

# Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 27 No. 9

## Chair's Message

**Survey:** The July issue of the Silicon Valley Chemist asked you to complete a survey about your relation to section activities. You were offered four modes to respond: FAX, email, US-mail, and phone. The polls are still open. Our Web site allows you to complete the survey online. Your choices and answers are important to the section. Please complete the survey form on our web site, <http://www.scvacs.org> or by FAX to 650-328-8883 or mail to SCVACS, P.O. Box 561, Palo Alto, CA 94392-0561 or phone any section officer (list in Newsletter).

**Looking Ahead:** Santa Clara Valley Section was well represented at the ACS National Meeting in Washington, DC, August 28-September 1, 2005. Seven of our councilors and one alternate councilor were admitted to the ACS Council Meeting, the 200th Meeting of the Council. Each year there is a Spring and Fall Meeting to report programs, projects, financial status, and activities of the many Council Committees and Joint-Board Committees. We are a large, non-profit Society with 160,000 members, a budget of about 450 million dollars, net worth of a billion dollars. With 2,000 employees, ACS is the world's

leading provider of chemical information (Chemical Abstracts) and publishes books and more than 25 technical journals.

So you might ask, where and when is the next ACS National Meeting and Exposition? The 231st Meeting will be in Atlanta, GA, March 26-30, 2006. Too many miles away for you? The 232nd Meeting will be in San Francisco, September 10-14, 2006. That's close enough that you could commute. Not only that but Santa Clara Valley Section is co-hosting the meeting with our parent (50 years ago), the California Section. After San Francisco in 2006, the meetings will be in Chicago, Boston, New Orleans, Philadelphia, Salt Lake City, and Washington DC, but returns to San Francisco, March 21-25, 2010. Why not present a paper, attend technical sessions and Exposition in 2006?

If a national meeting isn't in the cards, how about a Regional Meeting? There will be the 40th Western Regional Meeting in Orange County (Anaheim), January 22-25, 2006. This is a change from an October time-frame and will emphasize the role of water in our lives. My next message will cover what you can expect from a Regional Meeting.

## September Dinner Reminder

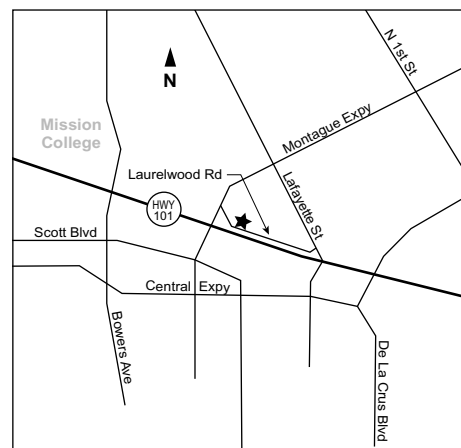
On September 22nd, 2005, join Seth Shostak, to learn about the "Search for Extraterrestrial Intelligence" (SETI). Seth Shostak will provide an overview of the SETI Institute, its programs, and areas of research. The SETI Institute is the oldest and most prestigious organization pursuing the scientific search for extraterrestrial intelligence (SETI) and the many disciplines that comprise the science of astrobiology, or life in the universe. The mission of the Institute is "to explore, understand and explain the origin, nature and prevalence of life in the universe". SETI Institute scientists are pursuing research in extrasolar planet discovery, the evolution of



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## Receive the Newsletter Early!

See <http://www.scvacs.org/newsletter/> for details.



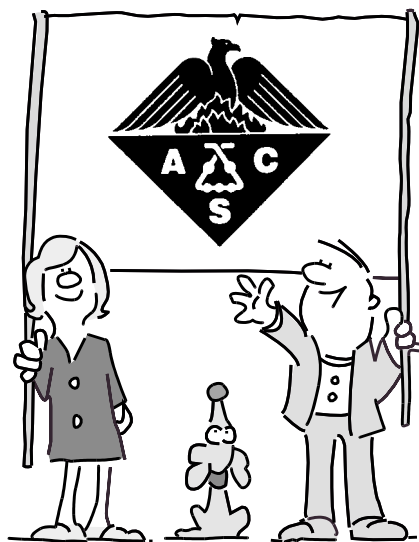
Reminder, continued from front page

stars and planets, biology in extreme environments, the chemistry of the interstellar medium, geology in our solar system, and many other projects. SETI Institute scientists are included on the teams of many of the successful space exploration missions, including the Mars Rovers and Cassini-Huygens mission to Saturn's moon Titan.

We will convene at the Biltmore Hotel and Suites in Santa Clara, which is located at 2151 Laurelwood Blvd., starting at 6:00 p.m. for registration and social hour and 7:00 p.m. for dinner. The \$27.00 dinner includes your choice of Roast Pork Loin with Apricot Sauce or Vegetarian Crepes. Wine is included with the dinner.

Please make your reservations by Monday, September 19th, either online at [www.scvacs.org](http://www.scvacs.org) or by contacting Shirley Radding (408-246-2564 or 408-296-8625 FAX). Reservations should state your name, address, company affiliation, and the number of people in your party. If you are unable to honor your reservation and do not call to cancel by Monday, September 19th, you will be invoiced following the dinner meeting.

Set Shostak's presentation will begin promptly at 8:00 p.m. If you choose to solely attend the talk, no fee will be charged.



## National Chemistry Week Activities

Autumn is almost here in the Santa Clara Valley. The fall brings some beautiful Bay Area weather along with National Chemistry Week (NCW), October 16-22, 2005. This year's theme is "The Joy of Toys" and promises to bring out the kid in all of us! Several special events are planned in October to help you celebrate chemistry and help show the general public the importance (and FUN!) of chemistry within our daily lives.

**FREE ADMISSION!**  
**Pez & Antique Toy Museum**  
**Saturday, October 8, 2005**  
**10:00am - 12:00pm**  
**Burlingame, CA**

We'll begin our celebration of NCW with a visit to the Pez and Antique Toy Museum in Burlingame, CA. This small but intriguing museum is the only place in the world to exhibit all 550 unique Pez candy dispensers, which have been produced since 1950. The museum has been featured on CNN, The Discovery Channel, and Ripley's Believe It or Not, and now you have a chance to check it out for yourself. Have you ever wondered what is the most rare Pez candy dispenser to Pez collectors, or what the first Mr. Potato Head was really made of? Come join us, Saturday, October 8 in Burlingame from 10am to 12pm. We'll be there with donuts and juice while you wait for your turn for a 15 minute personalized tour of the museum with Gary Doss, owner of the museum and Pez aficionado. Adults and kids of all ages are welcome and kids will take home their very own Pez candy dispenser, courtesy of the SCV-ACS section! The museum is located at 214 California Drive, Burlingame, CA, 94010. Convenient street parking is located



in front of the museum.

**FREE DEMONSTRATION!**  
**"Chemistry in the Toy Store"**  
**Saturday, October 15, 2005**  
**10:30am - 11:30am**  
**De Anza College**

Our main headliner for NCW this year is Dr. David Katz, renowned educator and chemical demonstrator. Bring your families to this exciting event! Thanks to Dr. Katz's numerous years of performing chemical demonstrations in the classroom, he has perfected the art of grabbing students' attention in order to teach chemistry. His famous presentation, "Chemistry in the Toy Store", was originally presented in 1982, and it was the first public presentation to focus exclusively on toys which utilized chemicals, chemical reactions or unique properties of materials which could be found in toy, magic or novelty stores. Dr. Katz' presentation will explore the chemistry of a number of new toys, as well as some 'oldies-but-goodies'. Kids of all ages will love to see the chemistry behind their favorite toys! David Katz' demonstration will be 10:30-11:30am on Saturday, October 15 at De Anza College. De Anza is showcasing a brand new Science Building, so come check out their beautiful facility, have some free refreshments and watch Dr. Katz perform his chemistry magic! De Anza College is located at 21250 Stevens Creek Blvd., Cupertino, CA 95014.

**Abstract:** Chemistry in the Toy Store

The chemistry of everyday materials affects our lives in the form of consumer items that are used in the kitchen, laundry, bedroom, workshop, garden, and place of work. One place where many chemical items can be found is the



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toy store. Toys have been an area where chemical items are common, not just in the materials that playthings are composed of, but many playthings themselves involve chemicals, chemical reactions, or the unique properties of a particular material. Whether it is a chemistry set, a silicone putty, a polymer with unusual properties, a material to make or mold another plaything, liquid crystals, or the batteries used to power mechanical or electronic items, the toy store is a unique place for chemical products.

This presentation will demonstrate the chemistry behind a number of toys, old and new, such as balloons, rubber balls, Silly Putty, shrinking plastics, Slime, liquid crystals, and disappearing ink, and discuss them with respect to their properties and how

they work.

**FREE DEMONSTRATION!**  
**“Joy of Toys”**  
**Chemistry Booth at Klutz Toy Store**  
**Saturday, October 22, 2005**  
**12:00pm - 2:00pm**  
**Palo Alto, CA**

An important part of National Chemistry Week is public outreach. It is a chance for us to show our neighbors and friends the importance of chemistry within their daily lives. To reach that goal this year, we are planning to host a “Joy of Toys” chemistry booth at Klutz Toy Store, 572 College Ave., Palo Alto, on Saturday, October 22, from 12pm to 2pm. Using hands-on activities, student volunteers will teach kids the principles behind the chemistry of their favorite toys, and

will encourage patrons to take a spin on the “Chemistry Wheel of Fortune” to win a prize. So, if you happen to be in Palo Alto on that afternoon, stop on by to say hello and promote chemistry in the community! While there, you can also pick up your copies of “Celebrating Chemistry” and “ChemMatters” the ACS publications designed to help you and your children learn about the joy of toys and chemistry.

**FREE SWEAT!**  
**National Mole Day Marathon**  
**Sunday, October 23, 2005**  
**San Francisco, CA**

Finally, what better way to wrap up NCW and to celebrate National Mole Day, Sunday, October 23, than by running 26.2 miles? Come join us to walk or run in the Nike 26.2 Mile Women’s Marathon in San Francisco. Not a woman? No problem! Runners and walkers of all shapes, sizes and genders are welcome for both the full and half marathon. Last year 9000 women strong took it to the streets of San Francisco and raised 10 million dollars for the Leukemia & Lymphoma Society. If you are interested in training with us or joining the official marathon, check out [www.nikemarathon.com](http://www.nikemarathon.com) to register. Aside from representing chemists everywhere and spreading the word of National Mole Day, you can support the Leukemia & Lymphoma Society in the process. If you’re interested in a fun support group for this race, please email Abby Kennedy at [akennedy@exelixis.com](mailto:akennedy@exelixis.com) for more information.

For more information regarding any of these special NCW events, or to volunteer your enthusiasm and knowledge, please email NCW Coordinator Abby Kennedy ([akennedy@exelixis.com](mailto:akennedy@exelixis.com)). Hope to see you there!

## Help Recognize the Birth of Genetic Engineering

At the most recent Executive Committee meeting it was unanimously decided to continue work on the process of establishing two National Historic Chemical Landmarks commemorating the birth of genetic engineering and development of recombinant DNA technology in the Bay Area.

ACS National Historic Chemical Landmarks recognize our scientific and technical heritage and encourage the preservation of historically important achievements and artifacts in chemistry, chemical engineering, and the chemical process industries. National Historic Chemical Landmarks represent or are closely linked to seminal achievements in the chemical sciences and technologies.

A few years ago, members of our Section started the process to

receive recognition of sites at both Stanford Medical School and UCSF Medical School as National Historic Chemical Landmarks for genetic engineering. The preliminary work received strong encouragement from the award committee but was not completed.

You can help complete the applications with the goal of having the National Historic Chemical Landmarks dedicated during the forthcoming ACS National Meeting in San Francisco in fall 2006. We need a small group of dedicated members who want to meet the scientists involved, complete the application and plan the announcements and the award proceedings.

Please convey your willingness to participate by contacting our Chair, Jack Riley, or any member of the Executive Committee.



## ACS Releases 2004 Annual Report

The ACS Office of Communications is pleased to announce the release of the 2004 ACS Annual Report. Members are invited to view the enhanced web edition of the report online at <http://chemistry.org/acsannualreport>.

The enhanced web version of the report includes embedded links to the web sites of various Society programs, along with additional highlights of the Society's operational divisions.

In their combined officers' message for the report, ACS Board Chair Jim Burke, 2004 President Chuck Casey, and Executive Director & CEO Madeleine Jacobs write: "By their very

nature, annual reports are a chance for reflection; an opportunity to look in the rearview mirror and assess how well we navigated the twists and turns and unexpected bumps in the highway over the past 12 months. But they also offer an opportunity to look ahead. Our 2004 annual report does both – it's a review, but with an eye toward the future."

This year's report, "Crossing Boundaries, Crossing Disciplines," focuses attention on the truly multidisciplinary nature of the chemical sciences. The report also spotlights four specific ACS programs that directly

affect the lives of many individuals – ACS Scholars, Project SEED, Teacher Training, and the ACS Green Chemistry Institute.

Please take this opportunity to browse through the report and perhaps even share it with colleagues, relatives, friends and neighbors. It's a great way to provide them with some insight into what it means to belong to the world's largest scientific society.

The Office of Communications welcomes your questions, comments and feedback at [annualreport@acs.org](mailto:annualreport@acs.org). Members may also request a printed copy of the 2004 ACS Annual Report by sending an email to [annualreport@acs.org](mailto:annualreport@acs.org).

## Creating and Updating Your Account at chemistry.org

Create a chemistry.org account today and you can renew your membership, journal subscriptions, and update your contact information all online! Change of email? It's easily

updated with a few clicks of the mouse. To create your chemistry.org account, follow the instructions given when clicking on the new member link at chemistry.org. You'll need your

membership number in order to create a personalized account.

How do I find my membership number? Your membership number is located on your membership card or on the mailing label of your Chemical & Engineering News. Your membership number will be the first seven or eight numbers on your mailing label.

Also, did you know that you can personalize your chemistry.org homepage? After registering with chemistry.org, you can access the mychemistry.org area, where Division memberships, national meetings, OASYS and community activities can all be added to your mychemistry.org webpage. In addition, ACS members enjoy access to special content such as access to ACS benefits, career tools, and AAAS's Science Next Wave.

Create a new chemistry.org account today!

## Become a Student Interview Coach Help Teach Interviewing Skills or Review Resumes

The program of workshops to help undergraduate students with interviewing skills and resume preparation is starting up for the fall. The workshops have been very enthusiastically received on campuses visited to date. We are planning to expand our campus visits during the next academic year. The more volunteers we have trained, the more students we can reach. Volunteer opportunities include the following:

- Become a coach
- Help with set-up on campuses
- Organize materials, supplies and food for student workshops

- Help advertise workshops
- Work with students on resumes – either face-to-face or via email

Please consider using your experience to help young scientists and engineers just starting their careers. For more details or to volunteer please contact Bonnie Charpentier at [bcharpentier@genitope.com](mailto:bcharpentier@genitope.com).

As we go to press, the exact times and locations for the volunteer training and the first campus visits have not been finalized. Further details will appear on the Section website at [www.scvacs.org](http://www.scvacs.org).



## CHAIR-ELECT

### *George Lechner*

George Lechner received his B.A. in Chemistry and Biological Sciences at San Jose State University in 1963. His work life has had him analyzing rocket motor fuels and space ordnance chemicals, helping employees conduct their work safely and in environmentally sound ways while in the semiconductor manufacturing and also in the copiers and printers industries. His former employers include United Technologies Chemical Systems, McCormick Selph Associates and Fairchild Semiconductor. He is currently employed by Xerox Corp. At McCormick Selph he was Chief Chemist in the Process and Quality Control Laboratory for over ten years. He was involved in developing analytical procedures for specialty ordnance and electroplating chemicals and then monitoring quality in the manufacturing processes. He became a subject matter expert in hazardous materials and hazardous waste, which led him into the field of environmental engineering and safety at Fairchild and Xerox, where he now oversees environmental health and safety for the company's Service Technicians and managed-account Associates in the western United States.

**Statement:** I believe the ACS-Santa Clara Valley Section is a vibrant and exciting organization whose members contribute substantially to local industries and academia. Our members are deeply involved in the development of the chemical and biological sciences as well as educating the public with knowledge about the good and not-so-good chemicals that affect our lives. Our Section is very active locally and is effective at the national level. Our Society and our Section face many challenges in the upcoming years and we can and will make a difference. I have served the Section as an Alternate Councilor, Chair-Elect, Chair and now as Past Chair. If elected to a second term as Chair-Elect, I will continue to support our existing programs and will help develop new policies and programs that will enhance the effec-

tiveness of our Society.



## SECRETARY

### *Karl Marhenke*

Karl attended University of California at Berkeley 1953-1957, joined the Student Affiliates in 1955, and received a B.S. Degree in Chemistry in 1957. He worked at Lawrence Berkeley Laboratory 1957-1958 and joined the ACS in 1958. Karl attended the University of Minnesota in Minneapolis 1958-1965, and received Ph.D. Degree with analytical chemistry and physical chemistry minor. His major advisor was Professor E. B. Sandell. Dr. Marhenke became a full-time instructor of chemistry at Cabrillo College in Aptos, CA 1965-1986, Division Chairman of Biology, Environment, Chemistry and Health Occupations Division at Cabrillo College 1986-1994. Karl became Secretary of Santa Clara Valley Section 1989-present. In 1994, he again became a full-time instructor of chemistry at Cabrillo College (1994-1995) He retired from full-time teaching in 1995, and accepted a part-time teaching position at Cabrillo 1995-present

**Statement:** The principal jobs of the Santa Clara Valley Section Secretary are to attend Executive Committee meetings and take minutes; to attend dinner meetings, collect money and provide name badges; to assemble, prepare and submit the Section's annual report, to maintain assigned parts of the Section web page, and to produce a printed directory of Section members for the Executive Committee. My Executive Committee attendance record is good; I distribute minutes to members via e-mail and paper, and I post a summary on our web page as soon as I have the Chair's approval to do so each month. I request your support for reelection as Secretary.



## TREASURER

### *Herbert Silver*

Herbert B. Silber is currently Professor of Chemistry at San Jose State University where he was recognized as the Outstanding Professor for

1990-1991 and received the San Jose State University Dean's Award, 1992. During the period 1992-94, he was a Guest Scientist with the Lawrence Livermore National Laboratory. From 1975-86, Dr. Silber was associated with the University of Texas, San Antonio where he became Professor of Chemistry in 1981. He received his B.S. from Lehigh University, and his Ph.D. from UC Davis and had post-doctoral appointments at the Royal Institute of Technology, Stockholm and the University of Maryland. He was a Visiting Professor in 1984 at the University of Lausanne, Switzerland. Herb Silber was active in the Local Section at San Antonio serving as Secretary, Chair-Elect, and Chair. In the Santa Clara Valley Section, he currently is serving as a Councilor, and he has served on the Awards, Education, and Long Range Planning Committees. Nationally, he was a member of the ACS Committee on Project Seed, Chair in 1994, and is a member of the ACS Committee on Minority Affairs. Dr. Silber is also a member of the Society for the Advancement of Chicanos and Native Americans in science.

**Statement:** I would be pleased to serve the Santa Clara Valley Section as Treasurer, if elected. I was appointed on a temporary basis to fill the unexpected vacancy and I am pleased to continue in the job. I have had experience as Treasurer for the Southwest Regional Meeting and I have some accounting skills.



## COUNCILORS

### *Abby Kennedy*

Abby Kennedy received her BS in chemistry from Allegheny College in 1996 and a Ph.D. in organic chemistry from the University of Arizona in 2001. She then joined Exelixis, Inc., where she has since worked as a medicinal chemist. Abby joined the Santa Clara Valley Section in 2001 upon moving to California. In 2004, Abby served as acting coordinator for National Chemistry Week, and in 2005 she

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officially took on the role of NCW Coordinator and was appointed for a year as an Alternate Councilor.

**Statement:** It is an honor to be considered as a Councilor for our local section. I have thoroughly enjoyed the benefits of being an ACS member since 1997. Now I feel it is time to give back to the organization of which I am a proud member, and I hope to do so as a Councilor, representing you—members of the Santa Clara Valley ACS. I feel that it is important to get involved with one's local ACS section, hence last year I eagerly took the role of acting National Chemistry Week coordinator and organized a public out-reach booth at Stanford during the Sally Ride Science Festival. With the help of my ACS peers and student volunteers, we reached out to over 500 enthusiastic young people to demonstrate how chemistry and "Health and Wellness" could affect their lives.

This year, as official National Chemistry Week Coordinator, I hope to go even further for NCW, including planning a family-oriented seminar highlighting "The Joy of Toys", a visit to a local toy museum, and more efforts to intrigue and educate the public about chemistry and the ACS.

I hear many of my colleagues say that they're not really sure why they belong to the ACS, and they rarely take advantage of the numerous benefits offered by the ACS. One of my goals is to challenge all ACS members to help make their membership worthwhile. I believe we can achieve this through involvement beginning at the local level, and as Councilor I would foster this involvement. Thank you for your consideration.

#### **Ean Warren**

Ean Warren has been a member of the ACS for twelve years. In that time, he has been active in our local section, serving as Local Section Chair, six years as councilor, three years as treasurer and another seven years as Finance chair. He has served as the National Chemistry Week coordinator. He currently is on several committees and maintains the Section's web site with Karl Marhenke. He graduated

from UC Santa Cruz with a Bachelor's degree in Biochemistry and Molecular Biology and from Stanford with a Master's degree in Environmental Engineering and Science. Ean has worked for the U.S. Geological Survey as an environmental scientist for the past fourteen years.

**Statement:** I have held elected positions of chair and treasurer, as well as committee positions within the Strategic Planning, Finance, Younger Chemists and Web Committees. In the past three years, as councilor for the local section, I have served on the national Committee on Environmental Improvement. In addition, I served on the ACS Younger Chemists Committee (YCC). In addition to these committee assignments, I have served as the secretary and chair of the Western District Councilors' Caucus. As councilor, I have had the pleasure of working with our Executive Committee governing our local section and, with your support, will continue helping the ACS on the national level.

#### **Jack Riley**

**Statement:** With 52 years of ACS involvement, 23 years as a Councilor and three times as chair, one last time I ask you to elect me as one of your Councilors. I am honored to represent you in council and pledge my experience and ACS friendships to work for you and the Society. Thank you for considering my candidacy.



### **ALTERNATE COUNCILOR**

#### **David Parker**

David Parker administers the Hazardous Materials Division of the Santa Clara Fire Department. He is involved in hazardous materials management, training, and emergency response. Prior to joining SCFD, Dr. Parker worked in R & D and product safety in the consumer products industry. He earned his Ph.D. at the University of California at Davis. He first joined the ACS as a student affiliate in 1968 and has been a member of the Santa Clara Valley Section since moving to the South Bay in 1979. David served as Secretary, then Chair of the Santa Clara Valley Section.

**Statement:** Serving currently as Chair-

Elect and previously as Secretary and Chair of our Santa Clara Valley Section gives me a broad perspective of the local section and the workings and responsibilities of its Executive Committee. If elected as one of the Alternate Councilors, I will work to represent the interests of our members and local section to the national organization. I will also endeavor to communicate the needs and ideas of the national ACS to our members.

#### **Bruce Raby**

**Statement:** I have been a member of Santa Clara Valley Section for about 40 years and have served as secretary and chair in the past. My particular interests are concerned with education: National chemistry Week, Chemistry Olympiad, judging science fairs, career days, etc. I think the Section should explore the possibility of forming topical groups within the Section such as retired chemists, analytical chemists, consultants to high school chemistry teachers, public policy and news, and whatever other topics around which members would like to form groups.

#### **Ihab Darwish**

Ihab S. Darwish, PhD, is currently working as a senior scientist at Rigel Pharmaceuticals, Inc. in South San Francisco. He received his PhD in Organic Chemistry at Princeton University in 1991, and his BS degree at SUNY at Old Westbury in 1965. He has been a member of the ACS for 13 years and a Member of the Santa Clara Valley Section since 2002. Ihab has been nominated for the office of Alternate Councilor for a 3 year term.



# **VOTE**

# CHEMEMPLOYMENT ABSTRACTS SEPTEMBER 2005

## CHEMEMPLOYMENT ABSTRACT 3811

**Position Title:** Organic Chemist MS/BS  
**Job Description:** Versatile organic chemist sought for research and development work in a small startup company developing bioanalytical instrumentation systems. The majority of the work will be hands-on in the lab. The successful candidate will be responsible for: Preparation of small molecules, labeled proteins and peptides, and polymeric materials in support of research and development activities. Development and evaluation of new materials to enhance system performance.  
**QUALIFICATIONS DESIRED:**  
**Education:** MS/BS in organic chemistry or related discipline  
**Experience:** Knowledge or experience in some or all of the following areas: small molecule synthesis, polymer chemistry, conjugation chemistry, protein chemistry, dye chemistry, photochemistry, Solid skills in experimental design, execution, and data analysis are highly desirable. Industry experience is preferred.  
**LOCATION, SALARY, MAIL ADDRESS**  
**Job Location:** Palo Alto, CA  
**Salary:** Commensurate with experience  
**Employer Description:** Startup company developing bioanalytical instrumentation.  
**Application Instructions:** Candidates should forward their resume, along with a research summary describing selected projects relevant to the above qualifications, to hr@cellbiosciences.com, referencing job code CHEM-064 in the subject line.

## CHEMEMPLOYMENT ABSTRACT 3812

**Position Title:** Medicinal Chemistry Post-Doctoral Research Associate  
**Job Description:** Chemistry research and synthesize small organic molecules designed from our Medicinal Chemistry program; design synthetic routes to these target molecules and perform their syntheses to reach technical milestones; analyze biological data to determine structure-activity relationships and contribute to the design and optimization of lead molecules.  
**QUALIFICATIONS DESIRED:**  
**Education:** Ph.D. in synthetic organic chemistry or medicinal chemistry.  
**Experience:** Experience in multi-step organic synthesis, design & execution. Ability to solve medicinal/analytical & process chemistry challenges. Experience with purification techniques/analytical methods (HPLC, NMR, MS). Proficient in chemistry information resources, databases (SciFinder), etc. Previous experience in the discovery of small molecule therapy desirable.  
**LOCATION, SALARY, MAIL ADDRESS**  
**Job Location:** Palo Alto, California  
**Employer Description:** Anacor Pharmaceuticals is pioneering research into new classes of therapeutic agents for a variety of inflammatory and infectious diseases by leveraging a proprietary, small molecule chemical library. www.anacor.com  
**Application Instructions:** Candidates should submit their resume via email only to the following address, stating the position title in the subject line: jobs@anacor.com. Anacor is an EOE. No agencies or recruiters please

## CHEMEMPLOYMENT ABSTRACT 3813

**Position Title:** Medicinal Chemistry Research Associate  
**Job Description:** Conduct medicinal chemistry research and synthesize small organic molecules that have been designed from our Medicinal Chemistry program; design synthetic routes to these target molecules; analyze biological data to determine structure-activity relationships; design and optimization of lead molecules.  
**QUALIFICATIONS DESIRED:**  
**Education:** BS or MS in medicinal chemistry or related field (MS preferred)  
**Experience:** 3+ years Medical Chemistry research experience. Experience in multi-step organic synthesis, design & execution. Experience with purification techniques/analytical methods (HPLC, NMR, MS). Proficient in chemistry information resources, databases (including SciFinder), chemistry software, word processors and spreadsheets.  
**LOCATION, SALARY, MAIL ADDRESS**  
**Job Location:** Palo Alto, California  
**Employer Description:** Anacor Pharmaceuticals is pioneering research into new classes of therapeutic agents for a variety of inflammatory and infectious diseases by leveraging a proprietary, small molecule chemical library. www.anacor.com  
**Application Instructions:** Candidates should submit their resume via email only to the following address, stating the position title in the subject line: jobs@anacor.com. Anacor is an EOE. No recruiter or agency contact please

## CHEMEMPLOYMENT ABSTRACT 3814

**Position Title:** Core Technology Team Product Formulator  
**Job Description:** Specialty Product Lines including those sold for use in Railroad and Natural gas engines and Tractor Hydraulic Fluids.  
**QUALIFICATIONS DESIRED:**  
**Education:** Bachelors required, Master's preferred. In Chemistry or Chemical Engineering  
**Experience:** Contributes to team success & value diversity; knowledge of lubricating oils and additives used in the them; knowledge of chemistry and ability to apply it to formulate products for engine, hydraulic and transmission applications; analytical skills; communication skills; safety.  
**LOCATION, SALARY, AND MAIL ADDRESS**  
**Job Location:** Richmond, CA  
**Employer Description:** Chevron Oronite Company, a subsidiary of Chevron Corporation, is a leading developer, manufacturer and marketer of performance additives for fuels and lubricating oils. Please visit [http://www.chevron.com/oronite/about\\_oronite/](http://www.chevron.com/oronite/about_oronite/) for more information.

**Application Instructions:** To apply to or to learn more about this position, please go to [www.chevron.com/about/careers/](http://www.chevron.com/about/careers/) then look for "We're Hiring!" Click on "Search Jobs" to view Chevron job opportunities currently available. Individuals must follow the Chevron's process by applying online.

## CHEMEMPLOYMENT ABSTRACT 3815

**Position Title:** Organic Chemist, Ph.D.  
**Job Description:** Versatile organic chemist sought for research and development work in a small startup company developing bioanalytical instrumentation systems. The majority of the work will be hands-on in the lab. The successful candidate will be responsible for: -Preparation of small molecules and polymeric materials in support of research and development activities. -Development and evaluation of new materials to enhance system performance.  
**QUALIFICATIONS DESIRED:**  
**Education:** Ph.D. in organic chemistry or related discipline  
**Experience:** Knowledge or experience in some or all of the following areas: -polymer chemistry -photochemistry -small molecule synthesis -protein chemistry -dye chemistry -Solid skills in experimental design, execution, and data analysis are highly desirable. -Industry experience is preferred.  
**LOCATION, SALARY, MAIL ADDRESS:**  
**Job Location:** Palo Alto, CA  
**Salary:** Commensurate with experience.  
**Employer Description:** Startup company developing bioanalytical instrumentation systems.  
**Application Instructions:** Candidates should forward their resume, along with a research summary describing selected projects relevant to the above qualifications, to hr@cellbiosciences.com, referencing job code CM-031 in the subject line.

## CHEMEMPLOYMENT ABSTRACT 3816

**Position Title:** Scientist  
**Job Description:** With minimal supervision, defines problems, develops approaches, and performs physical characterization of materials to support product development activities. Develops, executes, and troubleshoots analytical methods for physical characterization at all phases of development.  
**QUALIFICATIONS DESIRED:**  
**Education:** Ph.D. in Pharmaceutical Sciences (or related field)  
**Experience:** 2 years experience after Ph.D. is required (post-doctoral work may serve as experience); exceptional non-Ph.D.s with demonstrated capabilities and/or significant experience might also be considered.  
**LOCATION, SALARY, MAIL ADDRESS:**  
**Job Location:** San Carlos, CA  
**Employer Description:** Nektar Therapeutics (pronounced nectar) provides a portfolio of leading drug delivery solutions that enable the development of high-value pharmaceutical products.  
**Application Instructions:** Job ID: 1678-331-R. To view a complete job description and to apply, please visit our Job Opportunities website at [www.nektar.com/jobs](http://www.nektar.com/jobs). When applying, please be sure to reference SCVACS.

## CHEMEMPLOYMENT ABSTRACT 3817

**Position Title:** Senior Applications Chemist  
**Job Description:** The Senior Applications Chemist will work closely with sales representatives, customers and R&D to identify applications relevant to the pharmaceutical & biopharmaceutical markets. The initial focus will be on a high throughput separations device.  
**QUALIFICATIONS DESIRED:**  
**Education:** Should have an MS or preferably a PhD in analytical chemistry, biochemistry, molecular biology or related field.  
**Experience:** 5 to 10 years of experience in applications development; expert in analytical techniques, specifically chromatographic separations, commonly used in pharmaceutical and bio-pharmaceutical companies; knowledge of the workflow and day-to-day activities in a drug discovery/development company; knowledge of current and emerging trends in high performance chromatographic separation applications.  
**LOCATION, SALARY, MAIL ADDRESS:**  
**Location:** Pasadena, California  
**Employer Description:** Nanostream is looking for dynamic professionals to join a multi-disciplinary team that is changing the world of biotechnology and genomics. We have developed a proprietary process to design and manufacture microfluidic devices more quickly and efficiently than previously possible. We are implementing real-world protocols in our devices and need help to speed this development.  
**Application Instructions:** Please send resumes to HR@nanostream.com

## CHEMEMPLOYMENT ABSTRACT 3818

**Position Title:** Staff Scientist (Analytical Chemist) SESB-5CHAB  
**Job Description:** Responsible for developing qualitative and quantitative chemical laboratory methodologies for high throughput screening. Also, maintaining analytical instrumentation, hands-on setting-up and debugging custom high-throughput screening hardware, engaging in data analysis and project assessment, conferring with research partners, and preparing technical papers and reports.  
**QUALIFICATIONS DESIRED:**  
**Education:** MS in Chemistry, Chemical Engineering, or related field.  
**Experience:** 3+ years experience in gas phase analysis, including GC, MS, FTIR. Experience with ICP\_OES and HPLC is a plus. Experience with gas-phase chemical reactors and analytical software packages. Excellent communications skills.  
**LOCATION, SALARY, MAIL ADDRESS:**  
**Job Location:** Sunnyvale, CA  
**Salary:** Competitive compensation and excellent benefits  
**Employer Description:** Symyx Technologies is the pioneer of high-throughput experimentation for the discovery of materials. The company has over 250 issued patents and over 400 patent applications worldwide.  
**Application Instructions:** Send resume to: [hrstaffing@symyx.com](mailto:hrstaffing@symyx.com). Look at the Company Web page at [www.symyx.com](http://www.symyx.com) for more details.

## CHEMEMPLOYMENT ABSTRACT 3819

**Position Title:** Chemical Engineer - SESB-6CHAB  
**Job Description:** Symyx Technologies needs a highly motivated and talented individual to join our team of Scientists and Engineers. This individual will be responsible for the development of new technologies & systems for the screening of materials.  
**QUALIFICATIONS DESIRED:**  
**Education:** MS in Chemical Engineering, or related field required, and a Ph.D. is desired.  
**Experience:** 5+ years of direct hands-on experience designing and analyzing novel devices in the areas of chemical instrumentation, micro-chemical reactors, micro-fluidic devices and MEMS sensors. Ability to work in a group, and individually, in a fast-paced environment. Excellent communications skills. Diverse set of skills and talents is a plus.  
**LOCATION, SALARY, MAIL ADDRESS:**  
**Job Location:** Sunnyvale, CA  
**Salary:** Competitive Salary & excellent benefits  
**Employer Description:** Symyx Technologies is the pioneer of high-throughput experimentation for the discovery of materials.  
**Application Instructions:** Send resume to: [hrstaffing@symyx.com](mailto:hrstaffing@symyx.com), (Put SESB-6CHAB in heading) Go to the company Web site at [www.symyx.com](http://www.symyx.com) for more information

## CHEMEMPLOYMENT ABSTRACT 3820

**Position Title:** Staff Scientist SNOK-2CHAB  
**Job Description:** Symyx Technologies is advancing sensors and instrumentation into the laboratory and process industries. The Sensor Business has an immediate need for someone who can contribute to the advancement of disruptive sensor technology within its research and development organization.  
**QUALIFICATIONS DESIRED:**  
**Education:** Masters or Ph.D. in Science, or a degree in Physics or Analytical Chemistry.  
**Experience:** 5+ years experience working as a Scientist. Strong, literate understanding of measurement science, signal processing and analytical instrumentation. Solid proficiency of mathematics  
**Experience in sensor, process instrumentation industry or related discipline** Experience transitioning R&D developments to engineering & manufacturing processes.  
**LOCATION, SALARY, MAIL ADDRESS:**  
**Job Location:** Sunnyvale, CA  
**Salary:** Competitive compensation and excellent benefits  
**Employer Description:** Symyx Technologies is the pioneer of high-throughput experimentation for the discovery of materials.  
**Application Instructions:** Send resume to: [hrstaffing@symyx.com](mailto:hrstaffing@symyx.com), (Put SNOK- 2CHAB in the heading). See the company Web site at [www.symyx.com](http://www.symyx.com) for more information.

## CHEMEMPLOYMENT ABSTRACT 3821

**Position Title:** Staff Scientist - Job Code DTJT-9CHAB  
**Job Description:** Join the Symyx Discovery Tools Chemistry group. This will involve hands-on work developing, implementing and supporting next generation high throughput workflows for the pharmaceutical and chemical industries.  
**QUALIFICATIONS DESIRED:**  
**Education:** Masters in Chemistry, Chemical Engineering or related field required, a Ph.D. desired.  
**Experience:** 2+ years of experience developing high throughput workflows. Experience in high throughput synthesis and screening. Ability to interact with multiple disciplines, across a number of fields, including engineering and software developers. Excellent written and verbal communications skills. Comfortable working independently and as part of a team. Able to travel as required, both domestically and internationally.  
**LOCATION, SALARY, MAIL ADDRESS:**  
**Job Location:** Sunnyvale, CA  
**Salary:** Competitive compensation and excellent benefits  
**Employer Description:** Symyx Technologies is the pioneer of high-throughput experimentation for the discovery of materials.  
**Application Instructions:** Send resume to: [hrstaffing@symyx.com](mailto:hrstaffing@symyx.com). (Please put Job Code DTJT-9CHAB in the subject)





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\_\_\_\_\_  
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Place  
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Membership No. \_\_\_\_\_

**Ballot**

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SANTA CLARA VALLEY SECTION AMERICAN CHEMICAL SOCIETY  
**Ballot for 2006**

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|---|--|--------------------------------------|---|---|
| <input type="checkbox"/> George Lechner | <input type="checkbox"/> Karl Marhenke | <input type="checkbox"/> Herb Silber | <input type="checkbox"/> Abby Kennedy         | <input type="checkbox"/> David Parker                   |
| <input type="checkbox"/> _____          | <input type="checkbox"/> _____         | <input type="checkbox"/> _____       | <input type="checkbox"/> Jack Riley           | <input type="checkbox"/> Bruce Raby                     |
|   |  |                                      | <input type="checkbox"/> Ean Warren           | <input type="checkbox"/> Ihab Darwish                   |
|   |  |                                      | <input type="checkbox"/> _____                | <input type="checkbox"/> _____                          |

Ballot must be received by **October 21, 2005** to be counted.  
Your **membership number** should be in the return address.

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## SANTA CLARA VALLEY SECTION

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### Councilors

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Director: **Shirley B. Radding** 408-246-2564 sbradding@sbcglobal.net

## FUTURE MEETINGS

**Sep 22** Section Dinner Meeting  
Dr. Seth Shostak  
Santa Clara, CA

**Oct 8** The Joy of Toys, NCW  
Pez Museum  
Burlingame, CA

**Oct 15** David Katz – KABOOM!  
Chemistry Demo  
Cupertino, CA

**Oct 22** The Joy of Toys, NCW  
Klutz Store Demonstration  
Palo Alto, CA

**Oct 17-19** ACS ProSpectives  
Advances in Structure-Based  
Drug Discovery  
Philadelphia, PA

**Nov 17** Monthly Dinner Meeting

**Dec 15-20** PacifiChem 2005  
Honolulu, HA



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### SEPTEMBER 2005 NEWSLETTER TOPICS:

Chair's Message  
September Dinner Reminder  
National Chemistry Week Activities  
Help Recognize the Birth of Genetic Engineering  
ACS Releases 2004 Annual Report  
Creating and Updating Your Account at chemistry.org  
Become a Student Interview Coach

### CHEMEMPLOYMENT ABSTRACTS

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