

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 36 No. 3

MARCH 2014 NEWSLETTER TOPICS

- Last Chance to Judge at Local Science Fairs in 2014
- Chair's Message
- New Members for January
- Volunteers Needed for the 2014 Chemistry Olympiad
- Chemistry Ambassadors
- ChemPloyment Abstracts

Connect with Chemists

Meet fellow, local chemists for an early morning coffee. Look for Ean at a table with an ACS card Monday, March 24th at 7 a.m. Specialty's Café and Bakery 701 Gateway Boulevard South San Francisco

Last Chance to Judge at Local Science Fairs in 2014

by Susan Oldham-Fritts

The last four local science fairs of 2014 will be held this month. While all of these fairs need category judges, we especially need members for our SCV-ACS special awards team to judge the 100 plus chemistry projects at the Synopsys Championship. Please contact me at sofritts@garlic.com if you can join our team on March 12, 10 a.m.-4 p.m, at the McEnergy Convention Center, San Jose.

Category judges in chemistry, botany, biology, biochemistry, chemistry, microbiology, and the behavioral/social sciences are needed at the following fairs. (So ask professionals you know in these fields to join us and judge, too.)

Santa Cruz Science Fair

Date: March 8, 2014

www.science.santacruz.k12.ca.us

Synopsys Championship (aka Santa Clara Valley Science and Engineering Fair)

Date: March 12, 2014

www.outreach-foundation.org/judges.html

Monterey County Science and Engineering Fair

Date: March 15, 2014

www.montereycountysciencefair.com/

San Francisco Bay Area Science Fair

Date: March 26, 2014

www.sfbasf.org/

The interaction between the students and judges is the heart of each and every science fair. The encouragement, critiquing, and interest we as judges share with the students benefit all of the participants. So, no matter which fair includes your home town, now is your last chance to volunteer!

Chair's Message

Ean Warren



Many chemists are familiar with the ACS National Meetings. Held twice a year from Sunday to Thursday, these meetings bring together thousands of chemists to hear talks, see posters, and discuss chemistry. In addition, there are social events, governance meetings, and other special events each evening as well as during lunch. I remember the first meeting I went to: the spring 2000 meeting in San Francisco. I was in awe of the activities that surrounded the event. As Chair of the local section at the time, I was invited to the National Awards Banquet Ceremony. The black-tie ceremony took place on the Tuesday evening of the meeting and culminated with a presentation by Darleane Hoffman, the Priestly Medal awardee. Darleane's talk was exceptional and revealed

to me a field of chemistry I was not familiar with before. In addition to the banquet, that San Francisco meeting was filled with chemistry presentations, the expo, and governance activities. I wandered the meeting going from one event to another in wonder.

The number of registrants for the meeting in 2000 was about 12,000 people. Nowadays, ACS expects 18,000 people for meetings in San Francisco. The increase in registrants has enabled us to expand the offerings. For the Dallas meeting, you can still go to the Awards Banquet Ceremony, but there are also more technical presentations; more breakfast, lunch and dinner events; more awards ceremonies; more career assistance workshops; and more technical workshops. ACS has introduced

the Kalvi Foundation Lecture Series as well as plenary sessions. If you are going to the Dallas meeting, check out any or all of these events. You won't be disappointed! If you are not going to Dallas, the fall National Meeting will be in San Francisco in August (<http://www.acs.org/content/acs/en/meetings/fall-2014.html>). This meeting would be perfect to see the many different activities surrounding an ACS National Meeting.

Connect with Chemists had an excellent start. By the time you read this message, we will have had three gatherings. If you want to meet other chemists to chat over coffee or tea and a pastry, our next Connect with Chemists will be on Monday, March 24 at 7 a.m. at Specialty's Café and Bakery at 701 Gateway Boulevard, South San Francisco. Look for me there – I'll have an ACS tent card and a molecule in front of me.



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 seminar 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 seminar 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

Jonathon Allen
Michal Bajdich
Michelle Butler
Dr. Diane Carrera
Brian Chau
Professor Reinhold Dauskardt
Dr. Kumar Emayan
Ally Huang
Dr. Takehisa Ishimaru
Robert Ralph Kerr
Peter S. Kim
Dr. Tadanori Kurosawa
Mauro Lapelosa
Dr. Chenghong Lei
Dr. Paul C. Lessard
Dr. Zhe Li
Graham Magill
Amir Shakouri Mansouri
Sophie Miller
Tita Mills
Joseph Montoya
Noe P. Navarro
Robert Nolles
Maxim Prigozhin
Ryan Quiroz
Ahalya Ramanathan
Angel L. Ramos
Christina J. Schmidt
Ian Shieh
Dr. Dipti V. Shingnapurkar
Stephen Stewart
Grace Yow-Zhong Tang
Jacob Tannenbaum
Jonathan C. Tripp
Hannah Truong
Elisia Villemure
Zachary wang
Thomas James Wilson
Dr. Anna M. Wise
Dr. Ernest Warren Yankee
Rose Yen
Brett Yurash
Yizhou Zhou
Zhongwei Zhu

Volunteers Needed for the 2014 Chemistry Olympiad

The 46th International Chemistry Olympiad will be held in Hanoi, Vietnam, July 20-29. Some of the world's most talented high school chemistry students will be attending from about 70 countries. The U.S. will send a team of four outstanding students, who will be selected from a pool of 20 finalists from across the United States. If you remember, last year Stephen Ting from our section, admirably represented the U.S. in Moscow, where he won a silver medal.

The selection of the 20 finalists begins in the local sections. Chemistry students from the Santa Clara Valley will participate by taking a standardized ACS written exam to determine their placement. The first round of testing is conducted in the local high schools in March. The local section invites and encourages the high schools to participate and provides the testing materials.

Our top 17 students will meet on April 26th to compete in the national exams. That same weekend over 1000 students across the country will take the same written and lab exercises to determine the top 20 finalists. This year, our students will join the students from the California section for a day of testing at Las Positas College in Livermore. The CA section will host the event and provide snacks and lunch, as well as, classrooms and lab space.

Those exams are sent to national ACS for grading. The top 20 students, chosen from the 1,000 participants, will then attend a weeklong study camp at the Air Force Academy in Colorado in June. The top four will then represent the U.S. in Hanoi in July.

Would you like to help with the process? Encourage your local high school chemistry teachers to have their advance placement or honors students participate in the testing process. There are over 100 high schools in the valley and only about 24 schools compete. In January each school's science department is contacted by letter and invited to compete.

Local section members are needed to register the students and proctor the exams on April 26th at Las Positas College. This is an excellent opportunity to volunteer and encourage these students to think about careers in chemistry. (By the way -- Stephen Ting is majoring in Chemistry this year at Stanford!) It is also an especially good chance for members who live in the East Bay to volunteer! Lunch is even provided!

Also, if someone has access to a good color printer or scanner/printer, they could help by customizing the ACS student certificates that each participant receives before the end of the school year. There are usually about 150 certificates that need to be customized.

So here are some opportunities to help your local section with the 2014 International Chemistry Olympiad -- encourage the teachers to participate (maybe even offer to help in the classroom or to grade exams!), volunteer to be a proctor, or help print certificates. If you need more information, please contact me.

Sally Peters

Chair of the Chemistry Olympiad Committee
Santa Clara Valley Section of the ACS
sallybrownpeters@gmail.com
650-854-4614



Chemistry Ambassadors

Do you want to be a compelling spokesperson for your profession? By becoming a Chemistry Ambassador, you can help educate people about the importance of chemists and chemistry, while taking part in community activities that are engaging and fulfilling for you. Chemists can inspire future generations by speaking simply about their jobs. You might play a role in public relations and media outreach by contributing accurate portrayals of chemistry to different types of media outlets. Communicate with lawmakers at the local, state, and federal level to emphasize the tangible benefits from continued support of science.

The suggestions and tools in the Chemistry Ambassadors program are designed for individuals on their own schedules. Each month, there are new materials to

help share the message about the importance of science. The YouTube video series Reactions presents examples of chemistry in everyday life. In February, the ACS and the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) presented Five Black Chemists Who Changed the World, featuring the contributions of Percy Julian, Mae Jemison and three other notable African American chemists. Toolkits on sustainable water, food, and energy highlight the role of chemistry in addressing fundamental challenges faced by our society.

Chemists and non-chemists may also be interested in the 2014 Flame Challenge, which dares scientists to

answer a fundamental question about the world around us in a way that an 11-year-old can understand and appreciate. This year's question is, "What is color?" The Flame Challenge is a contest conjured up by actor Alan Alda and his friends at the Alan Alda Center for Communicating Science at Stony Brook University in New York. It is sponsored by the American Chemical Society and the American Association for the Advancement of Science. Learn more about these and other tools for promoting chemistry at www.acs.org/content/acs/en/volunteer/chemambassadors.html



DELSEN Testing Laboratories, Inc. SPECIALISTS IN TESTING ADVANCED COMPOSITES

- Mechanical Testing
- Thermal Analysis
- Thermal Cycling
- Electrical Properties
- Metallography
- Flammability, Smoke Toxicity and OSU Heat Release

1024 Grand Central Avenue • Glendale, CA 91201
Internet: www.delsen.com • Fax: (818) 247-4537

ACI ACCREDITED 888-433-5736 MEMBER ACIL

CHEMPLOYMENT ABSTRACTS MARCH 2014

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

CHEMPLOYMENT ABSTRACT 3987

Position Title: Scientist II, Medicinal Chemistry

Job Description: 1. Have responsibility for the optimization of chemical leads through the utilization of SAR, structure-based design for potency, selectivity and pharmacokinetic profile; 2. Support the development of clinical candidates through designing synthetic routes, synthesizing impurities, major metabolites and degradants.

QUALIFICATIONS DESIRED:

Education: PhD in organic, medicinal or pharmaceutical chemistry with a minimum of 3-5 years of relevant industry work experience

Experience: 1. Strong command of synthetic organic chemistry laboratory skills; 2. Demonstrated excellence in applying medicinal chemistry to address selectivity, PK/ADME and toxicology issues; 3. Strong analytical skills employing characterization and purification techniques, i.e. normal phase chromatography and reverse phase HPLC.

LOCATION, SALARY, EMPLOYER:

Job Location: South San Francisco, CA

Salary: DOE

Employer Description: Portola Pharmaceuticals completed an IPO in May 2013 and has nearly 75 employees. Our goal is to build a biopharmaceutical company with compounds that advance the care of patients in the areas of thrombosis and other hematologic disorders and inflammation

Application Instructions: Please submit a cover letter that highlights your qualifications and matches our requirements along with your resume to careers@portola.com



The Santa Clara Valley Section of the American Chemical Society is the copyright owner of all material published in The Silicon Valley Chemist. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without advance permission in writing from the editor, particularly for commercial purposes. Authorization to photocopy items for limited internal or personal use, or the limited internal or personal use of specific clients, is granted by the Executive Committee of the Santa Clara Valley Section of the American Chemical Society.



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

2014 Section Officers

Chair	Ean Warren	650-329-4554	ewarren@scvacs.org
Chair Elect	Ashley Pickarski	408-855-5269	ashley@scvacs.org
Past Chair	Peter Rusch	650-961-8120	pfrusch@aol.com
Secretary	Karl Marhenke	831-688-4959	karlmar@armory.com
Treasurer	Ihab Darwish	650-594-1654	darwishis@yahoo.com

Councilors

2012-2014	Abby Kennedy	209-640-2005	akennedycali2007@yahoo.com
2012-2014	Ean Warren	650-329-4554	ewarren@scvacs.org
2013-2015	Linda Brunauer	408-554-6947	lbrunauer@scu.edu
2013-2015	Sally Peters	650-812-4994	sallybrownpeters@gmail.com
2013-2015	Peter Rusch	650-961-8120	pfrusch@aol.com
2014-2016	George Lechner	408-226-7262	glechner@aol.com
2014-2016	Herb Silber	408-924-4954	hbsilber@science.sjsu.edu

Alternate Councilors

2012-2014	Lisa Milstein	510-624-4019	lisa.milstein@balazs.com
2012-2014	David Parker	408-615-4961	drdrparker@comcast.net
2013-2015	Stephanie Bachmann	408-429-9681	s_gehling@hotmail.com
2013-2015	Lois Durham	650-322-3507	ldurham9398@sbcglobal.net
2013-2015	Natalie McClure	650-906-7831	nmclure@drugregulatoryaffairs.com
2014-2016	Mark Kent	408-736-0989	markkent@yahoo.com
2014-2016	Carmen Velez	787-461-4480	velezcarmen@smccd.edu

Newsletter

Editor	Kevin Greenman	650-210-2900	kevin.greenman@gmail.com
Associate Editor	Partha P. Bera		partha.pb@gmail.com

ChemPloyment Abstracts

Director:	Liang Cao	liang.cao@aol.com
-----------	-----------	-------------------

FUTURE MEETINGS

- Mar 13-14** UC Davis Miller Symposium
<http://chemistry.ucdavis.edu/miller>
- Mar 14** Explore the Exploratorium
Free of Charge on Pi Day
www.bayareascience.org/calendar/index.php?eID=10057
- Mar 16-20** ACS Spring National Meeting
Dallas, TX
- Mar 27** Connect with Chemists
Specialty's Café and Bakery
South San Francisco
- Apr 1** Department of Chemistry Seminars
San Jose State University
www.sjsu.edu/chemistry/Seminars/index.html
- Apr 17** Movie Night: "Supercar: Building
the Car of the Future"
Time and Location TBD
- Apr 26** 2014 Chemistry Olympiad
Local Section Exam
Las Positas College, Livermore, CA
- May 19-21** John Stauffer Lectures at Stanford
University
https://chemistry.stanford.edu/stauffer_lectures
- Jun 23-27** National Organic Chemistry Symposium
Seattle, WA
www.organicdivision.org/ama/orig/NOS/index.html