

SCALACS

November/December 2017

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

Southern California Section



Agnes Ann Green Distinguished
Service Award Dinner
Honoring
Dr. Brian Brady
December 6, 2017

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San Gorgonio Section

Annual Meeting Wednesday, November 30, 2017 University of California, Riverside

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SCALACS

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

Volume LXXII November/December 2017 Number 7

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Chair's Message

Wow, time flies when you are having fun! This has been a year full of exciting activities, speakers, competitions, and much more! It is already November, and we are getting ready to close the year



with a big celebration.

This year we will be honoring our Agnes Ann Green Distinguished Service Award recipient, Brian Brady, on Wednesday, December 6th at Paradise LA Restaurant. This award recognizes service to the SCALACS local section. We want to congratulate and recognize Brian for his long time service including chairing our Nominations and Elections Committee, running the Section as Chair and representing our Section as Councilor for the last three years.

In addition, we want to thank the many people that have helped SCALACS to successfully undertake many of the activities we have hosted: All the speakers for our NCW Chemistry ROCKS! events, the Tolman and Service Award committee members, Intel National Science Fair volunteers and all of you who have served as a mentor or advisor to our K-20 students. Of course, thanks to our board members, who continue to represent SCALACS at the different events, and bring the joy of chemistry around Southern California.

An important event happening in November will be our election! Please be on the lookout for your ballot in your email box. We really want to encourage all of you to participate and vote!

This November we want to wish everyone a very happy holiday season! We will be getting ready to roll out a new program of activities in 2018.

With best wishes,

Armando and Bob

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Agnes Ann Green Distinguished Service Award Dinner Honoring Brian Brady

Wednesday, December 6, 2017

Paradise LA Restaurant

889 W. 190th Street Los Angeles, CA 90248

Check-in: 6:00 p.m. Dinner: 7:00 p.m. Presentation: 8:00 p.m.

We are pleased to honor Brian Brady with the Agnes Ann Green Award for Distinguished Service to the Section. Brian exemplifies the level of outstanding and sustained service and commitment to our local ACS section that this award was designed to honor. Please join us in recognizing Brian and his efforts on behalf of the Section.

Biographical note: Brian Brady received his BA in Chemistry from the University of Pennsylvania and his Ph.D. in Chemistry from Columbia University. He is a Sr. Scientist in the Space Materials Lab of the Propulsion Science Department at The Aerospace Corporation.

Reservations: There is a choice of 3 entrees, all include salad: Grilled Mahi-Mahi with papaya salsa, Pot Roast with mashed potatoes, vegetables and gravy or Mediterranean Chicken with tomatoes, capers, Kalamata olives and rice pilaf. The cost is \$31 including tax and tip. Please email Nancy Paradiso in the Section Office at office@scalacs.org or call 310 327-1216 by **Wednesday, November 22nd** if you'd like to attend. Please include your choice of entrée.

Directions: Paradise LA is located between the 110 and 405 freeways on 190th Street. If you click on the map from their website, http://paradisedine.com/#contact, it will take you to google maps for directions.

Recipient of the 2017 Agnes Ann Green Distinguished Service Award: Dr. Brian Brady

Brian Brady is Senior Scientist at the Aerospace Corporation in the Propulsion Science Department. He uses his background in Physical Chemistry to provide technical authority and leadership in conducting studies on chemical kinetic measurement and modeling, and to conduct propulsion-related anomaly investigations. When he is not volunteering for the American Chemical Society, he volunteers as a Tae Kwon Do instructor.

Brian Brady began serving our Southern California Local ACS Section as Elected Member in 2009. During that tenure, he served on the Nominations and Elections committee, recruiting new people to serve in section governance. Of particular importance to our local section is the sustained role Brian played for five years in a row (2012-2016) as the Chair of our Nominations and Elections Committee. Brian handled this responsibility methodically and thoughtfully, recruiting new people to serve as Executive Committee members, and convincing seasoned people to take their turn at our helm as Chair. This is a particularly difficult task and the fact that he stayed with it for five cycles in a row speaks volumes to Brian's commitment to the success of our local ACS section.

By the end of his Executive Committee term in 2011, Brian agreed to be a candidate for Chair of our local section. As Chair in 2013, Brian provided a full and robust program that served not only our fellow ACS members, but also the broader community. On Brian's watch, we ratified our new section by-laws, enjoyed six dinner meetings with fascinating speakers, carried on our outreach traditions for high school chemistry students and undergraduate researchers, and expanded our social media activity to Facebook and Twitter.

In 2014, Brian ran for Councilor of our Southern California Local ACS Section. He is now in the final year of his 2015-2017 term as Councilor and will run again for another term in this coming election. Brian represents our local section at the Council meetings at the ACS National Meetings. He currently serves on the Constitution & Bylaws Committee, and as Secretary to the Western Regional Councilor's Caucus.

Brian's arc of local section involvement is exemplary and sets the bar for our future leaders. He has been helpful and engaged since the beginning of his involvement with local section leadership, has risen to the challenges of increased responsibility, and has contributed in ways that have been of great benefit to the Southern California Section of the American Chemical Society. For all this, we congratulate Brian Brady as the recipient of the 2017 Agnes Ann Green Distinguished Service Award.

Barbara Belmont. Nominator

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About the Agnes Ann Green Distinguished Service Award

The Agnes Ann Green Distinguished Service Award is given to a member of the Southern California Section of the American Chemical Society in recognition of his/her outstanding service and commitment to the Section. It is not necessarily given each year, as it is reserved for those members who have set an example of their devotion of time and effort to the well being and goals of the Section and its relationship to the National ACS.

It is fitting that this award was named after its first recipient, Sister Agnes Ann Green. Dr. Green received her B.A. in mathematics and education from the Immaculate Heart College in 1934, her M.S. in chemistry from USC, and her Ph.D. from Stanford in 1946. She then joined the faculty of Immaculate Heart College and subsequently became chair of the chemistry department. She has published research papers on inorganic complexes, solubilization, kinetics and experiments of laboratory course work. Over the years, as a role model at the women's college, she encouraged over 50 percent of her students to pursue graduate school. In the midst of many labors, she was an active member of ACS and the SCALACS from 1943 until her retirement from service During that time she set an outstanding record of 53 years of continuous service to the Section and served as the first woman chairperson in both 1972 and 1973. Her stint as chairperson actually distinguishes the type of unselfishness and leadership that eventually suggested this award. As the chair-elect, Agnes, stepped in to finish out the term of the 1972 chair, Dr. William Johnson, who relocated to the East Coast. She then went on to serve her full term as chair in her own right. She was a role model for the women chemists in the Section, chairing committees on chemical education, nominations and awards, long range planning, membership, and the committee work manual revision. On the national level, she was elected six consecutive times as councilor and served on the Women Chemists Committee. Council Committee on Chemical Education, Council Committee on Membership Affairs, and the Committee on Committees.

The Section's first Distinguished Service Award was given to Agnes Ann Green in recognition of her outstanding record of continuous service and major contributions to the Section and the national society through her tireless devotion and activity. This is all quite a yardstick to measure the performance of the nominees for the distinguished service award. But Agnes' record and quality of achievement, a watermark for the Section, creates guidelines for us to value the support, service and leadership of our membership for the benefit of all members and the society as a whole. For this reason, the award may not be offered every year, but will be treasured by the honorees, knowing that he/she has given of their time and efforts in a meaningful way that follows in Agnes' footsteps. They will know that their colleagues recognize their services and achievements as representative of what the Agnes Ann Green Distinguished Service Award acknowledges in its recipients.

Thanks to all 2017 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: Armando

Rivera

Chair Elect: Bob de

Groot

Secretary/Treasurer:

Barbara Belmont

Elected Members of Executive Committee:

Alexander Alschuler Gary Arevalo Krishna Kallury Derek Marin

Thomas Mathew Morgan McCarthy Heather Mott

Edye Udell

Councilors: Brian Brady

Bob de Groot Virgil Lee Sofia Pappatheodorou

Eleanor Siebert Barbara Sitzman

Alternate Councilors:

Henry Abrash Deborah Bennett Ana Gamboa Ralf Haiges Veronica Jaramillo

Veronica Jaramillo Tom LeBon **Meeting Speakers:**

David Brafman, Getty Alyssa Morgan, Aaron Celestian, Tony Kampf, Natural History Museum Paul Weiss, UCLA Beth Ann Gerstein, David Armstrong, Roy de Selms, AMOCA

Tour

Robert West, ELAC

Expanding Your Horizons & Uni-vision Education Fair

Eleanor Siebert, Coordinator MSMU Sylvine Deprèle Evelyn Khamou Leticia Rodriguez Kayla Kaiser (CSUN) Daniella Parra (CSUDH)

MSMU WISH Students:

Aisosa Adobor
Mary Bakarian
Amy Calderon
Kajal Desai
Illeana Dullas
Kristen Fregoso
Kelly Hernandez
Juliette Jauregui
Vivian Lee
Melissa Martinez
Minh Vy Nguyen
Thuy Nguyen
Patricia Perez

Patricia Perez Vanessa Quintero Mary Safaeipour Magdalena Serrano Elizabeth Shokoya Shannon Yang Leslie Ortiz (CSUN) Educational Affairs— High School Teacher of the Year

Michael Morgan, Chair Alexander Alschuler Richard Erdman Larry Walker

Teacher's Meeting

Michael Morgan, Chair Deborah Bennett Chris Craney Chris Dow Richard Erdman

Paul Groves
Ben Ku

Wilkin Lee Mario Martinez Caroline Morgan

Ken Mukai Rebecca Poliner Evan Thompson

Edye Udell ['] Larry Walker

High School Olympiad

Gerald Delker, Chair Henry Abrash Barbara Belmont Deborah Bennett Ben Ku Michael Morgan Eleanor Siebert Barbara Sitzman

(Continued on Page 7)

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Thank You List (Continued from Page 6)

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) Ben MacDonald Derek Marin Michael Morgan Sofia Pappatheodorou Armando Rivera-Figueroa Eleanor Siebert Barbara Sitzman

Organizations Supporting Section Community Activities:

Winston Vuong

- Student Chapter at El Camino College
- ACS Student Chapter at Pasadena City College
- WISH Organization at Mount St. Mary's University
- Science Society-**CSUDH**
- Priory of Biology & Chemistry at ELAC

Organizations (Continued)

- California Science Center
- East Los Angeles College Chemistry
- L. A. Trade Tech **Chemistry Department**
- Pasadena City College
- Occidental College, Department of Chemistry
- Firestone Walker Brewery
- LA County Natural History Museum
- UCLA Meteorite Collection
- AMOCA

Intel Science Fair

Veronica Jaramillo, Chair Henry Abrash Gerald Delker Olivier Marca Khalifa Mbarek JoEl Meeks-Matous Alam Mohammad-Parvez Women Chemists Erik Richman Andy Skauge Kanagasabai Vadivel Vince Vilker

Nominations & Elections

Bob de Groot, Chair

Project SEED

Frank Gomez. Chair

Publication Committee

Harold Goldwhite Dennis Pederson, SG Keith Orso Eleanor Siebert

Social Media Heather Mott, Chair

Tolman Award

Dr. Armando Rivera. Chair. Confidential committee, but you know who you are!

Undergraduate Research Conference

Henry Abrash, Chair Tom Calhoun, UCLA

Webmaster Barbara Belmont

Veronica Jaramillo

Younger Chemists Alexander Alschuler

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!



Call for Nominations 2017 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 2016 award. There is no official nominating form for this award; nominations are accepted from any member of this section or of neighboring 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**. Rather than submitting copies of publications, a list of representative publications would suffice. *The deadline for receipt of nominations is December 15, 2017*. Inquiries should be directed to the Chairperson at (310) 327-1216 or via e-mail at office@scalacs.org. A list of winners appended here demonstrates the caliber of awardee sought by the committee.

1960	William G. Young	1979	Harry B. Gray
1961	Anton B. Burg		Herbert D. Kaesz
1962	Ernest H. Swift	1981	Paul D. Boyer
	W. Conway Pierce	1982	Donald T. Śawyer
1964	A.J. Haagen-Schmidt	1983	James N. Pitts
1965	Thomas Doumani	1984	Donald C. Cram
	Arthur W. Adamson	1985	Arnold O. Beckman
	Ulric B. Bray	1986	M. Frederick Hawthorne
	Francis E. Blacet	1987	Clifford A. Bunton
	Robert Vold	1988	John D. Baldeschwieler
	Robert L. Pecsok	1989	Mustafa A. El-Sayed
	Roland C. Hansford	1990	Linus Pauling
	James Bonner	1991	George A. Olah
	Howard Reiss	1992	Peter C. Ford
	John D. Roberts	1993	Charles L. Wilkins
	Corwin Hansch	1994	Jacqueline K. Barton
	F. Sherwood Rowland	1995	Christopher S. Foote
	Sidney W. Benson	1996	Larry R. Dalton
1978	Thomas C. Bruice	1997	Ahmed H. Zewail

.000	Ttorradir 11. 1 Todat
1999	Peter Dervan
2000	William A. Goddard III
2001	Peter M. Rentzepis
2002	Robert H. Grubbs
2003	Arieh Warshel
2004	Christopher Reed
2005	Fred Wudl
2006	G. K. Surya Prakash
2007	Barbara Finlayson-Pitts
2008	Joan S. Valentine
2009	Richard B. Kaner
2010	Dennis Dougherty
2011	Karl O. Christie
2012	John E. Bercaw
2013	Mark E. Thompson
2014	William J. Evans
2015	
2016	Paul S. Weiss

1998 Kendall N. Houk

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Second Call for Nominations Paul Shin Memorial 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.

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 should be submitted via email to office@scalacs.org. Note that signed documents that have been scanned are acceptable.

The deadline for nominations is **November 15th, 2017**. Please feel free to contact Michael Morgan of the Educational Affairs Committee at mmorgan@lausd.net if you have any questions.

In Memoriam Dr. Eugene N. Garcia

Eugene ("Gene") Garcia, Ph.D. died peacefully in his sleep at home on August 14, 2017, seventy-four days before his 92nd birthday. Gene was born in Guadalajara, Mexico and came to Los Angeles as a young child. He received his U. S. citizenship on September 2, 1947 while studying in Spokane, WA.

Gene began his higher education pursuing a vocation as a priest. He received his BA in Philosophy in 1948 from Gonzaga University in Spokane. He obtained his MS in Chemistry from the University of San Francisco in 1951. Next he attended the California Institute of Technology. Cal Tech did not offer a degree in bio-chemistry so he transferred to UCLA School of Medicine where he obtained his doctorate in Physiological Chemistry in 1961.

Gene taught at his alma mater, Loyola High School, for the 1951-52 academic year. He then decided against the priesthood and moved to a career in education. He worked as a research assistant and chemist for various companies and universities while pursuing his advanced degrees. He taught science and math at Columbia College of Los Angeles from 1957 to 1963. He became an Assistant Professor of Biochemistry at the College of Medicine (which later became the medical school at UC Irvine) in 1961 and remained there until 1969. He taught at California State University Dominguez Hills from 1972 until retiring in 1992. Additionally, he taught occasionally at Cerritos College and Santa Ana College.

Gene was very involved in community and professional organizations. For many years he was active in the Southern California Section of the ACS including serving as Chair in 1970, and the California Association of Chemistry Teachers. He served on the Bassett Unified School Board, the Charles Drew Postgraduate Medical School Board and the Cerritos College School Board. He was active in the League of Women Voters Downey Chapter as both a board member and speaker for voter information programs.

Gene published a number of professional papers and wrote programmed instruction materials for colleges, the military and industry.

Gene will be missed by his family, friends and colleagues. Memorial contributions may be made to the Alzheimer's Association.

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Insights Into IP Law Keith Orso*, Irell & Manella LLP

KOrso@irell.com

This column has been exploring what kinds of documents might qualify as "printed publication" prior art, which is used to determine whether the subject matter of a patent claim is new and non-obvious. As a general matter, "printed publications" are documents that have been disseminated or otherwise made publicly available to the extent that persons interested and ordinarily skilled in the subject matter of the art, exercising reasonable diligence, can locate them. This can include not only books, periodicals, and journal articles, but also posters displayed at scientific conferences and manuscripts distributed on request after presentations that refer to them.

What about a doctoral dissertation? Can a single copy of a doctoral dissertation in one university library, for example, be sufficiently accessible to those interested in the art to constitute a printed publication? Suppose there is evidence that a dissertation was received by a library on a certain date. An employee at the library testifies that the dissertation was indexed in a special dissertations catalog, which is part of the general user's catalog, and was set apart in a special dissertations section in the general stacks of the library. The librarian is unable to say when the specific dissertation was indexed in the library catalog, but the librarian testifies that based the library's general practice for indexing, cataloging, and shelving dissertations, the dissertation probably was available for general use about one month after it was received by the library. Does the dissertation count as a printed publication as of that one-month date?

One court, analyzing similar circumstances, answered "yes," even though there was (i) no testimony chronicling the library's general procedures for receiving and processing a dissertation, (ii) no testimony regarding the handling of the specific dissertation, and (iii) no evidence establishing a specific date of cataloging or shelving for the dissertation in question. The court found that while some such evidence would be desirable, the realities of routine business practice counsel against requiring such evidence. The court noted that the proponent of the patent claim against which the dissertation would be asserted as prior art proffered no evidence to rebut the evidence that the dissertation probably became publicly accessible about 30 days after it was received by the library.

What if access to the library was restricted? What if the dissertation was catalogued and indexed in a strange way? Cases have considered these questions, which will be explored in future editions of this column.

* The author earned engineering and chemical engineering undergraduate 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

By one of those coincidences that can enliven our lives, at the recent ACS meeting in Washington D.C. the Division of the History of Chemistry sponsored a symposium on chemists who should have won Nobel Prizes in chemistry but failed to do so. One session co-sponsored by the Women Chemists' Committee was "Ladies in Waiting for Nobel Prizes: Overlooked Accomplishments of Women Chemists". Among 175 chemists who have won Nobel Prizes there are only 4 women: Marie Curie; Irene Curie; Dorothy Hodgkin; and Ada Yonath. Symposium speakers made convincing cases for a dozen or so of the overlooked chemists. In continuation of my recent columns on women chemists I will present the career of one of the overlooked, Ida Tacke Noddack. You can make the call on whether she deserved a Nobel Prize.

Ida Tacke was born in Germany in 1896, studied chemistry at the Technical University of Berlin, and was one of the first women in Germany to earn a doctorate, which was granted by the Technical University in 1921 for work on anhydrides of fatty acids. She worked in industry for a time, the first woman Ph.D. to do so in Germany, and married another chemist, Walter Noddack, in 1926. She returned to an academic life and served at a number of institutions, usually in unpaid positions. The Noddacks worked as a team and focused on isolating two elements to fill gaps in the periodic table: numbers 43 and 75, now termed technetium and rhenium. In 1925 they claimed to have isolated these new elements. Their claim to rhenium was confirmed, but they had not isolated number 43, that they called masurium, as later studies by others showed.

In 1934 Enrico Fermi claimed that neutron bombardment of uranium produced trans-uranic elements, a claim that was part of the reason why Fermi was awarded a Nobel Prize in 1938. Ida Noddack was critical of Fermi's claims to have made element 93. She pointed out that Fermi had not excluded the possibility that (Continued on Page 9)

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This Month in Chemical History

(Continued from Page 8)

the radio-activities he observed after the bombardment of uranium by neutrons were due to isotopes of lighter elements. She wrote: "it is conceivable that the nucleus breaks up into several large fragments, which would of course be isotopes of known elements but would not be neighbors of the irradiated element". In this statement she foresaw the possibility of nuclear fission, that was observed in 1938 by Hahn and Strassmann and interpreted by Meitner and Frisch, just as Ida Noddack had foreseen.

Later in their careers the Noddacks turned their attention to geochemistry, and to the occurrence of heavy metals in sea creatures. The Noddacks were nominated in all three times for Nobel Prizes in chemistry in 1933, 1935, and 1937. They did not win. Ida Noddack was awarded the Scheele Medal and the Liebig Medal by European chemical societies. She died in 1978 aged 82.



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Chair's Message

As the year draws to a close it is time to both look back and ahead. The year 2017 has been a good one for the San Gorgonio Section with several successful events being held. Over 70 persons attended the February Wine Seminar, a record number of high

schools participated in the Chemistry Olympiad, and the year was capped off with a record number of honorees and attendees at our special 50, 55, 60. 65. 70, and 75-year member recognition luncheon. I wish to express my appreciation to Eileen DiMauro, David Srulevitch, and Ernie Simpson for all their help this year. I wish to add extra thanks to Ernie for his very successful efforts in promoting the Section's activities, particularly for the tremendous effort he put in that made the senior members recognition luncheon such a great event. An additional note of appreciation goes to Dr. Jingsong Zhang and the UCR Chemistry Department for providing the site for the second round of the Chemistry Olympiad and to Dr. Kerry Hanson for assisting with the event.

Now, on to the looking ahead part. We plan to build on this year by continuing the increase in Chemistry Olympiad participation, by providing meetings with topics of interest to both chemists and a more general audience, and by enhancing the level of communication with Section members. In this regard, we plan on expanding our internet presence with an enhanced Web Page and the use of social media routes to keep Section members apprised of Section events. We also plan to again seek your input via a Section survey. Please take the time to respond, your feedback is invaluable. As I said in my last message there are very many ways for a you to become involved in Section activities, ranging from attending events, assisting with the Chemistry Olympiad, serving as a liaison for Section members at a university, college, government laboratory, or industrial site, helping to plan an activity, or by serving as a member of the Section's Board. Nearly any one of these would mean a time commitment of **only a few hours** during the year.

The final event of the year will be our Annual Meeting. Once again this will be held at the site of the Section's founding, the University of California, Riverside. We will be taking any additional nominations for Section officers, hearing a presentation by this year's Project SEED participant, learning more about plans for next year, and learning about some of the exciting research going on at UCR. Complete details regarding this event are to be found on page 15.

Now a note of sadness. Earlier this month Dr. James Hammond, one of stalwart members of the Section, passed away. Jim served as a Section Councilor for many years, spearheaded the effort to revise the Section's bylaws, was instrumental in involving the Section in Project SEED, served as historian of the Section, contributed significantly to the success of the event celebrating the 50-year anniversary of the Section, and contributed in many more ways. Although at times there were disagreements, I always knew that Jim's input came from a deep-seated love for the San Gorgonio Section. He will be missed. (Continued on Page 16)

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San Gorgonio Section Annual Meeting

Thursday, November 30, 2017 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! Jose Benitez-Ponce, our Project SEED participant this year will describe his project and we will discuss the future of this successful program. The Chemistry program at UCR is expanding significantly with new areas of exploration being added each year. One or two of the UCR faculty will provide a brief overview of the research being done in some of these areas. The upcoming election for 2018 officers will be discussed and additional 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

Misael Tovar-Diaz, Project SEED participant

What's new in Chemistry at UCR

Overview of planned 2018 Section activities

High School National Chemistry Olympiad

Science Café: Chemistry and Harry Potter

Project SEED

National Chemistry Week

Brainstorming: What are possible future directions and

activities for the Section?

Upcoming election of officers for 2018

Adjournment

Reservations: Please RSVP to <u>dpedersn@csusb.edu</u> or <u>edimauro@mtsac.edu</u>, **no later than Monday, November 27.** 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. (*Continued on Page 16*)

Annual Meeting (Continued from Page 15)

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 person that you are a participant in the ACS meeting in the Chemical Sciences Bldg 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.

Chair's Message (Continued from Page 14)

I close with sending best wishes to you and yours for all of the upcoming holidays and the new year. Let's all work to make 2018 an even better year for the San Gorgonio Section.

Dennis Pederson, Chair

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Ways You Can Become Involved in the San Gorgonio Section

You can become an Officer: Nominations are now being solicited for Chair-Elect, Treasurer, Councilor, and Alternate Councilor.

You can be a member of one of the committees. This will require no more than a average of 2-3 hours per month.

Committees and major activity of each:

Education: Chemistry Olympiad

Communication: Web page and Social Media

Program: Program planning for one monthly program Liaison: Serve a Section liaison at a University, College, or

Industrial Site

National Chemistry Week

You can try to attend at least one Section meeting a year

Become an Active Member of your ACS Section!

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Bi-Section Chemists' Calendar

For more information on these events, please check our website at www.scalacs.org

November

- Deadline for SC High School Teacher of the Year Award—see page 9
- 30 SG Annual Meeting at UC Riverside—see page 15

<u>December</u>

- 6 SC Agnes Ann Green Award Dinner honoring Brian Brady—see page 3
- Deadline for the 2017 Tolman Award nominations—see page 8

We wish you a very Happy Holiday Season!