

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 33 No. 8

AUGUST 2011 NEWSLETTER TOPICS

- When the Flowing Gets Tough, Rheology Gets Things Moving
- September Dinner Meeting
- Chair's Message
- Science Educators: Win a BUBBLE Grant!
- 2011 Ottenberg Award Presented to Abby Kennedy
- New Members List for July
- Friedrich August Kekulé
- Malta Conferences Foundation Established
- Call for Nomination for Two Awards
- Highlights of the Annual Family Picnic and Awards Ceremony, July 9th
- Chememployment Abstracts

September Dinner Meeting

When the Flowing Gets Tough, Rheology Gets Things Moving

Dr. Gerald Fuller

Abstract

Complex fluids surround us and are essential to living systems, processing of materials, foods, and personal products. The complexity of their microstructure leads to very nonlinear flow responses and the science of rheology attempts to describe and predict this behavior. This presentation will introduce research in the laboratory of Professor Fuller that examines a variety of rheological problems connected with non-Newtonian fluid interfacial behavior. Two



examples that will be explored in detail concern the rinsing with complex liquids to clean solid substrates and the stability of the tear film of the eye. The presentation will also highlight the work of Ms. Alison Logia, a high school intern in the laboratory, who is exploring droplets

of one miscible liquid impacting a reservoir of a second liquid.



Alison Logia and Gerald Fuller hard at work

September Dinner Meeting

Date: Thursday, September 15th, 2011**Time:** 6:30 Dinner
8:00 Presentation**Location:** Stanford Chemistry
Engineering Department
Gazebo (directions on
SCV-ACS website)**Speaker:** *Dr. Gerald Fuller*, Professor,
Stanford Chemical Engineering
Department; *Alison Logia*,
Project SEED summer intern
When the Flowing Gets Tough,
Rheology Gets Things Moving**Cost:** Dinner Menu and price to be
determined**Reservations:** www.scvacs.org
Sally Peters 650-812-4994

Reservations MUST be made by Monday, September 12th, stating your name, address, company affiliation, number of people in party. Watch the web site for more information. If you are unable to honor your reservation and do not cancel by Tuesday, September 13th, you will be invoiced following the dinner meeting.

Chair's Message

Congratulations SCV-ACS! Our section recently learned that we have been selected as a finalist for a ChemLuminary Award in the category of Outstanding Teacher Program. You may be thinking, this is just an annual award given during the fall National ACS meeting at a swanky and fun dance party. Yes, that's true...but, it's much more than that! It's a nod to the success of our great 2010 Teach the Teacher Workshop. Many volunteers and teachers were involved in making it a productive and worthwhile workshop. The energy and hard work of the workshop participants will ultimately trickle down to the science students in our area. At a time when school budgets are being cut,

*continued on next page*

Chair's Message, continued from front page

teacher training in the sciences is a critical area in which we can help!

So if you're headed to the National meeting in Denver, I hope you can make it to this celebration to cheer on our Section on Tuesday, August 30th at the Sheraton Denver Downtown Hotel! I hope to report back to you in September that we were ultimately chosen as the winner, but in the meantime, as Hollywood A-listers will tell you...it is an honor just to be nominated!

Speaking of ChemLuminaries, ever since I first attended an award ceremony a few years ago, I have had my eye on one of those beautiful crystal tear-drop trophies in honor of a National Chemistry Week event. As your local NCW Coordinator, I would love to have your feedback and help with this goal. Some of the categories include:

- Outstanding Community Involvement in NCW
- Outstanding Event for the General Public Using the Yearly NCW Theme
- Outstanding NCW Event for a Specific Audience
- Best High School NCW Event
- Best Student Chapter NCW Event
- Outstanding On-going NCW Event
- Outstanding Industrial Involvement in NCW
- Most Original NCW Hands-On Activity or Chemical Demonstration

Email me or log onto Facebook to share your best NCW ideas...search for Santa Clara Valley ACS and click on "Like" to have the discussions stream directed to you. We're already getting rolling with NCW 2011 planning, with a Festival Chimica in the works as part of the SACNAS 2011 Meeting in San Jose

(Society for the Advancement of Chicanos and Native Americans in Science). We'll be rounding up volunteers for this exciting event later this fall, so stay tuned!



Science Educators: Win a BUBBLE Grant!

Submission Guidelines

The Santa Clara Valley Section of the American Chemical Society wants to provide elementary and secondary school educators with tools they can use to revitalize science programs. The section is pleased to announce a call for proposals from K-12 science teachers to apply for an inaugural BUBBLE grant of up to \$500 for worthwhile science projects. Grants will be awarded for projects that enhance the teaching of physical, life or earth science. This grant program will consider funding of amounts requested in a proposal, but reserves the right to fund some proposals partially. Budget items may include, but are not limited to, scientific equipment, instructional materials, and supplies related to the proposed project.

Project Description

The proposals should total no more than two pages (700 words or less) and

should include the following items:

- An explanation of the project and/or specific learning activities
- Targeted student population
- Expected outcome
- Effective evaluation methods to measure achievement
- Grant amount requested (up to \$500)
- Specific use of the funds
- Brief description of the school and how this grant would be beneficial, including information that demonstrates financial need (200 words or less)
- Contact person for proposal (name, school affiliation, phone, e-mail)

Timeline

The 2011 grant program is now open for applications. The deadline for submission of all proposals is Monday, August 15, 2011. The winners will be announced and contacted by e-mail after Thursday, September 1,

2011.

Proposal Evaluation

A panel of professional scientists who are members of the American Chemical Society will score all applications on the basis of innovative ideas, plans for implementation and financial need.

Grant Terms and Conditions

Schools must be state-accredited and have 50 or more students. Only one application per school is allowed. The grant application must be submitted by an employee of the school who is 18 years of age or older. The winners are expected to submit a summary report for dissemination.

All applications must be submitted electronically in either a Word or Adobe PDF file and sent by e-mail to BUBBLE_Grant@scvac.org.



Photos furnished by Dr. Joseph Castellano



2011 Ottenberg Award Presented to Abby Kennedy

This year's Ottenberg was presented to Abby Kennedy at the Annual SCV Awards Picnic at Stanford University.

She is being recognized for her outstanding service to the Santa Clara Valley Section as a Councilor since 2006, as Chair-Elect in 2010, and for her current service as Chair. As Chair, she has been innovative in finding new venues for our meetings with outstanding speakers. In addition, as National Chemistry Week Chair, she has organized a number of creative events for children.

The Ottenberg Service Award was established in 1973 by the Santa Clara Valley Section to recognize members who have rendered outstanding service to the Section. It is named after Abraham Ottenberg, a former member who devoted much of himself to the Section. The award consists of an engraved plaque and an honorarium of two hundred fifty dollars. Candidates are selected from nominations made to the Ottenberg Award Committee in the spring. The nominators and nominees must be members of the Section.

Previous recipients of the Ottenberg Service Award are: Shirley B. Radding (1974), Oliver F. Senn (1975), Floyd M. Hobbs (1976), Frank R. Mayo (1977), Harry S. Mosher (1978), Lois J. Durham (1979), Richard W. Gaver (1980), Alan C. Ling (1982), Ludwig G. Mayer and John F. Riley (1983), Howard M. Peters (1984), June Jones



Photo by Natalie McClure with Lois' camera

and Robert Montoya (1986), Malcolm Dole (1987), Donald E. Green (1991), Hubert E. Dubb (1992), Karl Marhenke (1993), Stephen N. Senzer (1994), Carol W. Mosher (1995), Bonnie Charpentier (1998), Linda Brunauer (1999), Herbert B. Silber (2000), Sally Peters (2001), Jamil Talhouk (2002), Ean Warren (2003), Maureen Scharberg (2004),

Hong Gao (2005), George Lechner (2006), David Parker (2007), Bruce Raby (2008), and Peter Rusch (2009), and Stephanie Gehling (2010). No awards were given in 1981, 85, 88, 89, 90, 96, or 97.

Respectfully submitted,
Lois Durham, Chair
Ottenberg Award Committee

Welcome to the Santa Clara Valley Section of ACS

Each month the section receives a spreadsheet from national ACS with the names of members new to our section. The members are either new to ACS, have transferred in from other areas, or are the newest members -- students. To welcome you to the section and get to know you, the Executive Committee offers new members a free dinner!! To encourage you to attend a monthly section dinner meeting, we would like you to be our guest. When you register, make certain to mention that you are a new member and you and a spouse (or friend) will be our

guests. The dinner meetings are often the 3rd Thursday of the month at a local spot, somewhat convenient to the entire section. If you are unable to attend in the evening, perhaps you would join us for an outreach event, like judging a science fair, participating in the Chemistry Olympiad, or a National Chemistry Week event in October. Then, there is our annual wine tasting and awards picnic in July. The local section is a volunteer organization. Please attend an event, volunteer to help, and get to know your local fellow chemists. Welcome!!

New Members List for July

Lisa Altieri
Kimiya Bahmanyar
Dr. Andrea Baldi
Dr. Leo Bonilla
Richard Brose
Liang Cao
Michael Chang
Dr. Kenneth Hamilton Coale
William Andrew Cody
Terrie Davis
Karen Dehnert
Alison Donnelly
Mark Early
Madalee Gassaway
Julius Glater

Rob Holcomb
Charles Z. Hotz
Theresa Humphries
Dr. Wei Jiang
Dr. Yousif Kharaka
Sheng-Chin Kung
Ka Yiu Alice Kwan
Gloria S. Lee
Dr. An Rong Li
Emily Lin
Xinxing Liu
Steve F. Massah
Sharon Mathys
Clayton E. Mauldin
Dr. Iain J. McFadyen

Gail J. Nakano
Julie Newdoll
Kimberly Nguyen
Gregory K. Pang
Dr. David V. Partyka
Russell C. Pratt
Keshab Sarma
Rebecca Stamm
Lilit Stepanyan
Dr. Grace Stokes
Dr. Benjamin R. Taft
Dr. Shenliang Wang
Zezhou Wang
Dr. Samuel Zalipsky

 **DELSEN** SPECIALISTS IN TESTING
Testing Laboratories, Inc. **ADVANCED COMPOSITES**

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

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



888-433-5736



NDE Analytical

Expert analytical services

- FTIR, FTIR Microscope, FT-Raman
- HPLC/GPC (MS, PDA, RI, RALLS)
- GC/MS, LC/MS (routine and custom)
- UV-Vis, NIR, Fluorescence spectroscopy
- XRF-EDX (Elemental Analysis)
- Contamination, Failure Analysis
- Polymer Characterization

info@ndeanalytical.com Tel: 925-485-0080
www.ndeanalytical.com

Friedrich August Kekulé

(1829-1896)

Because August doesn't appear to be a month where a specific group of people are honored, the SCV Newsletter would like to instead honor a famous chemist with August in his name. Below is a short biography of Friedrich AUGUST Kekulé.

Friedrich August Kekulé was born on September 7, 1829, in Darmstadt, Hesse (later part of Germany). He showed an early aptitude for both languages and drawing and wanted to be an architect. He began his architecture studies at the University of Geissen in 1847, but after attending the lectures of the famous chemist Justus von Liebig he switched to chemistry. Kekulé had great interest in the theoretical aspects of chemistry, and less in the more practical applications that so interested von Liebig. On von Liebig's advice, Kekulé went to Paris in 1851 to further his chemical studies.

When he began his studies, the atomic structure of materials was unknown and considered virtually unknowable. Looking at chemistry from an amateur architect's perspective, in 1855, Kekulé conceived of a revolutionary new theory of chemical structure, that atoms could combine with other atoms to form chains and that close observation of reaction products could yield new information about atomic structure.

Kekulé returned to Germany in 1852, obtained his doctoral degree at Geissen in that year, and then spent a year working in Switzerland. This was followed by two years in London (1853-1855), where he met the chemist, Alexander Williamson. Williamson had extended Charles Gerhardt's "type theories" to explain how ethers could be derived from the water type. Kekulé, with Williamson's encouragement, extended type theory further and introduced a new type—the methane or marsh gas type. This led to the development of the tetravalent model of carbon and the understanding that carbon forms rings and chains.

Kekulé's principal insight was to realize that type theory did not take into account the specific combining power (or valences) of specific atoms. In 1857,

Kekulé suggested that carbon was tetravalent, his suggestion based on the specific chemistries of the compounds that carbon formed with elements such as hydrogen (CH_4) and chlorine (CCl_4). Kekulé extended his ideas in the following year by suggesting that two carbon atoms bonded together in the formation of hydrocarbons such as ethane (C_2H_6). Similarly, additional carbon and hydrogen units could be added, extending the carbon atom chain and forming an ordered series. A similar structural theory was developed independently at around the same time by the Scottish chemist Archibald Scott Couper, working in the laboratory of Adolphe Wurtz in Paris. Publication of Couper's paper was delayed by Wurtz (until Kekulé's had appeared) and the structural theory of organic chemistry is really a culmination of the efforts of Kekulé and Couper.

In 1859, Kekulé started to use graphical representations of organic molecules, in part to emphasize the tetravalent nature of carbon atoms and their ability to form chains. He then turned his attention to the structure of benzene (C_6H_6), a compound with unusual properties that could not be explained by any theories of the day.

Kekulé proposed in 1865 that benzene had a structure in which six carbon atoms formed a ring, with alternating single and double bonds. However, the chemistry of benzene was not always consistent with this structural formula. (All of the carbon atoms in a benzene molecule were equal and equivalent in terms of the reactions of benzene.) To overcome this problem, Kekulé suggested in 1872 that there were two forms of benzene, in dynamic equilibrium. Kekulé's dynamical theory proved to be only partially correct. In 1933, Linus Pauling used quantum mechanics to explain more fully the nature of benzene.

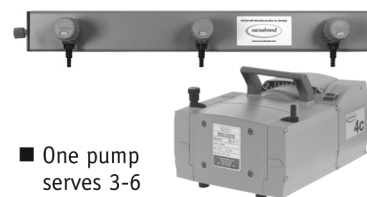
On March 11, 1890, on the occasion of the twenty-fifth anniversary of his announcement of his benzene theory, Kekulé gave a speech in Berlin in which he revealed that both his structural theories and the structure of benzene were revealed to him in dreams. Scholars have

tended to dismiss his account of his own creative processes and have placed more stock in the early training that Kekulé received in architecture as the key to his inspiration.

He was ennobled by Kaiser Wilhelm in 1895, becoming August Kekulé von Stradonitz. In 1876, he was struck with measles, and though he lived another twenty years he never recovered his health and conducted no further significant scientific work. He died in 1896, several years before the Nobel Prizes were first awarded, but his students Jacobus H. van 't Hoff and Emil Fischer were the first two Nobel laureates in Chemistry. His son, Stephan Kekulé von Stradonitz, was a well-respected genealogist who devised a system of enumerating ancestors which is still used.

Instant Vacuum Capacity

The VACUU • LAN®
Mini-Network



- One pump serves 3-6 users
- Cross-talk protection
- No construction/installation
- Upgradeable to electronic vacuum control at each port

Simple filtration to demanding evaporations

Details at www.vacuu-lan.com



Five Decades of
Vacuum Innovation

www.vacuubrand.com

info@vacuubrand.net 888-882-6730

Malta Conferences Foundation Established

The Malta Conferences Foundation (MCF) is a non-profit organization created to raise funds for the support of the biennial Malta Conferences, "Frontiers of Chemical Science: Research and Education in the Middle East". These were established with the aim of using science as diplomacy toward establishing a bridge to peace, tolerance, and understanding among the nations of the Middle East.

The Conferences, so-called because the first two (Malta I and II) were held on the Mediterranean island of Malta in 2003 and 2005, have, more recently, been held in Istanbul, Turkey (Malta III) and Amman, Jordan (Malta IV), in 2007 and 2009, respectively. In December 2011, Malta V will take place at UNESCO headquarters in Paris, France, as one of the culminating events of the UN-designated International

Year of Chemistry (IYC).

The Malta Conferences have brought together eminent scientists and science educators from nations of the Middle East, many of whom cannot otherwise meet face-to-face because their governments are hostile to each other, in order to exchange information and discuss collaboration and cooperation. Progress from the four Conferences already held, can be measured in terms of the creation of a working group on Regional Water Quality Assessment with members from Jordan, Palestinian Authority, Israel, Egypt, Kuwait, Syria, and Lebanon (with advisors from the U.S. and European Union), multinational collaborative research projects on solar energy conversion and storage, and regional workshops on science curricula, laboratory materials, green chemistry, and chemical safety and security.

In all cases, the Conferences are characterized by plenary lectures by Nobel Laureates (e.g., Aaron Ciechanover, Dudley Herschbach, Claude Cohen-Tannoudji, Richard Ernst, Robert Grubbs, Walter Kohn, Roald Hoffmann, Yuan Tseh Lee, Sherwood Rowland, Jean-Marie Lehn, Rudolph Marcus, and others), workshops on topics of importance in the Middle East (e.g., alternative energy sources, nanoscience and technology, medicinal chemistry, natural products, air and water environmental resources, and science education at all levels), and poster

sessions at which the approximately 90 participants can display the results of their scholarly activities in an open and collegial forum.

The MCF officers, Dr. Zafra Lerman (President), Dr. Ann Nalley (Vice-President), Dr. Paul Walter (Vice-President), Dr. Howard Peters (Secretary), and Dr. Morton Hoffman (Treasurer), are part of the Board of Directors of this Section 501(c)(3) tax-exempt organization. MCF is dedicated to obtain funding to support Malta V and future Conferences from private and governmental agencies, foundations, scientific societies, and individual and corporate contributors. Details about making a tax-deductible contribution can be found on the MCF website:

www.maltaconferencesfoundation.org



A BUCHI for every budget!

BUCHI



The Rotavapor® R-3 provides a value-priced high-quality BUCHI alternative to unreliable imitation brands for cost-conscious customers. Now, there is no longer a reason to compromise quality, safety, or peace of mind when choosing a rotary evaporator – **there is a Buchi for every budget!**

BUCHI Corporation

1-877-MYBUCHI or visit www.mybuch.com

Quality in your hands

Call for Nominations for Two Awards

We would like to announce a call for nominations for two important awards that will be given out at the Western Regional Meeting held on November 10-12th, 2011, in Pasadena—specifically, the High School Teacher of the Year Award, and The Ann Nalley Award. The Southern California Section is collecting the nominations for these awards and would like everyone to know that there has been an extension on the deadline. Both are now due by September 16th.

To download the nomination forms for the Ann Nalley Award and the High School Teacher of the Year Award please visit the SCV ACS website (www.scvacs.org/Local_Folder/WRM_Awards.html). A brief description of each award can be found below. Please send your nomination packages to Nancy Paradiso (office@scalacs.org) via email by September 16th.

Award for Excellence in High School Teaching

Purpose: To recognize, encourage, and stimulate outstanding teachers of high school chemistry in the Western Region. The Western Region of the ACS consists of the California, California Los Padres, Central Arizona, Mojave Desert, Orange County, Sacramento, San Diego, San Geronio, San Joaquin Valley, Santa Clara Valley, Southern Arizona, Southern California, and Southern Nevada Local Sections.

Nature: The Region Award consists of a \$1,000 cash award and a plaque. Reasonable travel expenses to the Regional Meeting at which the award will be presented will be reimbursed.

Rules of Eligibility: Any individual, except a member of the award selection committee or currently enrolled student of the nominee, may submit one nomination or support form in any given year. The nominee must be actively engaged in the teaching of chemistry or a chemical science in a high school (grades 9-12) on at least a half-time basis. The nomination should clearly demonstrate as many of the fol-

lowing attributes as possible:

- The quality of the nominee's teaching; unusually effective methods of presentation should be emphasized;
- The nominee's ability to challenge and inspire students;
- Extracurricular work in chemistry or a chemical science by the nominee, including science fairs, science clubs, and activities that stimulate the interest of young people in chemistry and related sciences;
- A willingness to keep up-to-date in the field, as evidenced by the pursuit of a higher degree in chemistry or a chemical science, enrollment in refresher courses and summer institutes, regular attendance at scientific meetings, membership in professional organizations, and other means of self-improvement;
- Evidence of leadership and/or active involvement within the profession.

E. Ann Nalley Award for Volunteer Service

Purpose: To recognize the volunteer efforts of individuals who have served the American Chemical Society, contributing significantly to the goals and objectives of the Society through their Regional Activities.

Nature: The award consists of a plaque honoring the recipient with an imbedded medallion commemorating Dr. Nalley.

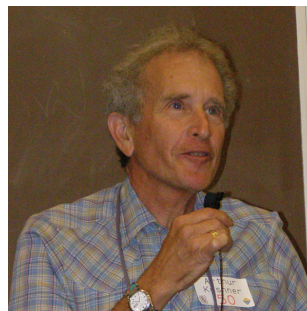
Rules of Eligibility: A nominee must be a member of the American Chemical Society residing in a local section within the region, and will have made significant contributions to their Region of the American Chemical Society. The volunteerism to be recognized may include a variety of activities, including but not limited to the initiation or sponsorship of a singular endeavor or exemplary leadership in the region. Past and present members of the ACS Board of Directors and staff are ineligible for this award.

Highlights of the Annual Family Picnic and Awards Ceremony, July 9th

Photos Courtesy of Lois Durham



Carol A. Duane receiving Shirley B. Radding Award from Peter Rusch



Arthur S. Kushner

60-year members



Martin Liberman

65-year member



Howard W. Shutz

70-year members



T. H. Geballe



I. J. Wilk

CHEMPLOYMENT ABSTRACTS AUGUST 2011

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

CHEMPLOYMENT ABSTRACT 3962

Position Title: Pharmaceutical Formulation and Process Scientist

Job Description: Bend Research is seeking an experienced Pharmaceutical Scientist to perform research and development on pharmaceutical formulation, process-development, and scale-up projects. Technology transfer and associated support of manufacturing in a clinical cGMP environment will be required as projects advance.

QUALIFICATIONS DESIRED:

Education: B.S., M.S. or Ph.D. - Pharmaceutics or Engineering

Experience: 7 to 15 years of hands-on experience in immediate-release and controlled-release solid-dosage-form formulation, process development, and scale-up. Strong understanding of unit operations, fundamental drug-delivery and process theories, physical chemistry, diffusion, oral absorption, biopharmaceutics, and pharmacokinetics is required.

LOCATION, SALARY, EMPLOYER:

Job Location: Bend (population 80,000) in Central Oregon

Salary: DOE

Employer: Bend Research is a growing, multidisciplinary contract research, development and manufacturing company specializing in improving health. Bend Research is the industry leader in difficult formulations.

Application Instructions: Please email resume to: hr@bendres.com

CHEMPLOYMENT ABSTRACT 3963

Position Title: Senior Scientific Manager, Analytical Chemistry

Job Description: The candidate will be responsible for supporting drug discovery and drug development projects in oncology, immunology, and neurology. The head of analytical chemistry will set strategic and scientific directions for discovery analytical chemistry and would be a member of the chemistry senior staff and chemistry executive leadership team. The position reports directly to the head of the Discovery Chemistry Department.

QUALIFICATIONS DESIRED:

Education: Applicants should have a PhD in Analytical Chemistry

Experience: The candidate must have at least ten years of experience in Drug Discovery Chemistry. The candidate must have a successful and significant managerial record of at least five years, preferably including the management of PhD-level scientists, and the demonstrated ability to motivate others and maintain staff enthusiasm.

LOCATION, SALARY, EMPLOYER:

Job Location: South San Francisco, CA

Employer: We're passionate and rigorous about our science. For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using innovative science to develop breakthrough medicines that improve the lives of people with serious or life-threatening diseases.

Application Instructions: Join us as we continue to tackle medicine's most challenging problems and live a life inspired. To apply for this job, visit <https://roche.taleo.net/careersection/test/jobapply.ftl?lang=en&job=00376951&src=JB-12940>.

CHEMPLOYMENT ABSTRACT 3964

Position Title: Scientist/Senior Scientist - Process Chemistry

Job Description: The Scientist/Senior Scientist is responsible for developing IND enabling chemistry in support of FIM and phase I/II studies. Duties also include early phase production routes appropriate for the kilogram scale as well as mid-phase processes with a line-of-sight towards eventual manufacturing processes. A major part of the role of the incumbent is to maintain a high level scientific profile both internally and externally.

QUALIFICATIONS DESIRED:

Education: This position requires a PhD and/or postdoctoral

Experience: The candidate must have one to five years of industry experience and an outstanding record of innovation and success in multiple projects over the course of their graduate/post-doctoral/industrial career with a sustained publication record. Candidates with over nine years of experience and significant industry accomplishments in terms of marketed products/industrial innovation will be considered for the Senior Scientist role.

LOCATION, SALARY, EMPLOYER:

Job Location: South San Francisco, CA

Employer: We're passionate and rigorous about our science. For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using innovative science to develop breakthrough medicines that improve the lives of people with serious or life-threatening diseases.

Application Instructions: Join us as we continue to tackle medicine's most challenging problems and live a life inspired. To apply for this job, visit <https://roche.taleo.net/careersection/test/jobapply.ftl?lang=en&job=00376880&src=JB-11480>.

EOE

CHEMPLOYMENT ABSTRACT 3965

Position Title: Assistant Professor of Biophysical Chemistry (tenure-track)

Job Description: The successful candidate is expected to establish an externally-funded and productive undergraduate research program in experimental biophysical chemistry, contribute to departmental research and teaching objectives, and demonstrate the ability to effectively teach physical chemistry and general chemistry (for details visit www.scu.edu/hr/careers/faculty.cfm)

QUALIFICATIONS DESIRED:

Education: Ph.D. in Physical Chemistry, Biophysical Chemistry, or closely allied field.

Experience: Postdoctoral experience in physical chemistry, biophysical chemistry, or closely allied field is strongly preferred. College teaching experience is highly desirable, and experience in teaching a diverse student population is preferred.

LOCATION, SALARY, EMPLOYER:

Job Location: Santa Clara, CA

Salary: Competitive, depending upon experience.

Employer: Santa Clara University, a highly-ranked Jesuit, Catholic institution with an ACS-approved undergraduate program and a housing program, is an EO/AA employer committed to excellence through diversity.

Application Instructions: All materials should be sent in electronic form (Word and/or PDF format) to ChemApp@scu.edu. For specific information about required application materials, visit www.scu.edu/hr/careers/faculty.cfm or <http://www.scu.edu/cas/chemistry/Job-Opportunities.cfm>



SANTA CLARA VALLEY SECTION
AMERICAN CHEMICAL SOCIETY
P.O. Box 395, Palo Alto, CA 94302

Visit our web site at:



<http://www.scvacs.org>

To receive an email when our newsletter
is published on our web site, sign up at:
<http://www.scvacs.org/newsletter/>

SANTA CLARA VALLEY SECTION

2011 Section Officers

Chair	Abby Kennedy	209-640-2005	akennedycali2007@yahoo.com
Chair-Elect	Natalie McClure	650-906-7831	nmclure@drugregulatoryaffairs.com
Past Chair	Bruce Raby	408-294-6718	bruceraby@att.net
Secretary	Karl Marhenke	831-688-4959	karlmar@armory.com
Treasurer	Ihab Darwish	650-594-1654	darwishis@yahoo.com

Councilors

2009-2011	Abby Kennedy	209-640-2005	akennedycali2007@yahoo.com
2009-2011	Howard Peters	650-854-4614	peters4pa@sbcglobal.net
2009-2011	Ean Warren	650-329-4554	ewarren@scvacs.org
2010-2012	Linda Brunauer	408-554-6947	lbrunauer@scu.edu
2010-2012	Sally Peters	650-812-4994	Sally.Peters@parc.com
2010-2012	Peter Rusch	650-961-8120	pfrusch@aol.com
2011-2013	George Lechner	408-226-7262	glechner@aol.com
2011-2013	Herb Silber	408-924-4954	hbsilber@science.sjsu.edu

Alternate Councilors

2009-2011	Ihab Darwish	650-594-1654	darwishis@yahoo.com
2009-2011	David Parker	408-615-4961	dparker@santaclaraca.gov
2009-2011	Bruce Raby	408-294-6718	bruceraby@att.net
2010-2012	Lois Durham	650-322-3507	ldurham9398@sbcglobal.net
2010-2012	Natalie McClure	650-906-7831	nmclure@drugregulatoryaffairs.com
2010-2012	Stephanie Gehling	408-429-9681	s_gehling@hotmail.com
2011-2013	Mark Kent	408-736-0989	markkent@yahoo.com
2011-2013	Harry Ungar	831-708-2049	haungar@cruzio.com

Public Relations

Robert Glemmo 484-919-2548 (cell) rglemmo@aol.com

Newsletter

Editor **Aaron Novack** 510-293-8111 aaronnovack@yahoo.com

ChemPloyment Abstracts

Director **Charles Sullivan** 650-728-7034 cdansullivan@sbcglobal.net

FUTURE MEETINGS

- Aug 28-Sep 1** Fall National Meeting
and Exposition
Denver, CO
- Sep 15** Monthly Dinner Meeting
Dr. Gerald Fuller, Professor,
Department of Chemical
Engineering, Stanford University
Gazebo
When the Flowing Gets Tough,
Rheology Gets Things Moving
- Oct 8** Johnson Symposium
Department of Chemistry
Stanford University
www.stanford.edu/dept/chemistry/events
- Oct 27-30** SACNAS National Conference
San Jose, CA
<http://sacnas.org>
- Nov 10-12** Western Regional Meeting
(WRM 2011)
Pasadena, CA
www.wrmacs.org/index.html