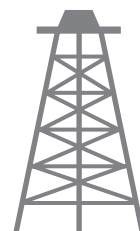




# Pacific Petroleum Geology



NEWSLETTER

Pacific Section • American Association of Petroleum Geologists

May & June 2019



**Remembering Our Members,  
2019 Annual Meeting with Honors & Awards,  
PSAAPG Officer Candidates, Teacher of the Year,  
and Van Couvering Student Awards**

# THANK-YOU

## California Resources Corporation.

For your continued support of local students.  
Your sponsorship funded many student dinners  
at SJGS scientific talks in 2018-2019.



### PAYZONE INC.

*Geological, Geophysical, and Petrophysical Consulting Services for the Petroleum Industry* 661-387-1715

- Accurate, consistent fieldwide reservoir properties for modeling, OIP, and improved heat management in thermal projects
- Old E-Log interpretation

- Image log interpretation and integration with petrophysical analysis
- 2D/3D seismic interpretation, expertise in old 2D data
- "Mystery logs" and other difficult log problems

Our petrophysical models for siliceous shales and California sands are based on over 30 years of experience with these rocks, including core, log, and lithology data from every basin in the state

Deborah Olson, President  
dmolson@payzoneinc.com  
661-747-0375

***Have a log question? Give us a call!***

[www.payzoneinc.com](http://www.payzoneinc.com)

Tom Howard, Image Analyst  
tomh@payzoneinc.com  
832-407-2862

# ROCK SOLID EXPERIENCE



**Core Lab**  
RESERVOIR OPTIMIZATION

**[www.corelab.com](http://www.corelab.com)**  
**661-325-5657**

© 2013 Core Laboratories.  
All rights reserved.



## 2018-2019 Officers

President	Richard Behl 562-985-5850 Richard.Behl@csulb.edu president@psaapg.org
President-Elect	Becca Schempp 661-412-5101 Becca.Schempp@crc.com president-elect@psaapg.org
Vice President	Mike Clark 661-378-8134 rocksniffer@aol.com vicepresident@psaapg.org
Secretary	Jlynn Bowen 661-665-5281 jmbowen@aeraenergy.com secretary@psaapg.org
Treasurer 2018-2019	Lisa A. Alpert 661- 665-5557 laalpert@aeraenergy.com treasurer@psaapg.org
Treasurer Elect 2018-2019	Simmie Chehal 661- 665-5738 SKChehal2@aeraenergy.com treasurer@psaapg.org
Past President	Mike Nelson 805-535-2058 mnelson@dcorllc.com
Editor-in-Chief 2018-2020	Brandi Johnson 949-735-7998 brandi.johnson@chevron.com editor@psaapg.org

## Staff

Web Master	Taylor Carrasco 562-624-3259 Taylor.Carrasco@crc.com
Membership Chair	Simmie Chehal 661- 665-5738 SKChehal2@aeraenergy.com
Publications Chair	Larry Knauer 661-205-4463 laknauer@aol.com
Advisory Council Representative 2018-2021	Anne Draucker 661-654-7454 annedraucker@chevron.com

<b>4</b>	<b>President's Message</b>	<i>Richard Behl</i>
<b>5-6</b>	<b>In Memoriam</b>	<i>John Coash, Edward Cahill, Cindy Williams</i>
<b>7-8</b>	<b>Teacher of the Year</b>	<i>Laura Branch</i>
<b>11-13</b>	<b>Convention Wrap-Up</b>	<i>Richard Behl</i>
<b>14-17</b>	<b>Convention Honors &amp; Awards</b>	
<b>19</b>	<b>Van Couvering Student Award</b>	
<b>20-22</b>	<b>PSAAPG Officer Candidates</b>	

**COVER PHOTO:** PSAAPG Annual Meeting Field Trip to view Monterey Formation, California.

### PSAAPG Newsletter has now gone DIGITAL!

In an effort to reduce overhead and provide meaningful programs to our membership and the community, PSAAPG has decided to go DIGITAL! For those members still wanting hard copies of the newsletter, please email **editor@psaapg.org** or write to us at:

Pacific Section AAPG  
P.O. Box 1072  
Bakersfield, CA, 93302

- CONTACT THE EDITOR at editor@PSAAPG.org
- Images (graphics, photos, and scans) must be at least 300 dpi resolution. Text should be at least 600 dpi.
- Scanned photos, illustrations (line art) or logos should preferably be submitted as a .tif, .gif, or .bmp; jpeg is OK.

### Advertising Rates

Members	Single Issue	Year (6 issues)
Full Page	\$200.00	\$800.00
Half Page	\$125.00	\$525.00
Quarter Page	\$75.00	\$325.00
Business Card		\$125.00

Advertisements reduced price by 50%  
due to drastic drop in oil prices

### Societies Free Advertising:

Convention: Unlimited Space in PSAAPG Newsletter  
Societies: 1/4 Page in AAPG Explorer

## Dear Pacific Section AAPG Members,

Have you heard of the term “force-multiplier”? In military science, “force multiplication” refers to a factor that gives personnel the ability to accomplish greater things than without it. To an engineer, it might be a device that reduces the amount of force necessary to move an object. To a business, force multiplication could be obtaining valuable or creative financing that allows it to move faster and farther than they could by leveraging their own cash reserves. To humanity, force multiplication is developing more human capital to address the key issues and needs that we need to prosper.

Working alone, we may be successful or not, but when we work as a team, we can always (at least) attempt larger, more complex projects than we could do by ourselves. Wow – did I see this in the organization of our last conference! We could not have pulled this off without the generous and effective contributions of other PS-AAPG members – Mike Clark, Courtney Marshall, Becca Schempp, Larry Knauer, Lisa Alpert, Nicky Oliver, Bob Lindblom, Tom Kelty, Karla Tucker, Maia Davis, Leo Giannetta, Megan Mortimer-Lamb, Gary Myers, Dan Hollis and others.

Where the power of numbers really kicks in is when you geometrically increase your capability to do good work by mentoring or inspiring others, passing on your experience and expertise to another generation of professionals – geoscientists in our case. 1 – 2 – 4 – 8 – 16 – 32 – 64 ...!!!

As a college professor, I get to see this more clearly and easily than some of you might have the opportunity to. My students are out doing amazing things throughout the world. They are petroleum geologists, hydrologists, environmental scientists, laboratory

researchers, high-school teachers, leaders in our professional societies and in their communities... and the list goes on. Now, many of them are mentoring or teaching the next generation of young scientists. And, so it goes: 1 – 2 – 4 – 8... I love it!



When you get asked – whether it is to visit and elementary school, help out a less-experienced colleague, or being part of the AAPG Visiting Geoscientists Program – say “yes”! It is rewarding, and may be more important or transformational than you realize. Remember the power of exponential growth – your generous contributions reach out much farther than your direct action.

**Richard (Rick) Behl**

PSAAPG President, 2018-2019

## John Russell Coash

September 24, 1922 - March 21, 2019

On March 21, 2019, John (Jack) Coash, 96 years old, long time Bakersfield resident and educator, passed away peacefully at home surrounded by his loving family.

John was born in Colorado among the mountains he loved, studied, and eventually taught about to generations of students. His adoptive parents were Grace and Art Coash. Growing up in Cleveland, Ohio, John graduated from John Marshall High School in 1940. He then enrolled at Colorado College in Colorado Springs. During World War II, John served in the Army Signal Corps, stationed in India. He returned to college in 1946, majoring in Geology, graduating in 1947. He entered graduate school at the University of Colorado at Boulder, where he received his master's degree in 1949. During the time in Boulder, John met and married (June, 1948) Emily Judd Rocque, an ex-Navy nurse, and a student in Public Health Nursing. They were married for 62 years until her death in 2010.

In 1949, John and Emily moved to Ohio, where John was Professor of Geology, Chair of the Dept., and Assistant Provost at Bowling Green State University. They lived in Bowling Green for 17 years, except for one year in New Haven, Ct. where John earned his Ph.D. in Geology at Yale University (1954). John and Emily raised three children in Bowling Green and the family joined him for many fun summers at university field camps in Nevada and Colorado.

The family lived in New Delhi, India in 1966, where John was supervisor for the National Science Foundation and AID summer institutes for college teachers. The family moved from India to Washington D. C., as John accepted an appointment with NSF. Two years later John had the opportunity to help start a new state college in California and the family moved to Bakersfield, where John served as founding Dean of Science and, later, as Dean of the School of Arts and Sciences at California State University, Bakersfield, until his retirement in 1987. CSUB continues to be a growing, thriving entity and John's thousands of students have spread far and wide.

John was preceded in death by his wife Emily, and son, John. He is survived by: son Tom (a playwright and professor) and his wife Julia; daughter Mary (nurse and Healthcare Executive); Mary's two sons, John and Michael; Michael's wife Angelina and their two children Hazley and Mazen. Also, Somsavanh (Vanh) Mancevice, a former foreign exchange student from Laos, who with her daughters, Isabeau, Ariel, and Kira have been a part of the family for many years.

A memorial service will be held on Friday, March 29 at 4pm at the Doughty-Calhoun-O'Meara Funeral Home, 1100 Truxton Ave., Bakersfield, Ca.

In lieu of flowers, we ask that donations be made to the: Dr. John & Emily Coash Scholarship Endowment Fund (or a educational fund of your choice), CSUB Foundation, 9001 Stockdale Hwy, #AW19, Bakersfield, CA 93311. Questions may be directed to Kim Halbwachs: 661-654-3994.

*Published in Bakersfield Californian on March 27, 2019*



Read more about John in his biography on the California Well Sample Repository website:

<http://www.wellsample.com/bios.html#coash>

## Edward Cahill

May 23, 1934 - April 15, 2019

Edward 'Ben' Cahill passed away surrounded by loving family on April 15th, 2019 in Auburn. Born May 23rd, 1934 in Honolulu, Hawaii to John and Abigail, Ben was brother of John, Willie, Andrea, and Myrtle, devoted husband of Mauraid, loving father of Clayton and Jason, and doting grandfather of Jade. A UoP alum & college football player, he later became a successful business owner. A summer celebration is planned (date TBD). Ua hele i ke alamaaweiki.

*Published in The Sacramento Bee on Apr. 21, 2019*



## Cindy B. Williams

May 26, 1957 - May 1, 2019

Loving husband John Williams, a very active member of the PSAAPG, AAPG and CGS, writes:

My sweet Cindy Williams passed away early on May 1, 2019 at 61 years young. Together, Heath, Scarlett, Addison and I cared and comforted her until the end. Cindy endured a very rare autoimmune-pulmonary hypertension condition (PAH) that was diagnosed in August 2018. She was admitted to Cottage Hospital MICU Santa Barbara on Valentine's Day; then on April 1st she was moved to Barlow Respiratory Hospital near Dodger Stadium Los Angeles. She never gave up and fought to live. She was very optimistic and happy, although concerned. Cindy was improving! For 6 full days she was off the ventilator and started to walk. On Easter Sunday she began declining and could not recover, oxygen stopped transferring to the blood because of her condition.

Cindy was my life time friend, love and partner. We met in 1974 on a European humanities tour. She liked the geologist type and cared for me for 40 married years, we raised three geologist/engineer type children, plus she loved her three grandchildren. We lived in Bakersfield, Lafayette LA, Valencia and Ventura, CA. When I worked at Tenneco on Stockdale Hwy she worked at Walter Mortenson INS across the street. In Ventura she taught elementary school for 12 years. Cindy enjoyed going with me to CGS and SJGS meetings, BBQ's and conventions. She participated at all the AAPG and Pacific Section Conventions and kept our Petrolog booth right, stocked with red vine. She was truly warm and caring of all the geologists who stopped in to talk and reminisce as we do at those events. Cindy will be missed.

The service for Cynthia (Cindy) B. Williams will be Saturday, June 8th, 10am, in Ventura, at Trinity Lutheran Church, followed by grave side burial at Ivy Lawn Cemetery. The reception is TBA.

John T. Williams  
459 Dorothy Ave  
Ventura, CA 93006  
(805) 231-3793  
jtw@petrolog-geological.com





# California Educator Named AAPG Foundation's 2019 Teacher of the Year

**Gretchen Flint**

Programs Communication Representative

*Published in the April 2019 issued of The Explorer*

The AAPG Foundation is proud to announce the recipient of the 2019 Teacher of the Year award, Laura Branch. Branch teaches AP environmental science, geology and general science classes at Ernest Righetti High School in Santa Maria, Calif.

Branch encourages students to learn about natural resources and the Earth's processes with her pedagogical philosophy of "inquiry-based experience." By incorporating geographic features and the environment that shaped their home state, students study "both the deposition of gold approximately 65 million years ago and the deposition of oil before the coast ranges existed," she said. "We also touch upon how important the San Andreas Fault is to the oil traps of our area."

Branch obtained her career technical education credential within the energy, environment and utilities sector, after which she planned a CTE pathway in environmental resources and sustainability, partnering with the AP biology teacher at her school.

"We have aligned our curriculum with the Next Generation Science Standards, using sustainability and natural resources as our phenomenon," she said. In preparing her students for the future, she said, "the idea behind this is for students to be career-ready within the sustainability and natural resources industry in our local area."

## 'A Model Teacher'

LeeAnne McNulty, director of Institutional Grants at Allan Hancock College, described Branch as "a model teacher." She explained that Branch's students "work in teams, get dirty, every student is involved, and learning becomes, at its essence, student-driven curiosity, exploration, team building, research-oriented and designed in such a coordinated way that the standards are learned and reveal themselves as students test theories and learn through fluid projects."

Branch has led student field trips to Death Valley and the Amazon rainforest.

"This summer will be my fourth trip to the rainforest to teach about the natural resources of the Amazon River along with data collection techniques," she said.

Branch has strong support from her school's administration team. "Laura continuously incorporates her life experiences into her lesson planning," said Karen R. Rotondi, principal at Righetti High School. She described Branch as "a 20-year teacher, still giddy with excitement when sharing the





wonders of our Earth with both students and staff ... her enthusiasm for geology is contagious!" Rotondi also said that Branch works "extremely hard to ensure that her students receive the best hands-on and relevant projects and units ... Nothing but the best for her kids."

Not only does she enrich her students' knowledge and experience with field trips, Branch also creates opportunities for her students after graduation. Rebecca Rehder Wingerden, science department chair at Ernest Righetti High School, said that Branch offers students opportunities to "earn environmental industry sector certificates, such as OSHA's General Industry and HAZWOPER" and that she "works tirelessly with local industries to secure internships for her students, as well as with our local community colleges to provide cross-curricular credit."

Branch said she sees her teaching position as her "dream job." She said she feels fortunate to teach subjects that she loves, "... to explain about the natural resources, disasters of California and about the environment we live in ... while working with industry partners to bring both hard and soft skills to my students."

"My greatest hope is that I have made a positive contribution to the world around us," Branch added.

The AAPG Foundation annually awards the TOTY Award to a K-12 teacher within the United States who exemplifies outstanding achievement in teaching Earth sciences. The award includes a cash prize of \$6,000 – half for Branch's personal use and the other to Righetti High School's use for educational purposes under Branch's supervision.

Branch will also receive an expense-paid trip to attend AAPG's Annual Convention and Exhibition in San Antonio in May to receive her award.

## Honorable Mentions

Honorable mentions for the 2019 Teacher of the Year are awarded to Rebekah Kienenberger, an Earth science teacher at Arete Preparatory Academy in Gilbert, Ariz.; and Charles Schepke, who teaches Earth science at Roscommon High School in Roscommon, Mich.



**Third Edition Now Available**

***Geologic Guidebook to the  
Long Valley-Mono Craters  
Region of Eastern California***

**by Steven R. Lipshie**

**397 + xxviii pages, with 136 figures  
(91 in color), 11 tables, and 13 stop  
location maps (in color)**

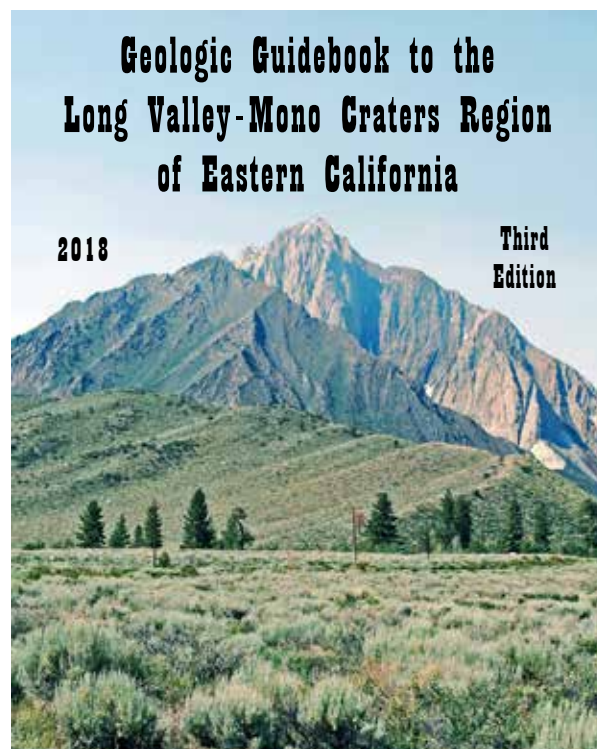
*Price: \$50 plus shipping*

To order, contact:

Geological Society of Nevada

email: [gsn@gsnv.org](mailto:gsn@gsnv.org)

phone: (775) 323-3500



**Geological Society of Nevada**

**PSAAPG Membership Directory**

The PSAAPG website will have a members-only password-protected membership directory available as of March 1, 2018

Please email [SKChehal2@aeraenergy.com](mailto:SKChehal2@aeraenergy.com) if you do not want your name listed. There will also be a checkbox for this on the PSAAPG membership renewal form that goes out before the end of this year.

**GREGORY GEOLOGICAL SERVICES**

**Glenn J. Gregory**

Calif. Prof. Geol. #3676

8804 O'Meara Ct.  
Bakersfield, CA 93311

(661) 747-5065

[glenng@bak.rr.com](mailto:glenng@bak.rr.com)



GEOLOGICAL LOGGING INC.  
9229 Beatty Drive, Suite B  
Sacramento, CA 95826  
(916) 452-9570 Tel  
(408) 307-4653 Cell  
(916) 452-9573 Fax  
[david@geologinc.net](mailto:david@geologinc.net)

DAVID BURROUGHS  
President

[www.geologinc.net](http://www.geologinc.net)

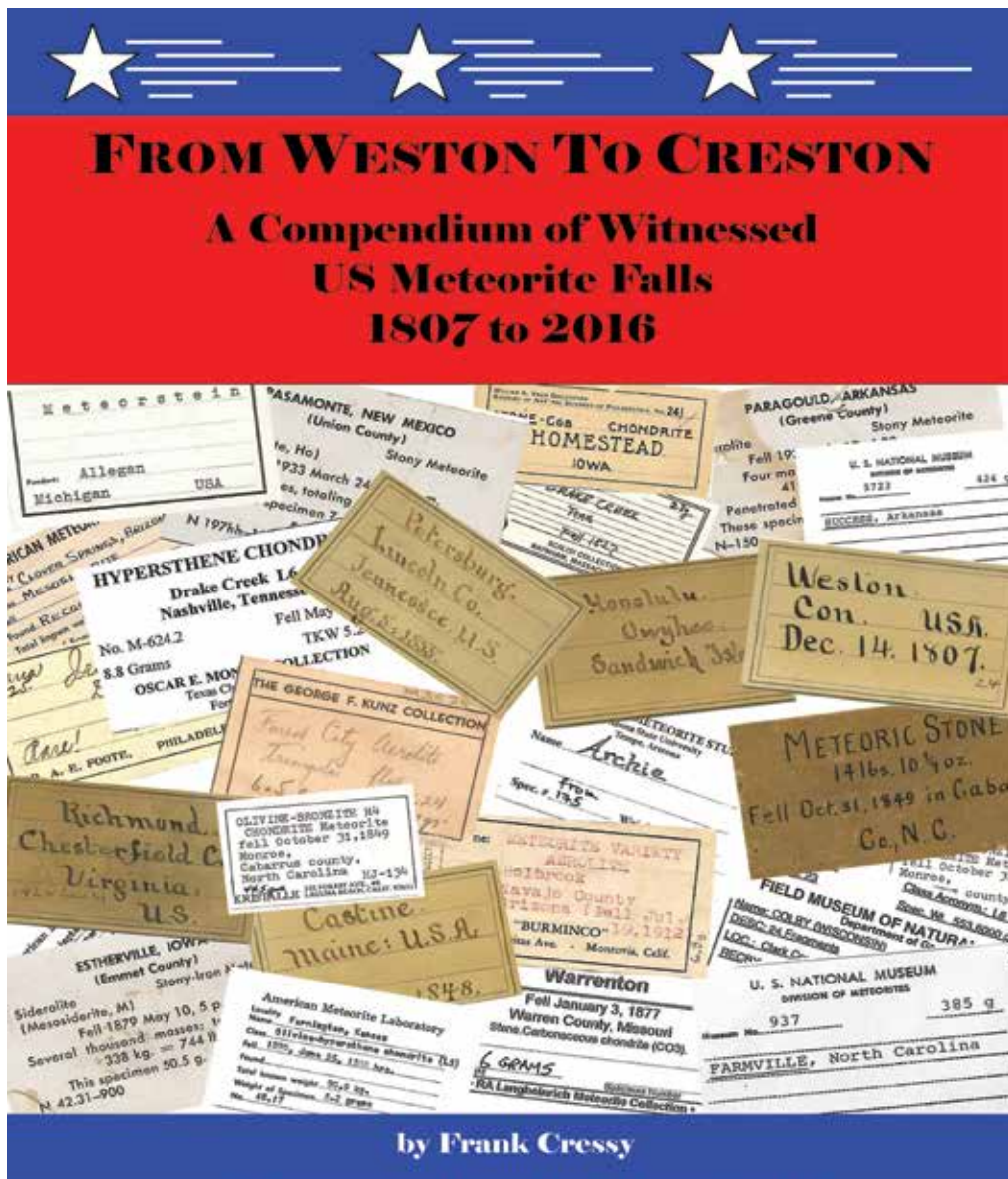
## New Publication

# **“FROM WESTON TO CRESTON – A Compendium of Witnessed US Meteorite Falls – 1807 to 2016”**

by Frank Cressy

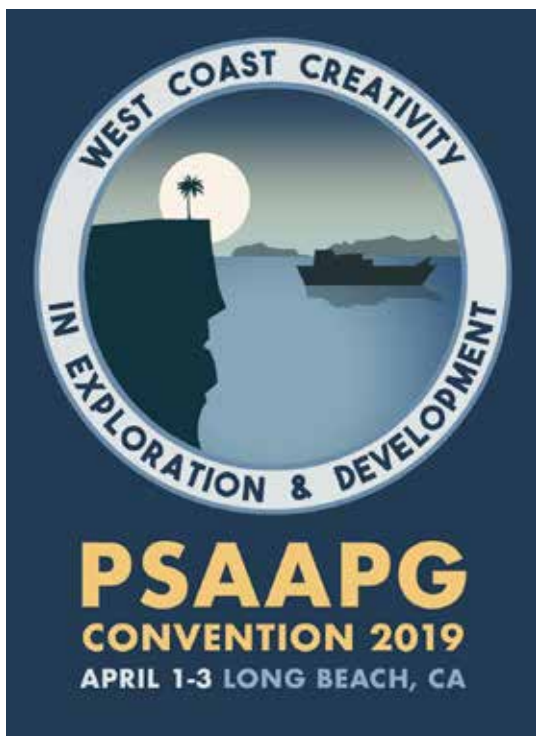
The violent display of blazing light and explosive sounds ending with meteorites crashing to the ground is an unforgettable event to those who witness it firsthand. This book summarizes the fall histories of nearly 170 witnessed meteorite falls that have occurred in the United States since the first documented fall at Weston, Connecticut in 1807. It is written not only for the collector of these rare objects, but also for those interested in the history and the growth of the branch of science known as Meteoritics. The accounts of the fall phenomena and recoveries associated with these extraordinary events are the focus of the book. However, the book is more. The reader will learn about those individuals responsible for the growth of the science and their contributions, together with interesting facts and coincidences about these visitors from space; 257 pages with over 300 color photos plus maps, figures and illustrations.

Soft Cover books \$36.00; for ordering, contact: [fcressy@prodigy.net](mailto:fcressy@prodigy.net)



## 2019 Pacific Section AAPG-SEPM-SEG Conference in Long Beach, California

Written by: Richard Behl



On April 1st to 3rd (Monday-Wednesday), more than 150 petroleum geologists, students and colleagues gathered at the iconic blue Walter Pyramid at California State University Long Beach for the 2019 Convention of the Pacific Sections AAPG, SEPM and SEG. Their host was the Los Angeles Basin Geological Society. The meeting was a break from tradition, with a strong focus on field experiences for nearly everyone and an encouragement of out-of-the-box thinking. Approximately 100 people participated in each of the two field trips, which began and ended the 3-day meeting. These field trips book-ended a full day of technical oral and poster presentations along with two mixer/receptions and an All-Conference Awards Dinner attended by nearly everyone.

The field trips were superbly organized by leaders Wanjiru Njuguna, Rick Behl, Dan Schwartz and Don Clarke and stimulated much conversation and comradery that continued throughout the rest of the conference. The first field trip examined a spectacularly exposed stratigraphic succession of the Miocene Monterey/Modelo Formation during a 2-mile walk

along the beautiful beach between Paradise Cove and Point Dume, in Malibu. The second field trip visited the fantastic cliff exposures of the Upper Miocene-Pliocene Capistrano Formation at Dana Point Harbor and San Clemente State Beach. These field guides and a couple of related articles are documented in a gorgeous volume, "2019 Pacific Section AAPG Conference Guidebook: Deep-water Stratigraphy and Stratigraphic Architecture of the Los Angeles Basin, Monterey and Capistrano Formations". If you didn't make the meeting, you can order one from PS-AAPG Publications.

The technical presentations on Monday evening and Tuesday were excellent and stimulating. Thirteen interesting posters were intercalated with exhibitor booths and food and drink to make a lively, interactive environment. The oral presentation sequence (organized by Technical Chairs Courtney Marshall and Russell Shapiro) was inspired as it progressed and expanded from geophysics to fluids to case studies and evaluating data in a new light to regional studies and opportunities and the future of energy in California. The oral session ended with stimulating discussions of offshore trends, carbon neutrality in the oil industry and how subsurface analysis skill will continue to provide new opportunities for petroleum geologists in the new energy economy.

Although a much smaller meeting than last year's in Bakersfield, the enthusiastic participants more than made up for it in volume, energy and intensity. The field trips, great food and abundant drink helped, too. All in all, it was a very productive and invigorating time for everyone.

Hope to see you all at the Mandalay Bay Resort in Oxnard/Ventura on April 5-8 for the 2020 convention with a full itinerary of technical sessions, short courses and field trips!

See photos from the convention events on the following pages.





Left to Right: Cameron Campbell, Tony Reid, Rick Behl, and Larry Knauer at the Publications Booth



Left to Right: Mario Caputo & Mark Wilson at the Pacific Section SEPM Publications booth



Left to Right: Vaughn Thompson, Tom Hopps, and Dan Schwartz



Left to Right: Malcolm Allen and Megan Mortimer-Lamb discuss the details of her poster



All-Conference Awards Dinner was a great time for ~150 people



A whole bunch of happy field-trippers!





Interbedded diatomite and sandstone in the Monterey/Modelo Formation on Field Trip #1



Thinly interbedded sandstone and porcelainite in the Monterey Formation on Field Trip #1



The trek up the "Stairway to Heaven" at the end of Field Trip #1, near Point Dume



Interbedded diatomite and sandstone in the Monterey/Modelo Formation on Field Trip#1



Wanjiru Njuguna gives introductory context for Field Trip #1 at Paradise Cove, Malibu. Buses used to be made of metal and you could use magnets to hold up the posters, but now they are fiberglass and plastic – need to bring tape!



Lovely exposures of channelized conglomerate and sandstone in the Capistrano Formation on Field Trip #2

## 2019 Pacific Section AAPG Honors & Awards

Presented by: Richard Behl & Bob Lindblom

The Pacific Section's 2019 Honors & Awards were given to the respective recipients at the Annual Meeting of the Section held in Long Beach at the Pointe Conference Center Walter Pyramid during the All Convention Dinner on April 2, 2019. Photographs were taken of each awardee with Richard Behl & Bob Lindblom.

### Committee on Honors and Awards

The purpose of the Committee on Honors and Awards (CH&A) as listed in the ByLaws, Article 2, Section 9 of the Pacific Section AAPG states:

"The primary function of the Committee on Honors and Awards shall be to recommend to the Executive Committee recipients for all honors and awards. All recommendations for these honors and awards by Section members or other Section committees shall first be considered by this Committee before being presented to the Executive Committee for approval. Following Executive Committee approval, the awards will be presented at the Annual Meeting of the Section."

### Committee Members

Bob Lindblom, Chair, Northern CA, AK

Jack H. West, San Joaquin Valley CA

Robert C. Countryman, San Joaquin Valley CA

Tom Hopps, Coastal Area CA

John Williams, Coastal Area CA

Don Clarke, Southern CA

### H. Victor Church Memorial Award

The H. Victor Church Memorial Award is given by the Pacific Section American Association of Petroleum Geologists in recognition of the best poster presented at the annual Pacific Section meeting. The H. Victor Church Memorial Award was established as the result of individuals wanting to build a lasting memorial to the technical prowess of Dr. H. Victor Church. The focus of the award is on creative thinking toward new ideas in exploration, development geology, or foundational geology. Peers judge the posters at each session and scores are compiled and reviewed by the convention judging committee to determine the overall winner.



The Award is a beautiful walnut plaque with a brass seal of the Association and a large brass plate engraved with the name of the award, the name of the Section meeting and the name of the author whose poster is judged best. The presentation of the Award will be at the 2017 Pacific Section AAPG Annual Meeting in Anchorage, Alaska.

The winner of the Best Poster presented at the Pacific Section AAPG Annual Meeting in Bakersfield, CA, April 22-25, 2018 is **Daniel E. Schwartz, PhD**, Bakersfield, CA. The Poster is entitled ***"Source-to-Sink Analysis of the Tributary System that Fed the Mio-Pliocene Capistrano Formation Channel Complex at Dana Point Harbor, Orange County, CA."***



## A. I. Levorsen Memorial Award

The A. I. Levorsen Memorial Award is given by the national American Association of Petroleum Geologists in recognition of the best paper presented at each AAPG section meeting, with particular emphasis on creative thinking toward new ideas in exploration and developmental geology. AAPG members who volunteer their time at each meeting judge the papers in each session. The session scores are compiled and reviewed by the convention judging committee to determine the overall winner.

The Award is a diamond shape crystal displaying the AAPG emblem and Section name. The crystal is mounted on a wood base with a gold plate inscribed with the recipient's name, year, and name of the award winning paper. The award was established as the result of contributions from many individuals and societies who wished to contribute to a lasting memorial to A. I. Levorsen.



The winner of the Best Oral Presentation of a Paper given at the Pacific Section AAPG Annual Meeting in Bakersfield, CA, April 22-25, 2018 is **Yannick Wirtz**, Earth Consultants, Newport Beach, CA. The paper is entitled ***“Why Structural and Stratigraphic Surface Observations in the Monterey and Sisquoc Formations, Southern Santa Maria basin, CA is a Critical Element to better Understand the Quality and Style of Structures in the Subsurface.”*** The co-author is Richard Behl, PhD, CSU Long Beach, Long Beach, CA

## Young Professional Distinguished Service Award

The YP Distinguished Service Award was defined and proposed by the Section's Executive Committee in 2014. It will be first presented at the Section's Annual Meeting in Oxnard, CA in 2015. The award is bestowed upon practicing petroleum geologists who are under 35 years of age or who have been employed as a petroleum geologist for less than 10 years. The Honoree has volunteered and demonstrated excellence, enthusiastic participation, organization creativity, leadership and passion for the geological sciences.

**This year the Section honors:**

**Adriana ‘Nicky’ Oliver, Lakewood, CA**

**Courtney J. Marshall, Bakersfield, CA**



## Distinguished Service Award

The Distinguished Service Award was defined and proposed by the Section's Executive Committee and passed by the membership in 2002. It was first presented at the Section's annual meeting in Long Beach in 2003. The award is bestowed upon members "in recognition of singular and beneficial long-term service to the Section and or affiliated Societies. The term singular does not necessarily mean without precedent, But rather the activity is specific as distinguished from general service."

**This year the Section honors:**

***Pamela Ceccarelli, Folsom, CA***



***Robert A. Horton, Jr. PhD, Bakersfield, CA***



***Vaughn G. Thompson, Santa Paula, CA***



## Distinguished Educator Award

The Distinguished Educator Award is given by Pacific Section in recognition of distinguished and outstanding contributions to geological education and counseling of students.

**This year the Section honors:**

***Eugene R. 'Kip' Hering III, Escondido, CA***

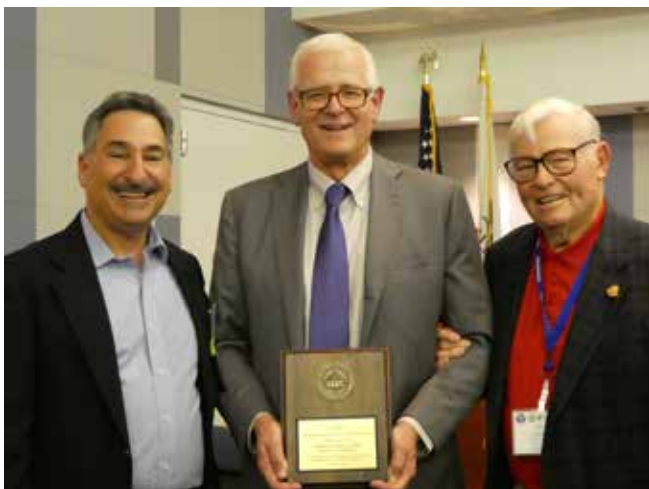


## Honorary Life Membership

Honorary Life Membership is Pacific Section's highest honor. It is bestowed upon members who have distinguished themselves by their contributions and devotion to the science and profession of petroleum geology and by outstanding service to the Pacific Section.

**This year the Section honors:**

***Daniel E. Schwartz, PhD, Bakersfield, CA***



***James M. Hill, Sr., Camarillo, CA***





## RockWork

by; David Crane



No...Your field compass doesn't need recalibration because of Daylight savings.

JeffSande@bak.rr.com

**SANDE OIL FIELD GEOLOGY**  
Get things done. Make more oil.

**JEFF SANDE**  
Oil Field Geology Consultant

California Professional Geologist #9689  
Bakersfield, CA 661-209-7859

Let my 33+ yrs of California oil field experience help you with:

- Reservoir Description
- Oil/Gas In Place Determination
- Development Plans; Drilling Programs; Secondary and Enhanced Recovery Programs
- Reservoir Surveillance and Project Optimization
- Permitting Support
- Acquisitions and Divestiture Support

California Professional Geologist #9689

**SANDE OIL FIELD GEOLOGY**



## The Martin Van Couvering Award for Students

The Martin Van Couvering Award was created in 1972 and is given to worthy Geoscience students from Universities in the watershed of our annual meetings to encourage attendance at Pacific Section AAPG Annual Conventions. There were ten awardees this year and each was given a registration to the event by the Pacific Section AAPG Foundation.

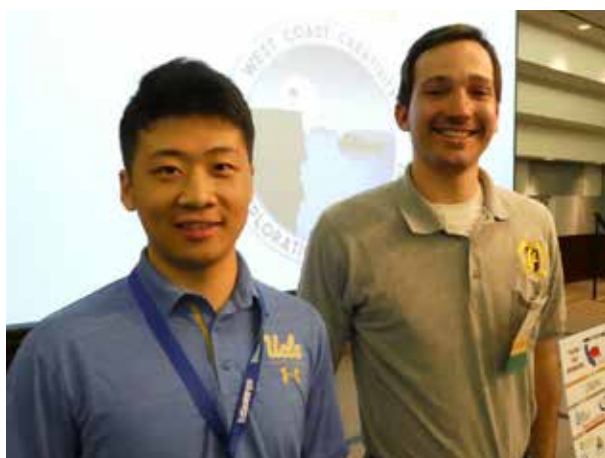
*Priscilla Martinez, CSUF*



*Francine Cason & Justin Arakaki, CSULB*



*Kobe Wang & Kevin Coffey, UCLA*



*Rachel Hohn, Hannah Sloan, & Isabel Pina, CSUN*



*Madison Burvant & Mark Korte-Nahabedian, SDSU*



# PSAAPG Officer Candidate Elections

## President-Elect

**Courtney Marshall**



### EDUCATION

- MS, Geology, CSU Long Beach, 2012
- BS, Geology, CSU Long Beach, 2008

### EMPLOYMENT

- Exploration Geologist, California Resources Corp, 2019- now
- Business Dev Geologist, California Resources Corp, 2018-19
- Regulatory Geologist, California Resources Corp, 2015-2018
- Asset Team Geologist, California Resources Corp, 2013-2015
- Development Geologist, California Resources Corp, 2010-13

### PRIOR SERVICE (abridged)

- Technical Chair, 2019, PSAAPG Conference
- Short Course Chair, 2018, PSAAPG Conference
- Vice President, 2015-2016, San Joaquin Geological Society
- Poster Chair, 2015, PSAAPG Conference
- Field Trip Co-Chair, 2014, PSAAPG Conference
- Short Course Chair, 2013, PSAAPG Conference

**Vaughn Thompson**



### EDUCATION

- MS, Geology, University of Utah, 2009
- BS Geology, Nelson Mandela Metropolitan Univ, 2002

### EMPLOYMENT

- Chief Geologist, Carbon California Co, 2017 – Present
- Occidental Corp/CRC, Senior Geologist, 2010 – 2017
- Geologist, Energy & Geoscience Institute, 2006 – 2010
- Geologist, Petroleum Agency of South Africa, 2003 – 2006

### PRIOR SERVICE (abridged)

- Recipient of the PSAAPG Distinguished Service Award, 2019
- Chair of the AAPG, DPA Ethics Committee, 2017 – Present
- Logistics Officer, Coast Geological Society, 2018 – Present
- Tech Chair, first AAPG-DPA California Playmaker Forum, 2016
- Co-recipient, 1st Young Professional Distinguished Service Award, 2015
- Newsletter Editor-In-Chief, PSAAPG, 2014-2018
- President/Vice President San Joaquin Geological Society, 2012-2014
- AAPG Africa and Rocky Mountain Representative AAPG, 2008- 2010



## Vice President

### Plamen N. Ganev, PhD

#### EDUCATION

- MBA, Anderson School of Business, UCLA, 2016
- PhD, Geology, University of Southern California, 2011
- BA, Geology & Economics, Whittier College, Summa Cum Lade, 2002

#### EMPLOYMENT

- Strategic Planning/Portfolio Analyst, Aera Energy, 2016-now
- Strategic Business Development Geologist, Aera Energy, 2015-2016
- Production Geologist, Aera Energy, 2014-2015
- Exploration Geologist, Aera Energy, 2011-2014
- Adjunct Faculty, Geology Department, Santa Monica College, 2012

#### PRIOR SERVICE (abridged)

- Technical Chair, 2019, PSAAPG Conference
- Short Course Chair, 2018, PSAAPG Conference
- Vice President, 2015-2016, San Joaquin Geological Society
- Poster Chair, 2015, PSAAPG Conference
- Field Trip Co-Chair, 2014, PSAAPG Conference
- Short Course Chair, 2013, PSAAPG Conference



## Treasurer-Elect

### Lisa Alpert



#### EDUCATION

- PhD, Geophysics, USC, 2012
- MS Geology, CSU Los Angeles, 2006
- BS Geology, CSU Los Angeles, 2003

#### EMPLOYMENT

- Geologist, Aera Energy, 2012-present
- Bookkeeper, various employers, Los Angeles, 1995-2007

#### PRIOR SERVICE (abridged)

- Treasurer, PSAAPG, 2018-2019
- Treasurer-Elect, PSAAPG, 2017-2018

### Jennifer Prosser



#### EDUCATION

- M.S. Geology, 2019, California State University, Bakersfield
- B.S. Geology, 2012, California State University, Bakersfield

#### EMPLOYMENT

- Geologist/Project Manager, EnviroTech Consultants, Inc., 2016 - now
- Geoscience Technician, California Resources Corp & Occidental Pet, 2014 -2016

#### PRIOR SERVICE (abridged)

- Treasurer, San Joaquin Geological Society, 2017-2019, Bakersfield

---

## Secretary

### Wanjiru Njuguna



#### EDUCATION

- M.S. Geology, 2016, California State University, Long Beach
- M.A. Geography, 2006, California State University, Long Beach
- B.S. Geology, 2001, Tufts University, Medford, MA

#### EMPLOYMENT

- Senior Geologist, Southern California Gas Co, 2018-present
- Adjunct Instructor, El Camino College, 2016-2018
- Staff Geologist, California Resources Corp, 2007-2016

#### PRIOR SERVICE

- Secretary, Los Angeles Basin Geological Society

### Pedro Arredondo



#### EDUCATION

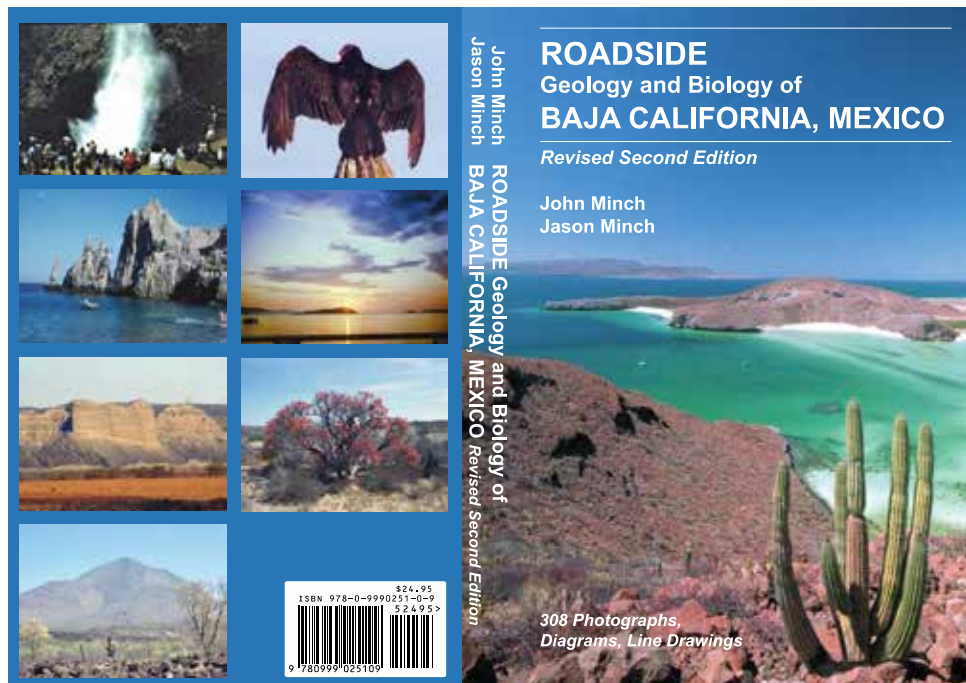
- MS Geology, CSU Bakersfield, In-progress (Fall 2019)
- BS Geology, CSU Bakersfield, 2011

#### EMPLOYMENT

- Geologist, California Resources Corporation, 2016 – Present
- Geoscience Specialist, California Resources Corporation, 2012-2016
- Geoscience Assistant, California Resources Corporation, 2011-2012
- Geophysical Tech, CSU Bakersfield, 2010-2011

#### PRIOR SERVICE

- CSU Bakersfield, Geology Club President, 2009-2010



## Roadside Geology and Biology of Baja California

John Minch and Jason Minch

Second Edition, completely updated and revised - Over 300 color photos, sketches, and drawings, 6x9, full color, 288 pages, Includes Rock charts, Geologic time scale, References, Glossary, Index

**Introductory Meeting Sale Price**  
**\$20 cash**

or check made out to "John Minch Publishing"

\$24.95 + tax and shipping

For more information go to [www.johnminchbajabooks.com](http://www.johnminchbajabooks.com)

Distributed through Sunbelt Publications in El Cajon, CA

HOME MOVIES TO DVD,  
PHOTO GIFTS, RESTORATIONS  
& MORE

**digital creations**

1705 20th St.  
(661) 322-5552  
digitalcr1@gmail.com



like us on facebook  
digitalcreations.bakersfield

Retirement Planning  
College Savings Plans  
Financial Planning

**Morgan Stanley**

**The Hopps Group** Lydia Hopps & Benjamin Hopps CFP®

Investment Management Consultant  
Senior Vice President  
Financial Advisor  
300 Esplanade Dr., 10th Floor  
Oxnard, CA 93036  
1 805 278-3609

[www.morganstanleyfa.com/thehoppsgroup/](http://www.morganstanleyfa.com/thehoppsgroup/)

© 2014 Morgan Stanley Smith Barney LLC. Member SIPC.  
CRC897562 03/14



## Alaska Geological Society

May 22nd - GSA 2019 Spring Scholarship Picnic

*Location:* Alaska Airman's Hall, Lake Hood

May 29th - AGS

*Speaker:* Laura Gregersen, Alaska DOG

*Talk:* "The history and aerial distribution of exploration drilling targets categorized by play type, North Slope and offshore arctic Alaska"

## Northern California Geological Society

May 29th - Annual Dinner Meeting

*Speaker:* Dr. Tanya Atwater, Prof. Emeritus — UC, Santa Barbara

*Talk:* The Wonderful, Frenetic Years of the Plate Tectonic Revolution: How It Was to Be in the Middle of It

June 26th

*Speaker:* Dr. Jonathan Lilien — Chevron

*Talk:* Environmental Aspects of Oil & Gas Production in California

## Northwest Energy Association

May 23rd

2019 Portland State Student Presentations

### AAPG Needs Visiting Geoscientists

The AAPG Visiting Geoscientist Program needs volunteers to give talks at colleges, universities and local societies.

<https://www.aapg.org/career/training/in-person/visiting-geoscientists>

Because travel time and cost is the largest impediment to getting good people to where they are needed, it is best to have a reservoir of good, interesting speakers available in each region.

#### ***The Pacific Section needs you!***

To become a Visiting Geoscientist an individual must be:

- Be a current AAPG Member.
- Have five or more years of geology experience.
- Active in the petroleum geology field.
- Interested in encouraging career development in geology.
- Make at least one visit per fiscal year.

<https://www.aapg.org/career/training/in-person/visiting-geoscientists/become-vg>

**Please register and apply to be an AAPG Visiting Geoscientist!**

### **Alaska Geological Society**

[www.alaskageology.org](http://www.alaskageology.org)

P. O. Box 101288  
Anchorage, AK 99510

Contact: Keith Torrance  
[ktorrance@gci.net](mailto:ktorrance@gci.net)



Geology meetings/talks are held monthly September through May, usually on the third Thursday of the month, at the BP Energy Center (1014 Energy Court ) from 11:30 am to 1:00 pm. Open To The Public. No Charge to Attend.

President:	Art Banet	<a href="mailto:banetak@gci.net">banetak@gci.net</a>
President-Elect:	Steve Carhart	<a href="mailto:steve_carhart@hotmail.com">steve_carhart@hotmail.com</a>
Vice-President:	Dominic Armitage	<a href="mailto:dom.armitage@gmail.com">dom.armitage@gmail.com</a>
Secretary:	Keith Torrance	<a href="mailto:ktorrance@gci.net">ktorrance@gci.net</a>
Treasurer:	Holly Fair	<a href="mailto:holly.fair@alaska.gov">holly.fair@alaska.gov</a>
Past-President:	Larry Smith	<a href="mailto:Ljsmithak@gmail.com">Ljsmithak@gmail.com</a>

### **Coast Geological Society**

[www.coastgeologicalsociety.org](http://www.coastgeologicalsociety.org)

P. O. Box 3055  
Ventura, CA 93006

Contact: Eric White  
805-628-2312



Dinner meetings are held monthly September through May, on the third Tuesday of the month, at Poinsettia Pavilion, 3451 Foothill Road in Ventura. Social hour starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The cost of dinner with reservations is \$20 (members), \$25 (non-members), or \$10 (students and K-12 teachers). For reservations, please email Shelby Fredrickson ([secretary@coastgeologicalsociety.org](mailto:secretary@coastgeologicalsociety.org)), and should be made by 4:00 p.m. on the Friday before the meeting.

President:	Eric White	<a href="mailto:president@coastgeologicalsociety.org">president@coastgeologicalsociety.org</a>
Past President:	Theresa Heirshberg	<a href="mailto:pastpresident@coastgeologicalsociety.org">pastpresident@coastgeologicalsociety.org</a>
Vice President:	Shelby Fredrickson	<a href="mailto:vicepresident@coastgeologicalsociety.org">vicepresident@coastgeologicalsociety.org</a>
Secretary:	Renee Richards	<a href="mailto:secretary@coastgeologicalsociety.org">secretary@coastgeologicalsociety.org</a>
Treasurer:	John Abeid	<a href="mailto:treasurer@coastgeologicalsociety.org">treasurer@coastgeologicalsociety.org</a>
Membership chair:	Bonnie Walters	<a href="mailto:membership@coastgeologicalsociety.org">membership@coastgeologicalsociety.org</a>
Webmaster/Tech Support:	John Rice	<a href="mailto:webmaster@coastgeologicalsociety.org">webmaster@coastgeologicalsociety.org</a>

### **Los Angeles Basin Geological Society**

[www.labgs.org](http://www.labgs.org)

Contact: Bert Vogler  
949-585-3103



Luncheon meetings are held monthly September and October; and January through June, usually on the fourth Thursday of the month, at The Grand at Willow Street Conference Centre (4101 E. Willow Street) in Long Beach. Lunch is served at 11:30 a.m., and the talk starts at 12:15 p.m. The cost is \$25 (with reservations), \$30 (without reservations), \$20 for retired members, and \$5 for students. "Reservations can be made online at [www.labgs.org](http://www.labgs.org) or by contacting Maia Davis at 530-559-1404 or [maiac.davis@gmail.com](mailto:maiac.davis@gmail.com). Reservations are best made prior to Tuesday before the meeting.

President:	Bert Vogler	<a href="mailto:hvogler@kleinfelder.com">hvogler@kleinfelder.com</a>
Vice President	Nate Busch	<a href="mailto:nbusch@eecenvironmental.com">nbusch@eecenvironmental.com</a>
Treasurer:	Nicky White	<a href="mailto:nwhite@geomechanicstech.com">nwhite@geomechanicstech.com</a>
Secretary:	Wanjiru Njuguna	<a href="mailto:wanjiru.njuguna@gmail.com">wanjiru.njuguna@gmail.com</a>
Scholarships:	Karla Tucker	<a href="mailto:ktrk2@aol.com">ktrk2@aol.com</a>
Webmaster	Wanjiru Njuguna	<a href="mailto:wanjiru.njuguna@gmail.com">wanjiru.njuguna@gmail.com</a>

### **Northern California Geological Society**

[www.ncgeolsoc.org](http://www.ncgeolsoc.org)

803 Orion #2  
Hercules, CA 94547-1938

Contact: Barbara Matz  
[barbara.matz@aptim.com](mailto:barbara.matz@aptim.com)



Evening meetings are held monthly September through May, usually on the last Wednesday of the month, at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). For reservations, contact Dan Day at [danday94@pacbell.net](mailto:danday94@pacbell.net) before the meeting. Cost is \$5 per regular member; \$1 per student member; and \$1 per K-12 teachers.

(Continued on next page)



<b>NCGS Officers</b>	President:	Greg Bartow	gregbartow@yahoo.com
	President-elect:	Tom MacKinnon	tom.mackinnon@comcast.net
	Past President:	Will Schweller	willschweller@yahoo.com
	Treasurer:	Barbara Matz	barbara.matz@aptim.com
	Recording Secretary:	Crystal Replogle	ctreplogle@gmail.com
	Membership Chair:	Tom Barry	tomasbarry@aol.com
	Outreach Chair:	Mark Petrofsky	mpetrof@hotmail.com
	Newsletter Editor:	Mark Sorensen	msorensen@gilbaneco.com
	Field Trip Coordinator:	Will Schweller	willschweller@yahoo.com
	K-12 Program Co-Chairs:	Paul Henshaw	drphenshaw@comcast.net
	K-12 Program Co-Chairs:	Pamela Polite Fisco	pampolite@gmail.com
	Scholarships:	Phil Garbutt	plgarbutt@comcast.net
	Program Director:	John Karachewski	geoscapes1@gmail.com
	Website Editor:	Jonathan Partsch	jon.partsch@gmail.com

**Northwest Energy Association**  
www.nwenergy.us

P. O. Box 6679  
Portland, OR 97228 *Contact: Jim Jackson or John Armentrout*



Luncheon meetings are held monthly September through May, on the third Thursday of the month, at the Multnomah Athletic Club (1849 SW. Salmon Street) in Portland, Oregon. Meeting time is at 11:45 AM to 1:00 PM (speaker about 12:15 PM). The cost is \$25 for members and \$30 for non-members. For information or reservations email NWEnergyAssociation@gmail.com, or our Postal Box: Northwest Energy Association, P.O. Box 6679, Portland, Oregon 97228-6679.

President	Laird Thompson	lbtfracs@gmail.com
Vice-President	Chris May	c.law.may@gmail.com
Treasurer	Barb Portwood	bbportwood@gmail.com
Co-Treasurer	Jim Jackson	jackson.js@comcast.net
Secretary	Clark Niewendorp	clark.niewendorp@state.or.us

**Sacramento Petroleum Association**

P. O. Box 1844  
Folsom, CA 95630 *Contact: Pam Ceccarelli 916-439-0400*



Luncheon meetings held monthly January through November, on the third Wednesday of the month. Location: Club Pheasant Restaurant in West Sacramento. The meetings start at noon. The cost is \$16 - \$20. For information or reservations, contact Pam Ceccarelli.

President:	Jerry Reedy	JWR5532@aol.com
Vice-President:	Scott Hector	Scott.Hector@gmail.com
Secretary	Derek Jones	djones@gasbiz.com
Editor/Treasurer	Pam Ceccarelli	pc626@comcast.net

**San Joaquin Geological Society**  
www.sanjoaquingeologicalsociety.org

P. O. Box 1056  
Bakersfield, CA 93302 *Contact: Lindsey Thompson lthompson@envirotechteam.com*



We have dinner meetings on the second Tuesday of the month, October through June, at the American Legion Hall (Post 26) at 2020 H Street, Bakersfield, CA 93301. There is an icebreaker at 6:00 p.m., dinner at 7:00 p.m., and a talk at 8:00 p.m. Dinner is \$25 for members with reservations and \$30.00 for nonmembers and members without reservations. Students may attend for free.

President:	Jonathan Goodell	Jonathan.Goodell@crc.com
Past President:	Cameron Campbell	cameron.campbell@conservation.ca.gov
President-Elect:	Jeff Kimber	Jeff.Kimber@conservation.ca.gov
Vice-President:	Kristy Whitaker	KWhitaker@bry.com
Secretary:	Lindsey Thompson	lthompson@envirotechteam.com
Treasurer:	Jennifer Prosser	jprosser@envirotechteam.com
Webmaster:	Ivan Aburto	Ivan.Aburto@crc.com



## BEST CORE SERVICES

*where BETTER became BEST*

*We Supply Quality Data with Quality Service*

4031 Alken St Suite A1  
Bakersfield, CA 93308

Bryan Bell: (661) 496-2654

Office: (661) 835-6001

**NOW AVAILABLE**

# Anomalies

✦ Pioneering Women in Petroleum Geology: 1917-2017

To be released April 1, 2017, *Anomalies* represents a deep foraging into the unrealized and near lost history of women that began in 1917 their 100 year journey as petroleum geologists.

“Robbie Gries and her contributors have created a remarkable account of early women in petroleum geology. The book represents a “deep dive” into the lives, accomplishments, triumphs, and, even, terrors, of early women professionals. It displays impressive scholarship, and reflects four years’ efforts to source histories of these largely forgotten women professionals.

An astounding network of women professionals, formed by need, strengthened by time, constituting an amazing support system. Robbie has done an amazing, multi-year research effort in uncovering hundreds of early petroleum geologists, active in many countries, whose early efforts are now recorded for our belated appreciation.

A delightful, hopeful, sense of progress is conveyed by the book, as the intense survival stories of early women geologists, give way to a prideful modern acknowledgement of the importance of women petroleum geoscientists in our modern petroleum industry.

The book should be read by every petroleum geologist, geophysicist, and petroleum engineer; partly for the pleasure of the sprightly told adventures, partly for a sense of history, and, significantly, because it engenders a proper respect towards all women professionals, forging their unique way in a “man’s world”.

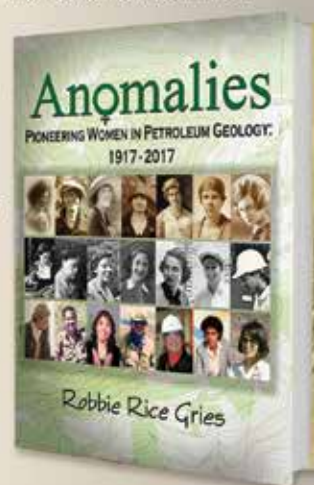
Buy this book! It will renew your pride in being a petroleum geologist, and it will enlighten you on the struggles of our wonderful women associates as they followed their professional dreams.”

— Marlan Downey, Past President of AAPG, CEO Roxanna Petroleum

“*Anomalies* celebrates the inspiring achievements of an intrepid group of pioneering women that have laid the groundwork for female geoscientists today. Robbie Gries provides an entertaining and informative narrative of 100 years of trailblazers that is enriched by excerpts from diaries, letters and interviews. The women in these pages were true scientific contributors and innovators at a time when women were just emerging into the growing field of petroleum geology. This is a must read for any historian of the oil patch, as it provides the only comprehensive record of the hidden history of these ground-breaking women.”

— Allyson Anderson Book,  
Executive Director - American Geosciences  
Institute

Once released, the book can be ordered from the AAPG Store for \$50 plus shipping and handling. Please e-mail [publications@AAPG.org](mailto:publications@AAPG.org) expressing your interest and we will contact you as soon as the book is available. Don't want to wait? Visit the AAPG Center at the 2017 ACE meeting to purchase your copy.



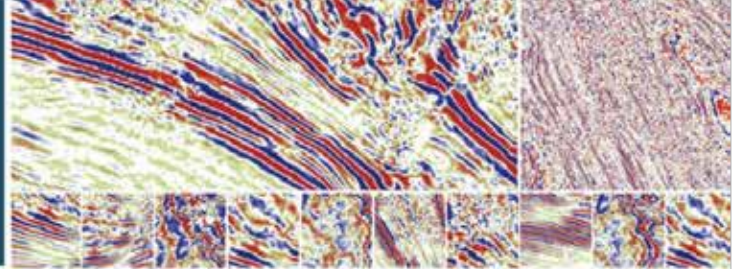


PACIFIC SECTION AAPG  
P. O. Box 1072  
BAKERSFIELD, CA 93302

PRESORTED  
STANDARD  
U.S. POSTAGE PAID  
BAKERSFIELD, CA  
PERMIT NO. 1163



**PACSEIS**  
SEISMIC DATA



## A LEADER IN SUBSURFACE INFORMATION

### RESOURCES THAT DELIVER THE DIFFERENCE

- One of the largest seismic databases available for license
- Over 500,000 line miles of 2D data located in domestic United States
- 3,000 square miles of 3D surveys

### ACQUIRED SEISMIC DATABASES BY PACIFIC SEISMIC CO.

- Chevron USA California, OXY USA Nationwide (including Arco & Enron)
- Santa Fe energy, TXO, Cities Service Oil & Gas Nationwide
- Southern Pacific, PG&E/ NGC, SOHIO

Pacific Seismic Company  
[WWW.PACSEIS.COM](http://WWW.PACSEIS.COM)

Your Full-Service Seismic Brokerage Company  
831.574.3330

