

Pacific Petroleum Geology

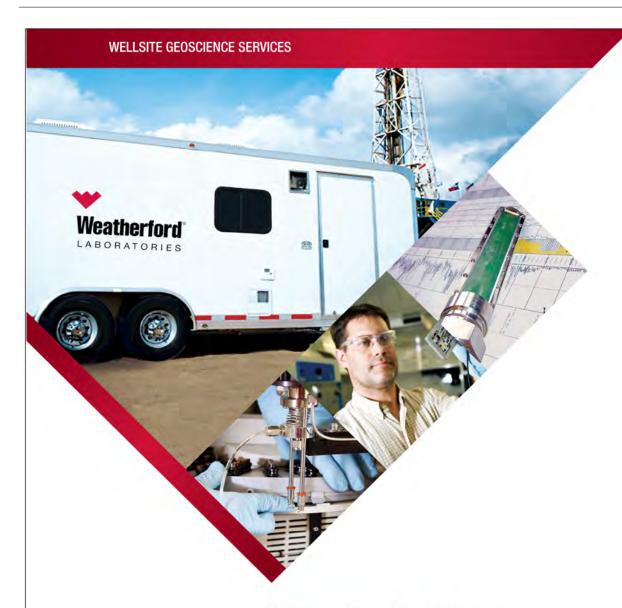


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September & October 2014



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4-5 President's Message • John T. Williams

6 In Memoriam • Curtis C. Conway

7 Editor's Corner • Vaughn G. Thompson

8 Leadership days • John T. Williams

9 Summer Field Camp Concerns-ACTION REQUESTED • Rick Behl

10 Summer Field Camp Concerns-Readers response • Bob Yeats

11-12 Member Story • John Minch

15-18 Member Society News

COVER PHOTO: Morro Rock near San Luis Obispo. The giant rock is an obvious reminder of the complex and exciting geology of California. Morro Rock is the westernmost of 14 eroded cores of mid-Cenozoic volcanoes. These volcanoes were active during the time of the Mendocino Triple Junction migration through the region.

Photographer: Victoria Thomas

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 pref erably be submitted as a .tif, .gif, or .bmp; .jpeg is OK.

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Dear Pacific Section AAPG Members,

Thank you, Dan Schwartz, president of the PSAAPG 2013-2014, for your leadership and exceptional organizational ability. Dan has made my job easier by having the PSAAPG business plan and the benefits of being a PSAAPG member concisely distilled, centralized and up to date. Dan and Cynthia Huggins graciously hosted a memorable 'hand off party'. I proudly presented Dan with a very special, uniquely customized Wizard Staff. He presented me with the rugged and decisive PS President's gavel.

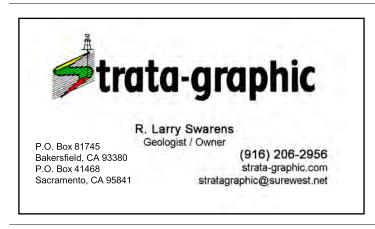
Excitement is here! The SJGS Annual Fall Classic Scramble at Sundale GC and Family BBQ at Kern County Museum are on September 12, 2014, which marks the end of summer. This event is a petroleum geologist tradition. It draws duffers from throughout the Pacific Section. For me, it has been an opportunity to renew friendships, play golf and share a meal with old friends. Unfortunately, that happiness is subdued by the untimely passing of Curtis Conway, President of 'PacSeis, Inc.'. Curtis was too young to pass from our lives. His ever shining smile and friendship toward all is fixed in my memory. 'PacSeis' is important sponsor/organizer for the Tournament. Kathy Smith and other 'PacSeis' folks brings spirited presence to this exceptional event. Wear your SJGS sponsor T-Shirts with 'PacSeis, Inc.', and its iconic green palm tree proudly emblazoned on the left shoulder. Please don't miss this year's tournament and BBQ.



AAPG 'Leadership Days' is an annual event for officers, YP's, and students from throughout the world. It was an outstanding learning opportunity held this year at Snowbird, UT, in the Wasatch Range, east of Salt Lake City. AAPG and our President, Randi Martinsen, facilitated three great learning days. Some of the highlights included: Dr. Ron Harris leading a geology hike to Albion Basin and 'Cecret Lake'. As a geo-hazard expert, Ron wisely pointed out; it is our responsibility and duty to use our geologic knowledge-a unique ability and power to improve the lives of millions - by leading the charge to develop more fresh water, energy and timely notification of safety-geohazards. Dr. Jay Barney, illuminated what it is to be a 'Strategic Leader', and that your company can be more competitive with the right organizational structure. For example, if you are asked 'what do you do? Say': I draw geologic maps that enable my company to be the foremost energy provider in the world! Astronomer, Katie Densley gave her lecture to our slightly rowdy geology crowd. We night hiked to telescopes and viewed Mars, Saturn and 'The Super Moon'. Our Pac Section attendees included: Kurt Neher, Jon Schwalbach, Laura Bazeley, Bob Lindblom, Ann Draucker, Emily Fisher, Jon Allen, Don Clarke and myself.

'The Distinguished Young Professional Award'. I am very excited about the extensive input to create this recognition. The proposed text of the award is located on page 15 of this Newsletter and will be discussed at the September executive committee meeting. Please review and advise.

(Continued on next page)



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816 Ferdinand Ct. Bakersfield, California 93309 Dipmeter Analysis Tape Conversion Editing Expert Petrophysical Analysis Wellsite Supervision Announcement: -'Be at the CSUN Epicenter' on October 2nd to 4th, 2014, for the CSUN AAPG-SEG West Coast Student EXPO. It's the foremost employment opportunity in the West. Dr. Kathleen Marsaglia leads this outstanding event for all ages. Cynthia Huggins and Cameron Campbell have been active leading our support for the Student EXPO, coordinating volunteers and conscripts that will assure its success. Student 'Poster Sessions' are a memorable highlight. Volunteering is great fun; Hire an intern, it is very satisfying; make a difference in someone's career. Contact Cynthia Huggins or Dr. Marsaglia at: www.csun.edu/science-mathematics/geology/aapg-seg-west-coast-student-expo.

2015 'PSAAPG Convention' hosted by 'CGS', chaired by Joan Barminski, May 3-6, 2015, at the Mandalay Beach Hotel and Resort Embassy Suites. Contact Joan or Kay Pitts to volunteer as a 'Technical Chair' or 'Session Chair' or other important job. We need you there!

Larry Knauer has gone to press: we now have PSAAPG MP-51, Middle Tertiary Sequence Stratigraphy of the Southern San Joaquin Basin, CA. It has been years in the making and is now available. Publication MP-51 was funded by the PSAAPG Foundation, Bob Hacker Memorial Fund, PSAAPG, and other donations. This is a have to have reference publication for your technical library. Buy yours now, don't wait to win one in the raffle, five years from now – they will be sold out.

Questions for the curious, find answers on page 15:

- 1. Who was the author/journalist that was born in Taft, and wrote a Bakersfield Californian daily oil news column for 41 years?
- 2. Name four of his outstanding books on California Oilfield history?

Thanks,
AAPG Pacific Section President
John T. Williams



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Curtis C. Conway November 07, 1959 - August 17, 2014

Curtis passed away suddenly Sunday, August 17, 2014, at age 54 in Bakersfield, California. He was born November 7, 1959 on Long Island, New York, to James F. Conway, Jr. and Patricia A. Conway who preceded him in death.

Curtis was raised in East Rockaway, Long Island, New York. He attended Centre Avenue Public School and St. Raymond Catholic School in East Rockaway. Curtis also attended East Rocka-

way Junior High School and East Rockaway Senior High School, where he served on the varsity sports team staff and was a member of Omega Gamma Delta fraternity.

In 1974, Curtis moved with his family to Tulsa, Oklahoma. He graduated from Jenks High School in Jenks, Oklahoma, a Tulsa suburb. He was a graduate of Tulsa Community College, earning a degree in computer and information sciences. He attended Oklahoma State University in Stillwater, Oklahoma, where he studied computer science and business.

Curtis was both a creative entrepreneur and innovative, successful businessman in Tulsa, Houston, Texas and Bakersfield, California. His distinguished career in the oil and gas business spanned nearly 30 years. He was the Founder, President and CEO of PacSeis, Inc. / Pacific Seismic Company. Curtis led the business for over two decades of growth as it became one of the largest providers of seismic data in all of the major oil and gas basins in the domestic United States, Alaska, and the Gulf of Mexico.

Curtis was a long-time member of many oil and gas industry professional associations, including the American Association of Petroleum Geologists, Society of Exploration Geophysicists, American Association of Drilling Engineers, American Petroleum Institute, Society of Exploration Geophysicists-Pacific Coast Section, Wildcatters, and the California Independent Petroleum Association. He was also a member of the San Joaquin Geological Society (SJGS) and served for seven years as chairman of the SJGS Annual Golf Tournament.

Curtis was best known for his amazing energy, sparkling zest for life, and his love and dedication to his faith, family and friends. He also shared his time and resources very generously with family and many charitable organizations, including the Tulsa Boys Home in Sand Springs, Oklahoma; Pyles Boys Camp and Our Lady of Perpetual Help Catholic Church in Bakersfield, California.

In addition to being an avid reader, Curtis' interests included surfing, skim boarding, cooking, and new technology. He was a master barbecue chef who also enjoyed his Irish heritage, travel, and rooting for his favorite football team, the Minnesota Vikings. He was also an expert golfer and fisherman, and he loved doing both with family, friends and business associates. Most of all, Curtis will be forever remembered as a very loving and generous son, husband, brother, brother-in-law, uncle, and dear friend to many and will be greatly missed.

He is survived by: his loving wife of 17 years, Janice, of Bakersfield, California; brothers and their wives Gregory and Jennifer Conway of Sand Springs, Oklahoma; Kevin and Christina Conway of Richardson, Texas; sisters and their husbands Karen and Paul Bettencourt of Magnolia, Texas, Christine Ann Hickman of Sand Springs, Oklahoma. In addition to his parents, Curtis was preceded in death by his father-in-law Ted Batlowski. Curtis is also survived by his mother-in-law Jane Batlowski; brothers-in-law and their wives Don and Kim Batlowski of Bakersfield, California; Terry and Kris Batlowski of Santa Maria, California; and sister-in-law Cori Batlowski of Bakersfield, California, as well as 15 nieces and nephews and one grandnephew.

Dear friends and colleagues,

It is my pleasure to serve you all as the editor for PSAAPG. I would like to thank Tim Elam, the outgoing editor, for his years of service and great stories and contributions. Tim, your shoes will be hard to fill, and I look forward to the next couple of years trying to do so.

As mentioned by John, in the President's letter, we have had a few exciting events over the past couple of months; the PSAAPG handover celebration and the AAPG Leadership Days Event were two of the most notable. The handover dinner was wonderfully hosted by Dan and Cynthia at their home. It was a festive evening shared by the outgoing and incoming PSAAPG leaders and culminated with awards and gifts being handed out. John T. Williams went all out with handmade goodies like a Wizard staff and a wonderfully crafted weather station. The weather station now resides with Tony Reid. He wants you all to know that the rock is hot and stationary indicating that the windless heat of summer in Bakersfield is continuing strongly. The AAPG Leadership Days event was attended by many of our esteemed colleagues. A note

from our President as well as a photo of the festivities can be found in later pages of the newsletter.

In the last newsletter, we published an article by Rick Behl on CSULB's concerns of the effects that state policy will have on geological field camps. Rick urges that each of you write a brief letter explaining the critical nature of field camp (see his comments). The topic is of such importance that we are reprinting it in this issue and reminding all of you to send in your letters. We have also included a response to Rick's article (by Bob Yeats - Earth Consultants International and Oregon State University).

I would also like to bring another important topic to your attention. Recently, the California Council on Science and Technology (CCST) was commissioned by the BLM and the California Natural Resources Agency to provide an independent technical assessment on the environmental impact of well stimulation technologies in California. The focus was of course hydraulic fracturing. The full report can be found at http://www.ccst.us/publications/2014/2014wst.php. Considering the importance of fracture stimulation and the limitations being posed by SB4, I highly recommend all members to read this report as a good background to key issues we are facing in California.

Once again, thank you for the opportunity to serve as your editor, and please continue sending in photos, letters, notes, and stories. I urge those of you with article ideas to send them in and keep sharing your knowledge with all of us. The stories don't even have to be in final format, that's my job!

Sincerely, Vaughn







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Thank you, August 16, 2014 Randi Martinsen, President of the AAPG

I enjoyed the 'AAPG Leader Conference' in Snowbird, Utah. As you pointed out, it was a great opportunity to network with various officers and learn more about 'National' AAPG, in an exciting location. The lecture and field trip lead by Dr. Ron Harris was excellent. Albion Basin and 'Cecret Lake' were easily close, yet without you and Ron was unknown for most. As a geo-hazard leader, Ron wisely pointed our responsibility and duty to be mentors, facilitators, initiators and helpers, to be courageous and bold. During our careers, use your knowledge, ability and power to improve the lives of millions by leading the charge to develop more fresh water, energy and timely notification of safety-geohazards.

Dr. Jay Barney illuminated for us to be 'Strategic Leaders'. I appreciate his encouragement to step up and lead where others will follow. As petroleum geologists we naturally search for and discover better, more efficient ways to achieve our goals. The questions from our attendees brought the discussion back to the AAPG and how his ideas would work for us. In my interpretation, his organizational diagram is one option for 'National', creating 'Three Corporations in One' – Western Hemisphere; Europe-Middle East; and Asia-Africa-Asia Pacific. This is still a geographical plan, but geology is a geographical endeavor. I agree that the centralized use of our 'shared resources - financial, accounting, human resources' will bind the three corporations coherently. AAPG is not too large or too small for this plan.

The astronomy lecture and telescopes lead by Katie Densley was excellent-she handled our slightly rowdy geology crowd well. The day was going strong at the very end. It was time for bed, late after her presentation, but perfect timing for night hiking to the upper lot to view Mars, Saturn and 'The Super Moon', through telescopes, Wow! Thank you for organizing this memorable day.

Regarding the AAPG overview, it was 12 hours packed into 4 hours. I have heard the same AAPG presentation several times. It seems we are trying to chase to many venues and unnecessarily compete with ourselves and other 'professional'

organizations. 'Content' alone will never win the hearts and minds of 'geologists'-like a good field trip. I worry that AAPG is trying to be all to all, ultimately neglecting its core constituency, the 'Local Societies'. The Societies are the reservoirs of our professional culture, tradition, history, and future. 'Localism' influences our global effectiveness. The local Society is our place to be nurtured over time, it doesn't just happen. With strong 'Local Societies' we build our unique roots, each is different and never just part of the crowd. I hope AAPG will be judicially competitive; assert ourselves and be the best in those areas that by nature we are the best.

Thank you again for your service and I wish you success in leading the AAPG as our 'President'.

Respectfully, John T. Williams, CA P.G. #5899, DPA C.P.G. #4493 AAPG Pacific Section President



Jon Allen, John T. Williams, Laura Bazeley & Anne Draucker



Dear Friends and Colleagues,

CSULB and some of the other state universities are facing a new threat to running summer field camps.

State policy prohibits requiring students to take classes or fulfill other requirements that cannot be accomplished by enrollment in state-supported classes. For budgeting and political reasons, many (most) summer sessions are no longer "state-supported", but are financially self-supporting by tuition fees. Therefore, we will no longer be allowed to require a class for the BS degree (Summer Field Geology) that requires enrollment during the self-supported summer program. The policy is not new, but it is now being enforced. Older workarounds like having students enroll in Spring, but complete the class in Summer will not be allowed for liability and other legal reasons.

Our department feels that the immersive experience of a >4-week summer field geology class, where students have the challenge and time to work out complex real-world relationships is essential to training competent professional geologists. Fortunately, there may be a solution to the quandary. Under special circumstances, state-support can be implemented for summer courses or activities. However, this will require that administrators are so convinced of the compelling need that they are willing to implement special policy exceptions.

We need your help to make this case. If you agree with the value of immersive field training, I urgently request that each of you write a brief letter explaining the critical nature of such extended field experience (Summer Field Geology) for the professional development of geologists that will contribute to our state's economic, environmental, energy, and infrastructural well-being.

Please send the letters to our department to compile and present en masse by email or post (address below), but address the actual letter to: President Jane Conoley, PhD. California State University Long Beach

We thank you for your help. Our students also will thank you for your help. Sincerely,

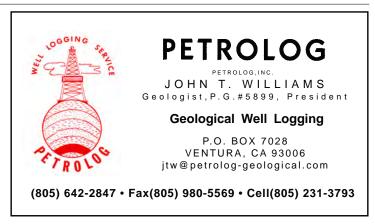
-Rick

Richard J. Behl

Professor, Department of Geological Sciences

California State University, Long Beach









ERNIE BURROUGHS President/Owner Registered Geologist No. 1628 I was appalled to read Rick Behl's letter about bureaucratic obstacles by the State of California in funding the summer field course in geology at State universities. Most geologists I know regard our own summer field course as our capstone course in geology, in which the experience changed us from students taking a string of courses in geology to bona fide geologists. Professional geology is a major career in California, not just in the petroleum industry but also in environmental geology and mining. If the State shuts down the most important course in geology, where will the geologists of tomorrow come from to replace retiring baby boomers?

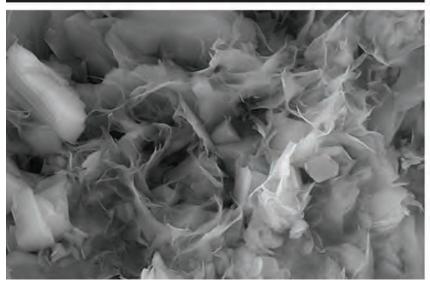
The Pacific Section, although part of AAPG, is the professional home of geologists in all fields, and the field-course problem is one for the Pacific Section and its members to address. Industries employing geologists in California, including major engineering firms, need to step up and financially support summer field courses in geology because our profession cannot afford to see these courses shut down. Done on a large scale, this would be noticed in State government. In addition, if you valued your own field camp experience, donate a scholarship or two to the field camp at your alma mater; that would also be noticed in Sacramento. And finally, your employer should go to Sacramento and educate those short-sighted politicians on the importance of geologists with field experience to the prosperity of the Golden State.

Rick has asked that you write a letter about your own field course and how it helped your career as a geologist. Absolutely! It would be beneficial to deliver a bundle of these letters to the red-tape-obsessed politicians in Sacramento who have dreamed up this problem.

Bob Yeats

Earth Consultants International and Oregon State University

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EVER HAD A WELL PULLED IN ON YOU?

"Wellll . . . John . . . I recon you're still alive!" was the first comment I remember hearing as I picked myself up off the drilling floor where I was wrapped around the Kelly table. --- How did I get here???

That was the summer of 64 and summer jobs with the oil companies were virtually non-existent. There were only two students hired from San Diego State, and I was one of them. Mobil Oil had hired me to work for Magnolia Petroleum in Wichita Falls, Texas.

Well - when I got there they set me out logging wells. Nobody else wanted to do it. Then unusual things started to happen. Drillers were drilling shallow wells for 99 cents a foot (food money to feed families, and gas was 19 cents).

My first well was a 2,300 footer in a relatively new area in the upper Pennsylvanian Cisco Sands. We called the rig "Shakeys" for the mud hose that vibrated everything. During the second week of drilling, a young roughneck stuck his thumb and forefinger in the tongs. I don't think that I remember a time that I felt more ill than the moment he pulled the wafer thin ends of what remained of his fingers out of those angry pincers. There was surprisingly little blood.

Drilling continued ahead, a minor glitch with the tongs and all, and the well actually reached 2,187 feet when the old pipe twisted off. The status sheet read "Gone fishing" for several weeks – finally, we were forced to give up on the fishing, and re-drill the hole. As we were skidding over a load of pipe, the truck with an a-frame came up against a piece of pipe on the ground. The driver of course gunned it and got on top of the pipe and then pushed harder, sending the pipe into the owner's ankle shattering it. Well you guessed it. It was a dry hole.

After all that excitement, I was put on a well named Bywaters 110: a well testing the top of a structure with an expected 50 feet of pay sand. I thought to myself: "Well, I couldn't mess this one up." - They didn't know me!

The drill rig was a nice, clean, trailer-mounted 60 footer. Since part of the rig site was on an old salt water disposal pond, we dug deep footings under the rig supports, placing the hole in the old pan area. The doghouse was about 8 x 10 feet in size, and it is where I ran my mud log samples. On one side of the doghouse was a door with direct access to the drill floor. On the other, a six foot drop to a pile of scattered equipment. A drill site hazard that is unheard of in today's safety standards. It would take a real leap of faith to exit through that door. At least I would never have to go out that way!

It seemed that wells were always completed in the middle of the night, and at about 2am, we had reached TD. We were cleaning out the hole to run open-hole logs. The Schlumberger truck was already positioned to run the logs (the logging crew were off eating before the job), and I was in the doghouse running the last of my samples.

Something didn't feel right: After 3 months of working rigs, I had gotten used to the sounds of the drilling floor. I enquired and found out that the drill bit had become lodged at about 1,500 feet depth. The drill mud had caked around a thin porous sand layer. No amount of reasonable (safe) pulling would free it. As most of you know, one of the ways to free a bit stuck in thin sands is to pull and stretch the pipe, then release the brake. Often, the weight would cause the bit to drop below the constriction to be slicked back through.

Well --- I'm sure you're beginning to ask: What's possibly going to go wrong in this situation? The driller was pulling hard - one of the trailer footings started to give way. This caused the trailer to shift and the rig began to bow and lights began popping. Seeing this, the driller quickly released the break.

At that exact moment, the bit broke loose and dropped. This put all of weight of the 1,500 feet of pipe onto the rig tower; which at this time was swaying. The added weight pulled the rig down on itself. The entire rig collapsed – and it was collapsing in my direction. With my heart in my throat, I took half a step and looked to the drill floor. All I saw were flashes of light. While the driller scrambled on his hands and knees towards the stairs, the roughneck was trying to vault over him. I had never seen them move that fast before, or even fast at all.

(Continued on next page)



Remember that six foot drop into rubble on the other side of the doghouse? Well, I immediately decided that I needed to take that leap of faith – "that was the best route out of here". I never made it as far as the door, when the cable caught me by my neck and flipped me out onto the drilling floor. The cable then took part of the roof of the doghouse off on its route. If I had not taken that half step, the cable would have probably crushed me against the roof.

After the cable flipped me end-over-end (as described by the roughneck), I took a 3-point out across the drilling floor to "hug" the Kelly table. This is where they later found me. Astonishingly, the black scrape on my neck was my only real injury. They described me as being in a daze while I walked over to the company car, took a bucket of water from the pond, and filled the leaky radiator before driving myself home. My wife took quite some time to recover from the incident.

I think that they were glad to see me go at the end of the summer. But they were not as glad as I was. There was nothing to do in town. It got up to 117 degrees one day and then rained. I left my footprints in the street one day. I have never been back.

One last point – DRY HOLE - The 50 feet of sand was there, so was a lot of silt.

"That was the last well that I sat on. For the rest of the summer they put me in the office going through well files from Bayex? Oil that Mobil had acquired. The big thermometer on bank building reached 117 one day. Gas was 19.9 cents."

John was born in California in 39. BA and MS from San Diego State College (now SDSU), PhD from UC Riverside, all in Geology. Taught at Saddleback College for 20 years. Worked on Baja Mapping project with Gordon Gastil. Paleontological consultant for 40 years. Presently Retired from everything except Paleontological consulting (All over California and Baja,) investigating and writing geologic legal briefs for lawsuits, and writing books. Worked for Mobil in Texas and Texaco in Nevada, Pemex in Mexico. Completed some 500 publications including 419 full color geologic quadrangle maps for Tom Dibblee. Active with the AAPG and PSAAPG . Ran 3 PSAAPG and national conventions. Served on House of Delegates and National Advisory council. Associate Editor AAPG Bulletin President of PSAAPG. Levorson Award, Honorary member of PSAAPG, Emeritis member National AAPG, Distinguished Service Award National AAPG.



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for registration information

The West Coast Student Expo has become a premier event that gathers students with prospective employers, and functions as a great technical information exchange as well. It will be held at the University Student Union at Cal State-Northridge. This year, the event will occur October 2-4, 2014.

Last year, 151 students from 35 schools in nine states and three countries participated. Seven prospective employers (six companies and one federal agency) were present as participating organizations.

Registration should open to students August 20, 2014. Details for companies and government agencies, and sponsors are NOW AVAILABLE on the website.

Students and other attendees should check the website listed above in August for details of the event schedule and hotel and venue information.

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Registration deadline is October 4th
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Linda.specht@corelab.com

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2015 PSAAPG CONVENTION

The Pacific Section AAPG 2015 Convention will be in Ventura/Oxnard California, May 3-6, 2015, at the Embassy Suites-Mandalay Bay in Oxnard. Convention Chair Joan Barminski welcomes inquiries and involvement; her contact address is joan.barminski@boem.gov.

-Joan Barminski

ANNOUNCING A WORKSHOP SPONSORED BY THE NORTHERN CALIFORNIA GEOLOGICAL SOCIETY - A WORKSHOP FOR TEACHERS -

NCGS FIELD TRIP FOR NATIONAL EARTH SCIENCE WEEK - Saturday October 25, 2014

"The Hayward Fault – Identifying Urban and Natural Features in the East Bay"

Leaders: Dr. Joyce R. Blueford, Math Science Nucleus,

Dr. Ray Sullivan, emeritus, San Francisco State University

ANSWERS TO PRESIDENT'S MESSAGE QUESTIONS, page 5:

- 1- Bill Rintoul, was born in Taft, CA; he wrote a Bakersfield Californian oil news daily column for 41 years.
- 2- Four of his outstanding books on California Oilfield history include: Drilling Through Time; Spudding In; Drilling Ahead; Oildorado.

Please review the proposed text for The Distinguished Young Professional Award below. Please provide comments. The Distinguished Young Professional Award is given to practicing petroleum geologists who are under 35 years of age or who have been employed as a petroleum geologist for less than 10 years.

It was created in 2014 by input from a cross-section of Pacific Section members. The award recognizes committed young professionals whose involvement in the Pacific Section AAPG, its' affiliated societies, and/or National AAPG has been exemplary. The Honoree represents our best and most promising geologists who have volunteered and demonstrated excellence, enthusiastic participation, organizational creativity, and leadership and passion for the geological sciences.

The former VP of LABGS, Greg Hummel, is battling ALS and YOU can help!
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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

Coast Geological Society

Sign up for the 16th annual WOOLLEY Golf Tournament & BBQ o be held on Friday October 10th. See Advert on page 13. Up and coming talks to be announced soon.

L.A. Basin Geological Society

September 25th: The Role of Climate, Oceanography, Tectonics and Environment in Mudstone Deposition on the Miocene to Quaternary California Margin. --- Dr. Richard Behl.

October 23rd: We are pleased to host Dr. Jim Boles from the University of California at Santa Barbara, who will be talking about Modern oil generation and pyrolysis at >800°C from spontaneous combustion in a landslide of Miocene shale, California.

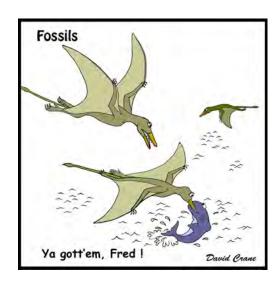
Northern California Geological Society

September 24th, 2014: Dr. Thomas Holzer, USGS Catastrophic Earthquakes In a Crowded World 7:00 pm at Orinda Masonic Lodge

October 29th, 2014: B. Lynn Ingram, UC Berkeley The West without Water 7:00 pm at Orinda Masonic Lodge

November 19th, 2014: Christopher Lewis Tales of the Oil and Gas Fields and Thereabouts 7:00 pm at Orinda Masonic Lodge

Saturday October 25th, 2014: A WORKSHOP FOR TEACHERS



Northwest Energy Association

September Meeting: "Alaska North Slope Production, Exploration, and Future Crude Oil Supplies to West Coast Refineries" SPEAKER: Dave Hite.

October Meeting: "Oil and Gas Infrastructure Preparedness for a Major Cascadia Earthquake;" SPEAKER: Bruce Pasket.

Sacramento Petroleum Association

Up and coming talks to be announced soon.

San Joaquin Geological Society

Up and coming talks to be announced soon.

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.

President: Matt Frankforter
President-Elect: Keith Torrance
Vice-President: Monty Mabry
Secretary: Eric Cannon
Treasurer: Alan Hunter
Past-President: Ken Helmold

mfrankforter@hilcorp.com ktorrance at apcservicesllc.com monte.mabry@bp.com eric_cannon@golder.com paleoman@mac.com ken.helmold@alaska.gov

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); the talk is free. For reservations, please email Bonnie Walters (secretary@coastgeologicalsociety.org), and should be made by 4:00 p.m. on the Friday before the meeting.

President:	Peter Morris	805-745-2149	president@coastgeologicalsociety.org
Past President:	John Harris	805-407-7644	pastpresident@coastgeologicalsociety.org
Vice President:	Bob Blackmur	805-535-2025	vicepresident@coastgeologicalsociety.org
Secretary:	Bonnie Walters	805-933-0076 Ext 292	secretary@coastgeologicalsociety.org
Treasurer:	Christine White	805-535-2074	treasurer@coastgeologicalsociety.org
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@SHPl.net Reservations must be made prior to Tuesday before the meeting.

President:	Jean B. Kulla	949-500-3095	k2mobile@MSN.com
Vice President	Katherine Kovac	801-574-9927	katherine_kovac@oxy.com
Treasurer:	Bert Vogler	562.432.1696	hvogler@kleinfelder.com
Secretary:	Graham Wilson	562.326.5278	Gwilson@SHPI.net
Scholarships:	Karla Tucker	714.658.0474	ktkr2@aol.com

Northern California Geological Society9 Bramblewood CourtContact: Barb Matzwww.ncgeolsoc.orgDanville, CA 94506-1130Barbara.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

NCGS Officers:

President: Will Schweller willschweller@yahoo.com

President-elect: Vacant vacant

John Karachewski Program Chair: cageo@sbcglobal.net Secretary danday94@pacbell.net Dan Day Treasurer Phil Reed philecreed@yahoo.com Membership Chair Tom Barry tomasbarry@aol.com **Newsletter Editor** mdetter1@gmail.com Mark Detterman Field Trip Coordinator Tridib Guha tridibguha@yahoo.com Past President Phil Reed philecreed@yahoo.com Scholarships Phil Garbutt plgarbutt@comcast.net

Northwest Energy Association

P. O. Box 6679 Contact:

Portland, OR 97228-6679 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 7:30 - 9:00 am. The cost is \$18. For information or reservations, contact Jim Jackson.

President John Armentrout jarmenrock@gmail.com
Vice-President Bill Rodgers WLRODGERS@stoel.com
Past President Jim Jackson jackson.js@comcast.net
Treasurer Barb Portwood bbportwood@gmail.com
Secretary Laird Thompson lbtfracs@wildblue.net

House of Delegates: John Armentrout, Anne Fix

Sacramento Petroleum Association

P. O. Box 571 *Contact: David Hartley*Sacramento, CA 95812-0571 *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.

JWR5532@aol.com President: Jerry Reedy 916.486.2643 Vice-President: **David Hartley** 530.304.4277 drilmax1@aol.com Secretary Derek Jones 916.859.4710 djones@gasbiz.com Editor/Treasurer Pam Ceccarelli 916.439.0400 pc626@comcast.net



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 pm, dinner at 7:00 pm, and a talk at 8:00 pm. Dinner is \$25.00 for members with reservations and \$30.00 for nonmembers and members without reservations, and the talks are free.

President:	Anne Draucker	661.428.0350	AnneDraucker@chevron.com
Past President:	Laura Bazeley	661.326.1112	lbazeley@wziinc.com
President-Elect:	Ariel Auffant	661.654.7005	aauffant@chevron.com
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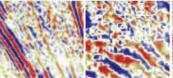
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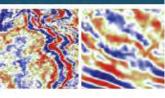
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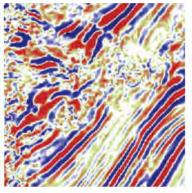












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