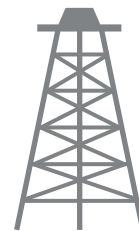




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November & December 2014



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4-5	President's Message •	<i>John T. Williams</i>
6	In Memoriam •	<i>Don Eugene Bouse</i>
7	In Memoriam •	<i>John H. Van Amringe</i>
8	Editor's Corner •	<i>Vaughn G. Thompson</i>
9	Member Story •	<i>Harold E. Sugden</i>
10	Leadership days •	<i>Bob Lindblom</i>
11-12	Member Story •	<i>Stephen P. Mulqueen</i>
13	Student Expo •	<i>Dr. Kathleen Marsaglia</i>
15-17	2015 PSAAPG Convention •	
18-22	Member Society News •	

COVER PHOTO: The Ventura Anticline at the “amphitheater” within the San Miguelito Oil Field. View looking west with the Santa Barbara Channel in the distance. The Pliocene sands along this trend have produced more than one billion barrels of oil over the past century from similar complex structures, and are actively producing today. The convention will feature sessions, field trips, and short courses that focus on these and other reservoirs in the Ventura Basin, and from basins throughout California.

- 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.

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November 1, 2014

John T. Williams, PSAAPG Presidents Letter

Geology, Your Greatest Discovery, and a Way of Life

As a child, my wondering mind was captured by endless distractions and possibilities. My first geologic passion was collecting fossils in the barrancas and hills above Ventura, California. Next, I searched my Dads geologic library to identify each species. I built display boxes for gastropods, bivalves, and vertebrate bones. Discoveries included a Pleistocene horse, whale bones, and a nicely preserved Chumash skeleton. My fossils were kept in a dedicated room, John's Museum. I memorized the time scale and was captivated by the globe. My friend's dad showed me a real shrunken head, artifacts, and walrus tusks, WOW! I gravitated to oil seeps, built rigs and drilled for oil, panned for gold, explored deserted mines, and collected magnetite with dreams of its value.



Perhaps your discovery of geology was exciting and dramatic, or perhaps it was "just in your blood". Perhaps the deal was closed on a field trip lead by an inspiring professor who revealed the vast expanse of an unknown world. Whichever way it occurred, it was likely an emotional moment, causing a flood of personal relief, actualizing and validating all you had known about yourself, but no one else could understand or comprehend. On that day, you, like me, realized that you had found your way of life.

Your little one asks you, "What do you do?" And you reply that you are a geologist. You draw maps so that your company is the foremost energy producer in the world! But, beyond answering your child's question, what do you really do? You get paid to think in unique ways beyond common sense; you live in a hidden unseen world of exploration and intuitive creativity. Or, you lust for exploration and discovery, and you're possessed by its ruthless and secretive competition. A more gentle answer may also be that you enjoy working with a team of oil finders, geologists, geophysicists, and engineers who have a passion for their profession, coupled with its associated prestige, a degree of financial security, and a home for your family. Your heroes and icons in geology bring inspirational stories and legends that can encourage, challenge, and raise us to a new level.

The Wallace Pratt's story in *The Greatest Gamblers: The Epic of American Oil Exploration* is a must read for all petroleum geologists. Author Ruth Sheldon Knowles, with emotional build up, draws a life changing visual of one great geologist. "Once he had noticed the gentle, shy lad, Professor Haworth was attracted by Pratt's keen intelligence. He gave him a job in the geology laboratory, talked with him, and encouraged him. Pratt's whole world came alive with purpose. It was as though the roots of a stunted desert plant had finally reached the underground stream for which they had been blindly and instinctively searching. **With growing excitement, Wallace Pratt realized that for him the study of the earth was a way of life. . . The discovery that a way of life and a way of making a living could be one was a revelation.**"

(Continued on next page)



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The legendary Thomas Dibblee discovered his way of life very young. He was a descendant of one of California's earliest Spanish families and grew up on their Rancho in Santa Barbara County. As a boy, he single handily mapped its 'vast' acreage, before receiving formal geologic instruction. Later he graduated from Stanford University. Driven by a passion to map California, he would stay out late in the field and be forced to bed-down on cardboard. Trespassing signs and darkness would not stop his mind. Along with Mason Hill, they were first to recognize the true offset on the San Andreas Fault. Tom was also an oil finder, credited with several discoveries in the Cuyama Valley for Atlantic Richfield Co. Self sufficient and frugal, he would neglect his paychecks and expense account. His geologic fame was eclipsed by his sterling character, generosity, self reliance and complexly frugal life. For Tom, geology was his way of life and in later years, Helmut Ehrenspeck, John Minch and others worked with him to complete and publish all of his maps. These geologists knew their way of life!

For Wallace Pratt and Thomas Dibblee - Geology was a way of life which changed, grew and transitioned. There is no need to 'retire', just transition. Throughout your professional life, the Pacific Section AAPG and the National AAPG are here for you; their mission is to be indispensable go-to-places for energy geosciences and professional association. The Pacific Section and each Affiliated Society is your 'local place to go' to discover meaningful literature and professional association. You are welcome.

Respectfully,
PSAAPG President 2014-2015
John T. Williams

P.S. Our Section has outlined fifteen major programs and benefits extended to our seven Affiliated Societies and membership. LABGS President, Jean Kulla, has posted them on their website. Space limitations in our Newsletter limit publishing to only the briefs of those benefits. They can be seen on page 20 of this Newsletter.

Be sure to find Questions for the Curious: (find answers on page 18)

1. What historical novel did Ruth Sheldon Knowles author in 1959?
2. Knowles featured this geologist in her novel. He was the 4th president of the AAPG and Vice President of Humble Oil. He later gifted his ranch, now called Guadalupe National Park in Western Texas, to the National Park Service. Who was he?
3. He mapped his family ranch, slept on cardboard, and neglected his paychecks and expense account. Who was he?

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Donald Eugene Bouse

February 15, 1929 — October 10, 2014

Don passed away quietly on the afternoon of October 10, 2014 while surrounded by his beloved family. Several of Don's friends wrote PSAAPG to offer the sincerest condolences and tell a few stories. Don's friends and colleagues describe him as having been a wonderful, gentle, and quiet man with lots of energy, passion, and a Paul Newman smile.

He always had experiences to share, and mud logging was in his blood. One story was about a job he sat in Japan while drilling Geothermal. He humorously complained about having to take his own rations of Spam along: "Well gosh the price of Spam over there was so high; you couldn't even afford it". Even when Don was complaining, he would do so with a gleam in his bright blue eyes. Complaints from Don were really only ever of the Mark Twain nature. He always ended his stories with his trademark chuckle. He would complain about the road to the rig being bumpy enough to knock a filling out or about the fog being so thick you couldn't even see the steering wheel.



A really great story that many of his friends still chuckle about involved red ink and an unsuspecting Don. The story earned him the title of "drag logger" amongst some of his friends. Don was sitting a well when the geo arrived to visit. He had been filling the Bristol pen with red indelible ink and had managed to get ink all over his lips. Those present had a great chuckle realizing he would be wearing that shade for at least a few days.

Don only stopped working because of medical reasons. Due to a detached retina he developed – his friends like to believe was caused by his long years of laughing and smiling. He probably would have kept logging, but the night driving, fog, and bumpy roads prohibited him from catching another sample. Don's friends and Horizon Well Logging miss him and are all better for have sharing so many years together.

Thanks Peter, Bill, and Mike for some fun stories and photos of Don.

Below is a copy of Don's memorial as it appeared in the Bakersfield Californian. His Funeral Service was held at the National Cemetery on Friday October 24th at 13:15 hrs.

Donald Eugene Bouse was born in Hayden, AZ to Arthur and Nellie Bouse. The family moved to Venice, CA along with little sister Shirley in 1939. Don attended Excelsior High graduating in 1947, Fullerton Jr College 1949, UCLA 1951. He served in the Korean War in the Air Force as a med tech from 1951 to 1955. After the Air Force Don attended the University of Arizona for Geology. Don had a successful career in the oil industry as a Petroleum Geologist.

In 1957 he traveled to Philippines with Acoje Oil where he met and married Jovencia Bouse his life long companion. They had 4 children together and in 1973 they moved to Bakersfield. Don was able to travel the world exploring for oil in the Philippines, Singapore, Japan, South America and throughout Kern County. After retirement Don enjoyed spending time with his children and grandchildren. He also liked going to coffee at Westchester Bowling Alley with his oil buddies until he could no longer drive due to Parkinsons. This last year he and Jovencia moved in with his daughter Gena, his granddaughter Vanessa was their caregiver 7 days a week, as well as Ted his grandson. Don and Jovencia were able to celebrate their 56 anniversary this past April 15.

Don passed away quietly Friday afternoon surrounded by his family. He was proceeded in death by his wife on April 25. He is survived by his sister Shirley Carmel, children Gena (Chris) Cook, Vida Kinda, Paula (Jim) Genter, Barry (Stephanie) Bouse, grandchildren Vanessa, Camron and Nicholas Cook, Chloe (Greg) Merjil, Juliet and Ted Abney, Braydon and Lola Bouse. Greatgrandchild Olivia Dewitt. Don was a wonderful and caring husband, father and grandfather. He was adored by his family and will be missed forever.

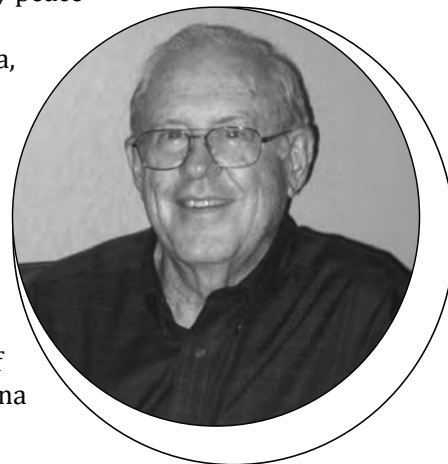
John H. "Jack" Van Amringe

October 11, 1932 — May 24, 2014

John H. "Jack" Van Amringe, geologist and former resident of Lafayette, passed away peacefully after a brief illness, on May 24th, 2014 surrounded by loved ones.

Born October 11, 1932 to Edwin and Viola Van Amringe, Jack grew up in Altadena, California in a house his grandfather built. At 17, he joined the Army National Guard and in 1952 was sent to Korea where he served as a radio operator in the 40th Infantry Division during the war. Upon returning home, he enrolled at UCLA, where he earned BA and Masters degrees in geology. During those years of study, he met and married the love of his life, talented pianist Mary Jane Lothras.

Jack was hired by Unocal and thrived in his chosen profession. He worked as an exploration geologist in Louisiana and California, where he was promoted to Exploration Manager of the Western Region and later served as Vice President of Exploration, Oil and Gas Division. He was elected President of the Lafayette, Louisiana Geological Society and named Geologist of the Year in 1972.



During their fifteen years in Lafayette and New Orleans, Jack and Mary Jane nurtured a cherished group of fun-loving friends and later did the same in Pasadena. Their life together was filled with ceaseless activities, community involvement and marked by a boundless generosity of spirit that touched many other lives.

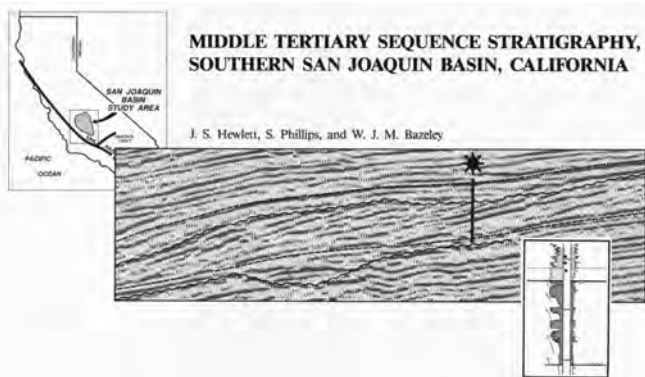
Upon retirement in 1992, Jack hit his stride, as he and Mary Jane travelled the world and dove headlong into their interests in sailing, tennis, golf, photography, collecting, music, and writing. Along the way, he found time to serve on the Board of Directors of the Pasadena City College Foundation and as President of the Pasadena Community Orchestra.

Above all, Jack was a family man who cherished and nurtured a daughter and son and, later, three grandchildren instilling in them his qualities of open-mindedness, benevolence, and kindness towards all. He never stopped exploring, never stopped learning, and his curiosity and joy of life has been passed down through two generations.

Jack is preceded in death by his beloved wife of 57 years, Mary Jane, and is survived by his daughter Kathy Allison and her husband Brian of Visalia, CA; son Ken Van Amringe, his wife Mary and three grandchildren: Lindsay, Kate, and Griffin, of La Canada, CA.

Jack and his wife, Mary Jane, were strong supporters of the PCC Foundation and loyal contributors to the Van Amringe Scholarship Fund established in honor of Jack's father Edwin "Van" Van Amringe in 1957, and recently donated "The Mary Jane and Jack Van Amringe Piano Classroom" in the Center for the Arts. To carry on the family tradition and in lieu of flowers, donations can be made to the PCC Foundation online at www.pasadena.edu/give or by check to PCC Foundation (in the memo area write "Jack Van Amringe Fund") 1570 E. Colorado Blvd., Pasadena, CA 91106.

PSAAPG Has A New Publication – MP 51



"This publication follows from a technical project in the ARCO sequence stratigraphy group in Plano, Texas. This study was published as an internal company research report in 1989 in the early days of sequence stratigraphy. Twenty-five years later, the authors chose to not alter the original text and figures except to satisfy a few publication requirements – we hope the studies contribute to understanding the future exploration potential of the southern San Joaquin basin."

Originally published in-house in 1989 by ARCO: Hewlett, J. S., Phillips, S., & Bazeley, W. J. M.

This is an 11" X 24" spiral-bound book with B/W and color figures, 73 p. (1st edited version)

To purchase this publication you may go to the PSAAPG webpage (www.psaapg.org) and download the publication ordering form or you may contact Larry Knauer (PS-AAPG Publications Chair) at larryknauer@chevron.com. Cost is \$85 + S&H.

Dear friends and colleagues,

As we approach the end of 2014, I would like to wish you all a very happy end of year.

We have had a very eventful last couple of months with three large events having occurred: the annual SJGS golf tournament, the Woolley golf tournament, and the Northridge Student Expo. All three events were a great success.

The first event was the SJGS golf tournament, which was held on Friday 12th September, 2014. This year's Tournament was in Memory of Curtis Conway for the great man he was and for all he did for his society. This is the 8th year PacSeis has hosted the event. Curtis Conway and Kathy Smith graciously helped make the SJGS Golf Tournament a huge part of the local geological community for all these years, and 2014 was no different. PSAAPG and SJGS also acknowledge all those involved in making the event such a fun success.



The second big event was the Seventh annual AAPG-SEG West Coast Student Expo. It took place at California State University, Northridge from 2 - 4 October, 2014. Dr. Kathleen Marsaglia, who pulls the event together, wrote a great summary report that can be read on page 13 of this newsletter. I have heard from many students and colleagues who attended that it was a great, fun occasion and how lucky we are to have Kathleen.

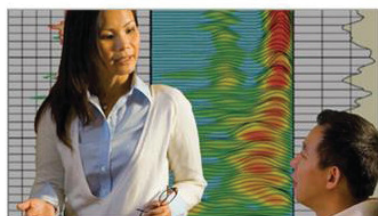
And, thirly, the 2014 Woolley golf tournament that was held in Fillmore on 10th October, 2014. Once again, it was a beautiful day in Fillmore and the tournament was enjoyed by both duffers and pros alike. CGC and PSAAPG would like to thank all those involved from the volunteers to the sponsors and players.

Keeping with the theme of fostering scientific engagement on the topic of fracture stimulation, LABGS and the Groundwater Resources Association of California are co-hosting a Symposium in Long Beach from 18 - 19 February, 2015. Dr. Long, who headed the CCST study I mentioned in the Sep / Oct issue of PPG, will be one of the presenters. The Keynote speaker is Don Clarke - AAPG Distinguished Ethics Lecturer. Please support this Symposium! Further information can be found on page 14 of this newsletter.

I am pleased to report that arrangements have been made that permit Summer Field Camp to remain an immersive summer course at California State University system schools. The Field Camp will remain a required part of the curriculum. PSAAPG would like to thank you for all your support, letters, and comments. Over 50 letters were received!

It is with great sorrow that I inform you that our good friend, Bob Williams, passed away on October 20th, 2014. His memorial service will be held on Saturday November 8th at 14:00 hrs. at First Presbyterian Church of Bakersfield. We will include Bob's memorial column in the next issue of PPG.

Happy holidays, Vaughn



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To the Pacific Petroleum Geology Newsletter,

The following is a history of the events and thought process that led to the invention of the procedure for detecting and describing cataracts in humans with a small flashlight.

October 17, 2014

As Geologists, we become versed in other sciences, such as mathematics, chemistry, physics, astronomy, optics, meteorology, and other disciplines that are necessary to our chosen specialties. To my surprise, I found that the medical specialty of ophthalmology has a direct link to the geologic discipline of optical mineralogy. The following quote is from the letter that I wrote to my ophthalmologist, at his request, explaining why and how I was able to see and describe my own cataracts, using a small flashlight. He has informed me that the 'flashlight method,' as the writer calls it, of diagnosing cataracts in the field is now being used in the Himalaya Mountains of Northern India. Also, the flashlight method is being used in the diagnostic procedure of detecting cancer of the eye, a form of malignancy that depends on early detection to prevent its spreading into the brain.

The flashlight used by the writer is an incandescent, narrow focus, MINI MAGLITE AAA, purchased off-the-shelf from the local Costco Warehouse. A dual light emitting diode, narrow beam flashlight has been designed and manufactured for the specific purpose of detecting cataracts and performing eye examinations. The LED light source is superior because of the inherently longer life of diodes and significantly longer battery life. AAA Batteries and spare incandescent bulbs are not readily available in remote areas of Northern India.



October 25, 2013

"To: KAI W. WONG MD

Dear Dr. Wong,

In response to your request for background information concerning our discovery of the 'flashlight method' of self-examination to reveal the presence of cataracts, I present the following as a first person account:

After being diagnosed by my Ophthalmologist, Dr. Kai W. Wong, that the growth of my cataracts had accelerated, we decided to replace the lenses. The first replacement was a success as was the second, several months later. Between the two operations I became curious about how I might see my own cataracts.

I am a geologist by training, profession, and in retirement, inclination. I read about cataracts online and wondered if there was a simple way to see the black streaks that were growing in my ailing lens. I was aware that, under a petrographic microscope or binocular magnifier, certain striations found in otherwise clear mineral crystals or amorphous grains, could be made visible by viewing them by directing light at near right angles to the line of sight. I then reasoned; if I could direct a narrow beam of bright light into the side of my eye, I might be able to see the dark, contrasting strands of cataract material, by staring directly into a vertical mirror. The method worked the first time: I saw and described my own cataracts.

I presented this curiosity to Dr. Wong. On applying the narrow beam of light from my small incandescent bulb flashlight to the corner of my eye, he saw the cataracts! The experiment is repeatable.

An individual now has a personal diagnostic tool, using a narrow beam flashlight and a mirror. Or, lacking a mirror, the services of an observer. The observer is arguably best, as long as they know what to look for.

A precautionary note: There were occasions, when I applied the flashlight beam and the angle of direction was not correct, that I failed to see my cataracts. In conclusion – if you see cataracts you have them, warranting an evaluation by an ophthalmologist. If you don't see cataracts, you may be using the wrong angle of illumination, the wrong style of flashlight or an askew mirror.

Harold E. Sugden, California Professional Geologist # 1954. "

Dear friends and colleagues,

The 34th AAPG Annual Leadership Days was held at the Snowbird Lodge located in the Little Cottonwood Canyon, 29 miles south-east of Salt Lake City, UT. Over 140 members of AAPG, including staff from Tulsa, attended the event. Attendance at the Conference is extended by invitation only. The Presidents of AAPG determine the location and theme of the Leadership Days and President Randi Martinsen did an outstanding job in arranging this venue, theme, and program which took place from August 8-10, 2014.

I have attended over 25 of these Days, and they have been located in many places. Many of the meetings have been held in the Osage Hills located 20 miles west of Tulsa, OK at the Post Oak Lodge. Prior to the Lodge, it was originally developed and named the Williams Center.

The Leadership Days guest speaker was Dr. Jay Barney, Presidential Professor of Strategic Management, David Eccles School of Business at the University of Utah. The theme of his presentations was "Essential Shifts to Move from a Functional Leader to a Strategic Leader."

There were meetings involving Young Professionals (YP), a Student Chapter Committee Summit on Thursday, and also the AAPG Advisory Council meeting. The official start of Leadership Days began with a reception on Friday at 5:30 PM followed by dinner and a social time.

On Saturday morning after breakfast, the Days were Called to Order by AAPG Executive Director, David Curtiss. The attendee introductions were made followed by President Randi Martinsen's welcoming comments. Dr. Barney then gave his presentation, stressing how Conference attendees will be able to gain additional clarity on what it means and what it takes to be a strategic leader. It was emphasized that this is a skill that will benefit both one's professional and personal life.

The afternoon field trip was to the Albion basin, located 10 miles to the east near the Alta Ski Resort. Some attendees decided to pass on the field trip and chose to ride the tram from the Snowbird Lodge to the top of Hidden Peak at near 12,000 feet elevation. This was a great idea, but the weather turned nasty and a thunder and lightning storm canceled the tram adventure.

During the lunch on Saturday, AAPG Officer Candidates gave brief presentations for the offices of President-Elect, Regions Vice President, and Secretary.

There was a social reception and dinner on Saturday evening followed by a Star Gazing tour. Powerful telescopes were located near the Lodge in the upper parking lot, and one could see the Super Moon, Saturn, and other constellations.

Sunday morning following breakfast, there were reports on the HOD by Chair, David Dolph: a Tulsa Headquarters report by David Curtiss, Student Chapters and YP reports; a SFCC meeting report from Steve Veal; and closing remarks by President Randi Martinsen. Following lunch, the 2014 AAPG Annual Leadership Days officially were adjourned.

Bob Lindblom



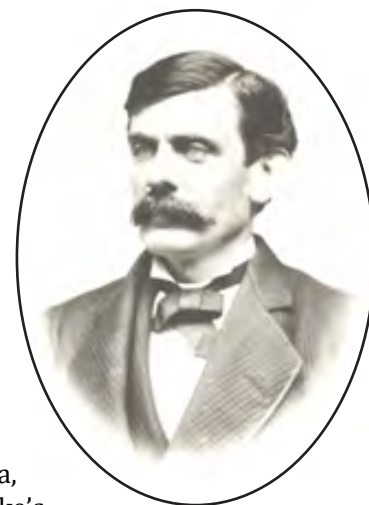
Left to right: Jon Schwalbach, Dina Schwalbach, Emily Fisher, Anne Draucker, Bob Lindblom, Laura Bazeley, Don Clarke, Cindy Williams, John Williams, At the conference but missing, Jonathan Allen, Kurt Neher

Thomas Bard: Factors That Led to the Discovery of Oil at Well “Ojai” 6 in 1867

Written by Stephen P. Mulqueen

In 1865, Thomas Bard and his uncle Thomas Scott formed the California Petroleum Company and began drilling for commercial quantities of crude oil near natural petroleum seeps in the Ojai Valley and Upper Ojai Valley in what is now Ventura County. In 1867, after drilling five dry holes, well “Ojai” 6 began flowing crude oil at a rate of 15 to 20 barrels/day after reaching a depth of 550'. This is recognized as the discovery well for the Ojai Oil Field and one of the earliest successful oil wells in the state of California. The Ojai Oil Field is still an important energy resource, producing crude oil and natural gas from over one hundred wells after 147 years of continuous field production.

Bard was 24 years old when he travelled by ship from the East Coast to the Port of Los Angeles in 1865. Before moving to California, Bard learned about the early oil industry of Pennsylvania and the emerging technology that allowed for the drilling of shallow wells in search of crude oil. In 1859, only eight years before the success of well “Ojai” 6 in California, Edwin Drake made his famous discovery of oil by drilling near Titusville in Pennsylvania. Drake's good fortune sparked the world's first oil boom.



Thomas R. Bard.

One of the most intense well drilling efforts began in the early 1860s along the banks of Oil Creek located southwest of Titusville. Oil Creek gets its name from the abundant natural petroleum seeps that occur within the region, some flowing directly into the creek. In the early years before 1859, native Americans living in the region around Pennsylvania gathered crude oil from seeps and sold the commodity to white settlers for distilling into lamp oil and lubricating oil. Prior to the production of crude oil from seeps and wells, lamp oil was made exclusively by rendering blubber from whales.

(Continued on next page)



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Oil pioneers of Pennsylvania drilled on or near oil seeps with the understanding that the natural occurrences of petroleum at the surface could be indicators of the abundance of oil in commercial quantities at depth. The early technology was adapted from the water well and salt well drilling industry. Salt brines were produced by drilling into formations containing either dry salt beds or permeable formations containing salt saturated groundwater. In those early years, table salt was crystallized from saturated brines by the process of evaporation.

While in Pennsylvania, Bard learned many details about natural petroleum seeps, the oil boom and cable-tool drilling. Bard also learned about comparable petroleum seeps that occurred in California as a result of published works by Dr. Benjamin Silliman, Jr., a professor at Yale College. With the financial assistance and encouragement from Thomas Scott, Bard applied what he learned from Pennsylvania to drilling for oil in California. He and a crew of rig hands concentrated their effort at the sites of petroleum seeps exposed on the north edge of Sulphur Mountain located between Ojai and Santa Paula.



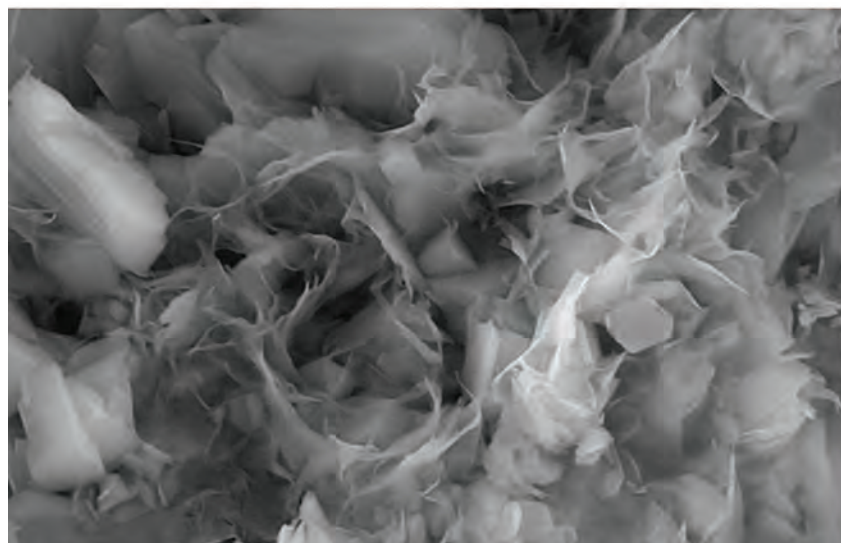
Wooden Derricks, Sisar Oil & Asphalt Co.,
Upper Ojai Valley, Near Well "Ojai" 6.

California's first drilling boom began in 1865 and ended during 1867 when shipments of kerosene and crude oil from Pennsylvania resumed after the end of the Civil War. Thomas Bard was successful with his efforts in discovering crude oil by drilling near petroleum seeps in the Upper Ojai Valley near Santa Paula. This fact is supported by the official designation of well "Ojai" 6 as the discovery well for the Ojai Oil Field. However, the sudden drop in the price of crude oil from \$6.50/bbl to \$2.50/bbl in 1867 made his venture uneconomic at the time of the discovery.

References

- White, G. T., 1968, "Scientists in Conflict: The Beginning of the Oil Industry in California", Huntington Library, in cooperation with the James Irvine Foundation's Publication Fund, San Marino, CA.
- Hutchinson, W. H., 1965, Oil, Land and Politics, The California Career of Thomas Robert Bard, Volume I & II, University of Oklahoma Press, Norman.

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SUMMARY: 2014 AAPG-SEG West Coast Student Expo

Dr. Kathleen Marsaglia

Dept. of Geological Sciences, California State Univ. Northridge,

1-818-677-6309 <kathie.marsaglia@csun.edu>

The Seventh annual AAPG-SEG West Coast Student Expo took place at California State University, Northridge on 2 - 4 October, 2014. Four companies and one federal agency sponsored the event: Aera Energy and Chevron, at the Platinum Level; ConocoPhillips and Occidental Petroleum (CRC) at the Gold Level; and the Bureau of Safety and Environmental Enforcement at the silver level. The Pacific Section of the American Association of Petroleum Geologists (PS-AAPG) and Society of Exploration Geophysicists (SEG) were sponsoring organizations.

There were 140 students who registered to participate in the Expo: 37 Bachelor's, 94 Master's, and 9 Doctoral students. This was similar to the attendance at the 2013 event with registered students hailing from 33 schools in 12 states and Puerto Rico: Brigham Young University, Cal Poly Pomona; Cal Poly SLO; Cal Tech; CSU Bakersfield; CSU Fresno; CSU Fullerton; CSU Long Beach; CSU Northridge; CSU San Bernardino; Indiana University; Kansas State University; Occidental College; Oklahoma State University; Rice University; St. Louis University; San Diego State University; San Francisco State University; Stanford University; Syracuse University; UC Berkeley; UCLA; UC Riverside; UC Santa Barbara; University of Louisiana; University of Nebraska; University of Nevada, Las Vegas; University of Oregon; University of Southern California; University of Alaska, Fairbanks; University of Puerto Rico; University of Texas at El Paso; and the University of Wisconsin.

On Thursday, 2 October, Aera Energy sponsored a field trip to Eastern Ventura and Ridge basins led by Greg Gordon and Jon Schwalbach, both from Aera Energy. Approximately 58 students and company representatives participated on these trips. Later that evening, Aera Energy hosted the poster session and wine and cheese mixer, where forty students presented posters on their research. The posters were judged by a crew of company representatives, headed by Cynthia Huggins of Aera, and including John Williams of Petrolog, current President of Pacific Section. Award books were donated by the AAPG and PS-AAPG. The winners of the poster awards were as follows:

PhD

First Place: Elizabeth Steel, UC Santa Barbara

Second Place: Alex Zumberge, UC Riverside

MS

First Place: Brian Clements, CSU Northridge

Second Place (tie): Lexine Black, CSU Northridge

Second Place (tie): Hannah Riegel, CSU Northridge

Second Place (tie): Olivia Thomson, University of Puerto Rico

BS

First Place: Colin Bloom, Occidental College

Second Place: Yasmin Bashirova, Stanford University

On Friday October 3, 50 students attended a Chevron-sponsored short course entitled "Basin Analysis Overview for Students: Prep for AAPG IBA" presented by Cameron Campbell. More students and company representatives attended a luncheon and round-table discussion from 12:30-2:30 pm hosted by Chevron where the poster awards were made. Luncheon seating around large round tables facilitated company representative interaction with students. Company representatives addressed the students to highlight their companies hiring needs. At set intervals, company recruiters switched tables to maximize interaction with students. Afterwards, from 3:00 to 6:00pm, students and representatives continued to interact at the Company Booth Exposition. Saturday October 4th the last day of the Expo, was dedicated to student interviews with the companies from 8:00 am-6:00 pm. The companies made all of the arrangements for interview times with students prior to Saturday. All interviews occurred in rooms at the CSUN University Student Union.

2015 AAPG-SEG West Coast Student Expo Plans

The 2015 AAPG-SEG West Coast Student Expo is scheduled for **1-3 October**, and will again be held at the University Student Union, at California State University, Northridge.

Oil, Gas, and Groundwater in California

Wise Production and Protection of Our Valuable Natural Resources



Groundwater Resources
Association of California

Symposium Organizers



Los Angeles Basin
Geological Society

**February 18, 19, 2015;
Renaissance Hotel; Long Beach, CA**

Brief Program Summary and Speaker

1. Setting the Stage: Questions and Issues Related to the Exploration, Production, and Protection of Hydrocarbon and Groundwater Resources in California.

Dr. Donald Paul, Executive Director of USC Energy Institute & Jon Parker, General Manager, Kern Water Bank.

2. How Are Other States Tackling the Hydrocarbon/ Groundwater Compatibility Issue?

Luncheon Keynote Speaker: Don Clarke – AAPG's 2014-15 Distinguished Ethics Lecturer
Induced Earthquake Potential from Energy Technologies - Ethically, How Do We Move Forward and Do the Right Thing

3. Petroleum and Groundwater Activities in California

Donald Gautier –USGS Retired; Brent Miyazaki - AECOM; Dr. Jane Long, CCST—Independent Review of Scientific and Technical Information on Advanced Well Stimulation Technologies in California (for BLM)

4. SB-4 and DOGGR's / County Activities—Status on DOGGR compliance schedule and new rules.

Steve Bohlen – State Oil and Gas Supervisor; Phyllis Stanin – Todd Groundwater, DOGGR's Statewide EIR; & Lorelei Oviatt, AICP—Director, Kern County Planning and Community Development

5. Industry Activities and Technologies for Groundwater Monitoring, Reservoir Stimulation, Well Competency, and Production Water Conservation

Rob Gailey—Groundwater Consultant; Dr. Norman Warpinski – Pinnacle-Halliburton Research; Ned Clayton – Schlumberger; Dr. Ted Frankiewicz – SPEC Services

6. SB4 and SWRCB's Activities

John Borkovich, SWRCB; Justin Kulongoski USGS); Brad Esser LLNL ; Clay Rodgers – Central Valley RWQCB

7. Panel Session: The Final Word – Concerns, Solutions and the Future of Wise Production of California Oil, Gas, and Groundwater

Steve Bohlen – State Oil and Gas Supervisor; Kevin Buchan WSPA; John Borkovich; Lorelei Oviatt; Dr. Jane Long; Dr. Donald Paul USC

Catch the Energy Wave!!

At the 2015 Pacific Section Convention



PACIFIC
SECTION



Plan on making the trip to the Mandalay Beach Hotel & Resort
Embassy Suites, 2101 Mandalay Beach Road, Oxnard, CA 93035

May 2-6, 2015

Come one, come all -- Petroleum geologists, geophysicists, groundwater geologists, engineers, you name it! Spouses and families will have a great time too at this terrific location on the beach. Close proximity to Channel Islands National Park, two scenic harbors, the Reagan Presidential Library, and fantastic field trip geology. Thrilling talks and camaraderie coming up – Cowabunga!!!

Hosted by the Coast Geological Society

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Coast Geological Society
Established 1948

Coast Geological Society, P.O. Box 3055, Ventura, CA 93005

See the Call for Papers in the Newsletter and www.psaapg.org
Seeking Sponsors and Exhibitors – See Notices in the Newsletter

General Chair Joan Barminski

Joan.Barminski@boem.gov

Pacific Section Convention Call for Abstracts

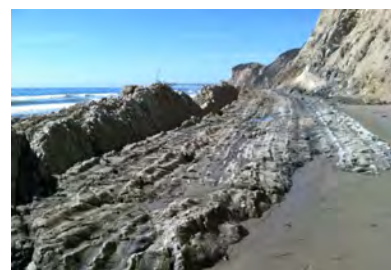
May 2-5, 2015 Mandalay Beach Embassy Suites, Oxnard, California

The Pacific Sections of AAPG, SEPM, and SEG invite your submittals for oral and poster presentations at <http://psaapg.org/2015-call-for-abstracts>. We plan a broadly themed, high-quality technical program highlighting the geosciences' role in resource applications and environmental stewardship.

- California Reservoirs: Exploration to EOR
- Monterey Formation Challenges
- Clastic Sediments: Stratigraphy, Environments, and Source-to-Sink
- Structural Geology, Faults, and Earthquakes
- Advances in Seismic Imaging and Applications
- Integrating Petrophysics and Geoscience
- Alternative Energy
- Water Resources: Geoscience Applications
- The New World: Navigating the Politics and Ever-Changing Regulations

The host of this meeting is the Coast Geological Society.

Email psaapg2015@gmail.com for questions about the technical program.



Guidelines

- Abstracts should cover the objectives, procedures, results and conclusions of the research. Limit to no more than 2,500 characters including spaces and punctuations. The title, authors, and affiliations are not included in the character limit.
- Evaluation and ranking of abstracts is based on relevance and timeliness of subject matter; usefulness of contribution to the advancement of knowledge, techniques or practice; and overall clarity, organization and presentation of ideas.
- Titles are required — they should be brief and state the topic.
- In keeping with the spirit of the convention, presenters must refrain from making subtle or blatant sales pitches including but not limited to: repeated use of product names, trade names or pictures, or repeated use of company logo. Logos are appropriate on title slides and summary/conclusion slides, but not on each slide of the presentation.
- Student submissions are encouraged to all sessions.
- Submit your abstract in the form in which you would like it published. Spellcheck is your friend, but will not catch everything. Have your abstracts proofread. Abstracts will not be edited.
- Authors will be notified of acceptance or rejection in March 2015. Authors of accepted abstracts will have the option to submit an extended version of their abstract which will then be reproduced on CD-ROM and made available at the convention. Some presentations may be published, with author's permission, on the AAPG Search and Discovery website.
- Final booth design will be announced in the poster kit and sent to all confirmed poster presenters prior to the start of the conference.
- **Important:** PSAAPG has no funding for speakers. Do not submit an abstract unless at least one author is certain to attend the convention. All session chairs, speakers and poster presenters must register to attend the convention. No exceptions will be made.
- **Oral Sessions:** Single screen electronic presentations will be the only format available. Each session room is equipped with the following: High intensity projector, desktop computer, large format screen, speaker timer, laser pointer, lapel microphone and lectern microphone. Internet connections and dual screens will not be available. Detailed speaker information will be sent to you upon acceptance of your abstract.
- **Poster Sessions:** Full-day poster sessions are planned. Presenters are required to be in their booths a minimum of two hours while their posters are on display. Detailed poster dimensions will be sent to you prior to the convention.
- **Submit:** Abstracts for all sessions should be submitted at <http://psaapg.org/2015-call-for-papers/> by January 19th, 2015. For any issues, contact psaapg2015@gmail.com.

Exhibits Available for 2015 Pacific Section Convention

Exhibitor Booths are now available for the 2015 Pacific Section Convention. The event will be held at the Mandalay Beach Hotel & Resort in Oxnard, California from May 3-5, 2015.

Exhibits provide you and your company or organization a great venue for interacting with petroleum and geoscience professionals, students, and educators from across the western states.

Over 500 people are expected to attend and ample opportunity to visit your booth will be afforded during the Icebreaker on Sunday May 3rd and each day of the convention. Socializing opportunities in the Exhibit Hall will bring people together for collegial information exchange as they view new products and services, talk with sales reps, and network with colleagues in the business of geology.

Exhibitors will be recognized through logo and name placements in the Convention Announcement, Convention Program, PSAAPG Newsletter and Website, and Convention Site Banners.

The Exhibit Hall is an integral part of the Pacific Section Convention, and is always well-subscribed and well-attended. Be a part of the gathering in May 2015 by displaying your products or services.

Please contact Exhibit Chair Eric Kroh at ekroh@slb.com for information or with questions.

2015 PSAAPG Convention Sponsorship Opportunities

It is time to support the upcoming PSAAPG Convention as a Sponsor! The Convention will be May 3-5, 2015, at the Mandalay Beach Hotel & Resort in Oxnard, CA. This is a true beachfront location with miles of sandy shoreline at the hotel doorstep.

As a Convention Sponsor, you will support the most prestigious gathering of petroleum and geoscience professionals, educators, and students in California. More than 500 attendees are expected in 2015. Sponsors receive wide recognition through logo/name placements in the Convention Announcement, Convention Program, PSAAPG Newsletter and Website, and Convention Site Banners. More than thirty sponsors participated last year. This year sponsors can choose from five sponsorship levels.

- Platinum \$10,000
- Gold \$5,000
- Silver \$2,500
- Bronze \$1,000
- Patron \$250

Convention sponsors are not only critical to the funding of the convention but help the PSAAPG fulfill its mission of increasing professionalism, supporting education, funding student scholarships, and producing and conserving professional publications.

Please contact me for sponsorship information or with questions: Mike Nelson, Sponsorship Chair, 805-890-2922, mnelson@dcorllc.com

Alaska Geological Society Membership Renewal:

November is the traditional time for renewal of your AGS membership. The dues increased to \$25/year in 2014 because of additional overhead costs.

You can renew your membership by paying the \$25 at the door of the next luncheon meeting, mailing in your renewal, or through PayPal at <http://www.alaskageology.org/membershipSUBMIT.htm>

ANSWERS TO PRESIDENT'S MESSAGE QUESTIONS, page 5:

- 1- The Greatest Gamblers The Epic of American Oil Exploration
- 2- Wallace Pratt
- 3- Thomas Dibblee

**The former VP of LABGS, Greg Hummel, is battling ALS and YOU can help!
Just go to www.walktodefeataals.org and find the team; Strider77 and donate
whatever you can. You can help put this disease into the past.**



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Alaska Geological Society

Alaska Geological Society luncheon meetings are held at the BP Energy Center in Anchorage, Alaska. The meetings are typically scheduled on the 3rd Thursday of each month 11:30 AM – 1:00 PM

November 10th, 2014

Joint SPE luncheon.

Speaker: John Morgan, John M Campbell & Company

"LNG Changing Quickly"

Coast Geological Society

New talks to be announced soon

L.A. Basin Geological Society

No November or December talks due to holidays.

Northern California Geological Society

November 19th, 2014

Speaker: Christopher Lewis

"Tales of the Oil and Gas Fields and Thereabouts"

7:00 pm at Orinda Masonic Lodge

Northwest Energy Association

Note: New website

www.nwenergy.us

November 20th, 2014

Speaker: Timothy L. McMahan, Partner, Stoel Rives LLP

"Pipelines, trains and automobiles; gas facility permitting in an era of carbon constraints and hysteria"

January 15th, 2015

Speaker: Kevin Banister, VP of Business Development, Principle Power, Inc.

"Overview of Principle Power's plans on building a 30 MW floating wind farm fifteen miles off Coos Bay - the first offshore wind project on the West Coast."

Sacramento Petroleum Association

No November or December talks due to holidays.

San Joaquin Geological Society

November 11th, 2014

Petroleum Club

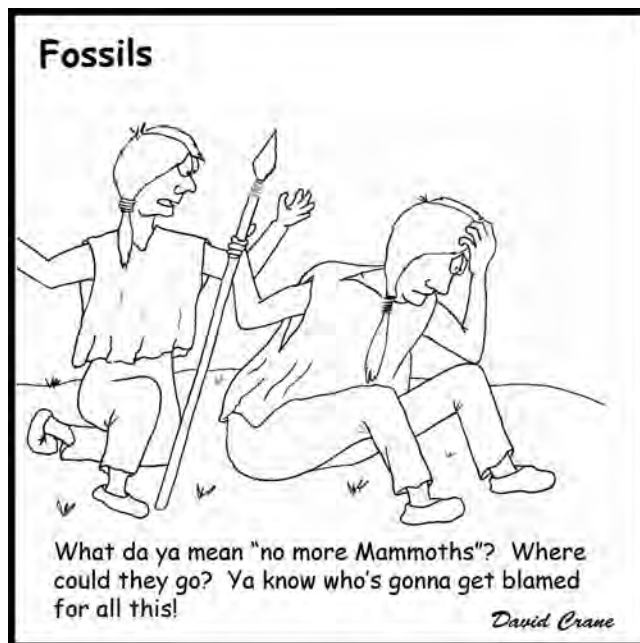
Speaker: Rick Behl.

"The Role of Climate, Oceanography, Tectonics, and Environment in Mudstone Deposition on the Miocene to Quaternary California Margin"

December 9th, 2014

Speaker: Jay Namson

"Structure of Active Folding and Thrusting in the California Transverse and Coast Ranges"





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Letter from the PSAAPG to the Affiliated Societies

From: John T. Williams, President 2014-2015

Pacific Section, American Association of Petroleum Geologists

A Brief Outline of Major PSAAPG programs & benefits that serve the Affiliated Societies and Membership

- **PS Executive Committee** – Each Society has one vote at each EXCOMM meeting.
- **Society Activities** – PS Secretary, Malcolm Allan, records and announces Society activities at each PSAAPG Executive meeting, your voice is heard.
- **Distinguished Lecturer Support** – The PS will underwrite \$500 per lecturer, up to \$1000 per year per Society; Treasure, Cameron Campbell reimburses your expense.
- **PSAAPG Scholarship Program**: Provides up to \$4000 per Society for University student scholarships; Scholarship Chair, Cynthia Huggins, coordinates funding.
- **Teacher of the Year Awards**: PS provides \$250 to each teacher-of-the-year. One Society winner is awarded the PS T-O-T-Y, receives \$500 and a plaque presented at our annual meeting or at a Society meeting. Teacher Award Chair, Bob Ballog.
- **Field Trip Expenses**: PS reimburses Society expenses for activities (field trip, workshop, etc.), up to \$500. Society requests should be sent to Cameron Campbell, Treasurer. *
- **Membership and Dues** - The PS provides to local societies \$3 of our membership fee for each PSAAPG member, Membership Chair, Randy Stephenson, initiates payment. Note – We are exploring increasing the PSAAPG contribution to each Affiliated Society.
- **Advertising - Receive ¼ page of Advertising in AAPG Explorer**: Each Affiliated Societies receives ¼ page of space in the AAPG Explorer, Publications Chair, Larry Knauer.
- **Insurance** - AAPG provides insurance for PS activities such as conventions and field trips.
- **Honors and Awards**: Members are recognized for their service and accomplishments at the Society, Section and/or the National AAPG levels. Awards Chair, Bob Lindblom.
- **PS Publications**: Our mandate is to publish peer reviewed technical contributions and specific topics written by the membership, Publication Chair, Larry Knauer.
- **Newsletter Publication**. Six hard copy issues per year, e-mailed and posted on the PS Webpage. Society contact notices included. The Newsletter Editor welcomes articles about your Society activities. Newsletter Editor, Vaughn Thompson.
- **Imperial Barrel Award Competition**: The IBA program is a global competition; University teams of Master's degree students compete to go to the National AAPG competition. Contact Cynthia Huggins or Cameron Campbell for more information.
- **Student Chapters PSAAPG** and National AAPG support Universities Chapters within the Section. This is a professional opportunity, Student Chapters Chair, Becca Lanners.
- **WWW.PSAAPG.ORG** is linked to local society websites. New material, comments, updates, etc. are welcome. Webmaster, Jason Minch.

Alaska Geological Society
www.alaskageology.org

P. O. Box 101288
Anchorage, AK 99510

Contact: Eric Cannon
eric_cannon@golder.com



Luncheon meetings 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 a.m. to 1:00 p.m. The hot lunch cost is \$20 for members with reservations; \$22 for non-members with reservations; and \$25 without reservations. The box lunch cost is \$13 for members with reservations, \$15 for non-members with reservations, and \$18 without reservations. For reservations, call the AGS reservation voice mail at 907-258-9059 or contact David Hite at hiteconsult@acsalaska.net by noon on Monday before the meeting.

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Coast Geological Society
www.coastgeologicalsociety.org

P. O. Box 3055
Ventura, CA 93006

Contact Peter Morris
805.745.2149



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 Bonnie Walters (secretary@coastgeologicalsociety.org), and should be made by 4:00 p.m. on the Friday before the meeting.

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Past President:	John Harris	pastpresident@coastgeologicalsociety.org
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Membership:	Nick Kunstek	membership@coastgeologicalsociety.org
Webmaster:	Whit Skaling	webmaster@coastgeologicalsociety.org

Los Angeles Basin Geological Society
www.labgs.org

Contact: Jean Kulla
949-500-3095



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 or by contacting Graham Wilson at 562-326-5278 or GWilson@SHPI.net. Reservations must be made prior to Tuesday before the meeting.

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Vice President:	Katherine Kovac	katherine_kovac@oxy.com
Treasurer:	Bert Vogler	hvogler@kleinfelder.com
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Scholarships:	Karla Tucker	ktkr2@aol.com

Northern California Geological Society
www.ncgeolsoc.org

9 Bramblewood Court
Danville, CA 94506-1130

Contact: Barb Matz
Barbara.Matz@shawgrp.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 before the meeting. Cost is \$5 per regular member; \$1 per student member; and \$1 per K-12 teachers.

(Continued on next page)

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Northwest Energy Association

www.nwenergy.us

P. O. Box 6679

Portland, OR 97228-6679

*Contact:**Jim Jackson or John Armentrout*

Breakfast meetings are held monthly September through May, usually on the second Friday of the month, at the Multnomah Athletic Club (1849 SW. Salmon Street) in Portland. Meeting time is at 11:45 - 13:00 a.m. The cost is \$25 for members and \$30 for non-members. For information or reservations, contact Jim Jackson.

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House of Delegates:	John Armentrout, Anne Fix	

Sacramento Petroleum Association

P. O. Box 571

Sacramento, CA 95812-0571

*Contact: David Hartley**530.304.4277*

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

President:	Jerry Reedy	JWR5532@aol.com
Vice-President:	David Hartley	drilmax1@aol.com
Secretary	Derek Jones	djones@gasbiz.com
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San Joaquin Geological Society

www.sanjoaquingeologicalsociety.org

P. O. Box 1056

Bakersfield, CA 93302

*Contact: Laura Bazeley**lbazeley@wziinc.com*

We have dinner meetings on the second Tuesday of the month at the American Legion Hall at 2020 "H Street" in Bakersfield. 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.

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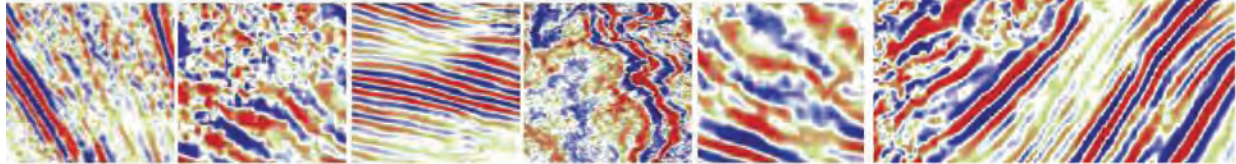


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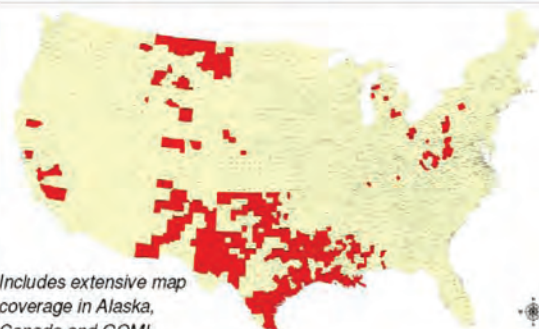
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