



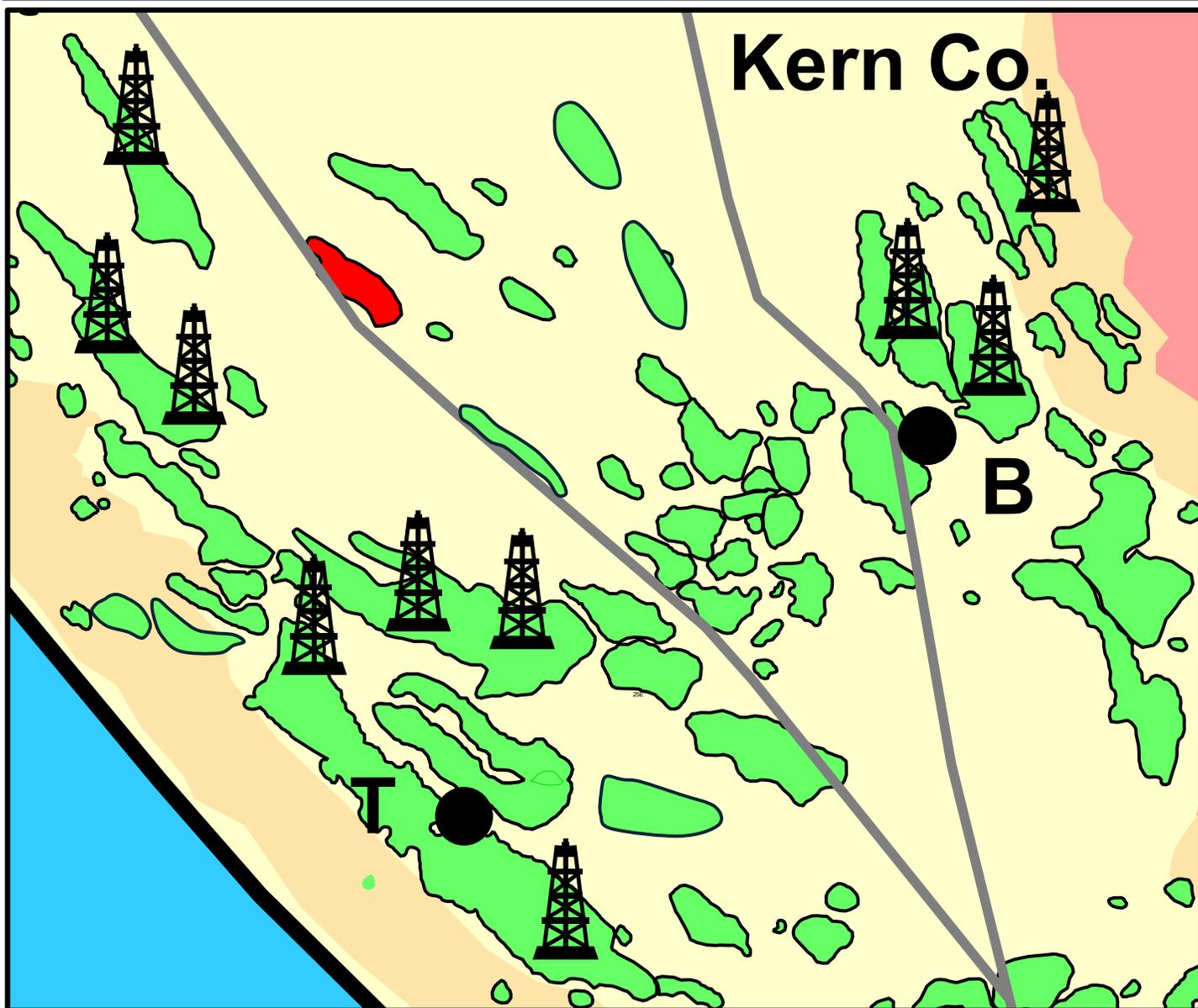
Pacific Petroleum Geology



NEWSLETTER

Pacific Section • American Association of Petroleum Geologists

July and August 2025



**Will New Oil Well Drilling Return to California Soon?
See Noteworthy Media Articles on Page 9**

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**Save the Date:
 Pacific Section AAPG –
 Western Region SPE
 Annual Meeting
 Bakersfield, the week of
 April 12, 2026**

Submit an Article to the
 Pacific Petroleum Newsletter!

- 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

President's Letter**August 1, 2025****Dear Pacific Section AAPG Members,**

I would like to thank Past-President Amy Spaziani and the 2024-2025 Pacific Section Executive Committee for the opportunity to serve as your President. To say I am excited to “be here” is a vast understatement and I greatly look forward to all that is in store for 2025-2026! Undoubtedly you have heard or read in the newsletter of the upcoming Joint Meeting with our Society of Petroleum Engineers, Western Region colleagues - the initial plans are in full swing for April 12th-15th with the exact duration and technical content to be determined as per the response to the forthcoming call for papers. This will be the first in-person meeting since 2019!

In the fall of 2023, the Los Angeles Basin Geological Society and the Pacific Section teamed up at Whittier College to hold what amounted to a mini-conference to commemorate the Section's 100th birthday. Utilizing our excellent online collection of newsletters, beginning in January of 1947, I constructed a history of the Pacific Section based upon the more salient happenings and events between 1924 and 2024. The effort of reviewing the newsletters brought out the amazing historical dimension of our organization, and its stamina.



This is relevant considering the various periods of adversity the Pacific Section has outlived. It's no secret that our industry is under sustained pressure to pack it in and go home. Whatever tide of rhetoric, California's 2023 oil demand was 1.77 million barrels per day and just over 2.0 billion cubic feet of gas per day of natural gas. To say the least, hydrocarbon molecules are dearly needed and responsible in-State production brings enormous societal good. We all have our part to play in this big project of fuel delivery and the more diverse challenges that of retiring oil & gas fields and infrastructure, reusing land, and generally utilizing our skills in new and rewarding ways. Our disciplinary forebears stuck together and persevered through all manner of hurdles, anticipated and otherwise. We carry on with our current activities going beyond the 100th year in 5 affiliated geological societies! This is a great thing and we owe it to each other and the historical effort we stand on to make the most of our opportunities to continue and expand it.

In 1989 it was Bob Horton who asked if I had attended the San Joaquin Geological Society meetings – we were in his office at CSUB right after I had declared geology as a major. Maurice Fishburn had provided the initial boost with his introductory geology course at Taft

College. Add the rest of the crew at CSUB in those days: Steven Mitchell, Rob Negrini, Jan Gillespie, Ed Laskowski, John Coash, and Russ Robinson at the Core Repository, all added their wisdom to our growing intellectual canon. Rusty Riese in the Arco Exploration days aided our acquaintance with nearly all the staff in their Bakersfield office, in particular Bob Jackson and Mike Simmons, who joined Rusty and our small class of beginning petrologists for a field trip up Kern Canyon to see frozen igneous melts. Terry Krebs hosted a geophysical field trip for Rob's geophysics class during the Bakersfield Arch 3D acquisition. Mike Clark ignited my interest in sequence stratigraphy and provided expertise as an advisor on my thesis – and, very importantly, encouraged me to run for Secretary of the SJGS. Jim Dunlavey and Terry Thompson both played outsized roles in getting my professional career started, with Dale Julander, Gena Evola, and the late Tom Zalan and many others in the Bakersfield Chevron office doing their part. For all this invested time and effort, I am forever grateful.

Last week I was tracked down via LinkedIn by two enterprising twin brothers from Orange County. I ended up with voicemails from each one. They are Cal Poly San Luis Obispo grads and each had stints working CalFire hot shot crews. Both of them are driven to change career direction and want careers in the oilfields, specifically offshore. We had a conference call – lots of free advice provided to them and a request to me: would I be willing to mentor and help them if possible? Absolutely!

Pass the Excitement!

Yours Truly,

Dan Steward



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The Pacific Section- AAPG is revamping the advertisements included in the newsletter. This includes:

- New lower rates
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Members	Single Issue	Year (6 issues)
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The PSAAPG will have a new form for you to submit your advertisement and payment. Link to form will be posted on PSAAPG Website and emailed to members and friends of PSAAPG soon.

What can you submit?

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PSAAPG Website (year-round package only)

PSAAPG LinkedIn page (single issue and year-round package)

Pacific Section AAPG

New Executive Committee for 2025-2026



On July 1, 2025, officers for the new Executive Committee for 2025-2026 took office. As with the years during and after the pandemic, only one candidate per office was identified for the two open positions. Pursuant to the articles of the PSAAPG Constitution and Bylaws, on June 30, 2025, the outgoing Executive Committee appointed the Treasurer-Elect and Secretary candidates on July 1 to the open positions.

The new Executive Committee officers for 2025-2026 are:



President: Dan Stewart, who assumes the office from his previous role as President-Elect.



Past President: Amy Spaziani, who assumes the office from her previous role as President.



Treasurer: Simmie Chehal, who assumes the office from her previous role as Treasurer-Elect.



Editor-in-Chief: Tony Reid, continuing for the second year of his two-year term.



Treasurer-Elect: Lisa Alpert, appointed to the position. Previously, Lisa was our Treasurer.



Secretary: Kenton Crabtree, appointed to the position. Previously, Kenton was our Secretary.

President-Elect: the position is vacant. The search continues for an appropriate candidate.

The Executive Committee also contains one representative selected from each of the five active affiliated geological society selected by their existing Executive Committee.

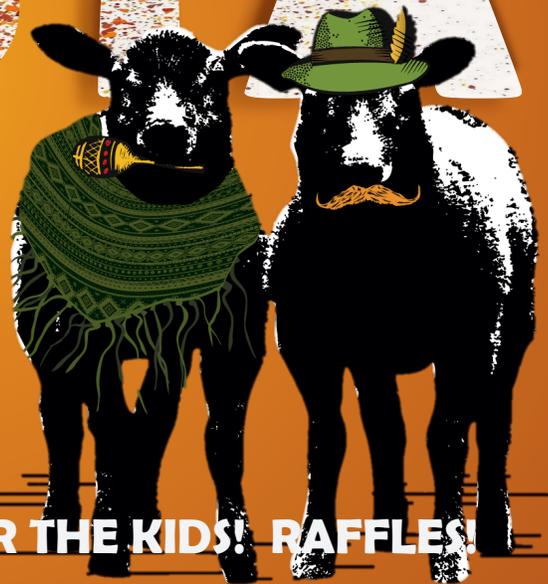
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Pacific Section AAPG Teacher of the Year Kellyn Hardin, Porterville High School

Karla Tucker
PSAAPG TOTY Coordinator

Congratulations to our PSAAPG Teacher of the Year, Kellyn Hardin. Kellyn has taught earth and space science since 2012 and currently teaches at Porterville High School. Kellyn is an excellent teacher who brings science to life for her students. She designs and implements hands-on labs that spark curiosity and get students excited about learning. Her lessons extend beyond theoretical concepts, allowing students to engage with real-world scientific phenomena in a way that is both meaningful and memorable. Through inquiry-based learning, her students develop critical thinking skills and a deep understanding of natural resources, environmental sustainability, and geological processes.



Beyond her instructional expertise, Kellyn is a mentor, collaborator, and leader in science education. She works closely with Career Technical Education (CTE) and Social Science teachers to develop interdisciplinary projects that integrate energy resources, water conservation, and environmental policy. Her ability to bridge science education with real-world career pathways makes her an invaluable asset to her students and colleagues.

Kellyn attended Cal Poly Humboldt, earning a degree in Geology with an emphasis in GeoScience Education. After graduating, Kellyn accepted a GeoCorps internship with Rocky Mountain National Park Education Division, where she led field trips and classroom visits. Kellyn also wrote the Geology Teacher Guide to Rocky Mountain National Park, a published NPS resource on the geologic history of Rocky Mountain National Park. Following Rocky Mountain National Park, Kellyn accepted a Student Conservation Association internship with Yosemite National Park Interpretation Division, where she taught junior ranger programs and worked in the visitor center. After working seasonal jobs, Kellyn pursued her long-term goal and became a high school earth and space science teacher, settling here in the Central Valley. Even though her main job is now in the classroom, Kellyn still finds ways to bring the outdoors to her students. Kellyn works with Nature Bridge WildLink in Yosemite, and each spring, she takes students on a backpacking trip. She also brings students to Sequoia National Park and the local foothills to study water resources. Kellyn's educational philosophy is rooted in her love of the outdoors, with the goal of extending students' understanding of the natural world and empowering them to make decisions based on evidence so they will become better problem-solving citizens.

From the *Bakersfield Californian*, June 27, 2025

Sacramento blinks in oil phase-out

John Cox

In a potential watershed for local oil production, a senior Sacramento energy official recommended Friday that the Newsom administration exempt Kern County's contentious petroleum permitting plan from California's stringent environmental review law in order to help stabilize the state's fuel supply.

Vice Chairman Siva Gunda of the California Energy Commission told Gov. Gavin Newsom in a 24-page letter that litigation over the environmental law has stalled production in Kern County, effectively increasing the state's reliance on imported oil at a time of geopolitical uncertainty and rising refining costs.

Gunda's letter specifically recommended prioritizing Kern County production in "existing established, and densely developed oilfields" but not in areas surrounded by homes, schools and other sensitive sites. It advised keeping in place California's ban on fracking and other controversial well-stimulation techniques.

The move came one day after Kern's Board of Supervisors voted unanimously to approve the third version of a massive environmental review aimed at allowing oil companies to drill up to 26,970 new wells by 2035. The review, which still has to be reviewed by a judge, is expected to be challenged in court by environmental groups concerned about climate change and local health impacts.

If Newsom pushes the recommendation through the state Legislature, as Gunda advised, it would amount to a near-reversal in energy policy for an administration that has aggressively clamped down on in-state oil production in pursuit of a quick transition to zero-emission transportation.

A spokesman for Newsom's office said he and his staff "will review the recommendations in detail and advance solutions that maintain a safe, affordable and reliable supply of transportation fuels for California."

The architect of Kern's 13-year push for local permitting authority, Lorelei Oviatt, called Gunda's recommendation "an evolution" of state policy and an acknowledgment of the work she and her staff have done to promote oil production while also protecting the environment.

She said the biggest change came in April when Newsom "waved the white flag" by asking the commission for advice after two refineries representing a fifth of the state's gasoline supply announced they plan to close.

"We look forward to action being taken on this," said Oviatt, director of Kern's Planning and Natural Resources Department.

Local oil producers have complained for years that the sharp slowdown in oil-field permitting under

Newsom, besides costing good-paying jobs and eroding Kern's tax base, would hurt consumers across the state by reducing energy reliability and raising fuel prices.

The CEO of the California Independent Petroleum Association trade group, Rock Zierman, noted in a statement Friday that the state now imports 78% of its oil while sending \$25 billion annually to countries with lower environmental and labor standards than California's.

"We agree with the Energy Commission on one major point: If California is serious about stabilizing gas prices, it must increase local crude production and stop the rise of expensive foreign imports," he stated.

"Kern County taking control of local permitting decisions would be a step in the right direction."

Earthjustice, an environmental group that has sued to stop local oil permitting, and which criticized the county for pushing forward with its third attempt at a legally sufficient environmental review of local oil permitting, declined Friday to comment on Gunda's recommendations.

The oil production-related comments were among several pieces of advice in the letter, including making regulatory changes in support of the "necessary import" of refined fuel products. It advised putting in place policies and programs to ensure environmental, public health, labor, economic and consumer protections "for a successfully managed transportation fuels transition."

Gunda noted that although demand for gasoline in the state has continued to decline, there is a "credible risk" of additional refinery conversions or closures that could lead to volatility in fuel markets.

His letter said many California refineries are geared to process local crude oil and are not well-suited to run on imports.

Without investment in retrofitting those plants, it said, refineries' processing costs go up and their efficiencies go down.

It also said declining in-state production, as a result of California Environmental Quality Act lawsuits that have stalled Kern oil production, have driven several crude-oil pipelines that carry oil to refineries north and south to run only intermittently. It noted these slowdowns raise oil transportation prices.

The letter went on to point out that relying on imported oil subjects the state to volatile geopolitics. There was additionally an acknowledgment of local conditions.

"The contraction in domestic crude oil production erodes high-wage jobs and shrinks local tax bases, placing additional strain on oil-dependent communities and public services," Gunda wrote.

From the *Bakersfield Californian*, July 24, 2025

Proposed bill would protect Kern's oil permitting system from CEQA lawsuits

John Cox

Kern County's 13-year campaign to streamline local oil and gas permitting would be given 10 years of protection from California Environmental Quality Act lawsuits under a draft state bill supported by the Newsom administration.

Text of the draft indicates local oil producers would also be spared from a proposal facing their peers in other counties, requiring them to plug and abandon two wells for every one they drill.

The proposal represents a reversal for an administration that has hindered in-state petroleum production as part of Gov. Gavin Newsom's stated policy of trying to accelerate a transition to cleaner energy. His approach, criticized by industry and local government, has been to attack not only consumer demand but also California's oil and gas supply.

So far, no state lawmaker has introduced the proposed bill, which was crafted by senior administration officials in consultation with Lorelei Oviatt, who as director of Kern's Planning and Natural Resources Department has been the primary architect of the county's oil permitting system.

If, as planned, the draft is adopted as what's called a trailer bill and then signed into law by mid-September, then the provisions would take effect within about a month. Otherwise, the revised environmental review and permitting ordinance approved last month by the county Board of Supervisors is not expected to take effect for about a year and a half — or longer if the county's opponents file suit by Monday's deadline.

The planned exemption from CEQA litigation is based on a finding that Kern, which provides roughly three-quarters of California's oil production, would have already met its environmental protection obligations.

The draft fleshes out a recommendation the vice chairman of the California Energy Commission sent late last month to Gov. Gavin Newsom, who had requested the agency's advice after news hit that two large refineries in the state were closing. Vice Chairman Siva Gunda's 24-page response noted that CEQA litigation has stalled production in Kern County, effectively increasing the state's reliance on imported oil at a time of geopolitical uncertainty and rising refining costs.

A spokesman for the governor offered a statement of support for the proposal.

"We continue to work with the Legislature on policy that will help stabilize California's petroleum market while ensuring a safe, reliable and affordable supply of transportation fuels," spokesman Daniel Villasenor said in an email. He added that the draft language is consistent with

recommendations from Gunda and the Petroleum Strategy Task Force set up to offer strategies for transitioning toward cleaner energy without cutting off the state's access to petroleum-based fuels. There is no guarantee Newsom's allies within conservation and environmental justice organizations will go along.

An attorney for one of the groups that has sued under CEQA to block Kern's environmental review took issue Thursday with the proposed bill, saying by email that the state Legislature should not "blindly endorse" the county's plans to fast-track new drilling.

"This state law (CEQA) fairly requires authorities to disclose and address the harmful effects of fossil fuel development on health and the environment," Earthjustice attorney Colin O'Brien wrote.

But trade group CEO Rock Zierman of the California Independent Petroleum Association welcomed the proposal. He noted the latest version of the county's permitting system requires 89 mitigation measures to cushion the impact of local oil production, backed by an environmental assessment measuring 30,000 pages.

"If we don't want more refineries to close and gasoline to go to \$8 a gallon, we must produce more oil in Kern County, since several refineries must have domestic crude to stay open," he stated.

Besides declaring Kern's oil and gas permitting plan in compliance with CEQA until January 2036, the proposed bill would affirm the state's ban on well-stimulation treatments such as fracking. It would also add new regulatory requirements on idle offshore oil pipelines, including hydrostatic testing and assurances of financial responsibility.

Oviatt said the local CEQA exemption's 10-year limit does two things. It allows oil production through the end of California's "mid-transition" period while also signaling to oil investors that their money would be safe for the next decade.

"Why would you invest in California when the policy changes every 10 minutes?" she asked.

Policymakers behind the proposal hope it will become a formal bill before the Legislature returns to session on Aug. 12.

Oviatt said there's no time to waste because of the risk that another refinery could close or that owners of pipelines running between Kern and refineries in Southern and Northern California would shut them down because there is so little crude flowing in them.

"What happens then?" she asked. "The Legislature has to do something."

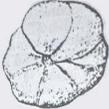
She noted no lawsuits had been filed as of Thursday morning challenging the county's latest oil permitting review. But even if one does come in before Monday's deadline, the language proposed for a bill, if it becomes law, would render any such litigation moot.

If no suit is filed before the deadline, the latest version of the permitting system will take effect. But even then, the county expects it wouldn't be able to issue any new oil permits for a year and a half because of its obligations under the last CEQA challenge.

Kern's permitting system was seen as critical to local production because state reviews have slowed dramatically. Oviatt said that if the proposed bill is adopted, the state's primary oil regulator — the California Geologic Energy Management Division — would be able to rely on Kern's environmental review for projects proposed within the county. Oviatt said her consultation on the proposed bill language has required her to travel back and forth between Kern and Sacramento "a few times" during the past month.

She emphasized the proposed bill, like the county's permitting system, would not waive any environmental protections, including the state's 3,200-foot buffer zone between oil-field operations and sensitive sites such as homes and schools. Instead, it would institute new safety measures not contemplated elsewhere in the state.

"This is the right thing to do," she said. "We need to protect the air. We need to protect the water."



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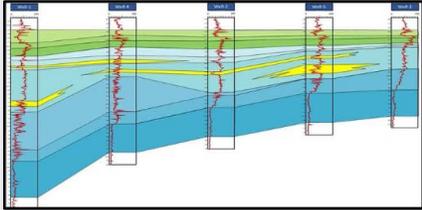


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Continuing Eruption of Kilauea, Hawaii



Episodic eruptions continue at Kilauea on the island of Hawaii. Episodes began on December 23, 2024, with episodes lasting from a few hours to several days. Volcanic activity is limited to the Halema'uma'u crater within the Kilauea caldera. This image is a screen shot of episode 28, taken from a west-looking live-streaming USGS camera on July 9, 2025. Maximum height of fountaining on this day was 1200 feet.

Reprinted with permission from the AGS newsletter, volume 54, no. 3, 2023:

**HEROES OF ALASKAN PALEONTOLOGY – EDWIN KIRK, USGS, [1884-1955] –
SPECIALIST IN PALEONTOLOGY OF ALASKA AND THE WESTERN CORDILLERA**

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Edwin Kirk
(1884-1955)



Passport photo of E. Kirk from 1920 which notes that he stood at 5 ft. 10 in., was of fair complexion, with light colored hair

This article is the continuation of a planned series of contributions honoring paleontologists who have established much of the basic paleontological and stratigraphical framework of Alaska in the published record of geological studies of our State. The subject here is Edwin Kirk, USGS paleontologist and geologist who was responsible for much of our early understanding of the early Paleozoic (notable Silurian, but also including Ordovician, Devonian, and Mississippian) rocks and fauna.

Edwin Kirk was born December 6, 1884 in Richland, South Dakota. He was the son of Nathan Allan Kirk and Caroline E. (Née Freeman) Kirk (see Fig. 1). Edwin and his wife Page Taylor were married June 26, 1913 at her home “Lego” near Charlottesville, Virginia. She was a descendant of Thomas Jefferson. Together they had a son (Edwin Roger Kirk) and a daughter (Mary Mann Kirk). Edwin Kirk died November 17, 1955 in his USGS office at the Smithsonian Institution, Washington D.C.

The Smithsonian Archives office provides the following biographic information on the career history of Kirk: “Edwin Kirk (1884-1955) was educated at Columbia University where he received his Ph.D. degree in 1911. While at Columbia, Kirk was an Assistant to Amadeus W. Grabau, one of America’s foremost teachers of geology and paleontology. In 1907, Kirk left Columbia to become an Assistant Paleontologist with the United States Geological Survey (USGS). In 1909, he was promoted to Junior Geologist, and subsequently held positions as Assistant Geologist, 1911-1913; Associate Geologist, 1913-1914; Paleontologist, 1914-1920; Associate Geologist, 1921-1952; and Geologist, 1952-1954. In 1920, Kirk interrupted his service with the USGS to become a paleontologist with the Bolivia-Argentina Exploration Corporation. When Kirk joined the USGS he was an Assistant to Edward Oscar Ulrich, studying Ordovician and Silurian sediments of the Appalachians. Later, Kirk made field trips to the Rocky Mountains, the Great Basin, and southeastern Alaska. Kirk also had an avocational interest in the history of science.”

Kirk was honored in his lifetime by several invertebrate genera which were named in his honor, including *Kirkina* Salmon, 1942 (Ordovician brachiopod from the Pogonip Limestone of Utah), *Kirkidium* Amsden, Boucot and Johnson, 1967 (Silurian brachiopod), and *Kirkospira* Rohr and Blodgett, 2003 (Silurian gastropod from Glacier Bay). His most cited Silurian work is that of Kirk and Amsden (1952), a monographic study of the Silurian brachiopod fauna of southeast Alaska. Subsequently, one of their richly diverse localities was re-assigned an Early Devonian (Pragian) age by Savage (1981). In addition to his Silurian Alaskan taxonomic papers, he also author other papers on Ordovician and Silurian of Alaska (Kirk, 1918a, b; 1929) and a paper on Devonian stringocephalid brachiopods from southeast Alaska and the Great Basin (Kirk, 1927c), and a new Carboniferous crinoid from southeast Alaska (Kirk, 1937a, b). His other significant publications include a paper on a Devonian bivalve from China (Kirk, 1927d), one on the Paleozoic stratigraphy of the Inyo Mountains in California (Kirk, 1918), one on a Silurian gastropod from Nevada (Kirk, 1930), as well as numerous papers involving Paleozoic crinoids from outside of Alaska (not cited herein). An earlier published memorial article on Kirk was published in 1956 by G. Arthur Cooper (Cooper, 1956).

The Silurian fauna of the Alexander terrane of southeast Alaska is very similar faunally with the Farewell terrane of southwest and west-central Alaska and both here are suggested to belong to a new unnamed biogeographic province within the Uralian-Cordilleran Region of the North Silurian Realm (see fig. 2 therein). These close Silurian faunal ties of the Alexander terrane of southeast Alaska with those of the Urals and Siberian were earlier noted in Kirk and Amsden (1952), Blodgett (2013), Blodgett et al. (2002, 2010, 2013), and Rohr and Blodgett (2008). Close linkages are also suggested with the Eastern Klamaths of California and the Seward Peninsula although the data is still not robust for those latter areas.

Kirk conducted two intensive summers of field studies in Alaska during 1917 and 1918, his work was limited to the southeast part of the State, where he made large collections of invertebrate fossils which are deposited in the U.S. National Museum in Washington, D.C. Some of his collections were made in Johnson Cove in Glacier Bay National Park (Fig. 2). Other areas of intensive study by Kirk included Chichagof Island, Prince of Wales Island, Heceta Island, and Kosciusko Island.

As noted earlier, Kirk passed away on November 17, 1955. Arthur J. Boucot, the Ph.D. advisor of two of the authors (Blodgett and Rohr) shared an office with Edwin Kirk in the early 1950's. An interesting anecdotal story he related to us was the fact that Kirk lost a leg when he fell into a mine shaft doing geological work in Nevada in the 1920's. He subsequently used a prosthetic leg for the rest of life, and you could hear his "leg" creaking when he walked down the hallway in the Natural History Museum building where the USGS Branch of Paleontology was housed. Just before he passed away, they noted no one had heard his motion down the hallway so they eventually opened the door to find him deceased at his desk.



Figure 1. Gravestone of Edwin Kirk and his wife Page Kirk. The location of their burial is in the family graveyard at Monticello Graveyard, Albemarle County, Virginia.



Figure 2. Johnson Cove on northern Willoughby Island, Glacier Bay. Edwin Kirk collected many specimens from the Silurian Willoughby Limestone on Willoughby Island in 1917.

PHOTOS OF FOSSIL GENERA ESTABLISHED IN THE SILURIAN OF SOUTHEAST ALASKA BY EDWIN KIRK

BROOKSINA KIRK, 1922 (SILURIAN BRACHIOPOD)

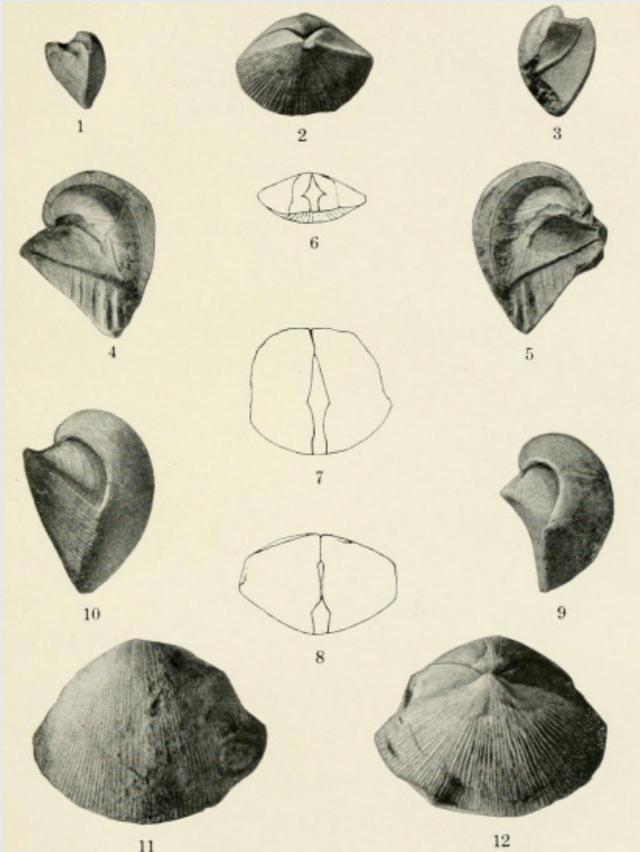


Figure 3. *Brooksina alaskanesis* Kirk, 1922, Silurian age Heceta Limestone, Kosciusko Island, Southeast Alaska.

CYMBIDIUM KIRK, 1926 (SILURIAN BRACHIOPOD)

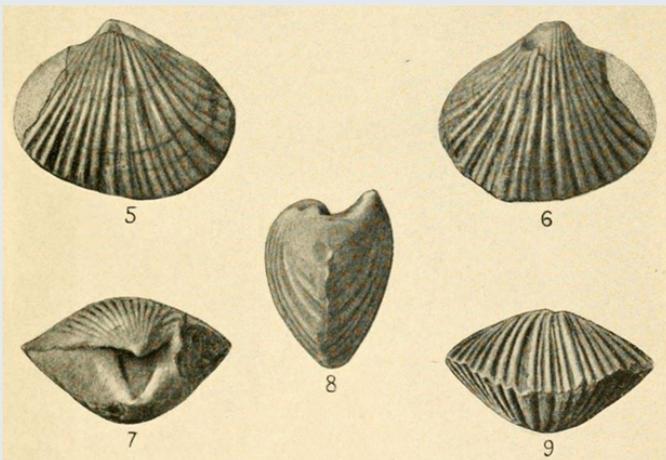


Figure 5. *Cymbidium acutum* Kirk, 1926. Heceta Limestone, Kosciusko Island, Southeast Alaska.



Figure 7. *Pycinodesma giganteum* (Kirk) bed at Johnson Cove, Willoughby Island, Glacier Bay, Southeast Alaska. See Rohr et al., 2023, for additional information on this genus.

HARPIDIUM KIRK, 1925 (SILURIAN BRACHIOPOD)

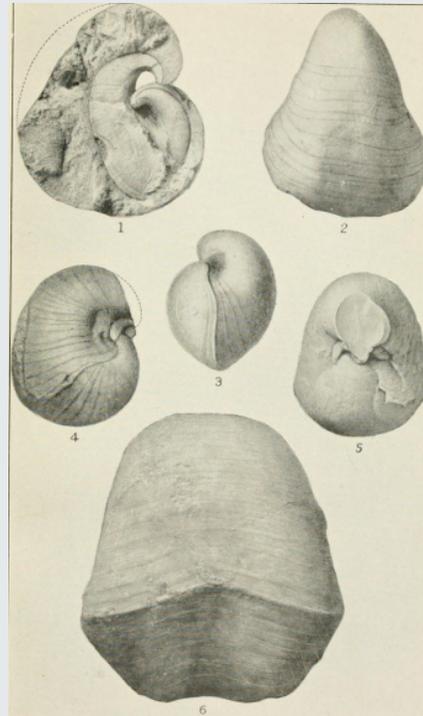


Figure 4. *Harpidium insignis* Kirk, 1925. Silurian age Heceta Limestone, Heceta Island and Kosciusko Island, Southeast Alaska. This is the type species of the genus. In addition, Kirk recognized two other species of this genus (*H. rotundus* and *H. latus*) from nearby strata in Southeast Alaska.

PYCINODESMA KIRK, 1927 (SILURIAN BIVALVE)

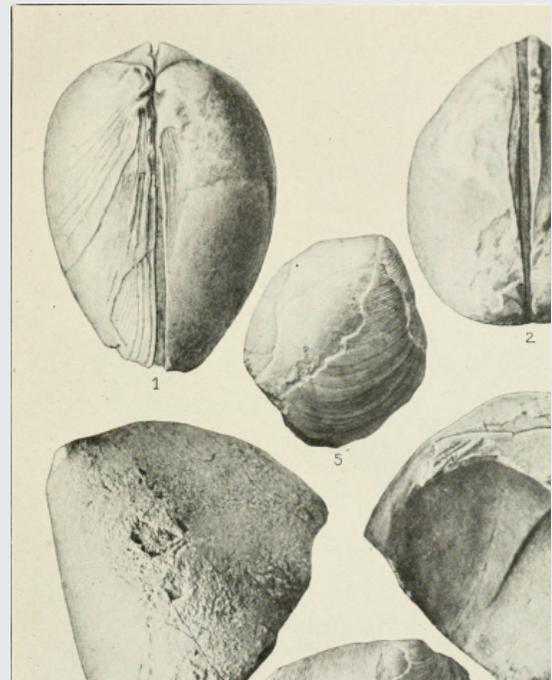


Figure 6. Kirk's (1927a) original illustration of *Pycinodesma giganteum*. Views 1-5 are of the genotype (holotype) specimen. View 6 is of another specimen questionably included in the species. All specimens from Willoughby Limestone, Glacier Bay..

BATHMOPTERUS KIRK, 1928 (SILURIAN GASTROPOD)

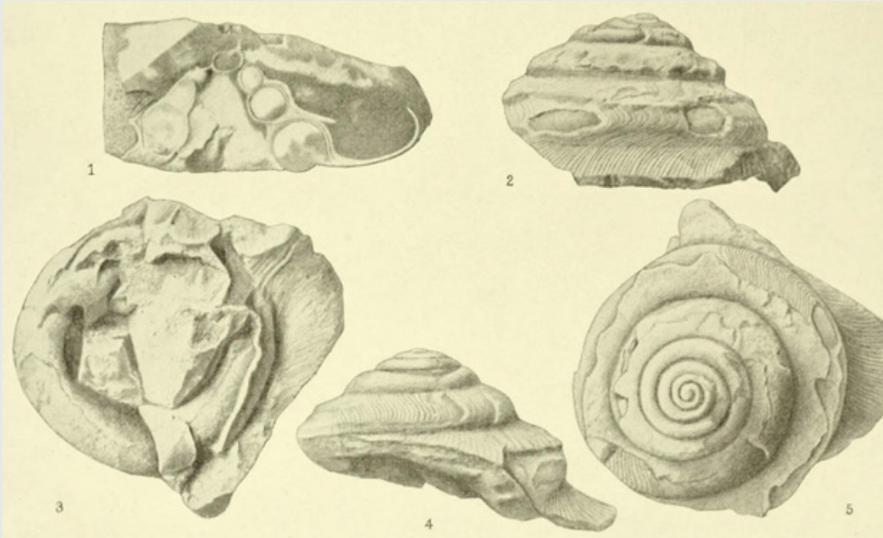


Figure 8. *Bathmopterus liratus* Kirk, 1928 from the Silurian age Willoughby Limestone, Willoughby Island, Glacier Bay, Southeast Alaska.

PHOTOS OF FOSSIL TAXA ESTABLISHED IN THE PALEOZOIC OF ALASKA NAMED IN HONOR OF EDWIN KIRK



Figure 10. Photo of the holotype of the Silurian gastropod *Kirkospira glacialis* Rohr and Blodgett, 2003 from the Silurian age Willoughby Limestone. Specimen collected by E. Kirk from Willoughby Island, Glacier Bay.

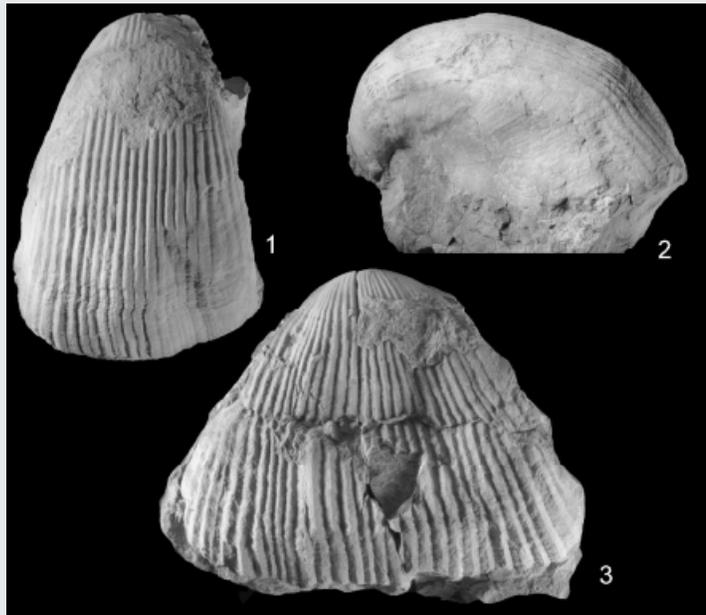


Figure 11. *Kirkidium alaskanense* (Kirk and Amsden), Heceta Limestone, Prince of Wales Island. These illustrated specimens range from 8-12 cm in length. (from Blodgett, 2012, Fig. 1)

Figure 12. Bank-like accumulation of *Kirkidium alaskanense* (Kirk & Amsden), Heceta Limestone, Prince of Wales Island, Southeast Alaska (from Blodgett, 2012, fig. 2).



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- Amsden, T.W., Boucot, A.J., and Johnson, J.G., 1967, *Conchidium* and its separation from the Subfamily Pentamerinae: *Journal of Paleontology*, v. 41, no. 2, p. 861-867.
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Member Society News

ATTENTION PACIFIC SECTION AAPG MEMBERS

- Do you have a talk you would like to give at a Pacific Section Society meeting?
- Most of the Pacific Section Societies are searching for talks to completed their monthly meeting schedules for 2025.
- You are encouraged to contact the Societies and inquire about the suitability of your talk for their audiences.

Alaska Geological Society
www.alaskageology.org

P. O . Box 101288
Anchorage, AK 99510

Monthly meetings are usually held on the last Thursday of the month. Most meetings are hybrids, using Google Meet, and in person at the BP Energy Center. Doors open 11:00 am.

AGS's summer break has started. Talks will resume in September.

President:	Ken Helmold	helmold@alaskan.com
President-Elect:	OPEN	
Vice-President:	Dave Buthman	byron7929@yahoo.com
Secretary:	Adam Manzer	adam.manzer@alaska.gov
Treasurer:	Veronica Jones	joneslynnveronica@gmail.com
Past-President:	Monte Mabry	mmabry@blm.gov

Coast Geological Society
coastgeo.org

P. O. Box 3055
Ventura, CA 93006

The Coast Geological Society has a new web site: coastgeo.org.

In-person meetings are the third Tuesday of the month at the Poinsettia Pavilion, 3451 Foothill Rd, Ventura, CA 93003

CGS's summer break has started. Talks will resume on Tuesday September 19, 2025.

President:	John Williams	CoastGeologicalPresident@gmail.com
Past-President:	Renee Richards	
Vice President:	Sabina Thomas	CoastGeologicalVicePresident@gmail.com
Secretary:	Nina Minga	CoastGeologicalSecretary@gmail.com
Treasurer:	David Arellano	CoastGeologicalTreasurer@gmail.com
Membership chair:	Phil Kinney	CoastGeologicalMembership@gmail.com
Webmaster/Tech Support:	Eric Heaton	CoastGeologicalWebmaster@gmail.com

(Continued on next page)

Los Angeles Basin Geological Society
www.labgs.org

Monthly dinner meetings are held on the 3rd Thursday at the Barrel Room of Four Sons Brewing, 18421 Gothard Street, Suite 100, Huntington Beach. Our Attitude Adjustment begins at 6 PM, Talk at 7 PM. See the most recent newsletter on their website for the latest details on upcoming talks and events.

LABGS monthly meeting will continue through the summer. Check the web site for the next meeting.

President:	Dan Steward	daniel@ironhorseenergy.com
Vice President & Programs	Rick Behl	richard.behl@csulb.edu
Treasurer:	Daniel Rice	ricedaniel@213@gmail.com
Secretary:	Joseph Landeros	landerosjd@gmail.com
Scholarships:	Karla Tucker	ktrk2@aol.com
Webmaster	Joseph Landeros	landerosjd@gmail.com

Northern California Geological Society
www.ncgeolsoc.org

803 Orion #2
Hercules, CA 94547-1938

Meetings are at the Orinda Masonic Hall and online using Zoom on the fourth Wednesday of the month. Talks are 7:15 pm to 8:30 pm (social half-hour at 6:30 pm)

Next meeting: Wednesday, June 25, 2025

Speaker: Dr. Joseph Moore, University of Utah

Topic: "Geothermal Energy Development, the Frontier Observatory for Research in Geothermal, and Current Geothermal Activity in Utah"

President:	Jim O'Brient	j.obrient @ comcast.net
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Past President:	Noelle Schoellkopf	NoellePrince @ sbcglobal.net
Treasurer:	Don Medwedeff	donmedwedeff@gmail.com
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Field Trip Coordinator:	Will Schweller	willschweller@yahoo.com
K-12 Program Co-Chairs:	OPEN	
Scholarships:	Phil Garbutt	plgarbutt@comcast.net

San Joaquin Geological Society
www.sanjoaquingeologicalsociety.org

P. O. Box 1056
Bakersfield, CA 93302

DINNER MEETINGS:

SJGS meetings are on the second Tuesday of the month at the American Legion Hall, 2020 H St Bakersfield, CA.

The SJGS is taking their summer break and monthly talks will resume in October.

The SJGS Fall Fiesta will be on Friday, September 19th.

President:	Kari Hochstatter	khochstatter@gmail.com
Past President:	Ron Foster	ronleefoster@gmail.com
President-Elect:	Brandon Clark	
Vice-President:	Obinna Nzekwe	
Secretary:	Adrian Montoya	
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