Annual Family Picnic and Awards Ceremony

Our next Section event will be our summer picnic on Saturday, July 11. It will feature a special red wine tasting hosted by Floyd Hobbs. The afternoon will also include a catered picnic outside the Mudd chemistry building at Stanford and ceremonies honoring our 50- and 60-year members and other award winners.

50 Year Members
- Robert Anderson
- T.Z. Chu
- Hubert Dubb
- W. Patrick Gallagher
- Roy Hayter
- Gonzalo Monarque
- Ronald Orlowski
- Charles Shaw

50 Year Members
- Joseph Castellano
- Arthur Diaz
- Melvin Ebeling
- Louis Gottwald
- Stanley Judd
- John O’Malley
- David Ross
- Lowell Yeager

60 Year Members
- Kirtland McCaleb
- Joel Rossen
- Chester Poetsch

Wine Tasting:
Floyd Hobbs has offered to arrange a wine tasting. This year we will be tasting a horizontal selection of red wines.

Dinner:
Armadillo Willy’s will cater the picnic, as they did last year. The tentative menu will include:
- Smoked Barbequed chicken
- Beef brisket
- BBQ beans
- Spicy coleslaw
- Corn bread muffins
- Green Salad
- Wine, beer, soda, water
- Dessert

Location:
The Stanford Chemistry Department.

Time:
4:30 p.m. Wine Tasting
5:30 p.m. Buffet BBQ Dinner
7:00 p.m. Awards

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.

RESERVATION FORM
Annual Family Picnic and Awards Ceremony
Stanford University – Saturday, July 11, 2008
Deadline for Reservations – Friday, July 7, 2008

Name(s): ____________________________________________________________________________
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

Mail check and reservation form to: Sally Peters, 228 Sand Hill Circle, Menlo Park, CA 94025

Please check if you can volunteer: ☐ I can help set-up ☐ I can help clean-up
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 make reservations by accessing the Internet at our website: [www.scvacs.org/Local_Folder/din_mtg.html](http://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 Friday, July 7.

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**Annual Picnic, continued from front page**

Summer is here and it’s time for our annual picnic. I hope to see you all there.

We had an excellent meeting at the Monterey Bay Aquarium Research Institute (MBARI) on May 2. Located in Moss Landing, MBARI was founded in 1987 by David Packard and it is still funded primarily from the Packard Foundation. MBARI’s mission is to achieve and maintain a position as a world center for advanced research and education in ocean science and technology, and to do so through the development of better instruments, systems, and methods for scientific research in the deep waters of the ocean.

Chemical oceanographers at MBARI develop automated sensors and underwater experiments to study how the chemistry of seawater relates to biological processes and interactions with the atmosphere and the seafloor. Ken Johnson and his research team have developed several instruments and that automatically measure concentrations of various chemicals including iron, nitrates, and silicates in seawater. They have also deployed networks of instruments in the ocean and in estuaries to understand the chemistry of these areas. Another area of research being pursued by MBARI scientists is a study of methane hydrates—ice-like solids that form when methane (natural gas) combines with seawater at the low temperatures and high pressures of the deep sea.

This was a joint meeting, co-hosted by our own Santa Clara Valley Section and the California Los Padres Section. About 60 people got a tour of MBARI, including their research vessels, their labs and their novel sensor systems, and then enjoyed some appetizers and light snacks before Ken Johnson’s presentation. Some of the attendees from California Los Padres drove all the way up from Santa Barbara to attend this event.

I would like to thank all the MBARI team who made this into such an interesting meeting. They include the tour guides (Kurt Buck, Judith Conner and Ginger Elrod), the researchers who presented their research on the tour (Carol Sakamoto, Ed Peltzer, George Matsumoto and Sasha Tozzi) and Annette Gough who helped pull the entire event together.

MBARI has an excellent facility, and does some fascinating research. It was marvelous that they were able to let the ACS section understand their research.

Our summer tradition is to hold our annual awards dinner and picnic in July, and then take a break from local section activities until the fall. Please come to the picnic, and then enjoy your summer!  

*Natalie McClure*
2009 Chemistry Olympiad Finalists

On April 25th, eighteen of the Santa Clara Valley Section's top high school chemistry students met at Santa Clara University to compete in the national testing for the 2009 International Chemistry Olympiad. Fourteen students from the California section joined us for testing, eating pizza, and more testing!

The exam that the sophomores, juniors, and seniors took consisted of three sections and lasted more than 4 ½ hours. The students gave up a beautiful Saturday to work on 90 minutes of multiple choice questions, 105 minutes of problem set questions and 90 minutes of 2 lab practical questions. The number of students who can compete in the national exam is determined by the number of members in the local section. We have 3600 members and that translates into 18 finalists.

This year there were more seniors than in the past and a lot of talk about colleges and financial aid. The students that participated in previous years felt this year’s exams were more difficult than last years. At the end of the day, no one wanted to major in chemistry!

A special thanks goes to Dr. Linda Brunauer and some of her lab assistants for making the arrangements and setting up the labs for the 32 students. Other Santa Clara students made themselves available for college type questions and led a brief tour of the campus. The Student Affiliates of Santa Clara have won numerous ACS awards under the direction of Dr. Brunauer.

Another round of thanks goes to the local section members who gave up their Saturday to proctor the exam – George Lechner, Howard and Sally Peters, Jane Frommer, and Natalie McClure. Al Verstuyft, Don McLean, Wally Yokoyama, and Bryan Balazs traveled from the East Bay with the California section students.

If you would like to match wits with the students go to the exams at: http://portal.acs.org/portal/acs/corg/content?_nfpb=true&_pageLabel=PP_SUPERARTICLE&node_id=1508&use_sec=false&sec_url_var=region1&uuid=b9a92eb0-973f-4e81-9d4e-79bbace469b4

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

- **Gunn High**
  - Audry Ho, Paul Summers
  - Teacher: Heather Mellows

- **Harker School**
  - Andrew Zhou, Kevin Xu, Vikram Nathan
  - Teacher: Mala Raghavan

- **Hillsdale High**
  - Praveen Ramesh
  - Teacher: JB Luzar

- **Lynbrook High**
  - Patricia Li, Tejas Navaratna
  - Teacher: Roy Rocklin

- **Monta Vista High**
  - Aniruddha Dasgupta, Paul Allegakoen
  - Teacher: Kavita Gupta

- **Mountain View High**
  - Edna Cheung, Justin Bai
  - Teacher: Katie Thornberg

- **Palma High**
  - Robert Puccinelli, Josh Delgado
  - Teacher: John Chipley

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Silicon Valley Science and Engineering Fair
The Synopsys Championship

The Synopsys Championship (our Silicon Valley Science Fair) was held March 18 at the San Jose Convention Center. Dr. Howard Peters was the sole judge for the awards for our group - the ACS Santa Clara Valley Local Section. He presented the section’s special awards at the ceremony at Paramount’s Great America in Santa Clara on Sunday March 29. Our thanks is again extended to Dr. Aart De Gusse and the Synopsys Outreach Foundation for their continuing generous support of our local science students and this important science outreach program.

Our American Chemical Society (ACS) special award winners were:

- **1st Place Award** $500.00
  - Neil Kumar, Saint Francis High School
  - The Effect of Inorganic Catalysts on Hydrogen Peroxide Decomposition

- **2nd Place Award** $200.00
  - Justin To, Oak Grove High School
  - Increasing the Economic Viability of Silica Aerogel through Supercritical Drying Processes

- **3rd Place Award** $100.00
  - Rebecca Jolitz, Jolitz Home School
  - Melamine: Seasoning or Filler?

- **3rd Place Award** $100.00
  - Priscilla Lok, Lynbrook High School
  - Effect of Organic Wastes on Chelation of Chromium from Industrial Waste Waters

Several local students competed in the INTEL International Science and Engineering Fair in Reno May 12-13, 2009. For additional information regarding local 2009 winners see http://www.outreach-foundation.org/

Additionally, the Intel International Science and Engineering Fair (ISEF) World Class Competition, May 12-13, 2009 was held in Reno, Nevada. For more information, visit: http://www.usc.edu/CSSF/. For other affiliated US Science Fairs, please see http://www.societyforscience.org/isef/students/aff_fairsearch.asp

Wednesday, May 11-12, 2010. PLEASE MARK THOSE DATES. Over 1,000 JUDGES WILL BE NEEDED IN ALL CATEGORIES. For more information, visit: http://isef2010sanjose.org/
May 2nd Meeting at the Monterey Bay Aquarium Research Institute
Photos by Lois Durham and Jim McClure

Dr. and Mrs. George Lechner

David Nehrkorn, Melanie Billigmeier and Dr. Ken Johnson

Ed Peltzer, describing his research

Ventura ROV (Remote Operated Vessel)

Howard Peters and Judith Shelling

Natalie McClure

Dr. Johnson, Natalie McClure and John Hagen, Chair, California Los Padres Section

Carol Sakamoto, describing her project

Ken Johnson, speaker

Carol Mosher and Ean Warren
CHEMPSLOYMENT ABSTRACT 3937

Position Title: Senior Scientist - In Vivo Pharmacology

Job Description: The successful candidate will provide scientific, strategic leadership and hands-on technical expertise to drive compounds from discovery to proof of concept in humans. He/she will lead and manage implementation of in vivo pharmacology models for targets of interest, using translational and pharmacodynamic approaches to prioritize compounds. The applicant will provide in vivo pharmacology expertise to project teams during the discovery and development phases of small molecule drug development program.

QUALIFICATIONS DESIRED:

Education: This position requires a PhD in Biology

Experience: Post-doctoral experience with 5-15 years of relevant experience in a research, biotechnology, or pharmaceutical lab

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: South San Francisco, CA

Employer Description: Genentech is among the world’s leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions

Application Instructions: Genentech is dedicated to fostering an environment that is inclusive and encourages diversity of thought, style, skills and perspective. To learn more about our current opportunities, please click here reference Req. #1000024282. Please use “Web - ChemPloyment” when a source is requested. Genentech is an Equal Opportunity Employer.
**FUTURE MEETINGS**

**Jun 23-25**
Green Chemistry and Engineering Conference
College Park, MD
[http://acswebcontent.acs.org/gcande](http://acswebcontent.acs.org/gcande)

**Jun 28 - Jul 1**
Northwest Regional Meeting
Tacoma, WA
[www.chem.plu.edu/norm2009](http://www.chem.plu.edu/norm2009)

**Jul 6-9**
Organic Microelectronics and Optoelectronics Workshop V
San Francisco, CA
[http://acswebcontent.acs.org/organicmicroelectronic/index.html](http://acswebcontent.acs.org/organicmicroelectronic/index.html)

**Jul 11**
Annual Family Picnic and Awards Ceremony
Stanford University Chemistry Department

**Aug 16-20**
238th National ACS Meeting
Washington, DC

**Sep 17**
Dr. Tom O. Passell
EPRI
Developments in Cold Fusion
Biltmore Hotel, Santa Clara, CA