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 Monthly Newsletter of the *Kern County Mineral Society (KCMS)*

## President's Message

### James May - KCMS

### President 2023



With the warm weather and longer days, the Kern County Mineral Society is taking advantage of their opportunities to get out and collect rocks and minerals. We are trying to take advantage of this wonderful time of the year before temperatures get too hot.

Special thanks to the two guest speakers, CSUB stipend winners, Monica Hinson and Hannah Warner for giving excellent presentations. We certainly wish them good fortunes on the field camp commitments this summer. Thanks to the members who contributed with the Kern County Fair to ensure that we are always able to award stipends to Earth science students.

We had an excellent field trip this last Saturday to Jalama Beach neat Lompoc. We enjoyed a potluck followed by collecting jasper and agate along the beach. There are numerous pictures of the experience included in this edition of the newsletter. In addition to the great rock collecting, we were treated to the blue Cnidarians washed up on the shoreline called velellas. After a little research, their numbers appear to be attributed to warmer waters which is a harbinger of El Nino conditions. I didn't want to step on them for fear of them being jelly fish but actually they are colonial organisms that sail on the waters of the Pacific and are at the mercy of the direction of the wind. We also saw a sea lion with a transmitter on its back that was very protected. of its place on the beach.

If you are going to be in town this Memorial Day weekend please stop on by the Rock and Lapidary Workshop on Saturday, May 27<sup>th</sup> from 9 AM till Noon. You are welcome to use the equipment.

I am pleased to announce that we have our Potluck and Rock Auction scheduled for Thursday, June 15<sup>th</sup>. This is one of our most important gatherings of the year. I will briefly mention a few important items that impact the Club, but the night is reserved for a potluck followed by the rock auction. Please bring three or four items that you are willing to donate to the Club. You will be assigned a bid paddle and if you wish to bid on an item raise the bid paddle to make your bid. It is a lot of fun and hopefully you will go home with a few nice items. Please note that items you donate do not need to be rocks.

The Lodi Show is scheduled for June 23<sup>rd</sup> through June 25<sup>th</sup>. They are in need of CFMS members to assist as greeters for the show and have reached out to clubs for assistance.

As you are aware, we are concerned about land restrictions proposed for the Mojave Trails National Monument. We have multiple locations in the Monument that we currently collect on. The CFMS is encouraging us to participate in as many of the calls and meetings as possible and make our voices hurt. Once restrictions are in place there is no going back, so if you can make your voice heard in preplanning calls this because very important.

As we approach the mid-way point of the year and the KCMS has a lot to be proud of. We have a workshop and many active members that make the club fun and vibrant. -- James

**Next General Meeting  
(Potluck and Rock Auction)  
Thursday, May 15<sup>th</sup> at 6:30 PM  
\*\*East Bakersfield Church of Christ  
3500 Bernard Street, Bakersfield, CA  
(\* Still waiting for confirmation)**



**Veella  
By-the-Wind Sailor**



**LAST FIELDTRIP  
Saturday, May 20<sup>th</sup>, 2023 to Jalama Beach**



**Next Rock and Lapidary Workshop  
Saturday, May 27<sup>th</sup> at 9:00 AM  
The Fleishauer's House**



## TABLE OF U.S. STATE MINERALS, ROCKS, STONES, AND GEMSTONES

STATE	MINERAL	ROCK	GEMSTONE
1. Alabama	Hematite (1967)	Marble (1969)	Star Blue Quartz (1990)
2. Alaska	Gold (1968)	-----	Nephrite Jade (1968)
3. Arizona	Wulfenite (informal)	-----	Turquoise (1974)
4. Arkansas	Quartz (1967)	Bauxite (1967)	Diamond (1967)
5. California	Gold (1965) <i>The Golden State</i>	Serpentinite (1965)	Benitoite (1985)
6. Colorado	Rhodochrosite (2002)	Yule Marble (2004)	Aquamarine (1971)
7. Connecticut	Almandine garnet (1977)	-----	-----
8. Delaware	Sillimanite (1977)	-----	-----
9. Florida	-----	Agatized coral (1979)	Moonstone (1970)
10. Georgia	Staurolite (1976)	-----	Quartz (1976)
11. Hawaii	-----	-----	Black Coral (1987)
12. Idaho	-----	-----	Star Garnet (1967)
13. Illinois	Fluorite (1965)	-----	-----
14. Indiana	-----	Salem Limestone (1971)	-----
15. Iowa	-----	Geode (1967)	-----
16. Kansas	Galena (2018)	Greenhorn Limestone (2018)	Jelenite - <i>form of amber</i>
17. Kentucky	Coal (1998)	Kentucky Agate (2000)	Freshwater Pearl (1986)
18. Louisiana	Agate (2011)	-----	Lapearlite (2011)

## TABLE OF U.S. STATE MINERALS, ROCKS, STONES, AND GEMSTONES

STATE	MINERAL	ROCK	GEMSTONE
19. Maine	-----	-----	Tourmaline (1971)
20. Maryland	-----	-----	Patuxent River Stone Agate
21. Massachusetts	Babingtonite (1971)	Roxbury Puddingstone (83)	Rhodonite (1979)
22. Michigan	-----	Petosky stone (1965)	Chlorastrolite
23. Minnesota	-----	-----	Lake Superior Agate (1969)
24. Mississippi	-----	Petrified Wood (1976)	-----
25. Missouri	Galena (1967) <i>The Lead State</i>	Mozarkite (1967)	-----
26. Montana	-----	-----	Sapphire and Montana Agate
27. Nebraska	-----	Prairie Agate (1967)	Blue Chalcedony (1967)
28. Nevada	Metal: Silver (1977) <i>The Silver State</i>	Sandstone (1987)	Virgin Valley Black Fire Opal Nevada Turquoise (1987)
29. New Hampshire	Beryl (1985)	Granite (1985) <i>The Granite State</i>	Smokey Quartz (1985)
30. New Jersey	-----	-----	-----
31. New Mexico	-----	-----	Turquoise (1967)
32. New York	-----	-----	Garnet (1969)
33. North Carolina	Gold (2011)	Granite (1979)	Emerald (1973)
34. North Dakota	-----	-----	-----
35. Ohio	-----	-----	Ohio Flint (1965)

## TABLE OF U.S. STATE MINERALS, ROCKS, STONES, AND GEMSTONES

STATE	MINERAL	ROCK	GEMSTONE
36. Oklahoma	Hourglass Selenite (2005)	Rose Rock (Barite)	-----
37. Oregon	Oregonite (2013) Josephinite (2013)	Thunderegg (1965)	Oregon Sunstone Labradorite
38. Pennsylvania	-----	-----	-----
39. Rhode Island	Bowenite Serpentine (1966)	Cumberlandite (1966)	-----
40. South Carolina	-----	Blue Granite (1969)	Amethyst (1969)
41. South Dakota	Rose Quartz (1966)	-----	Fairburn Agate (1966)
42. Tennessee	Agate (2009)	Limestone (1979 – Present) Tennessee Agate (1969 -2009)	Tennessee River Pearl (1979)
43. Texas	Silver (2007)	Oligocene Petrified Palmwood	Texas Blue Topaz (1969)
44. Utah	Copper (1994)	Coal (1991)	Topaz (1969)
45. Vermont	Talc (1991)	Granite, Marble, Slate (1992)	Grossular Garnet (1991)
46. Virginia	-----	Nelsonite (2016)	-----
47. Washington	-----	-----	Petrified Wood (1975)
48. West Virginia	-----	Bituminous Coal (2009)	Mississippian Lithostratationella Coral
49. Wisconsin	Galena (1971)	Red Granite (1971)	-----
50. Wyoming	-----	-----	Wyoming Nephrite Jade

## TRILOBITES

(Index Organism of the Paleozoic Era)



**What are Trilobites?** Trilobites are hard-shelled, segmented creatures that existed over 300 million years ago in the Earth's ancient seas. They went extinct before dinosaurs even existed, and are the signature creatures of the Paleozoic Era, the first era to generate a diversity of complex life forms, including nearly all of the phyla of today. Although dinosaurs are the most well-known fossil life forms, trilobites are also a favorite among those familiar with paleontology (the study of the development of life on Earth). Trilobites were among the first of the arthropods, a phylum of hard-shelled creatures with multiple body segments and jointed legs. They constitute an extinct class of arthropods, the Trilobita, made up of nine orders, over 150 families, thousands of genera, and over 15,000 described species. New species of trilobites are unearthed and described each year. This makes trilobites the single most diverse group of extinct organisms, and within the generalized body plan of trilobites there was a great range of size and form. The smallest known trilobite is just over a millimeter long, while the largest include species from 30 to 70 cm in length (roughly a foot to over two feet long!). With such a diversity of species and sizes, thoughts on the lifestyles of trilobites include planktonic, swimming, and crawling forms, and we can presume they filled a varied set of ecological roles, although perhaps mostly as predators, detritivores, and scavengers. Most trilobites are about an inch long, and part of their appeal is that you can hold and examine an entire fossil animal in your hand. Try that with a dinosaur! Whatever their size, all trilobites share a similar body plan, being made up of three main body parts: a cephalon (head), a segmented thorax, and a pygidium (tail piece). However, the name "trilobite," meaning "three lobed," is not in reference to those three body features, but to the fact that all trilobites bear a long central axis, or axial lobe, flanked on each side by right and left pleural lobes. These three lobes that run from the cephalon to the pygidium give trilobites their name. Trilobites are distinguished from their sister arthropods via characters thought to be unique to trilobites, including their three-lobed structure, a dorsally calcified exoskeleton, and a specialized ventral mouthpart called a hypostome. Although they are all extinct now, they were among the first explosions of biological diversity that this amazing planet of ours has produced over the eons.

***This Introduction is an adaptation of the award-winning website: A Guide to the Orders of Trilobites <http://www.trilobites.info> Copyright 1999 - 2009 Samuel M. Gon III All rights reserved***

**UPCOMING ROCK, MINERAL, AND GEM SHOWS****UPCOMING ROCK AND MINERAL SHOWS – SUMMER 2023****June 3-4, 2023 – Jackson, CA**

Amador County Gem &amp; Mineral Society

Gem and Craft Show at Kennedy Mine, 12594 Kennedy Mine Rd., Jackson, VA 95642

Hours: 10 AM - 4 PM

Contact: (916) 698-9853, [mountaingirl@volcano.net](mailto:mountaingirl@volcano.net)Website: <http://amadorgemandmineral.org>**June 10-11, 2023 – Escondido, CA**

Palomar Gem and Mineral Club

The Convention Center at the California Center for the Arts – 340 North Escondido Blvd, Escondido CA 92025

Hours: Saturday 10 AM – 5 PM, 10 AM – 4 PM

9000 square feet of Artisans selling handmade silver, gold, beaded and fabricated jewelry, antique and vintage jewelry, commercial quality gold and silver faceted stone jewelry, handmade specialty cabochons, mineral specimens, gem trees, other lapidary decorative items and rough rock from Africa, Australia as well as the USA. Don't have the time to go to Quartzite or Tucson – come to Escondido and shop local.

Contact: [tonifloyd41615@gmail.com](mailto:tonifloyd41615@gmail.com)Website: <http://palomargem.org>**June 17, 2023 – Bellflower, CA**

Delvers Gem &amp; Mineral Society

DELVERS PARKING LOT SALE, 14515 Blaine Ave., Bellflower, CA 90706

Hours: 10 AM – 4 PM

Website: <https://delversgemclub.wordpress.com/>**JUNE 23-25, 2023 – LODI, CA****CFMS SHOW AND CONVENTION****LODI GRAPE FESTIVAL GROUNDS, 413 E. LOCKEFORD ST., LODI, CA 95240**

Hours: Friday and Saturday 10 AM – 5 PM, Sunday 10 AM – 4 PM

Educational Exhibits, Speakers

Adults \$6, Kids 12 &amp; under FREE

Free admission to MILITARY Active, Veterans and their Dependents with valid Military ID card. THANK YOU FOR YOUR SERVICE

For information: [rocksbob@sbcglobal.net](mailto:rocksbob@sbcglobal.net)Dealer information: [slchaisson@yahoo.com](mailto:slchaisson@yahoo.com)



# KCMS CLASSIFIEDS

**KCMS is proud to announce the addition of a Classified Ads Section to the Pseudomorph Newsletter!!**

Calling on all members who have any items that they want to sell or those looking to buy.

**Rocks, Minerals, Rock Saws, but that's not all!! We will also accept Lawn Equipment, Electronics, Homemade Crafts, etc.**

**The Pseudomorph Classifieds will not be limited to only rock & mineral related items, but to any items members are looking to sale.**

When making a classified ad for the newsletter be sure to include:

- Description of Item
- Asking Price
- Contact Information
- Picture(s)

Pictures are not necessary but will be added if provided. Please send photographs in JPEG (.jpg) format if possible.

Classified Ads for the Pseudomorph are due to the editor no later than the first Thursday of each month, via Email or by U.S. Mail.

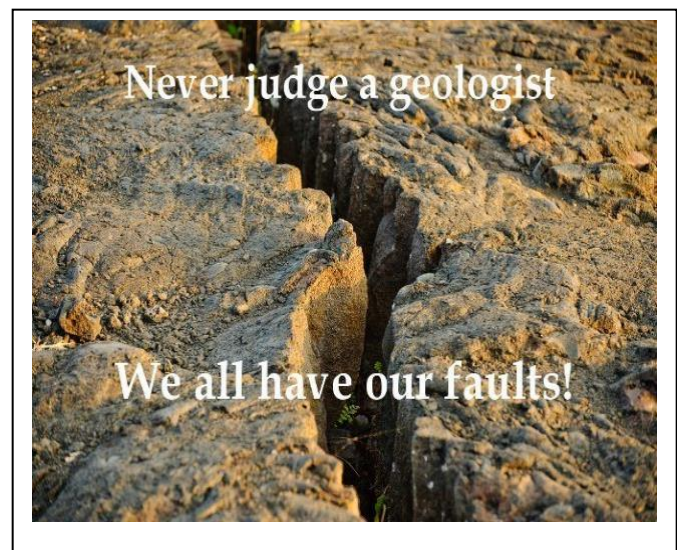
*James May, Editor*  
Email [geojim9@hotmail.com](mailto:geojim9@hotmail.com)

If you have any ads, you want added to the next Pseudomorph, please email me the details and I will post.

**Don't Forget the BREAKFAST CLUB**

The first Wednesday of each month, year-round, KCMS Members and occasional guests meet at 8:30 AM at Lorene's Coffee shop at 23<sup>rd</sup> and Eye streets in downtown Bakersfield. Everybody is welcome to attend!

*-- Dalia Hernandez*



Pictures from Field Trip on Saturday, May 20th

Jalama Beach









## KCMS Monthly Meeting

Please join the KCMS at 6:30 p.m. on Thursday, June 15th at the East Bakersfield Church of Christ located at 3500 Bernard Street in Northeast Bakersfield. We hope you can attend, and visitors are always welcome.



### Kern County Mineral Society

is a Charter Member of the  
**California Federation of Mineralogical Societies**  
and is affiliated with the  
**American Federation of Mineralogical Societies**



The Kern County Mineral Society, Inc. was organized in 1935 to promote the study of mineralogy and allied earth sciences, to collect and study minerals and rocks, to study and practice the techniques of jewelry making, to promote good fellowship and good citizenship and to promote education in the earth sciences. Membership dues are \$20 for singles, \$25 for couples.

KCMS WEBSITE: <http://www.kerncountymineralsociety.org/>

## Pseudomorph Subscriptions

*The Pseudomorph* is published 10 times a year (September through June) by Kern County Mineral Society, P.O. Box 12305, Bakersfield, CA, 93389-2305. Subscription included with Membership. Non-members \$5.50 per year, Jan. thru Dec., not prorated.

**KCMS will email a free .pdf subscription to any high school, college, or university student who wishes to receive it.** Just email a request to [geojim9@hotmail.com](mailto:geojim9@hotmail.com)

Articles for *The Pseudomorph* are due to the Editor no later than the first Thursday of each month, via Email, via Facebook, or by US Mail. Please send photographs in JPEG (.jpg) format if possible, and text as Notepad, Word, or other simple text for me to paste and edit.

James May, Editor  
Email [geojim9@hotmail.com](mailto:geojim9@hotmail.com)

Facebook: Kern County Mineral Society

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### KCMS Officers 2023

#### President

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#### Secretary

Anita Andersen

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Bernie Bentsen

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Sue Kimbriel

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#### Door Hostess

Kay Hevle

#### Facebook Editor

Anita Andersen

#### Curator

Steve Fleishauer



## FUN, GAMES, &amp; FIELD EXCURSIONS



## MARCH'S MONTH'S MYSTERY SLAB

Here is this month's mystery slab. Please submit your answer to [kerncountymineralsociety@gmail.com](mailto:kerncountymineralsociety@gmail.com) and [geojim9@hotmail.com](mailto:geojim9@hotmail.com). Each month's winner will be placed in a drawing at the end of the year for a special prize. Last month's winners were Carlos Monzon, Monica Hinson, and Maricruz Vasquez who correctly identified the mystery slab as unakite. Nice work Carlos, Monica, and Maricruz.



*Mystery Slab Hint:* A gemstone quality form of chalcedony. The mineral typically has an apple-green color due to impurities in the chalcedony by the element nickel. This mineral is often confused with jade but not by KCMS members.

**To make sure you are credited with the correct answer, please email the Kern County Mineral Society and James (see email addresses above). We would like to keep track of those who get the correct identity of the mystery slab each month.**

