

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 25 No. 5

Annual Family Picnic, Awards Ceremony and Wine Tasting

The Santa Clara Valley Section will hold its annual Family Picnic, Awards Ceremony, and Wine Tasting on Saturday, July 12, 2003 at the Keck Chemistry Building on the Stanford Campus. We will taste and compare wines from the warm, inland Livermore Valley and the cool, coastal Santa Lucia Highlands. The Fenestra Winemaker, Dr. Lanny Replogle will answer your questions and guide you through the differences of the wines.

The tasting will begin at 4:30 PM in the foyer of the Keck building. A family style picnic, catered by Austin's Restaurant of Mountain View, will begin at 5:30 PM on the patio of the nearby Mudd Building. Recognition of the ACS 50-year members and the Awards for the Santa Clara Valley Section will follow dinner.

The price of the dinner and tasting will be \$16.00. Children ages 4 to 12 are only \$5.00. Dinner is free for children under the age of four. The deadline for the reservations is Monday, July 7th, 2003. Payment is required in advance, as we are not allowed to accept money on campus. Registration on our web site is not available for this informal, relaxed event. There is a large grassy area next to the Mudd Building where children can play. Bring blankets for eating picnic style. If you require more proper seating, please indicate this on your reservation form and we will arrange for some tables and chairs. Also, we need a crew of volunteers to help set up and clean up for this event. If you can help, please note this on the registration form.

May Dinner Reminder

On May 22nd, Dr. Carolyn Bertozzi will be lecturing on her research of the "Chemical Approaches to Studying Glycosylation". This pathway is pertinent to cancer, inflammations, and bacterial infections. A three-course dinner of either mild Szechuan Beef Stir-Fry or Polenta Stuffed Bell Peppers, will be served. Visit our website (www.scvacs.org) or contact Shirley Radding (408-246-2564, 408-296-8625 FAX) for more information or to sign-up, by May 19th.

RESERVATION FORM

Annual Wine Tasting, Family Picnic and Awards Ceremony

Stanford University – Saturday, July 12, 2003 Deadline for Reservation – Monday, July 7, 2003

Name(s): _____ Telephone No.: (_____) _____

No. of Reservations at \$16.00 _____

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

Total Amount Enclosed \$ _____

Make check payable to: Santa Clara Valley Section – ACS

Mail check and reservation form to: Ms. Shirley Radding, 2994 Cottonwood Court, Santa Clara, CA 95051

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

Fenestra Winery of Livermore Valley

Biography and Abstract

The Replogle family on the historic Ruby Hill property established the Fenestra Winery in 1976. Then in 1980, the winery occupied the centu-

ry old George True Winery building on Vallecitos Road. The old building had been badly neglected, and the Replogles installed a new roof and strengthened the building. Now, as part of the Ruby Hill development, the Replogle's lease the newly refurbished building and surrounding grounds, which are nearly surrounded

by 500 acres of vineyards from the Ruby Hill development. The winery specializes in classically balanced award-winning wines from primarily Livermore Valley grapes but also makes Cabernet Sauvignon and Merlot from the Santa Lucia Highlands, which is on the west side of the Salinas valley.

Chair's Message

Your ACS-SCV Councilors were busy at the Spring 2003 ACS National Meeting attending a variety of committee meetings, including the ACS Council Meeting. One critical issue that was discussed at this meeting is the proposed new allocation of funds to Local Sections and Divisions. Currently, Local Sections receive 10% of membership dues and Divisions receive 3%. By 2007 and if this proposal passes, Local Sections would receive 11% and Divisions would receive 9%.

Although this proposed by-law modification on how funds are distributed to Divisions and Local Sections passed by greater than two-thirds vote, the ACS-SCV Executive Committee is opposed to this change for the following reasons:

- Local Sections provide many services at all levels for individual chemists, chemical engineers, and the surrounding community. They should receive proportionally larger funding than Divisions, given the scope of their services.
- There are no "outside" checks and balances that oversee the new distribution and use of these funds.
- You will pay a mandatory "temporary assessment" that will be embedded in your yearly dues. In 2004, it will be \$2, increasing to \$4 in 2005, \$6 in 2006, and \$8 in 2007. It is unclear what will happen after 2007.
- This temporary assessment will not cover the full cost of implementing this proposed increase. By 2007, there will be about \$1,000,000 shortfall that will have been met by cutting other ACS programs.

This funding proposal requires a change in ACS by-laws and ACS members must vote on it in a special election. You may have already received your ballot by now. We urge you to vote "no".

Glowstick Update: About 100 more glowsticks were distributed to schools this last month. The activity has been successfully adapted for the pre-K level on up. In fact, Dr. Nur Zaveri conducted this activity with her daughter's first grade class in April. Three teachers and I conducted it with 24 pre-K students who were amazed by the color light that they could touch! It was their first visit to their school's science laboratory, typically used by the middle school students. The activity is now posted on the ACS-SCV web site. If you are interested in conducting this activity at an area school, please contact me for the free glow sticks.

Other news:

- Also at the New Orleans Meeting, Quentin Baca, a Stanford chemistry undergraduate, was the first recipient of the Slayton Evans Memorial Scholarship Fund. For further information on Quentin's achievements, please read the corresponding article in this newsletter.
- As of May 1, my new e-mail address is chair@scvac.org.
- I hope to see you at Dr. Bertozzi's dinner seminar on May 22!

The winemaker is Dr. Lanny Replogle, Ph.D., who is now Professor Emeritus of Organic Chemistry of San Jose State University: "My aim is to produce flavorful, well-balanced wines with a lot of varietal character. Of the whites, I particularly enjoy making Semillon, and a dry table wine blend of Semillon Chardonnay (Semonnay). I make a lot of red wines, from True Red (a blend) to full bodied intense Cabernets, and like the challenge of making each varietal, each year, as an individual wine."

This year's tasting, which will be led by Dr. Replogle, will be highlighted by a comparison tasting of Cabernet Sauvignon and Merlot wines made from two distinctly different climatic grape growing regions. Grapes were grown in the Santa Lucia Highlands, which is a cool region but very satisfactory for growing both of the Bordeaux varietal grapes, and the Livermore Valley, which is a warmer region. The grapes were crushed and fermented at the Fenestra Winery. You and your taste buds will be surprised!

6,500 cases of wine are produced yearly. The wines produced by Fenestra are: Semillon, Semonnay, Pinot Gris, Chardonnay, True Red, Zinfandel, Merlot, Cabernet Franc, Cabernet Sauvignon, Sangiovese, Petite Sirah, Port, Syrah, and Mourvedre.



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Councilor's Report

ACS National Meeting March 2003

New Orleans

The spring ACS national meeting was well attended despite travel concerns, with an attendance of 14,576 and some 8,700 papers in a wide variety of chemical disciplines. As one of your Councilors, I participated in a number of meetings and events, including service on the Council Policy Committee (CPC) and as chair of the CPC Subcommittee on Nominations. CPC met in subcommittees on Monday, and in the full committee on Tuesday to review and approve presentations to Council, discuss ways to improve Council communication, and discuss several items of interest to Council, including the report of the ad hoc Task Force on Ethics, and the controversial Petition for Division and Local Section Funding (discussed elsewhere in this newsletter). CPC also met with the Board of Directors to discuss the search for a new ACS Executive Director to succeed Dr. John Crum, who retires at the end of this year. If you have suggestions for ACS Executive Director candidates, please forward them to me.

The tough economic times were reflected in the financial report of the Society. ACS ended 2002 with a net deficit of \$789,000, with Operations and Board Appropriations producing a net deficit of \$1.5 million, and the Member Insurance Program producing a net contribution of \$729,000. Strong performance by the Chemical Abstracts Service and cost reductions in staffing and travel offset the decline in advertising revenue and investment income. Overall, the Society's unrestricted net assets fell from \$192 million at the end of 2001 to \$136 million at the end of 2002. At the National Employment Clearing House, 96 employers posted 646 positions; as of Tuesday morning, 1717 interviews were scheduled for 1151 job seekers. The Department of Career Services put on an excellent lineup of career development workshops as well as resume reviews and mock interviews.

Some highlights from the Council meeting:

- From four nominees, Council chose William F. Carroll, Jr., and Michael E. Strem as candidates for President-elect. Candidate information will be made available on chemistry.org. Please review the candidate statements and vote in the fall election.
- The following candidates will be running for Director-at-Large: Dennis Chamot, Nancy B. Jackson, Peter C. Jurs, and James P. Shoffner.
- The Petition for Division and Local Section Funding passed by voice vote at Council. Because implementation of the petition provisions will require amendments to the ACS Constitution, the petition requires ratification by two-thirds of the members of the Society voting on the amendments to become effective.

You will receive ballot materials in a special election. Please review the materials carefully; your Councilors will be happy to hear your views and discuss the petition with you.

- Dues for 2004 will be \$120.
- National Chemistry Week will be held October 19-25 with a theme of "Earth's Atmosphere and Beyond". Get involved!

The fall National Meeting will be held in New York, September 7-11, 2003. Among the programs offered will be a lunch box forum on national security vs. scientific openness, and a symposium on the chemistry of global climate change.

If you have any suggestions or concerns regarding ACS as a whole, or for your local section, please don't hesitate to contact me or any of the other Councilors. We'd love to hear from you and have you involved with section programs.

Bonnie Charpentier

Local Section Activities Committee Report

Sally Peters, Councilor

Since 1999, National ACS has honored the efforts of volunteer members by hosting a gala ChemLuminary Awards event at the fall national meeting. The awards recognize participants in ACS Local Sections or Divisions whose efforts have helped to achieve excellence. Below are the nominations for the Local Sections.

2003 LSAC Chemluminary Nominations

Stimulating Membership Involvement:

North Jersey Mass Spec. Discussion Group	5
Washington	2
St. Louis	2
Midland	3
Peoria	4
Maryland	2
California	4
Central North Carolina	2
Inland Northwest	5

Most Innovative Use of Technology:

New York	1	Maryland	2
St. Louis	3	Cincinnati	3
Rochester	4	Western Michigan	4

Most Innovative New Activity or Program in a Local Section:

Delaware	5	Colorado	2
Maryland	2	St. Louis	3
Pittsburgh	4	Portland	3
Nashville	3	Dayton	2
Kanawha Valley	3	Illinois-Iowa	2
Indiana-Kentucky Border	3	Southwest Georgia	5

More Footnotes from Stanford

Remembrances from the Funny Farm

8. The old Stanford Library had many books stamped purchased from Mrs. Leland Stanford's Jewel Fund, which was not a trivial amount. Mrs. Stanford, in the polite society of the time, was affectionately known as "The Queen of Diamonds".
9. The Stanford gift to American education was vast – the largest of its time – 8,000+ acres of land that could not be sold away and eventually \$20+ million more. There is an urban legend that Herbert Hoover hit up a older bearded man attending an early Big Game in San Francisco for the price of admission – Pittsburgh steel magnate Andrew Carnegie. Carnegie was reported to have been influenced by the Stanford's mission with his later philanthropies and in the founding of Carnegie Institute of Technology (now, Carnegie-Mellon University) in Pittsburgh, Pennsylvania.
10. The Stanford fortune was so vast that Stanford did not have any tuition until 1920 – that is – \$0 over 30 years? Now, tuition is \$27,204 (+ room and board = \$35,884/year for an undergraduate). (As a side-note, when I was a graduate student there 40 years ago, my tuition, room and board, averaged about \$4,000 a year – what an amazing change! And I had teaching or research assistantships that covered it all.) Do you think that part of the Stanford alumni loyalty stems from the educational opportunities afforded local students over 100 years ago when they got a fine education they could not have received otherwise?
11. There is an urban legend about how the old sandstone Stanford Chemistry Building, happened to be the first structure that was built a distance away from the Quad. President Jordan had tried to convince Mrs. Stanford to move the Chemistry Department out of the Main Quad – to no avail. One day, the labs with all windows

open were using thiourea to generate hydrogen sulfide in old standard Inorganic Qualitative Analysis. The rotten eggs smell was overpowering! Mrs. Stanford passed by and then went straight to President Jordan's office. Through her handkerchief she said to President Jordan, "Move the chemists – out – now!" – pointing her ever-present umbrella toward Palm Drive.

12. The old Stanford Chemistry building survived the 1906 quake with minor damage. During my years there (from 1962-66), there was at least one graduate student and his family living in the attic. Living expenses were high and no one seemed to mind. In 1988, the building was deemed earthquake – unsafe and was closed. My late thesis advisor, Dr. Harry Mosher, argued that, "we always make a big deal about opening a building,

so let's celebrate closing a building." The day that the building was closed, 600 Stanford Chemistry graduates were invited to the party. The building is still vacant and surrounded by fencing.

13. The late Stanford Biochemistry professor, Dr. Hubert Loring, was credited with first crystallizing the polio virus. It was the basis of much of the later work of Dr. Jonas Salk at the University of Pittsburgh in creating the Salk polio vaccine in the 1950s.
14. Every person in the local area and the world has received benefit of the manner in which the University has handled its resources over the years. From the early work on the polio virus, the Varian brothers on campus, the creation of Hewlett-Packard, the first successful gene splicing that sparked the biotech revolution, Cisco Systems on campus, Yahoo, Netscape, and the list goes on.

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Sciencepalooza

On March 1, 2003, the Synopsis Outreach Foundation held its annual Sciencepalooza at the Eastridge Shopping Center in San Jose. Local Section Members Drs. Bruce Raby and Howard Peters were among the 100+ volunteer science fair judges. More judges and volunteers were needed – as usual.

Over 1,600 student projects were set up inside the Mall for judging during the morning. San Jose Mayor



Sciencepalooza Awards Ceremony

Ron Gonzales passed out awards about noon and the projects were on exhibit for public viewing until closing. Sciencepalooza is primarily an outreach program for the San Jose Eastside Union High School District students who have not exhibited science projects before – to help overcome their fear of science. The best of these projects continued on to the mainstream local Synopsis Championship Science Fair held at the San Jose Convention Center on March 13, 2003. Some winners of the Challenge will go on to the Intel International Science and Engineering Fair to be held May 13-14, 2003 in Cleveland, Ohio.

For more information on this science program, search the Internet for “Sciencepalooza”, “Synopsis Science Outreach Foundation”, and “INTEL International Science and Engineering Fair”.

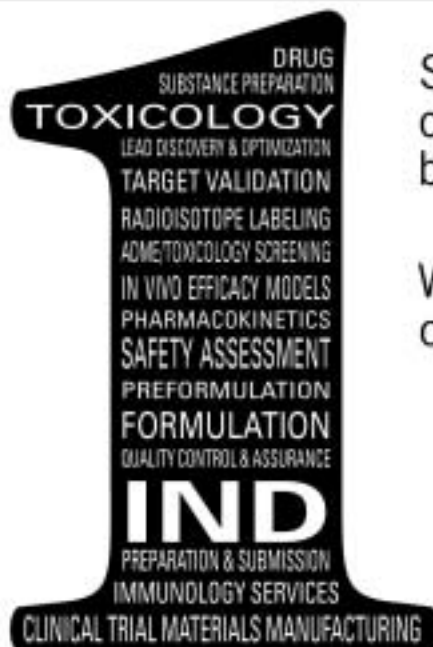
United States Geological Survey's Open House

The U.S. Geological Survey will showcase its scientific research at its Menlo Park Science Center on Saturday, May 31 and Sunday, June 1. The Menlo Park Science Center is located at 345 Middlefield Road in Menlo Park, California. The theme of the event is "Safety and Prosperity Through Science—Natural Hazards, Environment, Technology, and Our Bay Area Home."

Hours of the Open House are 10 a.m. to 4 p.m.

There is no admission charge. Although nearby parking lots are expected to be adequate, local residents are encouraged to walk or bicycle to the event. See <http://openhouse.wr.usgs.gov> for more details.

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Stanford Student Receives Scholarship

Around 1992, the ACS recognized that extra effort was needed to increase the numbers of underrepresented minorities – African-, Hispanic-, and Native Americans – in the chemistry work force. The ACS Minority Affairs Office and Committee were formed around 1993. Dr. Slayton Evans, a professor of chemistry at the University of North Carolina-Raleigh, was an early moving force in these important initiatives. A Minority Scholar program for undergraduates in chemistry and chemical engineering was established. Corporations, individuals, a college, and others contributed over \$1 million in less than 10 years, and the ACS Matching Fund matched this amount. Over 1,000 individual students have received ACS Minority Scholarship funding. The first Minority Scholar has received a Ph.D. in chemistry.

Dr. Evans found that he had cancer about 1999 and despite medical intervention died of the disease in 2002. In his memory, individuals inside and outside the ACS created the Slayton Evans Scholarship. Quentin is the first recipient of this Scholarship.



Dr. Elsa Reichmanis, ACS president from Lucent Technology; Quentin Baca, a Junior at Stanford; and the first Slayton Evans Scholar Dr. Richard Zare, Quentin's mentor at Stanford.

EMPLOYMENT HELP IN OTHER AREAS OF CALIFORNIA

The following are names and addresses of contacts in other California Sections. You may write to them or call to find out how to receive their job listings or how to place a job listing with them. Do not send self-addressed envelopes unless requested to do so.

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916-927-7088 916-927-7006 FAX

San Diego Section

Renate Valois
619-260-4513 619-260-2211 FAX e-mail: pascal@acusd.edu

Southern California Section

Send a self-addressed, 55 cent stamped business envelope to:
ACS job listing
14934 South Figueroa Street, Gardena, CA 90248
310-327-1216 e-mail: office@scalacs.org
www.scalacs.org/employ.html



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CHEMEMPLOYMENT ABSTRACTS



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FUTURE MEETINGS

May 22	SCV Dinner Meeting Dr. Carolyn Bertozzi
Jun 15-18	ACS Colloid and Surface Science Symposium Atlanta, GA
Jul 12	SCV Wine Tasting and Awards Picnic
Sep 7-12	ACS National Meeting New York City
Sep 21-24	Combinatorial Chemistry ACS ProSpectives Leesburg, VA
Sep 25	SCV Dinner Meeting Dr. Ken Carter Material Science

For the latest information, please visit
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