A film by Evan Abramson and Carmen Elsa Lopez

More than one-sixth of the world’s population lacks access to safe drinking water and 3900 children die from water-borne diseases daily. In recognition of this, the American Chemical Society launched Pennies for PUR Water for the International Year of Chemistry 2011. This program provided funding for a 3.5-cent sachet that can safely treat 2.5 gallons of water. The movie “Carbon for Water” presents a similar program found in Kenya where a for-profit company aims to provide 900,000 water filters to villagers to reduce the practice of boiling water via burning wood. These filters will decrease deforestation and help the time women and girls walk every day to collect wood. The reduction in wood burning will reduce CO₂ emissions. The company can sell this CO₂ credit on the voluntary open market. “Carbon for Water” is a 22-minute film that describes how the company distributes the filters and the effect on the local community. The film is directed and produced by Evan Abramson and Carmen Elsa Lopez (www.carbonforwaterfilm.com).

This documentary was shown at the last ACS National Meeting in Philadelphia as part of the Committee on Environmental Chemistry project. Watch the movie, and join in the discussion.

Welcome to the Santa Clara Valley Section of ACS

Each month the section receives a spreadsheet from national ACS with the names of members new to our section. The members are either new to ACS, have transferred in from other areas, or are the newest members – students. To welcome you to the section and get to know you, the Executive Committee offers new members a free dinner!! To encourage you to attend a monthly section dinner meeting, we would like you to be our guest. When you register, make certain to mention that you are a new member and you and a spouse (or friend) will be our guests. The dinner meetings are often the 3rd Thursday of the month at a local spot, somewhat convenient to the entire section. If you are unable to attend in the evening, perhaps you would join us for an outreach event, like judging a science fair, participating in the Chemistry Olympiad, or a National Chemistry Week event in October. Then, there is our annual wine tasting and awards picnic in July. The local section is a volunteer organization. Please attend an event, volunteer to help, and get to know your local fellow chemists. Welcome!!

New Members List for February

Jim Aldridge  Robert George Kuimelis  Joseph Roan
Charles B. Chisom  Lindsey Rae Lawrence  Kimberly M. Sogi
Dr. Hai Deng  Professor Michael Z. Lin  Casandra Mae Sowash
Dr. Andrew W. Drake  Chong Liu  Richard Stephenson
Dr. Alexander Edens  Yuelie Lu  Zachary Kevin Sweeney
Professor Ronald K. Hanson  Brian McDonald  Dr. Janet Tamada
Sarah C. Heilshorn  Marya Melkie  Binh Thai
Dr. Meng Heng  Dr. Richard Alan Miller  Corazon T. Victa
Eric C. Hilario  Sanjay K. Mohanty  Dr. Leiming Wang
Dr. Ann E. Jain  Rao Morusupalli  Dale Waters
Dr. Noemie Janot  Dr. Claudia E. Mueller  Brian Wong
Kanchi Kejriwal  Alexia Nicole Perryman  Dr. Bin Yang
Wanmei Kuang  Olivier Rene  Calvin W. Yee

March Dinner Meeting

Date:  Thursday March 21, 2013
Time:  6:00 p.m. Social Hour
        7:00 p.m. Dinner
        8:00 p.m. Movie Presentation

Presentation:  “Carbon for Water”
A film by Evan Abramson and Carmen Elsa Lopez

Location:  Biltmore Hotel & Suites
          2151 Laurelwood Road
          Santa Clara, CA

Cost:  $26.00

Reservations:  www.scvacs.org
Lois Durham, 650-322-3507

Reservations should be made by March 18th stating your name, address, company/school affiliation, and dinner selection. If you are unable to honor your reservation, please cancel by March 20th.

Industrial Nanoparticles, continued from front page

of ZnO nanoparticles within soybeans, finding that they are transformed into a chemical form bound to organic acids within the plants. CeO₂ nanoparticles within these plants were found to persist in the nanoparticle form even within the edible soybean, and therefore may persist into future plant generations, with potential health implications.

Biography:

Joy C. Andrews earned a PhD in Physical Chemistry from UC Berkeley, where she researched photosynthesis with Prof. Ken Sauer. After a postdoctoral fellowship at the Lawrence Berkeley National Laboratory, she became Professor of Chemistry at CSU East Bay in Hayward CA, where she continues currently as Professor Emerita. In 2008 she joined the staff at SSRL and leads the transmission X-ray microscopy program. She uses many synchrotron X-ray techniques to study nanoparticle uptake and transformation in plants, and chemical transformations in energy materials including batteries, fuel cells and catalysts.
Chemistry and Chocolate Ambassador Report for 2012

Public Outreach for ACS Santa Clara Valley Local Section:
Bring chocolate...and they will come

Howard and Sally Peters

In March and August of 2012, we had our usual posters, chocolate sampling, and chocolate raffle for the ACS Division of Chemistry and the Law (CHAL) at the ACS national meeting SCIMIX event in San Diego and Philadelphia.

In April, we were invited by Dr. Marinda Wu to talk "chocolate" at a Science Cafe event at the public library in Lafayette, CA.

In April and November, Howard was a speaker on chocolate at the SPLASH program at Stanford University. SPLASH is a volunteer program where grad students (and old alums, etc.) get to teach at a special weekend event in Stanford classrooms to local 7-12th grade students. Over 2,000 students showed up for that weekend event.

In July, Howard was the "comic relief" for talented junior and high school students at the COSMOS program at University of California, Santa Cruz campus. COSMOS supports about 800 talented CA students enjoy an immersion in science and technology for a month on a UC campus.

In September, Howard was the "comic relief" talking chocolate at the Santa Clara University Law Alumni weekend gala. Howard's contract law professor from over 40 years ago, Father Paul Goda, won the chocolate T-shirt giveaway.

In October, we were at the ACS Virginia Local Section in Bridgewater, Virginia talking about chocolate after a special committee meeting at ACS HQ in DC. http://veritas.bridgewater.edu/blog/2012/10/25/death-by-chocolate/

In November, Howard presented his fun talk on chocolate in western Pennsylvania to the ACS Erie, Penn-Ohio Border, and Western PA Local Sections on a self-assembled ACS Speakers tour.

If you are interested in seeing our fun chocolate talk, then visit http://tiny-url.org/chocolate for a recording by ACS national from August of 2009, when it was presented to about 300 undergraduates at the ACS annual meeting in Washington DC.

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CALL for NOMINATIONS
Shirley B. Radding Award

The Santa Clara Valley Section of the American Chemical Society (ACS) announces the call for nominations for the 2013 Shirley B. Radding Award.

First awarded in 1994 to its namesake, the Shirley B. Radding Award annually honors someone who has been a member of the ACS for at least 20 years. Nominees must have demonstrated dedicated, unselfish leadership, service and significant contributions over a sustained period of time to industrial, applied or academic chemistry and to the ACS through elected or appointed positions at local, district and national levels.

Award Criteria

• Member of the American Chemical Society for more than twenty (20) years.
• Demonstrated dedicated and unselfish service to ACS and its members over a sustained period of time.
• Provided leadership through elected and appointed ACS positions at local, district and national levels.
• Made significant contributions to industrial, applied or academic chemistry.

Previous Award Recipients

1994 Shirley B. Radding (deceased) 1995 Agnes Ann Green (deceased)
1996 John F. ”Jack” Riley (deceased) 1997 Howard M. Peters
1998 Alan C. Nixon (deceased) 1999 Valerie J. Kuck
2000 Halley A. Merrell 2001 Norman A. LeBel (deceased)
2002 Paul H. L. Walter 2003 Jean’ne M. Shreeve
2004 Maureen G. Chan 2005 Glenn Fuller (deceased)
2006 Janan M. Hayes 2007 Merle I. Eiss
2008 Dorothy J. Phillips 2009 Bryan Balazs
2010 Herbert B. Silber 2011 Carol A. Duane
2012 Bonnie Charpentier

The award consists of an honorarium of $1,000 and a suitably inscribed memento. Nominations must consist of at least one letter of nomination stating how the nominee’s work relates to all aspects of the award. It is strongly recommended that seconding letters accompany the nomination.

Nominations are due on or before May 1, 2013, and may be sent electronically to Radding-Award@sccvacs.org or be mailed to:
Radding Award Committee
Santa Clara Valley Section ACS
Post Office Box 395, Palo Alto, CA 94302-0395

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For more information on the ACS Santa Clara Valley Section, visit http://www.sccvacs.org
In Memory of M. Floyd Hobbs
1924-2013

The Santa Clara Valley Section is sad to announce the passing of one of our long-term members, M. Floyd Hobbs. He was 88. Floyd helped the section in a number of ways, and he was a tireless recruiter for candidates to serve on the Executive Committee.

Floyd was a major player in the recent revision of our by-laws, and actively served from the early years of our Section’s existence. During his time with the Section, Floyd chaired the Nominating Committee for many years, and he was Chair of the Section in both 1968 and 1989. Floyd also received the SCV-ACS Ottenberg Award in 1976.

Floyd was a truly good friend to many of us and will be sadly missed.

Call for Volunteers: Teach the Teachers Workshop
Saturday, March 16th, Resource Area for Teaching, Redwood City

The Santa Clara Valley Section’s popular workshop for teachers needs some volunteers to help prepare materials (prior to the workshop), and to help the day of the workshop (8 am set up, 3 pm clean up, and assist during the day). If you would like to be part of this great event, even for just a couple of hours, please contact Bonnie Charpentier at: b.charpentier@acs.org for more information.

CHEMPLOYMENT ABSTRACTS MARCH 2013
For a complete list of current abstracts, please visit: www.scvacs.org/Local_Folder/abstract.htm

CHEMPLOYMENT ABSTRACT 3982
Position Title: Associate Scientist, Small Molecule Analytical Chemistry
Job Description: This laboratory-based position focuses on analytical characterization, method development and GMP release of formulated drug product, drug substance, intermediates, starting materials and functional excipients to support clinical and pre-commercial CMC drug development. The Associate Scientist will be a key team member working within an analytical project group.
QUALIFICATIONS DESIRED:
Education: A PhD degree in a relevant scientific discipline and 0-3 years in the pharmaceutical industry are required.
Experience: For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using innovative science to develop breakthrough medicines that improve the lives of people with serious or life-threatening diseases.
LOCATION, SALARY, EMPLOYER:
Job Location: South San Francisco
Salary: DOE
Employer: For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using innovative science to develop breakthrough medicines that improve the lives of people with serious or life-threatening diseases. Application Instructions: Please visit our website at https://roche.taleo.net/careersection/10002/jobapply?lang=en&job=00408544&src=JB-11480 or submit your resume to mackenzie.perino@ckrinteractive.com

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The Santa Clara Valley Section of the American Chemical Society (SCVACS) is sponsoring an illustrated poem contest for students in Kindergarten - 12th grade. Winners of the Santa Clara Valley Section illustrated poem contest will advance to the ACS National Illustrated Poem Contest!

**Contest Deadline:** Friday March 22nd  
**Contact:** Jeanette Medina – medinaj@smccd.edu  
Mail poems and entry form (found at scvacs.org) to:  
Jeanette Medina  
Cañada College/ Science and Technology Division  
4200 Farm Hill Boulevard  
Redwood City, CA 94061
FUTURE MEETINGS

Mar 1-29  Chemistry Olympiad Local Exam
          Participating SCV High Schools

Mar 21   Santa Clara Valley Section Meeting
          Biltmore Hotel & Suites
          Santa Clara, CA

Mar 17-21 Pittcon
          Philadelphia, PA
          http://pittcon.org

Apr 1, 3 18th Annual John Stauffer Lectures
          Department of Chemistry
          Stanford University
          http://chemistry.stanford.edu/stauffer_lectures

Apr 7-11 145th National ACS Meeting
          New Orleans, LA
          www.acs.org/neworleans2013

Apr 9  DeNardo Lectureship
          Santa Clara University
          www.scu.edu/cas/enrichment/denardo/

Apr 13  Chemistry Olympiad National Exam
          Santa Clara University

Jul 13  Annual Family Picnic and
          Awards Ceremony
          Department of Chemistry
          Stanford University