

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 39 No. 8

AUGUST 2017 NEWSLETTER TOPICS

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Connect with Chemists

An early morning chat with fellow chemists

Thursday, August 17, 2017, at 7 a.m.

Coupa Café, 538 Ramona Street, Palo Alto
Contact Ean Warren (ewarren@scvacs.org)
for more information or ask for Ean at Coupa.

Chair's Message

Todd Eberspacher



If you read the most recent issue of C&EN, you may have noticed the story "U.S. makes history at Olympiad". While we were sampling wine at our annual Awards Picnic, four future

chemists were headed to Thailand to represent the United States in the Chemistry Olympiad. Steven Liu of Monta Vista High School in Cupertino was on the team and is local to our section. Many readers may not know Sally Peters plays a big role in organizing the local Olympiad activities—and the local section has been well represented.

July is the month we traditionally present

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September 13th Dinner Seminar

The FBI, WMD, and the Chemical Industry

Todd J. Piantedosi

Abstract

This presentation focuses on how the FBI interacts with the chemical industry as it seeks to accomplish its mission of protecting the American people while preserving the Constitution. More specifically, the San Francisco office's Weapons of Mass Destruction (WMD) Coordinator will explain how chemicals can be used in WMD attacks and the steps the FBI is taking to counter the threat.

Biography

Special Agent Todd J. Piantedosi joined the FBI after ten years in the health care finance sector. Upon completion of 20 weeks of training in Quantico, Virginia, he was assigned to the Washington, DC, field office where he worked counterintelligence for three years. He transitioned to weapons of mass destruction (WMD) preparedness, response and investigations for four years, after which he was promoted to Headquarters. There, he oversaw counterproliferation cases nationwide and managed several WMD programs. In January of 2016, he relocated to the FBI's San Francisco office, where he recently assumed the role of WMD Coordinator.

Special Agent Piantedosi is a graduate of

Brown University and The Catholic University's Columbus School of Law. He lives and works in Oakland.

September Dinner Seminar

Date: Wednesday, September 13, 2017

6:00 p.m. Social Hour

7:00 p.m. Dinner

8:00 p.m. Presentation

Speaker: Todd J. Piantedosi

Special Agent, WMD,
Coordinator, San Francisco
office of the Federal Bureau
of Investigation (FBI)
*The FBI, WMD, and the
Chemical Industry*

Location: Michael's at Shoreline Park
Mountain View, CA

<http://michaelsatshoreline.com/>

Cost: \$30 for members, \$15 for students

Menu: Broiled salmon, Breast of chicken
Florentine or Mushroom crepes

Registration: www.scvacs.org

September 30th Joint Meeting with ACS Sacramento and California Section

Flavors of Chemistry

We are pleased to announce that our annual "Flavors of Chemistry" joint meeting with the ACS Sacramento and California Section will be occurring on Saturday, September 30th at the UC Davis Activities and Recreation Center (the same location as last year). The afternoon event will run from 1 to 5 pm.

Speakers/Tastings:

- **Bill Ristenpart**, Professor of Chemical Engineering, Director of the UC Davis Coffee Center, and instructor for the

"Design of Coffee" course at UC Davis will speak about coffee. We are planning on having a tasting of coffee in collaboration with Chocolate Fish Coffee Roasters. The coffee tasting will feature Chocolate Fish's well-known nitro brew tasted with a cold brewed coffee, both using coffee beans of the same origin to emphasize the taste difference acquired through the nitro brew process.

- **Selina Wang**, Assistant Adjunct Professor of

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Chair's Message, continued from front page

awards to honor achievements in chemistry or service to the ACS. This year was no exception. For as long as I can remember the awards presentations have been done in the Seeley G. Mudd building at Stanford. This year, the awards moved into the recently opened Sapp Center for Science Teaching and Learning, which had sat empty as the "Old Chem" building since 1986, when it was officially closed due to seismic and safety deficiencies. A few of our members shared memories of taking classes or working in "Old Chem". For 15 years I took care of the mothballed building and if you have a story or two please share them.

It is nomination time for positions in your local ACS section. If you are interested in being an officer, Councilor, or Alternate Councilor, *email* me and I will ensure the Nomination Committee knows.

Check the upcoming events on the *website*, the Fall program is coming together now. If you have a suggestion for a dinner speaker, let the Program Committee know (*programming@scvacs.org*). A new book club discussing science related books is forming. Ean Warren *can be contacted* for details.

Oh, yes, if you were curious and didn't read the story in C&EN, the U.S. Olympiad team won four gold medals! Congratulations.

Flavors of Chemistry, continued from front page

Food Science and Technology and Research Director of the UC Davis Olive Center will speak about olive oils.

• *Howard and Sally Peters*, known as Mr. and Mrs. Chocolate and winners of the 2016 Helen M. Free Award for Outstanding Public Outreach, will speak about chocolate.

For more information, and to register, please visit: <http://www.acs-sacramento.org/save-the-date-flavors-of-chemistry-2017/>

Introducing 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.

If you are interested in participating or know a book to recommend, email Ean Warren at *ewarren@scvacs.org*.

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

Ozlem Kubra Akdogan	Sebastian Matias Fica-Contreras	Paulo Machicao Tello
Dr. Giuseppe Astarita	Art Fong	Phillip A. Medina
Dr. Adela Bardos	Astha Garg	Dr. Mallesh Pandrala
Dr. David A. Bushnell	Dr. Amy Gartman	Allison Paradise
Joseph Carlson	Nicky Hwang	Harrie Maxwell Quackenbos
Julie A. Carrera	Brian Thomas Jones	Megan Shelby
Zhixing Chen	Koji Kigawa	Paul L. Szymanski
Dan T. DeLurio	Dr. James Oliver Leckie	Wyatt Aaron Thornley
Dr. Shaojiang Deng	Yunchao Li	Dr. Ambrose J. Williams
Stormy Falcone	Shuo Liu	Yi Xu

ACS National Council Meeting

The American Chemical Society Council will meet during the national meeting in Washington, DC, at 8:00 a.m., on Wednesday, August 23, in Marriott Ballrooms 1-6 of the Marriott Marquis Washington, DC, Hotel.

The agenda for this meeting with supporting documents is available online at www.acs.org/councilors. This information is provided to you so that you may be fully informed of Council business and have as much information as possible to explain actions taken at the meeting. Please note that immediately after each national meeting all Councilors receive a summary of actions taken by the Board and Council at that meeting. Please ask a Councilor for this summary if you would like a report on the actions taken at the meeting.

Non-councilors are invited to observe the Council meeting. The space set aside for this purpose will be available to ACS members. We urge you to take advantage of this opportunity if you are planning to be in Washington, DC, for the national meeting.

Chemistry Quiz

About how much gasoline is consumed per capita in the US each year? The answer will appear in next month's newsletter.

Last Month's 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?

Element 113 (Nihonium) was first reported in 2003 by a team of Russian and American scientists at the Joint Institute for Nuclear Research (JINR) in Dubna, Russia, and 2004 at RIKEN (Japan).

Element 115 (Moscovium) was first synthesized at JINR in Dubna, Russia.

Element 117 (Tennessine) was first announced at JINR in Dubna, Russia, in 2010

Element 118 (Oganesson) was first synthesized in 2002 at JINR in Dubna, Russia.



Past and Present Radding Award Recipients: Howard Peters, Sally Peters, Gary Christian, Bonnie Charpentier, and Lee Latimer



Ottenberg Award Recipient: Ihab Darwish with Natalie McClure



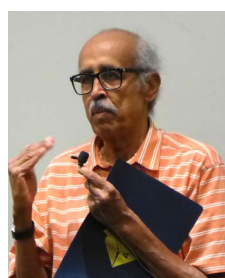
Gary Christian is the recipient of the 2017 Radding Award, with Heddie Nichols.

ACS Picnic Awards Program

July 8, 2017



50th Year Honoree
Mr. John Chen



50th Year Honoree
Dr. Nungavarm Viswantathan



60th Year Honoree
Dr. Karl Marhenke



Congratulations to Jigisha Shah, recipient of **Salute to Excellence Award!** Presented by Melody Esfandiari (Chair-Elect) and Jane Frommer (Past-Chair)

More information about these awards can be found on our [section's award website](#). Consider nominating a deserving chemist for future awards!

CHEMPLOYMENT ABSTRACTS AUGUST 2017

CHEMPLOYMENT ABSTRACT 4001

Position Title: Quarterly Adjunct Lecturer (Pool)

Job Description: Duties include but are not limited to:

- 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.
- Fulfilling all responsibilities associated with assigned course. Specific responsibilities are posted at <https://jobs.scu.edu/postings/6006/>
- Starting Date: September 1, 2017

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: \$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:

- Planning and teaching lecture and/or lab sections of lower division chemistry (general and organic chemistry) courses, bioinorganic chemistry and other courses as assigned.
- 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

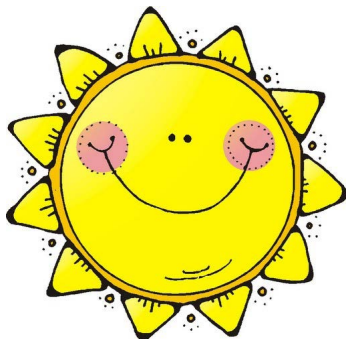
Salary: \$56,600-59,605 per year; benefits eligible

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>



SANTA CLARA VALLEY SECTION
AMERICAN CHEMICAL SOCIETY
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is published on our web site, sign up at:

http://scvacs.org/?page_id=99

SANTA CLARA VALLEY SECTION

2017 Section Officers

Chair	Todd Eberspacher	650-723-2505	eberspacher@stanford.edu
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Past Chair	Jane Frommer	408-927-2224	frommer@scvacs.org
Secretary	Richard Bone	650-714-7897	rgab@scvacs.org
Treasurer	Ihab Darwish	650-624-1389	darwishis@yahoo.com

Councilors

2015-2017	Ean Warren	650-329-4554	ewarren@scvacs.org
2017-2017	Charlie Cox	650-485-1041	ctcox@stanford.edu
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2016-2018	Sally Peters	650-447-3027	sallybrownpeters@gmail.com
2017-2019	George Lechner	408-226-7262	glechner@aol.com
2017-2019	Matt Greaney	510-410-0195	greaney19@gmail.com

Alternate Councilors

2015-2017	David Parker	408-615-4961	drdrparker@comcast.net
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Newsletter

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ChemPloyment Abstracts

Director:	Liang Cao	liang.cao@aol.com
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FUTURE EVENTS

- Aug 20-24** *25th ACS National Meeting*
Washington, DC
- Sep 13** SCVACS Dinner Seminar
The FBI, WMD, and the Chemical Industry
Special Agent Todd J. Piantedosi
Michael's at Shoreline Park
Mountain View, CA
- Sep 30** *Flavors of Chemistry*
Joint meeting between the Sacramento, Cal,
and Santa Clara Valley sections
Davis, CA
- Oct 21** SCVACS National Chemistry Week
Celebration "Chemistry Rocks!"
Hands-on Chemistry Fun for Elementary to
Middle-School Students
MLK Jr. Library, San Jose, CA
- Oct TBD** Monterey Bay ACS Dinner Seminar
Dr. Claudia Luhrs, Naval Post Graduate School,
Cabrillo College, Aptos, CA
- Nov TBD** SCVACS YCC Home Brew Competition,
Judging and Tasting
Joint with Cal section and Senior Chemists
Contact **Matt Greaney** to enter a home brew
in the competition

Click on links for more information or
see this newsletter at http://scvacs.org/?page_id=99