

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

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JUNE 2010 NEWSLETTER TOPICS

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Annual Family Picnic and Awards Ceremony

July 10, 2010

Our next Section event will be our summer wine tasting, picnic and awards presentation on Saturday, July 10th.

Wine Tasting:

The wine tasting will feature wines from the Pelican Ranch Winery of Santa Cruz. Professor Phil Crews of the U.C. Santa Cruz Chemistry Department, owner of the winery, has planned the event. Unfortunately, he has a prior engagement and won't be with us in person, so his assistant wine maker, Brenda, will preside.

The tasting will be in two parts. The first tasting will be of Chardonnay wines grown in four different wine regions (appellations) and fermented, cellared

and bottled by the Pelican Ranch Winery.

The second part of the tasting will be with other white and red wines from the winery.

The afternoon will also include a catered picnic (which will include Chardonnay and Pinot Noir wines from Pelican Ranch) outside the Mudd chemistry building at Stanford, and ceremonies honoring our 50-, 60- and 65-year members and other award winners.

Dinner:

Armadillo Willy's will cater the picnic, as they did last year. The tentative menu will include: smoked barbecued chicken, beef brisket, BBQ beans, spicy

Continued on next page



RESERVATION FORM

Annual Family Picnic and Awards Ceremony

Stanford University – Saturday, July 10, 2010

Deadline for Reservations – Wednesday, July 7, 2010

Name(s): _____
Please list all names so we can make a name tag for every member of your family, including children.

Telephone No.: (_____) _____

No. of Reservations at \$16.00 x \$16.00 = \$ _____

No. of Children (age of 4-12) at \$5.00 x \$5.00 = \$ _____

Total Amount Enclosed \$ _____

Make check payable to: Santa Clara Valley Section – ACS

Send check and reservation form to: Karl Marhenke, 1710 Wilshire Drive, Aptos, CA 95003-2836

Please check if you can volunteer: I can help set-up I can help clean-up

Annual Picnic, continued from front page

coleslaw, corn bread muffins, green salad, wine, beer, soda, water and dessert.

Honored Longtime Members:

50-Year Members

Paul Barkan, Palo Alto
Dr. Don C. De Jongh, Palo Alto
Guy Vincent Ferry, Sunnyvale
Dr. Oleg Jardetzky, Palo Alto
Le Roy F. Johnson, Cupertino
Marius W. Kendall, San Jose
Richard M. Mandle, Palo Alto
David Vernon Myhre, Half Moon Bay
Dr. Robert H. Schwaar, Palo Alto
Michael Sullivan Story, Los Gatos
George Low Tong, Cupertino
Thomas H. Vanden Bosch, Redwood City
Dr. Mary Jane L. R. Wegener, San Jose
Herman H. Weyland, Morgan Hill

60-Year Members

George K. Abel Jr., Los Gatos
Dr. Donald E. Green, Sunnyvale
Dr. Robert F. Landel, Santa Cruz
Daniel Lazare, Palo Alto

Dr. Robert Hood Perry Jr., San Carlos
Dr. Robert J. Prochaska, Carmel Valley

65-Year Members

Thomas F. Anderson, Burlingame
Dr. Saul W. Chaikin, Cupertino
Dr. Marjorie W. Evans, Los Altos Hills
Robert C. Miller, Los Altos
Dr. Carol Mosher, Palo Alto
Phyllis Rokita, Palo Alto
Dr. Carlyle E. Shoemaker, San Jose
Dr. William L. Stanley, Carmel
Dr. Alejandro Zaffaroni, Palo Alto

Location:

The Stanford Chemistry Department.

Time:

4:00 p.m. Wine Tasting
5:30 p.m. Buffet BBQ Dinner
7:00 p.m. Award Ceremony

Directions

From Route 101 (Bayshore Freeway): Take University Avenue west through Palo Alto. It becomes Palm Drive on the Stanford Campus. Turn right on Roth Way and continue to the

Chemistry Department. Park in the parking structure on your right. Keck and Mudd chemistry buildings are across Roth Way from the parking structure.

From Route 280: Take the Sand Hill Road exit. Drive east and turn right on Stock Farm Road. Then turn left on Campus Drive West and right on Roth Way. Park in the parking structure immediately on your left. Keck and Mudd chemistry buildings are across Roth Way from the parking structure.

Reservations:

A reservation form for this event is on the front page. You can also get one from our website: www.scvacs.org/Local_Folder/din_mtg.html.

Remember, this is the one meeting where you have to send a payment with your reservation. The cost will be the same as it was last year: \$16 for adults, \$5 for kids 4-12, and kids under 4 free. Reservations and payments must be received by Wednesday, July 7th.

Chair's Message

The International Science and Engineering Fair was held in San Jose in mid-May. These high school students (1500 of them from 53 countries) are most amazing and it was an awesome experience for me to meet with some of them. The ACS provided \$10,000 in prizes to chemistry students.



We will have our annual picnic at Stanford on July 10. This is always an enjoyable social event. There will be a wine tasting, award presentations and recognition of our 50-, 60- and 65-year members. Watch for the announcement and the sign-up form for the picnic in the newsletter and on our meeting page (http://www.scvacs.org/Local_Folder/din_mtg.html).

Thanks to Karl Marhenke for his improvements to the Section's website.



ACS Webinars

ACS Webinars are weekly online events, free to ACS members. These events serve to connect members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business on relevant professional issues. Each Webinar is 60 minutes in length, comprised of a short presentation followed by Q&A with the speaker. The live Webinars are held on Thursdays from 11 a.m. to noon Pacific Time, and recordings of past Webinars are available online. View and register for upcoming events at http://boilthisdown.org/?page_id=385 or email acswebinars@acs.org.

Coming subjects for June and July (see the web page indicated above for further details about content and speakers):

June 3, 2010

Effective Technical Writing - Tips and Strategies Every Scientist Should Know
Speaker: Aline Harrison.

June 17, 2010

A Life of Innovation – Finding Your Passion
Speaker: David Walt

July 1, 2010

From Laboratory to Licensing: Protecting Your Intellectual Property Along the Way
Speaker: Tom Steinberg

July 8, 2010

Chemicals and the Economy Mid-Year Updates – Impact and Outlook for Executives and Scientists
Speaker: Paul Hodges

Outstanding High School Students

by Sally Peters

This is the 8th year that I have organized the Chemistry Olympiad for our section and I continue to be amazed at depth of knowledge our students have. All of the high schools in our section were invited to try out for the Olympiad, but only 18 schools decided to participate. On Saturday, April 24th, the top 17 students met with 17 students from the California section to take the national exams. These top scorers (only 2 per school) were chosen from among the scores of those 18 schools. The students must be U.S. citizens to continue in the program. That rule always eliminates some extraordinary students.

We met at Las Positas College in Livermore for 4 ½ hours of testing, eating pizza, and more testing! They began with 90 minutes of multiple choice questions, followed by 105 minutes of problem sets, then lunch and 90 minutes of 2 lab problems. Nationally, about 1000 students took the exams that weekend.

A special thanks to the host section and to Lois Durham and Howard Peters from our section for helping to proctor.

To test your wits against the students, follow this link to the tests:

http://portal.acs.org/portal/acs/corg/content?_nfpb=true&_pageLabel=PP_SUPERARTICLE&node_id=1508&use_sec=false&sec_url_var=region1&_uuid=12b0c98c-4c14-43eb-ae1-330c3db669df

Our finalists and their dedicated teachers are (drum roll please):

- Archbishop Mitty High School
William Parks and Brandon Tran
Teacher: Theresa Hannon
- Bellarmine College Prep
Imran Mahmood
Teacher: Patrick Talesfore
- Fremont High School
Kevin Chen and Victoria Lo
Teacher: Anita Wu
- Gunn High School
Audrey Ho and Rory Runser
Teacher: Heather Mellows
- Harker School
Josephine Chen and Michelle Deng
Teacher: Mala Raghavan
- Lynbrook High School
Tejas Navaratna and Troy Tsui
Teacher: Roy Rocklin

- Monta Vista High School
Zhaobin Cheng and Anthony Chen
Teacher: Kavita Gupta
- Palo Alto High School
Kevin Hu and Steven Lai
Teacher: Carolina Sylvestri
- Saratoga High School
David Zeng and Daryl Chang
Teacher: Kathy Nakamatsu

Additional schools that participated or had difficulty with the testing dates were:

- Cupertino High School
Larry DeMuth
- Homestead High School
Sam Fung
- Mercy High School, Burlingame
Pat Bradley
- Mills High School
Elana Segal
- Palma High School
John Chipley
- Prospect high School
Emilie Thomas-Anderson
- Piedmont Hills High School
Lope Macasaet
- Santa Catalina School
Jim Tuttle
- York School
Eric Fink



Students taking written test



Students working on lab part of test



Jenny Ellis



Alison Thurston, in charge of lab preparations at Las Positas College



Only piece of pizza left after lunch



Doctors Al Verstyff and Jenny Ellis of Chevron and Don McLean, Alternate Councillor and Past Chair of the California Section

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 -- the 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 June

Dr. David Albagli	Dr. Thomas Huot
Mrs. Krystal J. Anderson	Kenny K. Lee
Thomas F. Anderson	Mr. Michael McCarthy III
Mr. Toyli Anniyev	Frederic Menard
Dr. Sarah J. Brooks	Mr. Drew Meyer
Dr. Edith M. Bruckmann	Bogan Michael
Dr. John Bukry	David W. Miller
Thomas Cahill	John R. Miller
James Wayne Canary	Dr. Charles B. Musgrave
Georgette M. Castanedo	David Okawa
Dr. Antoine Y. Chamsi	James R. Renzas
Tsz Chung Chow	Otto Rose
Dr. Ellen M. Clark	Francisco A. Rosete
Laila Dafik	William Sinko
Nicholas DeLateur	Dr. Brian Phillip Smart
Andrew T. Demartini	Preeti Manohar Srinivasan
Ms. Katrina Jolene Donovan	Dr. James Su
Miss Maria del Carmen Duran	Christopher Sunderland
Aaron T. Fafarman	Dr. Burt Thomas
John Fisher	Dr. David M. Thompson
Dr. Anusree D. Ganguly	Eva Tseng
Lawrence J. Giles	Rose Yen
Mr. Kenneth Girouard	Dr. Jungjoo Yoon

Free Event Green Chemistry and Sustainable Studies

Green chemistry, the study of matter and how it changes, can greatly influence human health and the health of the environment. Find out how green chemistry can unleash your creativity in designing and discovering the next generation of chemicals and materials.

When: Saturday, August 21, 2010
10:30 am–12 pm

Where: UC Berkeley Extension,
1995 University Ave., Berkeley, CA

To reserve your space or for more information, please call (510) 642-4111; refer to EDP 414128.

RESEED

RESEED Silicon Valley is a group of scientists and engineers who use their technical knowledge and experience to support teachers, and work with children. For some, it offers the opportunity to leverage their efforts by training other scientists to do the same. Scientists in disciplines other than the physical sciences (e.g., in the life or earth sciences) also participate.

RESEED (Retirees Enhancing Science Education through Experiments and Demonstrations) has two main goals:

1. To provide regular science content support in the sciences to middle school teachers who often experience gaps between their preparation as teachers and the science knowledge they need in the classroom
2. To draw on the large reservoir of retired and other science and technology professionals who have valuable knowledge, experience, and time.

The ultimate benefactors of RESEED are students. It has been documented that the project's mature, well-trained scientists and engineers are helping guide students to learn science concepts and facts as well as the scientific habits of mind and ways of thinking. Also, real world relationships seem to become clearer to the students because of the deep appreciation for relevance that the project's retirees have acquired over the course of long careers. Students also tell evaluators that they are inspired to learn science by the presence of the RESEED volunteers.

Teachers say RESEED retirees help them become more prepared to teach science by being content resources and by modeling what scientists do and how they think. Surveys show that the teachers also feel inspired, develop more confidence as well as understanding, and appreciate the extra pair of skilled hands and highly schooled minds. RESEED volunteers find their work in the classrooms intellectually stimulating and emotionally rewarding. Roughly 75% return the following year. Of those who don't, about half are unable to do so because of other circumstances such as moving, health, other commitments, etc. The other half, unfortunately, find that they were not utilized properly or were poorly matched with a teacher. RESEED's volunteer coordinators work very hard to try to rectify such situations by having the retiree work with another teacher or at another school.

Many of the retirees have been recognized by their schools, their communities, and even by their town officials. Numerous articles have been written about them in the local and national press. Some retirees find a whole new life as a Science Resource Agent and spend a significant portion of each week building equipment and otherwise preparing for their day in school.

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RESEED, continued from previous page

RESEED volunteers are recruited from industry, academia, and professional organizations. They are typically trained for two to three full days and are then placed with teacher-partners in schools near their homes. Some of the most effective volunteers become leaders who train new members of RESEED. RESEED volunteers occasionally meet to discuss and share their experiences. There is also a significant amount of electronic communication among the volunteers for this purpose.

Teacher Recruitment is done with the help of local school districts. RESEED coordinators keep a running list of schools that request volunteers. Some corporations within a region may contribute a small amount of funds to RESEED to help defray the cost of training volunteers and operating the program.

RESEED Silicon Valley is part of a nationwide network of organizations that provide senior-scientist volunteers to help teach science in the elementary and middle school grades. For a list of these organizations, please click on the following link to the American Association for the Advancement of Science Senior Scientist page: <http://aaas.org/programs/education/SSE/activities/othervolunteer.shtml>.

RESEED Silicon Valley

Peter K. Mueller, Ph. D., RESEED Coordinator

3801 Magnolia Drive, Palo Alto, CA 94306-3232

Phone: (650) 856-1255 Email: Starlight@cooexample.com

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Highlights of the May 21st Dinner Meeting with Dr. Laura Smoliar

By Lois Durham



Sara Ostrowski and Natalie McClure



George Lechner and Jim Dinkey



Dr. Laura Smoliar



John Perumattam and Sally Peters



George Lechner and John Perumattam

Photos from the April 15th Dinner Meeting with Dr. Steven Boyer

By Lois Durham



Chuck Wade and Joseph Castellano



Bruce Raby, Lee Latimer and David Parker



Dr Steven Boyer



Martin Lieberman and Jane Frommer



Howard Peters and Mark Kent



Ming Sky Li, Stephanie Gehling and Steve Bachmann



Karl and Randa Marhenke



Chuck Wade and Jim McClure

continued on next page



Mark Kent and Herb Silber



Steven Boyer



Steven Boyer



Larry Hennessey and Abby Kennedy

CHEMPLOYMENT ABSTRACTS JUNE 2010

CHEMPLOYMENT ABSTRACT 3950

Position Title: Manager - Analytical Chemistry

Job Description: The Manager - Analytical Chemistry will provide technical expertise and leadership to an analytical chemistry function supporting nonclinical safety studies conducted under Good Laboratory Practice regulations. The Manager will collaborate closely with other nonclinical development team members including formulation development, dose preparation, toxicology, pharmacokinetics, project management, and quality assurance.

QUALIFICATIONS DESIRED:

Education: MS or PhD

Experience: MS (>8 years) or PhD (>5 years) in chemistry or equivalent with coursework in Analytical Chemistry. Minimum 3 years experience with GLP and/or cGMP regulations including familiarity with regulatory requirements for analytical laboratory operations. Minimum 3 years supervisory experience and proven proficiency in planning, communicating, and coaching a team. Excellent oral and written communication and interpersonal skills and ability to work in fast-paced team environment.

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: Menlo Park, CA 94025

Salary: DOE

Employer: SRI International is a leader in the development of new products for the treatment and diagnosis of disease, primarily in the areas of cancer, infectious disease, neuroscience, and immunology. SRI's Biosciences Division works in several ways, conducting basic research like an academic institution, performing drug discovery and biologic development like a biotechnology company, and carrying out preclinical development and pharmaceutical services like a contract research organization - from "Idea to IND" (tm).

Application Instructions: For complete description and to apply via our web page www.sri.com/jobs to job number 100559.

SRI is an equal opportunity employer. www.sri.com

CHEMPLOYMENT ABSTRACT 3951

Position Title: Senior Research Associate

Job Description: SRI International is looking for a Senior Research Associate - Analytical Chemistry to support R&D and cGMP. The Research Associate will be asked to provide analysis of bulk chemicals, active pharmaceutical ingredients, test articles, raw materials, formulations and final drug products; develop and perform HPLC methods; routinely use FT-IR, Karl Fischer, Dissolution Apparatus. The Research Associate will also be asked to provide calibration and maintenance of laboratory equipment; draft or revise SOPs; review GMP data packages; write protocols and reports.

QUALIFICATIONS DESIRED:

Education: BS/MS in chemistry or related discipline.

Experience: 8-10 years experience in pharmaceutical analysis; Experience with GC, NMR and LC/MS a plus. Experience in a cGMP environment is required.

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: Menlo Park, CA

Salary: DOE

Employer: SRI International is a leader in the development of new products for the treatment and diagnosis of disease, primarily in the areas of cancer, infectious disease, neuroscience, and immunology. SRI's Biosciences Division works in several ways, conducting basic research like an academic institution, performing drug discovery and biologic development like a biotechnology company, and carrying out preclinical development and pharmaceutical services like a contract research organization - from "Idea to IND" (tm).

Application Instructions: Apply via our web page www.sri.com/jobs to job number 100591. SRI is an equal opportunity employer. www.sri.com

For additional abstracts, visit: www.scvacs.org/Local_Folder/abstract.htm



SANTA CLARA VALLEY SECTION
AMERICAN CHEMICAL SOCIETY
P.O. Box 395, Palo Alto, CA 94302

Visit our web site at:



<http://www.scvacs.org>

To receive an email when our newsletter
is published on our web site, sign up at:
<http://www.scvacs.org/newsletter/>

SANTA CLARA VALLEY SECTION

2010 Section Officers

Chair	Bruce Raby	408-294-6718	alanice811@att.net
Chair-Elect	Abby Kennedy	209-640-2005	akennedy@exelixis.com
Past Chair	Natalie McClure	650-906-7831	nmcclore@drugregulatoryaffairs.com
Secretary	Karl Marhenke	831-688-4959	karlmar@armory.com
Treasurer	Ihab Darwish	650-594-1654	darwishis@yahoo.com

Councilors

2008-2010	George Lechner	408-226-7262	glechner@aol.com
2008-2010	Herb Silber	408-924-4954	hbsilber@science.sjsu.edu
2009-2011	Abby Kennedy	209-640-2005	akennedy@exelixis.com
2009-2011	Howard Peters	650-854-4614	peters4pa@sbcglobal.net
2009-2011	Ean Warren	650-329-4554	ewarren@scvacs.org
2010-2012	Linda Brunauer	408-554-6947	lbrunauer@scu.edu
2010-2012	Sally Peters	650-812-4994	Sally.Peters@parc.com
2010-2012	Peter Rusch	650-961-8120	pfrusch@aol.com

Alternate Councilors

2008-2010	Mark Kent	408-736-0989	markkent@yahoo.com
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2010-2012	Lois Durham	650-322-3507	ldurham9398@sbcglobal.net
2010-2012	Natalie McClure	650-906-7831	nmcclore@drugregulatoryaffairs.com
2010-2012	Stephanie Gehling	408-429-9681	s_ghling@hotmail.com
2010	Harry Ungar	831-708-2049	haungar@cruzio.com

Newsletter

Editor	Stephanie Gehling	408-429-9681	s_ghling@hotmail.com
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ChemPloyment Abstracts

Director	Charles Sullivan	650-728-7034	cdansullivan@sbcglobal.net
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FUTURE MEETINGS

- Jun 12** California Section Meeting
Sattui Winery, St. Helena, CA
http://calvaryslz.org/calacs/?page_id=348
- Jun 21-23** 14th Annual Green Chemistry
Conference
Washington, DC
<http://acswebcontent.acs.org/gcandc>
- Jul 10** Annual Family Picnic and Awards
Ceremony
Stanford Chemistry Department
Stanford, CA
- Jul 13-15** SemiconWest 2010
San Francisco, CA
www.semiconwest.org/index.htm
- Jul 21** BioScience Forum
Paul Hastings
CEO OncoMed Pharmaceuticals
www.biosf.org/programs.htm
- Aug 22-26** Fall 2010 National Meeting
Boston, MA