## Newsletter



Santa Clara Valley Section

**American Chemical Society** Volume 39 No. 7

### JULY 2017 NEWSLETTER TOPICS

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## Connect with Chemists

An early morning chat with fellow chemists Thursday, July 20, 2017, at 7 a.m. Coupa Café 538 Ramona Street, Palo Alto Look for Ean at a table with an ACS card.

### 2017 Shirley B. Radding Awardee Dr. Gary D. Christian

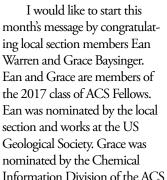
The Radding Award was established in 1994 by our ACS section to recognize demonstrated, dedicated, unselfish leadership, service, and significant contributions, over a sustained period of time, to industrial or applied chemistry and to the American Chemical Society at local, regional

and national levels. 2017 awardee Gary D. Christian was a research analytical chemist at the Walter Reed Army Institute of Research from 1961 to 1967. He joined the University of Kentucky in 1967 and in 1972 moved to the University of Washington, where he was Divisional Dean of Sciences, 1993-2001. He became Professor Emeritus in 2006.

He is the author of more than 300 papers, and has authored books on: Analytical Chemistry; Instrumental Analysis; Atomic Absorption Spectroscopy; Trace Analysis; Problem Solving in Analytical Chemistry; and

# **Chair's Message**

**Todd Eberspacher** 



Information Division of the ACS and is a Librarian at Stanford University.

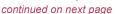
Also news worthy is a successful application for a Local Section Bridging-the-Gap Mini Grant. This grant was awarded to the local section to assist with membership for



student members. The Annual Awards Picnic will be held on July 8 at Stanford University in the newly remodeled Science Teaching and Learning Center aka Old Chem. At this meeting we honor the award winners and our 50-, 60-, and 70-year members. Please mark your calendars and plan to bring

the family. As usual we will be having a catered BBQ dinner and wine tasting.

The awards picnic marks the midpoint of the year for SCVACS social and meeting events. The Program Committee has begun



Quantitative Calculations in Pharmaceutical Practice and Research. He has been Editor-in-Chief of Talanta since 1989.

His service to the ACS includes Chairman of the ACS Division of Analytical Chemistry, Puget Sound Section Chair, Councilor for the Lexington,

KY, and Puget Sound sections, ACS lecture tours, and ACS awards committees. His awards include the ACS Fisher Award in Analytical Chemistry and the ACS Division of Analytical Chemistry Award for Excellence in Teaching. He is an ACS Fellow. He was named to the 2013 Power List, the 100 Most Influential Analytical Scientists in the World, The Analytical Scientist.

### Some ACS highlights:

Served as:

- Puget Sound Section Chair (1982-1983), host of 185th national ACS meeting
- Councilor Lexington, KY, Section (1971-1972); Puget Sound Section (2006present)
- Chair ACS Division of Analytical Chemistry (1989-1990)
- ACS Lecture Tours (2009-2011)
- Numerous ACS awards committees
- 1992 International Chemistry Olympiad (Scientific Board)

### ACS Awards:

- ACS Division of Analytical Chemistry Award for Excellence in Teaching (1988)
- ACS Fisher Award in Analytical Chemistry (1996)
- ACS Fellow (2014)

### Career Highlights:

- B.S., University of Oregon (1959)
- Ph.D., University of Maryland (1964)
- Walter Reed Army Institute of Research (1961 - 1967)
- University of Kentucky (1967-1972) continued on next page

### Radding Awardee, continued from front page

- University of Washington (1972-2006, Professor Emeritus 2006) (Divisional Dean of Sciences, 1993-2001)
- Editor-in-Chief, Talanta (1989-present)
- Textbook "Analytical Chemistry", 7th Edition 2013 (Wiley)
- 2013 Power List, the 100 Most Influential Analytical Scientists in the World, The Analytical Scientist

## ACS Book Club

The Santa Clara Valley ACS Section is starting a book club. We will read and discuss books at the intersection of science, society, politics, history, law, art, etc. The goal is to foster interest in science beyond research and learn more about society's issues. In addition, we hope the book club encourages people to meet and talk and possibly become more involved in their community. We plan to have the book club one Saturday for a couple of hours in September or October at a Stanford University library.

Our first step is to identify a book. Here is where you can help! Have you read a good book? Some suggestions are "Pandora's Lab: Seven Stories of Science Gone Wrong," "The Immortal Life of Henrietta Lacks," and "The Invention of Nature: Alexander von Humboldt's New World."

Let me know what you think: Which book would you recommend and would you be interested in participating? Email me (Ean Warren) at *ewarren@scvacs.org*.

# **Chemistry Quiz**

The final four remaining elements in the seventh period of the periodic table have been discovered. Where were elements 113, 115, 117 and 118 discovered?

Last Month's Chemistry Quiz In the Santa Clara Valley in 2015, which two air pollutants exceeded the EPA's National Air Quality Standards most frequently?

The *Bay Area Air Quality Management District (BAAQMD)* annual reports for 2015 show the most frequent pollutants to surpass federal or state standards are ozone and fine particulate matter (PM<sub>2.5</sub>).

#### Chair's Message, continued from front page

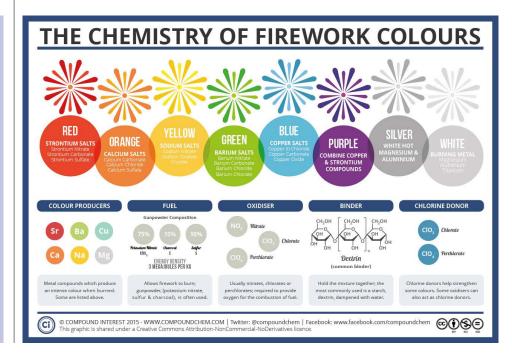
the task of setting up the events for the upcoming year. If you have a suggestion for a speaker or event please contact them at *programming@scvacs.org* with your ideas. One of the first events this Fall will be a beer brewing competition. This will be hosted jointly with the YCC groups from SCVACS and CalACS sections. Look for an announcement on how you can participate as a brewer or judge. Are you interested in being an officer, councilor, or in another way? We still need a member or two to serve on the nomination committee. Committee work not for you? How about running for a position? Please contact me (*chair@scvacs.org*). Experience not necessary and on the job training available. I welcome any inquiries and I am available to discuss duties and expectations with anyone interested.

# 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 seminar 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 friend will be our guests. The seminar meetings are held at a number of local venues. If you are unable to attend in the evening, perhaps you would join us for an outreach event, like judging a science fair, proctoring the Chemistry Olympiad or participating in 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 SCVACS Members**

Darin Arthur Allen Sreenivasulu Angitapalli Victor James Aniebok Dr. Catherine M. Cho Demetri Giokas Dr. Jagath Reddy Junutula Erina Kamiya Joseph Kulusich Guannan Li Zhentao Lin Katherine Liu Tristan Horst Maschmeyer Dr. Danny Chung-Yin Ng Dana Pinson John J. Rajasekaran Neil Rao Todd Renshaw Dr. Antonio Romero Dr. Ali Uddin Shaikh Dr. Gareth Shannon Paul Slagle Dr. Richard Stephenson Dr. Shibing Tang Dr. Deniz Tuna Bill Van Orsdel Malia B. Wenny Dr. Yu Zhang



### Molecule of the Week



Opa! You've probably seen me in action. What molecule am I?

Anethole, formally 1-methoxy-4-[(1E)-

prop-1-en-1-yl]benzene, is an anisole derivative that is the major constituent of the oils of anise (Pimpinella anisum), star anise (Illicium verum), and fennel (Foeniculum vulgare). Also known as "anise camphor", it is used as a flavoring and aroma agent.

Fragrant oils have been extracted from anise and fennel plants since the Renaissance, but not until 1866 did German chemist Emil Erlenmeyer (of the eponymous flask) establish the structure of the primary substance derived from these oils. Most commercial anethole is currently derived from tree extracts such as

turpentine. It is generally recognized as safe (GRAS) for use in foods, cosmetics, and pharmaceuticals.

Anethole is highly hydrophobic but soluble in ethanol, a combination that produces the "ouzo effect". When ouzo and other aniseflavored liqueurs such as absinthe and arak are poured over ice or mixed with water, the mixtures spontaneously form highly stable emulsions. The ouzo effect is a potential mechanism for designing commercial surfactant-free emulsions without the need for expensive high-speed stabilization.

# 245th American Chemical Society National Meeting & Exposition

August 20-24, 2017 Washington, DC



### **CHEMPLOYMENT ABSTRACTS JULY 2017**

### **CHEMPLOYMENT ABSTRACT 4001**

Position Title: Quarterly Adjunct Lecturer (Pool)

Job Description: Duties include but are not limited to:

A. Planning and teaching lecture or laboratory sections for Chem 11, 12, and 13 (General Chemistry), Chem 31, 32, and 33 (Organic Chemistry); and Chem 101 (Bioinorganic Chemistry) lecture only.

B. Fulfilling all responsibilities associated with assigned course. Specific responsibilities are posted at *https://jobs.scu.edu/postings/6006/* 

### C. Starting Date: September 1, 2017 QUALIFICATIONS DESIRED:

Education: Ph.D. in chemistry and biochemistry or closely allied field

Experience: 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: \$3,960 per lab section and \$6,600 per lecture section; not benefits eligible

Description: Santa Clara University is a comprehensive Jesuit, Catholic university located in California's Silicon Valley with an ACS-approved undergraduate program. It is an EO/AA employer committed to excellence through diversity, and welcomes applications from women, persons of color, and members of historically underrepresented groups.

Application Instructions: Submit your application on https://jobs.scu.edu/postings/6006

#### **CHEMPLOYMENT ABSTRACT 4002**

### Position Title: Academic Year Lecturer

Job Description: Duties include but are not limited to:

A. Planning and teaching lecture and/or lab sections of lower division chemistry (general and organic chemistry) courses, bioinorganic chemistry and other courses as assigned. B. Fulfilling all responsibilities associated with assigned course. Specific responsibilities are posted at https://jobs.scu.edu/postings/6000

#### QUALIFICATIONS DESIRED

Education: Ph.D. in chemistry or biochemistry or closely allied field Experience: 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: \$56,600-59,605 per year; benefits eligible

Description: Santa Clara University is a comprehensive Jesuit, Catholic university located in California's Silicon Valley with an ACS-approved undergraduate program. It is an EO/AA employer committed to excellence through diversity, and welcomes applications from women, persons of color, and members of historically underrepresented groups. Application Instructions: Submit your application on https://jobs.scu.edu/postings/6000

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To receive an email when our newsletter is published on our web site, sign up at: http://scvacs.org/?page\_id=99

### SANTA CLARA VALLEY SECTION

2017 Section Officers				<b>FUTURE EVENTS</b>	
Chair	Todd Eberspacher	650-723-2505	eberspacher@stanford.edu	Jul 8	SCVACS Summer Picnic, Wine Tasting and Awards Ceremony Stanford Chemistry Department
Chair Elect	Melody Esfandiari	408-924-4973	melody.esfandiari@sjsu.edu		
Past Chair	Jane Frommer	408-927-2224	frommer@scvacs.org		
Secretary	Richard Bone	650-714-7897	rgb@scvacs.org		
Treasurer	Ihab Darwish	650-624-1389	darwishis@yahoo.com		www.scvacs.org
Councilors				Aug 20-24 254th ACS National Meeting	
2015-2017	Ean Warren	650-329-4554	ewarren@scvacs.org	Washington, DC www.acs.org/content/acs/en/meetings/fall-2017.html	
2017-2017	Charlie Cox	650-485-1041	ctcox@stanford.edu		
2016-2018	Bonnie Charpentier	650-380-5353	charpentierbon@yahoo.com	Sep 16 or 23 SCVACS YCC Home Brew Competition, Judging and Tasting Golden State Brewery, Santa Clara Joint with the Col VCC and the Seniar	
2016-2018	Linda Brunauer	408-554-6947	lbrunauer@scu.edu		
2016-2018	Sally Peters	650-854-4614	sallybrownpeters@gmail.com		
2017-2019	George Lechner	408-226-7262	glechner@aol.com		
2017-2019	Matt Greaney	510-410-0195	greaney19@gmail.com		Joint with the Cal YCC and the Senior Chemists
Alternate Councilors				Chiefhilde	Watch the website for more information!
2015-2017	David Parker	408-615-4961	drdrparker@comcast.net	Davis, SCVAG Sacr Oct TBD Monte	
2017-2017	Howard Peters	650-854-4614	peters4pa@sbcglobal.net		Flavors of Chemistry
2017-2017	Heddie Nichols	310-435-2133	nichols@scvacs.org		Davis, CA SCVACS joint meeting with the Cal and Sacramento ACS sections
2016-2018	Natalie McClure	650-906-7831	nmcclure@drugregulatoryaffairs.com		
2016-2018	Heidi Vollmer-Snarr	650-723-9518	hrvsnarr@stanford.edu		
2017-2019	Elizabeth Pollom	408-924-5012	elizabeth.pollom@sjsu.edu		Monterey Bay ACS Dinner Lecture Cabrillo College, Aptos, CA
2017-2019	Slava Bekker	831-759-6005	sbekker@hartnell.edu		
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ChemPloy	ment Abstracts			see this 1	newsletter at <i>http://scvacs.org/?page_id=99</i>
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