Chair's Message

While you're celebrating National Chemistry Week, another fall tradition for many of you is to renew your ACS membership. So, it's a ripe time to urge you to sign up as a Santa Clara Valley member again for 2012!

Did you know that our local section Finance Committee drafts a detailed budget during late fall every year? That budget then serves as a guide for how we spend your hard-earned money when you check the little box to renew your SCV membership for $12. We have approximately 3400 local members, so that should provide $40,800 in income that is critical to the function of SCV ACS. In fact, for 2011, we budgeted to receive $20,000 in local section dues and actually received $19,345. That means that almost half of you feel contributing to our local section was worth the money for 2011. I challenge all of us to increase this percentage for 2012. If you're already a local section member, then encourage at least one colleague to join and highlight the reasons why YOU are a SCV ACS member. I am a local SCV ACS member because I like supporting our critical outreach, assistance to educators and creating worthwhile net-working opportunities for chemists.

Let's take a moment to examine the budget in greater detail—how exactly are we spending your money? The budget for 2011 breaks down as follows, for a grand total of $59,825 net outflow for 2011:

- **Category** | **Amount ($)**
- Newsletter | 15,570
- Meal Expenses | 14,000
- Awards | 6,250
- Workshops | 6,200
- Councilor Travel Expenses | 4,630
- National Chemistry Week | 2,500
- Awards Administrative | 2,100
- Elections | 2,100
- Local Meeting Expenses | 1,600
- Undergraduated Research | 800
- Storage | 700
- Chem Olympiad | 600
- Chair Discretionary Fund | 500
- Photocopy/Postage | 400
- Officers Conferences | 400
- Miscellaneous Administrative | 400
- Regional Meeting | 400
- Website | 250
- Past Chair Discretionary Fund | 250
- Science Fairs | 100
- Public Relations | 75

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2011 Teacher-Scholar Award Announcement

Madeline Adamczeski of San Jose City College is this year’s winner of the Teacher-Scholar Award. Recipients of SCV’s Community College Award are honored both for their excellent teaching and for a commitment to their students that goes well beyond the classroom. Dr. Adamczeski has been awarded numerous grants in systemic education initiatives from the National Science Foundation and has forged beneficial collaborations with other academics. She has sparked her...
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. Our monthly dinner meetings are key for networking, hearing about local, relevant science and it is my hope that from this direct peer-to-peer discussion can come innovation. Jobs follow innovation.

Our third largest expense is Awards. We have a long-standing tradition of recognizing both local and national scientists and volunteers. This not only helps us to bring great scientists to the Bay Area, it also rewards and motivates members of the society and our peers. I encourage you to refresh your understanding of the Award requirements and submit a nomination form in 2012!

So, we GREATLY appreciate your support by renewing your SCV ACS membership, and rest assured that your dollars are blossoming into important outreach, education and local section events. But, don't take my word for it! Send me your ideas and opinions on Facebook. Search for Santa Clara Valley ACS and click on “Like” to have the discussions stream directly to you.

New Members List for September

Sabra Abraham
Dr. Megan Brennan
Sue Carter
Dr. Trevor Charvat
Joshua Cuppett
Charles Pierre DeNault
Edgar Ardeen Elkins Jr.
Dr. Andreas Gahlmann
Dr. Francis Gosselin
Christopher Henry
Dr. James Andrew Henshilwood
Allen Hoffmann
Kalena Jackson
Saba Abraham
Dr. Megan Brennan
Sue Carter
Dr. Trevor Charvat
Joshua Cuppett
Charles Pierre DeNault
Edgar Ardeen Elkins Jr.
Dr. Andreas Gahlmann
Dr. Francis Gosselin
Christopher Henry
Dr. James Andrew Henshilwood
Allen Hoffmann
Kalena Jackson
Ruwan T. Kurulugama
Dr. Chi Hang Lee
L. Andrei Lita
Dr. Jian Liu
Catherine Lo
Mandy Loo
Andrew McClory
Dr. Colin D. Medley
David E. Mezynski
Benjamin Reinecke
Cecily Ryan
Michael Ryan
Katharyn L. Schlueter
John S. Senaldi
Apurwa Sharma
Austin Jeffrey Smith
Dr. Jason L. Spitzer
John R. Stillian
Dr. Daniel Strickland
Susan Elizabeth Strong
Jolinda Tam
Carmen L. Velez
Dr. Jinjin Wang
Owen Williams
Dr. Chen Zhao

Chair’s Message, continued from front page

We see the top expense is the Newsletter. Every month the Executive Committee works hard to bring you interesting articles, details on upcoming events and even job ads. As you know, a few years ago we transitioned to e-newsletters, bringing this actual cost down from around $27,000 to $15,000. Hence, electronic publishing saves us approximately $12,000 (44%) annually. This is a great, and frugal, way for our Section to stay connected!

Our second-largest expense is Meals. Have you ever complained about the cost of dinner at one of our meetings? In fact, the section does subsidize the expense of these meetings, because meeting space in the Bay Area isn’t cheap. But we’re always looking for new venues—so give us your best ideas! We also partially or fully subsidize 50-year members, as well as students and job seekers. The dinner meetings are key for networking, hearing about local, relevant science and students’ interest in conducting research and participating in conferences and seminars.

The award dinner meeting will be held at the Biltmore Hotel in Santa Clara on November 17th starting at 6 pm.
President Barack Obama unveiled the National Science, Technology, Engineering, and Mathematics (STEM) Video Game Challenge at a White House event.

The competition has two parts: one for students and another for game developers. The Youth Prize in STEM learning challenges middle school students (grades 5 through 8) to design original video games. The Challenge is open to students from U.S. schools - with an emphasis on students in under-served urban and rural communities. The total prize pool is $50,000. Winners receive AMD-based laptops, game design books, and other tools to support skill development. Students in the contest from under-served communities are eligible to get additional cash prizes.

The Developer Prize challenges novice and seasoned game developers to design original games for children (grades pre-K through 4) that foster interest in science, technology, engineering, and math. Developers enrolled in an undergraduate or graduate program in the U.S. are eligible for a special prize. Entries must put a special emphasis on technologies that are effective in reaching under-served communities, such as games built for low-tech devices that address educational needs among at-risk youth. The top entry submitted on a collegiate level, and another for reaching under-served communities, will receive an award of $25,000 each.

Entries for the National STEM Video Game Challenge start October 12, with a deadline of January 5. Complete guidelines are available at www.cooneycenterprizes.org and at www.stemchallenge.org/youthprize. The Joan Ganz Cooney Center at Sesame Workshop and E-Line Media oversee the competition. Sponsors include AMD, the Entertainment Software Association, and Microsoft.

According to the C&EN archives, the lead paragraph for the April 5, 1993, issue was:

“Initiatives in minority affairs and international activities and revamping of committees were among the top achievements of American Chemical Society governance bodies at ACS’s 205th national meeting last week in Denver. Attendance at the meeting was about 11,000, surprisingly high in light of concerns about the depressed economy and calls for boycotting Colorado because of an anti-gay rights initiative passed in the state last November. The high attendance comes on the heels of record total attendance of 24,100 at last year’s two meetings.”

The September 1st, 2011, issue of C&EN led off with Hurricane Irene:

“Hurricane Irene on the nation’s East Coast hindered travel to Denver earlier this week, but once attendees arrived for the 242nd American Chemical Society national meeting, the city offered a gloriously sunny welcome.”

More than 10,000 chemists and other visitors attended the meeting, including approximately 2,400 students and 1,000 exposition exhibitors. The on-site ACS Career Fair hosted more than 50 employers and 760 job seekers, who had access to more than 260 available positions. The online Virtual Career Fair attracted nearly 4,000 job seekers, more than a dozen employers, and more than 360 jobs. The career fairs featured numerous career and professional development workshops.

Chemists presented almost 7,300 papers – including some delivered via Skype as a result of the hurricane. Several presentations centered on the meeting theme of "The Chemistry of Air, Space, and Water." Others covered topics as diverse as single cell analysis, patent rights, and how to get a first job in industry.”

This meeting did not change very much from the 1993 meeting, but the convention center and nearby hotels did. The Denver Convention Center is new and large, very large, with lots of places to sit and drink coffee while you use the free Wi-Fi. The meeting rooms were plentiful and the exposition was spacious and well attended. The general feeling was it was a great city to host the meeting. The lower number of attendees can be blamed on Irene, the sluggish economy (see 1993), and the timing of the start of classes. Most universities and colleges began the week.

On Sunday, the Committee on Community Affairs hosted the largest, most successful outreach program at the Denver Museum of Science and Nature. More than 850 kids had fun experiencing “hands-on-chemistry” with 12 different experiments.

But most exciting of all was the fact that our section won a ChemLuminary Award for its Outstanding Teacher Program workshop. Congratulations to Bonnie Charpentier and all of her Section volunteers that made the workshop possible.

**ACTIONS OF THE COUNCIL**

**Election**
- The Committee on Nominations and Elections presented to the Council a slate of candidates for membership on the Committee on Committees. By electronic ballot, the Council elected Rigoberto Hernandez, Bonnie Lawlor, Zaida Morales-Martinez, our own Howard Peters and Sara Risch for the 2012-2014 term.
- The Committee on Nominations and Elections presented to the Council a slate of candidates for membership on the Council Policy Committee. By electronic ballot, the Council elected Lawrence Barton, Peter Jurs, Mamie Moy, and Eleanor Siebert for the 2012-2014 term.
- The Council Policy Committee presented to the Council a slate of candidates for membership on the Committee on Nominations and Elections. The Council elected Jack Breazeale, Jr., Catherine continued on next page
Membership Activity
- Despite the challenging economy and continued high unemployment, the Society's overall membership number remains stable at near 163,000. The number of new undergraduate Student Members is growing rapidly, and, as of July 31, the total stands at 15,702. The committee is concentrating its efforts on retaining current members.

Special Discussion Item
- President Nancy Jackson presented and moderated a discussion on how ACS can best cultivate a culture of safety in US universities and colleges. Councilors engaged in robust discussion on this very timely topic, with numerous suggestions by 42 different Councilors.

Changes in Technical Divisions
- The Council voted to grant full division status to the previously probationary Division of Catalysis Science and Technology, and to approve the proposed bylaws of this division.
- After a lively discussion, the Council voted 53% to 47% to combine the Divisions of Petroleum Chemistry the Division of Fuel Chemistry under the new name of the Division of Energy and Fuels, effective December 31, 2011. The discussion centered largely around the name, rather than the merger.

Employment, Economic, and Professional Activities
- The Presidential Task Force on Innovation and Job Creation released their report, entitled “Innovation, Chemistry & Jobs.” The report contains four recommendations to stimulate innovation and job creation in the US chemical industry. [www.acs.org/creatingjobs](http://www.acs.org/creatingjobs)
- The Committee on Budget & Finance announced the society’s 2011 financial performance. Revenues are expected to reach $468.5 million by year-end, while net contribution from operations is projected to total $18.3 million, or $5.0 million more than had been budgeted. This increase was due to unexpected lower salaries and expenses.

Update on ACS vs. Leadscope Litigation
- Our own Bonnie Charpentier, Chair of the Board of Directors gave an update on the Leadscope case. She reported previously that ACS had appealed to the Ohio State Supreme Court and that the Court has agreed to hear the case. In written briefs filed in support of the Society’s position (that the lower court rulings were both unfair and unconstitutional), ACS has been joined by several prestigious organizations. In April, the Leadscope defendants filed two motions seeking to dismiss the Society's appeal. In June, the Ohio Supreme Court denied their motions and oral arguments were scheduled for September 7 in Columbus, Ohio.

ADDITIONAL INFORMATION
- The following is a list of URLs and email addresses presented on slides at the Council meeting. You will find the information noted on these cites helpful:
  - [www.acs.org/acspresidents](http://www.acs.org/acspresidents) - Information on ACS past presidents
  - prehistory@acs.org – contact information for inclusion or correction of errors on the ACS presidency
  - [www.acs.org/creatingjobs](http://www.acs.org/creatingjobs) - Location for the ACS Task Force on Innovation report, “Innovation, Chemistry and Jobs”
  - [www.acs.org/iyc2011](http://www.acs.org/iyc2011) - Location for International Year of Chemistry activities
  - [https://communities.acs.org/message/81258125](http://https://communities.acs.org/message/81258125) – A link on the ACS Network for ACS Strategic Plan Discussion – public
  - safety@acs.org – Contact information for questions/comments about laboratory safety
  - outreach@acs.org – Contact information on outreach activities through the Committee on Community Activities

Volunteer Opportunities
Get involved with your local section and with your community - sign up now!

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<thead>
<tr>
<th>When/Where</th>
<th>What</th>
<th>Contact</th>
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<tbody>
<tr>
<td>Saturday, October 22 9:30 am – 1:30 pm MLK Jr. Library, San Jose</td>
<td>NCW Public Outreach Booth Work with college students to do experiments with kids</td>
<td>Abby Kennedy <a href="mailto:akennedycali2007@yahoo.com">akennedycali2007@yahoo.com</a></td>
</tr>
<tr>
<td>Saturday, October 29 8 am – 2:30 pm San Jose Convention Center</td>
<td>SACNAS Community Day Run hands-on experiments with high school students</td>
<td>Abby Kennedy <a href="mailto:akennedycali2007@yahoo.com">akennedycali2007@yahoo.com</a></td>
</tr>
<tr>
<td>Saturday, November 5 8 am – 3 pm RAFT Redwood City</td>
<td>Teacher Workshop Help set up this award-winning workshop and work with the teachers - take a shift on Saturday, or help with prior preparation</td>
<td>Bonnie Charpentier <a href="mailto:b.charpentier@acs.org">b.charpentier@acs.org</a></td>
</tr>
</tbody>
</table>
Highlights of the September Dinner Meeting with Dr. Gerald Fuller

Photos Courtesy of Lois Durham

Professor Gerald Fuller

Alison Logia describing her project

Jeanette Medina and Natalie McClure

Travis Walker, Alison Logia and Jerry Logia

George Lechner and John Perumattam

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CHEMPLACEMENT ABSTRACT 3966

Position Title: Development Associate II, Process Development and Manufacturing (Job Code 4711)

Job Description:
- Primary responsibility will be to perform process optimization experiments for Geron’s Telomerase Inhibitor Program (imetelstat sodium and others) and the peptide-paclitaxel conjugate GRN1005
- Maintain and operate the Akta Oligopilot 100 DNA synthesizer, LC-MS, HPLCs, UV, Ultra Filtration, Lyophilizer and other equipment as assigned.
- Test and analyze R&D samples, API and drug product samples from contract manufacturers as needed.
- Perform Routine laboratory work such as synthesis of target compounds, standards, analysis of samples, API and drug product according to their specifications.
- Conduct experiments based on statistical software such as design expert.

QUALIFICATIONS DESIRED:
Education: BS/MS in Chemistry with a minimum of 2-5 years experience in synthesis of small molecules, peptides and/or oligonucleotides/nucleosides

Experience:
- Experience in synthetic organic chemistry especially in heterocycles and coupling reactions.
- Experience in NMR, HPLC, LCMS, UV and interpretation and presentation of the results to the team.
- Proficiency in Word, Excel, PowerPoint, ISIS draw or ChemDraw
- Familiarity with GMP practices and knowledge of CFR, ICH guidelines.

LOCATION, SALARY, EMPLOYER:
Job Location: Menlo Park, CA
Salary: DOE

Employer: Geron is developing first-in-class biopharmaceuticals for the treatment of cancer and chronic degenerative diseases. The company is advancing anti-cancer therapies through multiple Phase 2 clinical trials in different cancers by targeting the enzyme telomerase and with a compound designed to penetrate the blood-brain barrier.

Application Instructions: Please submit resumes to hr@geron.com with the Job Code in the subject line. Resumes can also be sent to: Attn: Human Resources, 230 Constitution Drive, Menlo Park, CA 94025 or via fax at (650) 473-7759.

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CHEMPLACEMENT ABSTRACT 3967

Position Title: Scientist – colloidal chemist

Job Description: Candidate will work with variety of organic and carbon materials including solutions, dispersions and suspensions, assist development and testing coating methods in conjunction with the formulation optimization, evaluating physical properties of the newly formulated materials and dry films obtained from them. Candidate will join our research and development group to develop next-generation products using a proprietary technology for energy storage applications.

QUALIFICATIONS DESIRED:
Education: PMS (Ph.D. is a plus) in chemistry, materials science, physical chemistry or related fields

Experience: 3-5 years hand-on working experiences

LOCATION, SALARY, EMPLOYER:
Job Location: South San Francisco, CA
Salary: DOE

Employer: Ribtan, Inc. is a material technology company developing new graphene-based materials for electronics.

Application Instructions: Please contact Greg King at 415-902-4721, or send your CV to info@cryscade.com; please mention that you are applying for the Colloidal Chemist position at Ribtan.

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CHEMPLACEMENT ABSTRACT 3968

Position Title: Lab Technician

Job Description: Candidate will work with variety of organic and carbon materials including solutions, dispersions and suspensions, assist development and testing coating methods in conjunction with the formulation optimization, evaluating physical properties of the newly formulated materials and dry films obtained from them.

QUALIFICATIONS DESIRED:
Education: Degree in chemistry, materials science, physical chemistry or related fields

Experience: Lab experience in organic chemistry highly desired

LOCATION, SALARY, EMPLOYER:
Job Location: South San Francisco, CA
Salary: DOE

Employer: Ribtan, Inc. is a material technology company developing new graphene-based materials for electronics.

Application Instructions: Please contact Greg King at 415-902-4721, or send your CV to info@cryscade.com; please mention that you are applying for the Lab Technician position at Ribtan.

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CHEMPLACEMENT ABSTRACT 3969

Position Title: Scientist – Analytical Chemist

Job Description: The candidate will be responsible for leading QA and QC work for the company on all products and creating analytical equipment base for stable control of incoming and outgoing chemical materials. The person will assemble and manage group of 2-3 engineer who would work on particular analytical methods and manage relations with chemical subcontractors by establishing clear common procedures for QC and QA.

QUALIFICATIONS DESIRED:
Education: MS (Ph.D. is a plus) in analytical chemistry

Experience: 3-5 years experiences, preferable in cosmetics or pharmaceutical industries.

LOCATION, SALARY, EMPLOYER:
Job Location: South San Francis, CA
Salary: DOE

Employer: The Company - Crysoptix - Crysoptix has developed coatable materials for commercial production of Thin Birefringent Film retarders via slot-die technology.

Application Instructions: Please send your CV at info@cryscade.com
CHEMPELOYMENT ABSTRACT 3970

**Position Title:** Sr. Laboratory Analyst

**Job Description:** Perform Method development and adaptation. Coordinate laboratory staff training in method transfer to production use for tests including material identity testing and finished product testing. Perform leadership tasks, test data review, basic troubleshooting and maintenance of lab equipment.

**QUALIFICATIONS DESIRED:**

**Education:** BS in Chemistry, Biology, Microbiology or equivalent

**Experience:**
- Experience working in a Quality Control or Analytical testing laboratory.
- Experience with HPLC, HPTLC, FT-IR, ICP-MS, UV-Vis.
- Experience writing reports, test methods, and Standard Operating Procedures.
- Knowledge of GMP requirements.
- Understanding of Out of Specification investigation procedures.

**LOCATION, SALARY, EMPLOYER:**

**Job Location:** Scotts Valley, CA

**Salary:** Depends on experience

**Employer:** Threshold Enterprises is an industry leader in the manufacturing and production of Nutritional Supplements, vitamins, and wellness products.

**Application Instructions:** Interested applicants can send resumes to: resumes@thresholdent.com Please include: "Sr. Lab Analyst" in the subject line.

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CHEMPELOYMENT ABSTRACT 3971

**Position Title:** Natural Products Chemist

**Job Description:** Lead QC Research Lab in development of new test methods, specification reviews, raw material and final product review. Research and gather information, review testing results, make recommendations / changes / improvements in existing methods, processes and practices. Lead a team of Lab Analysts in developing and executing strategies to improve GMP goals.

**QUALIFICATIONS DESIRED:**

**Education:** Ph.D. in Pharmacognosy or Chemistry or Food Science and Technology, or equivalent.

**Experience:** Natural Products Chemist with experience in identity and quality testing of Ayurvedic, Chinese and western botanical raw materials and extracts. Comprehensive knowledge and experience in analytical and QC method development and adaptation for HPLC / LC-MS, and also desired TLC, GC-MS. 10 years exp in dietary supplement industry or related industry. Excellent communication skills.

**LOCATION, SALARY, EMPLOYER:**

**Job Location:** Scotts Valley, CA

**Salary:** Depends on experience and fit

**Employer:** Threshold Enterprises is an industry leader in the development and manufacturing of award winning Nutritional and Dietary Supplements, vitamins, skin creams and wellness products.

**Application Instructions:** Interested candidates should send a current resume, along with salary history to: Resumes@thresholdent.com

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CHEMPELOYMENT ABSTRACT 3972

**Position Title:** Process Engineer

**Job Description:** Responsibilities include developing process for deposition of crystal electrode materials and assembling of lab level devices with a focus on then applying these procedures towards roll-to-roll production processes.

**QUALIFICATIONS DESIRED:**

**Education:** BS or MS in engineering, chemistry, materials science, physical chemistry or related fields

**Experience:** 3-5 years working experience in process development, roll-to-roll coating experience desired

**LOCATION, SALARY, EMPLOYER:**

**Job Location:** South San Francisco, CA

**Salary:** DOE

**Employer:** Carben Semicom, LTD, is creating next-generation products for energy storage applications. www.carbensemicon.com

**Application Instructions:** Please send your resume at greg.king@carbensemicon.com.
FUTURE MEETINGS

Oct 16-22  National Chemistry Week
Oct 22    NCW Hands-on Demos
          10:00am-1:00pm
          King Library, San Jose State
          (Volunteer Opportunity)
Oct 24-26  Polymer Processing Short Course
          Michael's Restaurant
          Mountain View, CA
          www.ggpf.org
Oct 26    Johnson Symposium
          Department of Chemistry
          Stanford University
          www.stanford.edu/dept/chemistry/events
Oct 27-30  SACNAS National Conference
          San Jose Convention Center
          http://sacnas.org
Oct 29    SACNAS Community Day
          8:30am-2:00pm
          San Jose Convention Center
          https://sacnas.org/civicrm/event/info?reset=1&id=26
          (Volunteer Opportunity)
Oct 29-Nov 6  Bay Area Science Festival
          www.bayareaScience.org
          (Volunteer Opportunity)
Nov 5      Teachers Workshop
          9:00am-2:30pm
          RAFT – Resource Area for Teaching
          101 Twin Dolphin Dr, Redwood City
          Contact b.charpentier@acs.org
          (Volunteer Opportunity)