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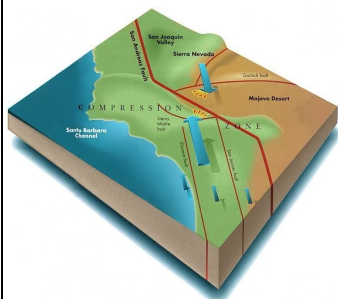
November/December 2015

A Joint Publication of the Southern California and  
San Gorgonio Sections of the American Chemical Society

## Southern California Section Meetings

**College Lecture Series  
Featuring Prof. Jorge Barrio  
California State University, Long Beach  
Tuesday, November 10, 2015**

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**Tour of the San Andreas Fault  
and Kickoff of  
*Chemists Take On the Quake*  
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**Mt. San Antonio College Chemistry Department  
Family Science Festival  
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**SCALACS**

A Joint Publication of the  
**Southern California and San Gorgonio Sections of the  
American Chemical Society**

Volume LXX

November/December 2015

Number 7

**SOUTHERN CALIFORNIA  
SECTION 2015 OFFICERS**

**Chair:** Veronica Jaramillo  
**Chair Elect:** Michael Morgan  
**Secretary/Treasurer:** Barbara Belmont  
**Councilors:** Rita Boggs, Brian Brady, Tom LeBon, Virgil Lee, Eleanor Siebert, Barbara Sitzman

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2015 OFFICERS**

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**Secretary:** David Srulovitch  
**Treasurer:** Larry Mink  
**Councilors:** Eileen DiMauro, Ernie Simpson

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### Chair's Message

As my chair year is coming to an end, I would like to thank you all for giving me this opportunity to lead SCALACS. I am happy to be able to say we had an amazing year with dinner meetings spread across our local section, and therefore got to see some new faces at the meetings. We hosted some talks at local campuses through our College Seminar Series, which allowed a wider audience to hear about chemistry. We were able to do outreach at the California Science Center Museum, at local college campuses and for the boy and girl scouts merit badge events. We awarded William J. Evans, for his outstanding research contribution through the Tolman Award. These are just some of the activities that SCALACS has been involved in this past year.

This November we will be hosting Jorge Barrio from UCLA to give a seminar at Cal. State Long Beach as part of our college lecture series; see page 3 for more information. If you are interested in hosting a talk at your campus, please contact us. Also the WRM will be held in San Marcos from November 6<sup>th</sup> to 8<sup>th</sup>, and we hope to see you there. Lastly, we will be hosting an event to hike the San Andreas Fault on Saturday, November 21; see page 5 for more information.

As you renew your ACS membership, I hope you choose to continue your support of SCALACS with the membership fee of \$12. If you are not currently renewing or did not renew your SCALACS membership, you can always send a check directly to the SCALACS Office. This support enables us to continue our mission to promote Chemistry in the Los Angeles region and to provide our members with enriching activities.

Best-  
Veronica Jaramillo  
vijaramillo@pasadena.edu

## **Southern California Section**

### **College Lecture Series**

**Tuesday, November 10th, 2015**

**3:30 pm—5:00 pm**

**California State University Long Beach**

**Hall of Science (HSCI), Room 102**

**1250 N. Bellflower Blvd., Long Beach CA 90815**

### **“Detection of Chronic Traumatic Encephalopathy (CTE) in Football Players” Prof. Jorge Barrio, UCLA**

**Abstract:** Mild traumatic brain injuries are frequent events in the general population, also affecting sport players and war veterans, and are associated with a severe neurodegenerative disease, chronic traumatic encephalopathy (CTE). CTE is an acquired primary tauopathy with a variety of cognitive, behavioral and motor symptoms linked to cumulative brain damage sustained from single, episodic or repetitive traumatic brain injury. No definitive clinical diagnosis for this condition exists. In this presentation we will discuss the devastating consequences of the disease and the use of an in vivo positron emission tomography (PET) naphthalene-based imaging probe ([F-18]FDDNP) labeled with the short lived radionuclide fluorine-18 ( $t_{1/2}=109$  min) to detect brain patterns of paired-helical filament (PHF)-tau neuropathology distribution in retired professional American football players with suspected CTE. This imaging procedure may be able to detect the disease in living people with varying degrees of symptoms. Early detection would facilitate the most effective management strategies and provide a baseline to measure the effectiveness of treatments. [Reference: Barrio JR et al, Proc Natl Acad Sci USA. 2015 Apr 6. pii: 201409952. [Epub ahead of print] Doi: 10.1073/pnas.1409952112]

**Biography:** Dr. Jorge R. Barrio is Distinguished Professor of Molecular and Medical Pharmacology at University of California at Los Angeles (UCLA). He did his Bachelors and Ph.D. degrees at the University of Buenos Aires, Argentina, followed by another Ph.D. at the University of Illinois at Urbana-Champaign (1979) under the guidance of Prof. Nelson Leonard. He has previously held positions of Elizabeth and Thomas Plott Chair of Gerontology and Professor of Pharmacology and Radiological Sciences at UCLA. He also currently holds positions of Member, Crump Institute of Biological Imaging and Member, Resources Allocation Committee, UCLA - Department of Molecular and Medical Pharmacology and Laboratory of Structural Biology and Molecular Medicine/Institute for Molecular Medicine, besides Chair, UCLA Medical Radiation Safety Committee and Radiation Drug Research Committee.  
**(Continued on Page 4)**

## Southern California Section

### College Lecture Series (Continued from Page 3)

Prof. Barrio has also been on the Editorial Board of reputed international journals, such as Founding editor and Editor-in-Chief, Molecular Imaging and Biology (2001-2010), International Editorial Board, Spanish Journal of Nuclear Medicine (2004-present), Nuclear Medicine and Biology (1985-2005) and Clinical Positron Imaging (1998-2000). He has supervised the Masters and Doctoral theses of several students and has been a Member of Graduate Students Theses Committees of scores of students. He has been a member of the American Chemical Society since 1971. Amongst his hundreds of National and International presentations, mention may be made of the American Chemical Society, Symposium on PET in Neuroscience. "Probing Dopaminergic Enzymes and Transport Mechanisms", Chicago, Illinois, August 1995; and SCALACS (American Chemical Society), WRM2011 "Molecular Imaging of Tau Neuropathology in Humans" Pasadena, November 2011.

**Directions:** Directions and parking information are available at <http://daf.csulb.edu/maps/parking/>. The closest lots are Lots 17 and 18. There is a \$5 charge for parking.

***Sponsored by SCALACS and the CSULB Student Affiliate Association***

### If you can read this....

Then you are one step closer to reading this reminder to pay your local section dues when you renew your ACS membership. You will see the \$12 local section dues line item on your national ACS dues invoice, already included in your invoice total. Simply pay the invoice total without deselecting the local dues line item, and ACS headquarters will send us our share of the dues.

The Southern California ACS local section offers programming and activities for local ACS members and the community at large such as: the High School Chemistry Olympiad, the Tolman Award, National Chemistry Week celebrations, community outreach collaborations, topical dinner meetings, 50-60-70 Year ACS member celebrations, Chemistry Teacher Training symposia, support for the annual Southern California ACS Undergraduate Research Conference, dinner meeting discounts to students, and more. But we could have even more robust programming if every one of you would pay those dues.

Think of it from a thermodynamic perspective: it takes more work to deselect and opt out of the dues payment than it takes to simply pay the full bill. Think of it from an economic perspective: for less than the cost of lunch out with friends, you can do your part in helping our local section be financially sustainable.

Please remember to pay your local section dues!

- Barbara Belmont, SCALACS Treasurer

## Southern California Section

### Welcome to Earthquake Country! – An ACS Tour of the San Andreas Fault and Kickoff of *Chemists Take On the Quake* Innovative Project Program

Saturday, November 21, 2015  
9 am – 2 pm

**Meet at California State University, San Bernardino**  
5500 University Pkwy, San Bernardino, CA 92407  
(Meet in Parking Lot L)

- Did you know there are 20 to 30 earthquakes per day in Southern California?
- Did you know the “Big One” can cause 150 seconds of intense shaking in our region?
- Did you know over 10.5 million Californians participated in The Great ShakeOut on October 15th? Did you participate?

Join us for a tour of the San Andreas fault and have the chance to straddle the Pacific/North American Plate Boundary – an ultimate photo opportunity. Bring your passports! Learn about how earthquake scientists study faults using GPS and how that information is integrated with other data to produce earthquake forecasts. This tour provides a chance to get up close and personal with one of the most famous faults in the world, the 1300 km long San Andreas. Learn how it produces the great beauty of our home and also poses great risk to the 23 million inhabitants of Southern California. Find out about steps you can take to be ready for the next big earthquake. This tour is also the kickoff of a SCALACS Innovative Project Grant: **Chemists Take On the Quake** where chemists from all walks of life encourage resilience through preparing for, responding to, and recovering from earthquakes.

This tour will be led by Robert de Groot, Ph.D., ACSF who is Director for Education at the Southern California Earthquake Center (SCEC) a 60+ institution research center funded by the National Science Foundation and the United States Geological Survey. SCEC manages The Great ShakeOut Earthquake Drills which had over 40 million participants worldwide in 2015. Learn more about SCEC at [www.scec.org](http://www.scec.org).

(Continued on Page 6)

## Southern California Section

### Tour of San Andreas Fault (Continued from Page 5)

**Cost:** \$5 includes water, snacks and a field guide cool swag will be provided! **Free for students.** Everyone is welcome! Encourage friends, family, and ACS student members to attend! Please RSVP to Nancy Paradiso by Monday, November 16th so we know how much water, snacks and resources to have for everyone.

**Directions & Parking:** Visit: <http://www.csusb.edu/mapsDirections/index.html>. Meet in Parking Lot L. Parking is enforced 24/7 – weekend daily parking pass is \$3.00.

**What to bring:** Sack lunch, sunscreen, hat, bag for cool rocks you'll find, notebook and clipboard, camera. Wear sturdy shoes. There is some moderate hiking involved and one small hill to climb.

We will have access to bathrooms, drink and snack vending machine, and an inside space to get out of the sun if needed.

**Hosted by the Southern California Section ACS and the Southern California Earthquake Center**



Thanks to Daphne Benecke, docent for the Norton Simon Museum, for a great tour.



## Southern California Section

### Call for Nominations OUTSTANDING HIGH SCHOOL CHEMISTRY TEACHER OF THE YEAR AWARD

If you know of a local high school chemistry teacher who is making a difference, please make the effort to show how important his/her work is to you and the students. Self-nominations from those who feel they fit the requirements are accepted as well. It's teachers like the recipients of this award who make learning chemistry rewarding. Plus, there is a financial component of \$500. The \$500 will be an unrestricted award directly to the teacher. The winner of the Section Award will also be entered at the National ACS level for the James Conant Bryant Award and the Western Regional High School Teacher of the Year Award. Having won a previous award does not necessarily exclude a nominee; however, the nomination would need to be based on different criteria than the first award.

**Nomination Package should include:** Biographical sketch of nominee with date of birth, list of any publications, statement (no more than 1,000 words) of nominee's achievements as a high school chemistry teacher including quality of teaching, effective methods, nominee's ability to challenge and inspire students, extracurricular work (science fairs, clubs, etc.). Seconding letters are not essential, but up to five may be included. **Nominating documents may be submitted via email to [office@scalacs.org](mailto:office@scalacs.org).** Note that signed documents that have been scanned are acceptable.

The deadline for nominations is **November 16th, 2015**. Please feel free to contact Michael Morgan of the Educational Affairs Committee at [mmorgan@lausd.net](mailto:mmorgan@lausd.net) if you have any questions.



Comparison of blue pigments from the Norton Simon Museum Tour on October 17th. A great time was had by all who attended.

# Southern California Section

## Thanks to all 2015 Volunteers

The many programs and services that your Section provides are accomplished by the volunteers of the various committees. We would like to acknowledge and thank all of you who volunteered your time and talents during this year.

**Chair:** Veronica Jaramillo

**Chair Elect:**

Michael Morgan

**Secretary/**

**Treasurer:** Barbara Belmont

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Alexander Alschuler

Gary Arevalo

Veronica Jaramillo

April Jewell

Krishna Kallury

Heather Mott

Brian Sullivan

Bruce Weiller

Ron Weiner

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Rita Boggs

Bob de Groot

Tom LeBon

Virgil Lee

Eleanor Siebert

Barbara Sitzman

**Alternate**

**Councilors:**

Henry Abrash

Matthew Doyle

Joe Khoury

Yumei Lin

Derek Marin

Sofia

Pappatheodorou

**Boy Scout Expo**

Derek Marin and Gerald

Delker—Coordinators

Ali Akil

Alexander Alschuler

Oral Caglar

Caitlin DeAngelo

Brian Drouin

Fang Fu

Sharee Fuller

Linda Geddes

Veronica Jaramillo

Alexis Kerl

Paul Lee

Betsy Melenbrink

David Schuman

Habiba Vaghoo

Winston Vuong

Piyumie Wickramasinghe

Kimo Yap

Hang Zhang

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Coordinator

Danielle Andersen

Jennifer Chotiner

Sylvine Deprèle

Amanda Evans, CSUF

Marie Garcia

Stephannie Jimenez

Kayla Kaiser & CSUN

Chem. Students

Shilpa Krishnan

Yumei Lin

Danica Manalo

Desarey Morales

Maryann Nguyen

Marsha Nickerson

Andrea Perez

Marina Sobrevina

**Educational Affairs—High School Teacher of the Year**

Michael Morgan, Chair

Alexander Alschuler

Richard Erdman

Larry Walker

**Chemistry Bowl (will be held in the Spring)**

**High School Olympiad**

Gerald Delker, Chair

Henry Abrash

Barbara Belmont

Bob de Groot

Paul Groves

Derek Marin

Michael Morgan

Eleanor Siebert

Barbara Sitzman

**Teacher's Meeting (will be held in the Spring)**

**Meeting Speakers:**

Anthony Butch, UCLA

David Crisp, JPL

Mikhail Shapiro, Caltech

Karl Christe, USC

Vy Dong, UC Irvine

William Evans, UC Irvine

Krishna Kallury

Daphne Benecke,

Norton Simon Museum

Jorge Barrio, UCLA

Eric Parker, Georgia

Tech

*(Continued on Page 9)*

## Southern California Section

### Thank You List (Continued from Page 8)

#### **Community Activities: NCW, CCED & others**

Robert de Groot, Chair  
Henry Abrash  
Michael Afzali  
Alexander Alschuler  
Barbara Belmont  
Brian Brady  
Chris Craney  
Gerald Delker  
Keith Frogue  
Rida Harmeen  
Andrea G. Hsu  
Veronica Jaramillo  
Juanita Juarez (CSC)  
Yumei Lin  
Ben MacDonald  
Derek Marin  
Michael Morgan  
Sofia Papatheodorou  
Alexandr Pikelný  
Armando Rivera-Figueroa  
Eleanor Siebert  
Barbara Sitzman  
Winston Vuong  
Ron Weiner

#### **Organizations Supporting Section Community Activities:**

- Student Chapter at El Camino College  
-ACS Student Chapter at Pasadena City College  
- WISH Organization at Mount St. Mary's University

#### **Organizations (Continued)**

- Science Society—Cal.  
State Dominguez Hills  
- Priory of Biology & Chemistry at ELAC  
-ACS Office of Public Affairs  
- ACS Office of Volunteer Support  
- California Science Center  
- East Los Angeles College Chemistry  
- L. A. Trade Tech Chemistry Department  
- Pasadena City College  
- Occidental College, Department of Chemistry

#### **Nominations & Elections**

Brian Brady, Chair

**Candidates:** Armando Rivera  
Barbara Belmont  
Prashant Ingle  
Derek Marin  
Thomas Mathew  
Heather Mott  
Deborah Bennett  
Robert de Groot  
Veronica Jaramillo  
Joseph Khoury  
Thomas LeBon  
Eleanor Siebert

#### **Project SEED**

Frank Gomez, Chair

#### **Publication Committee**

Harold Goldwhite  
Eileen DiMauro, SG  
Keith Orso  
Eleanor Siebert

#### **Social Media**

Heather Mott, Chair

#### **Tolman Award**

Dr. Richard Hooley, Chair. Confidential committee, but you know who you are!

#### **Undergraduate Research Conference**

Henry Abrash, Chair  
Judy Kim and Haim Weizman, UC San Diego

#### **Webmaster**

Barbara Belmont

#### **Women Chemists Committee**

Veronica Jaramillo, Chair

#### **Younger Chemists**

Alexander Alschuler, Chair

As you can see, it takes a lot of people's time and efforts to make our programs work. We as a Section, and the community at large, sincerely appreciate the dedication of these people and invite you to participate if you haven't already! This Section would be nothing without your volunteer efforts.

We tried to get everyone on the list, if we missed you, please accept our thanks for a job well done!

# Southern California Section

## Call for Nominations 2015 Richard C. Tolman Medal

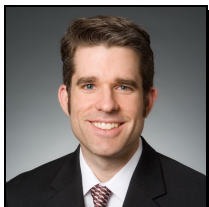
The Tolman Medal is awarded each year by the Southern California Section of the American Chemical Society in recognition of outstanding contributions to chemistry. These contributions may include achievements in fundamental studies; achievements in chemical technology; significant contributions to chemical education; or outstanding leadership in science on a national level. The nominee need not be a Southern California resident; however, most of the award-related accomplishments must have been made in this area.

The Southern California Section of the American Chemical Society and the Tolman Award Committee are now seeking nominations for the 2015 award. There is no official nominating form for this award; nominations are accepted from any member of this Section or of cooperating Sections. The nomination package should include:

- an up-to-date curriculum vitae or resume of the candidate
- letters of support from colleagues in the profession describing the candidate's major achievements
- if the candidate is being considered for outstanding teaching, letters of support from former students should be included.

Please submit nomination packages electronically to the Chair of the Tolman Committee at [office@scalacs.org](mailto:office@scalacs.org). Rather than submitting copies of publications, a list of representative publications would suffice. ***The deadline for receipt of nominations is December 15, 2015.*** Inquiries should be directed to the Chairperson at (310) 327-1216 or via e-mail at [office@scalacs.org](mailto:office@scalacs.org). A list of winners appended here demonstrates the caliber of awardee sought by the committee.

1960 William G. Young	1978 Thomas C. Bruce	1996 Larry R. Dalton
1961 Anton B. Burg	1979 Harry B. Gray	1997 Ahmed H. Zewail
1962 Ernest H. Swift	1980 Herbert D. Kaesz	1998 Kendall N. Houk
1963 W. Conway Pierce	1981 Paul D. Boyer	1999 Peter Dervan
1964 A.J. Haagen-Schmidt	1982 Donald T. Sawyer	2000 William A. Goddard III
1965 Thomas Doumani	1983 James N. Pitts	2001 Peter M. Rentzepis
1966 Arthur W. Adamson	1984 Donald C. Cram	2002 Robert H. Grubbs
1967 Ulric B. Bray	1985 Arnold O. Beckman	2003 Arie Warshel
1968 Francis E. Blacet	1986 M. Frederick Hawthorne	2004 Christopher Reed
1969 Robert Vold	1987 Clifford A. Bunton	2005 Fred Wudl
1970 Robert L. Pecsok	1988 John D. Baldeschwieler	2006 G. K. Surya Prakash
1971 Roland C. Hansford	1989 Mustafa A. El-Sayed	2007 Barbara Finlayson-Pitts
1972 James Bonner	1990 Linus Pauling	2008 Joan S. Valentine
1973 Howard Reiss	1991 George A. Olah	2009 Richard B. Kaner
1974 John D. Roberts	1992 Peter C. Ford	2010 Dennis Dougherty
1975 Corwin Hansch	1993 Charles L. Wilkins	2011 Karl O. Christie
1976 F. Sherwood Rowland	1994 Jacqueline K. Barton	2012 John E. Bercaw
1977 Sidney W. Benson	1995 Christopher S. Foote	2013 Mark E. Thompson
		2014 William J. Evans



## **Insights Into IP Law**

**Keith Orso\***, Irell & Manella LLP  
KOrso@irell.com

Recent editions of this column have been responding to a reader question about what constitutes patent-eligible subject matter—that is, something that may be claimed in a patent assuming all other requirements of the Patent Act have been satisfied. Laws of nature, natural phenomena, and abstract ideas generally cannot be patented, but applications of the same are patent eligible.

Recently, the Supreme Court addressed this issue for a patent claiming methods of hedging against risk by (i) initiating transactions between a commodity provider and consumers who will purchase the commodity at a fixed rate (corresponding to a risk position) based on historical averages, (ii) identifying market participants having a counter-risk position for the commodity, and (iii) initiating transactions between the commodity provider and the counter-risk market participants at a second fixed rate to balance the risk. The Court ruled that such methods were not patentable on the ground that the claims simply describe the basic concept of hedging, which “is a fundamental economic practice long prevalent in our system of commerce and taught in any introductory finance class.” Allowing petitioners to patent such methods would pre-empt use of hedging, and would effectively grant a monopoly over an abstract idea.

But what if the subject matter is far more technical? A couple of years after the risk-hedging case, the Supreme Court heard a case challenging patents covering methods of using oral thiopurine drugs to treat autoimmune diseases such as Crohn’s disease and ulcerative colitis. Because the way people metabolize thiopurine compounds varies, the same dose of a thiopurine drug affects different people differently. Doctors historically had difficulty determining whether a given dose for a particular patient was too high (increasing the risk of harmful side) effects, or too low (risking ineffectiveness).

The patented methods generally were directed to ways of optimizing therapeutic efficacy by administering an amount of the thiopurine drug, measuring metabolite levels in the blood, and either increasing the dose of the drug if certain metabolite levels exceed a particular “floor” concentration of picomoles per red blood cell count, or decreasing the dose if the metabolite levels exceeded a particular “ceiling” concentration. Find out why the Supreme Court ruled that such claims effectively claim an underlying law of nature in the next edition of this column. Feel free to email me with topics you would like to see addressed in the future.

\* The author earned engineering and chemical engineering under-graduate and graduate degrees, and is a patent attorney and partner at the law firm of Irell & Manella LLP. This column does not constitute legal advice and does not necessarily reflect the views of the firm or its clients.



## **This Month in Chemical History**

Harold Goldwhite, California State University,  
Los Angeles  
hgoldwh@calstatela.edu

In last month's column I drew on a new book entitled "The Matter Factory" by Peter T. J. Morris (Reaktion Books, London, 2015- in association with the Science Museum, London). The author is Keeper of Research Projects at the Science Museum, London, and is an authority on the history of science. His new book is the first book length examination of the history of the chemical laboratory. The earliest laboratories documented included a 16th. century alchemical laboratory, probably less cluttered in actuality than the propagandist pictures of the period would have you believe; and Lavoisier's laboratory of the early 19th century, very well appointed, with the best available equipment of the period.

In the early 19th. century, following a trend established over a century earlier, public and popular courses of chemistry became more frequent, and were often associated with organizations such as the Royal Institution in London. Such courses were part of a movement to offer instruction – and entertainment- in science. They needed attached laboratories that served the dual purposes of preparing chemical demonstrations for the courses to be given in an adjacent lecture hall, and functioning as research laboratories for the staff of the institution. Last June I was in London and revisited the Royal Institution in Albermarle Street, just off Piccadilly. I saw there the reconstruction of Michael Faraday's laboratory that he used when he was Professor at the Royal Institution. I recommend the visit to you when you are next in London. The building is full of exhibits and displays of great relevance to the history of science.

One of the most important laboratories established in the first half of the 19th. century was that set up by Justus von Liebig when he was appointed as Professor of Chemistry at Giessen in 1824. Liebig had much of his training in chemical research in Paris where he worked with Gay-Lussac. As was the norm in those days Gay-Lussac had only a few students under his tutelage at any one time. Liebig decided to establish a new model in his Giessen laboratories. These laboratories were among the first to include fume hoods as standard equipment. The draft was provided by a fire burning under a chimney at the rear of the hood, or in a furnace communicating with the hood via ducts, which created an updraft to draw fumes from the hood. Not as efficient as an electric fan, of course, but a great improvement over generating the fumes in the middle of an open laboratory.

A second major innovation was the development of equipment for accurate "semi-micro" organic analysis. With Liebig's interest in natural products he  
*(Continued on Page 9)*

## This Month in Chemical History

(Continued from Page 12)

developed more precise determinations of carbon and hydrogen by combustion, devising the alkali absorbing bulb for carbon dioxide that still features on the ACS seal. He used an improved Dumas method, in a second combustion, for determining nitrogen.

But undoubtedly the most influential of Liebig's innovations at Giessen came after he was allowed to construct an additional laboratory in 1839. He designed this expressly for the training of post-graduate students and with it he invented the concept of a research group; not the usual handful of students, but a relatively large group, working on a variety of problems, all supervised by Liebig himself. Innovations included glass-fronted fume hoods; bottle racks over and storage cupboards under benches. Sinks in the benches and a drying kiln were further innovations. And Liebig's office was adjacent to the laboratory and communicated via a glass window hatch, so he could easily talk to any student.

Liebig's design for both the laboratory and the research group was admired and copied. Within a few years both the University of Zurich and the University of Rostock built new research laboratories following Liebig's model, and modern chemical laboratories still exhibit, in modified form, many of Liebig's innovations.

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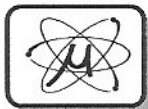
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## San Gorgonio Section

### Chair's Message

#### **This Year Was Great! Your Input Needed for 2016.**



Since this is the final edition of SCALACS in 2015, it seems like a good time to review some highlights of the San Gorgonio Section's successful year.

**Project SEED.** The number of students participating in Project SEED doubled from last year! Two students from Rialto High School were selected to participate in Project SEED, the ACS Summer Research Internship Program. Both students carried out their research projects at U.C. Riverside.

**Olympiad.** In an attempt to increase participation in the annual event, the Executive Board allowed teachers to administer the Local Section Olympiad exam on their high school campuses. This change exceeded expectations; there was a 50% increase in the number of students taking the test.

**Scholarships.** The Section awarded five scholarships ranging from \$1000.00 to \$400.00 to five students. These scholarships are awarded based on performance on the Local Section Olympiad.

**Topical Meetings.** The Section hosted the ever-popular "Chemistry of Wine" as well as the cutting edge "You are Your Genes: Medical Therapy Designed for You". In addition, a luncheon was held to familiarize high school teachers with resources available from ACS.

**Finances and operations.** Our Section remains financially sound and our membership remains stable. We currently have all Executive Board positions filled.

We are in the process of planning meetings and activities for 2016 and would really like input from you. One of the most important  
(Continued on Page 17)



# San Gorgonio Section

## Annual Meeting

**Tuesday, November 17, 2015**  
**7:00 p.m.**

**Chemical Sciences Bldg, Room 231**  
**University of California, Riverside**  
**900 University Avenue**  
**Riverside, CA 92521**

Come help celebrate this year and help plan the new year! Alex Vasquez, one of our two Project SEED participants this year will describe his project and we will discuss the future of this successful program. Materials Science is a rapidly expanding field and this certainly is true at UCR. A faculty member will give an overview of the materials science research that is taking place at UCR. Over the past decades Dr. James Hammond has played an important role in the activities of the San Gorgonio Section. Presentation to Jim of a Lifetime Achievement Award will provide the opportunity to recognize his contributions. The upcoming election for 2016 officers will be discussed and nominations solicited. Food (sandwiches, fruit, cheeses, water, and soda) will be provided. There will also be drawings for a variety of door prizes.

**Meeting Agenda:** Door prize drawings throughout the evening!

- Welcome
- Alex Vasquez, Project SEED participant
- Materials Science at UCR
- Presentation of Lifetime Achievement Award to Jim Hammond
- Overview of planned 2016 Section activities :
  - High School National Chemistry Olympiad
  - Chemistry Day at the Museum
  - Project SEED
  - National Chemistry Week
- Brainstorming: What are possible future directions and activities for the Section?
- Upcoming election of officers for 2016
- Adjournment

*(Continued on Page 16)*

## San Gorgonio Section

### Annual Meeting (Continued from Page 15)

**Reservations:** Please RSVP to [edimauro@mtsac.edu](mailto:edimauro@mtsac.edu) or [dpedersn@csusb.edu](mailto:dpedersn@csusb.edu), **no later than** Friday, November 13. There is no cost, but we need to know how much food to buy! We must also submit names of anyone who will need a parking pass for the meeting.

**Parking:** The UCR Chemistry Department will pick up the parking cost for participants at this meeting; THANK YOU! Carpools are encouraged. Get to the campus and go to the main information kiosk at the main entrance on West Campus Drive. Tell the parking attendant that you are a participant in the ACS meeting in the Chemical Sciences Building and obtain a parking permit and directions to the meeting site, the Parking Lot where you are to park, and a campus map.

**Directions:** UCR is located off the 215/60 freeways in Riverside at the University Avenue exit. Consult the campus website for a detailed area map, showing various ways of getting to the campus. <http://campusmap.ucr.edu/imap/index.html>.

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## Chair's Message (Continued from Page 14)

and challenging tasks of the Executive Board is finding compelling  
topics and speakers. What topic(s) would you like to see at a  
Section meeting? **Do you know a dynamic/engaging speaker who  
would be willing to do a presentation? Please contact me at  
[edimauro@mtsac.edu](mailto:edimauro@mtsac.edu).**

And finally, since this is my final Chair's message, I would like to  
thank the members of the Executive Board: Dennis Pederson,  
David Srulovitch, Ernie Simpson, Laurie Starkey, Larry Mink and  
Jim Hammond. Your hard work, energy, dedication and wonderful  
ideas have been sincerely appreciated. And many thanks to  
Nancy Paradiso for her patience and professionalism. Dennis  
Pederson will be assuming the Chair's position next year.

- Eileen DiMauro, Chair

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Contains Dated Meeting Announcement

**PERIODICAL**

**Bi-Section Chemists' Calendar**

For more information on these events, please check our website at  
[www.scalacs.org](http://www.scalacs.org)

**November**

- 6-8 Western Regional Meeting at CSU San Marcos—see October issue
- 10 SC College Lecture Series featuring Prof. Jorge Barrio—see page 3
- 14 SG Family Science Festival at Mount SAC—see October issue
- 17 SG Annual Meeting—see page 15
- 21 SC Tour of San Andreas Fault—see page 5

**We wish you a very happy Holiday Season!**