

Bulletin of the Mineralogical Society of Southern California

Volume 98 Number 9 September , 2025

The 1,042nd meeting of the Mineralogical Society of Southern California

With Knowledge Comes Appreciation

A ZOOM Meeting
September 12, 2025, at 7:30 P.M.

Program: “Micro Hunting Across New Mexico” Presented by Scott Braley




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Remember: If you change your email or street address, you must let the MSSC Editor and Membership Chair know, or we cannot guarantee receipt of future Bulletins

Program: “Micro Hunting Across New Mexico” Presented by Scott Braley

New Mexico has a wide range of geological formations, and a rich mining history. Couple that with large amounts of public lands, and you have a micro collector’s dream. In this talk, we’ll visit a sampling of locations - old mines and natural formations, rhyolites and hydrothermal fluorite-barite deposits, sites where the only minerals of interest are micros, and sites where they are collected alongside large and beautiful specimens. The talk will illustrate (that is, show off) a variety of specimens found by the speaker in the last five years at sites both well-known and obscure

		
Levine-Ca - Rio Arriba Co. - NM FOV 3 mm ©Scott Braley	Cassiterite, Quartz - Paramount Canyon - FOV 0.5 mm ©Scott Braley	Willemite, Hemimorphite - Bullfrog #2 - FOV 4 mm ©Scott Braley

Scott has been collecting minerals since childhood, with an emphasis in the last 20 years on micros and photography. After retiring from the Air Force, he got his Ph.D. and now teaches at a small college in New Mexico.

How to Join our ZOOM Meetings

MSSC members are automatically included in the invite list each month.

For non MSSC Members who want to attend this meeting. You must respond to our Programs chair, Carolyn Seitz speakers@mineralsocal.org, no later than the Thursday prior to the next scheduled meeting. Please include “*current month ZOOM Meeting*” in the subject line of your response. This response date will allow time for us to send you the information needed to participate in the ZOOM meeting.

From the Editor: Linda Elsnau.

As usual, we have an excellent program scheduled for this month...don’t miss it!

It’s that time of year again. MSSC Elections are coming up fast. If we are unable to fill the upcoming vacancies in the MSSC Board, President and Treasurer, the Society will have no choice but to close or if possible, merge with another group. If you have enjoyed the benefits of your membership in MSSC, consider how you can help keep this excellent group active. THIS IS YOUR SOCIETY. What can you do to participate in its management?

From Our President : Angie Guzman

MSSC’s 2025 Summer Event – PICNIC and SILENT AUCTION

The Mineralogical Society of Southern California held their annual Picnic and Silent Auction (SA) on August 23, 2025. The turnout was good, all things considered especially the weather, which reached 100° at the time we wrapped up.



There were fewer SA items this year, but I think we did all right. Rudy has a full report later in the Bulletin. He'll tell you about unintended guests: Tournament Park kids who checked out the SA tables and some of the parents who are interested in becoming members! He'll have some photos of the event, too!

Thanks to Rudy and Carolyn for the great set-up and a host of others for their great teamwork and coordination for the tear-down: Renee, Marek, Bob Mary, David, Dale, Hal, Bert, Leslie with her crew and, all the other folks. Honorable Mention goes to young Mackenzie. She watched her bid sheets like a hawk and made out like a bandit! Congrats Mackenzie, WELL DONE!

The food was exceptional: pulled pork, slaw, potato and pasta salad, mac n' cheese, fruit, fruit, fruit, fruit, fruit, rolls, (5) bean salad, cucumber salad, chips, cakes, brownies, Mrs. Conklin's gluten-free goodies and more! Whew!! The company could not have been better: great to see Annie, Danielle, Tai, Pat and Jeff...everyone, really. In spite of the heat, my gratitude to all who attended.

If you missed this one – in spite of the heat, you missed a good one! Thanks everyone.



FIRE VICTIMS FUND

THE MINERALOGICAL SOCIETY OF SOUTHERN CALIFORNIA (MSSC) THANKS YOU FOR YOUR KINDNESS, CONSIDERATION AND GENEROSITY.

THERE'S STILL TIME TO DONATE TO MSSC'S FIRE VICTIM FUND!! Our donation window will close Tuesday, September 30, 2025, at midnight. We accept your tax-deductible donation **checks, money orders or gift cards**. Please visit MSSC's website, www.mineralsocal.org, for full details. ***Your help is appreciated by the fire victims. Thank You!***



MSSC ELECTIONS FAST APPROACHING

Nominations for Officer and Director seats will open at the October and November 2025 Membership Meetings. According to our By-Laws, the Mineralogical Society of Southern California will hold the annual election of Officers and Directors during the November 2025 Membership meeting. Your society needs you! Will you volunteer?



CFMS SHOWS - FOR YOUR INFORMATION

THESE SHOWS are better than Broadway! MSSC Members are invited to show support to other SoCal societies and clubs by visiting their upcoming Gem and Mineral Shows:

September 20-21, 2025,

Pasadena Lapidary Society

Arcadia Masonic Center

50 W Duarte Rd.,

Arcadia, CA

Hours: Sat 10-5, Sun 10-4

Website: pasadenalapidary.org

September 27-28, 2025

San Luis Obispo Gem & Mineral

SLO Veteran's Memorial

802 Grand Ave.,

SLO

Hours: Sat-Sun 10-5

Website: slogem.org/gems-by-the-sea/

Other SoCal shows slated for October 2025 include Lake Elsinore, Signal Hill, Orange, West Hills, Anaheim and then on November 1-2, the San Diego Gem & Mineral Society's show.

And, for MSSC members and friends in Central and Northern California and Nevada, here are a couple of shows coming your way:

September 13-14, 2025,

Reno Gem and Mineral Society
Silver St Pavillion – Grand Sierra
2500 E Second St.,
Reno, NV
Hours: Sat 9-5, Sun 9-4

September 20-21, 2025

Carmel Valley Gem and Mineral Society
Monterey Fairgrounds
2004 Monterey Rd.
Monterey, CA
Hours: Sat-Sun 10-5

Other shows in those areas include Chico, Anderson, Grass Valley, Redwood City and Santa Rosa, Sacramento and, in November, Ridgecrest.

For full details, please click MSSC's website link to access *CFMS Show page* for full list of upcoming shows.

- - - **A N D** - - -

CFMS Field Trip: Topaz Mountain (Utah)

OPEN TO ALL CFMS MEMBER SOCIETIES INCLUDING MSSC!

California Federation of Mineralogical Societies (CFMS) is hosting a Field Trip to **TOPAZ MOUNTAIN** (Utah) **September 25th through September 28th, 2025**. "You may show up and leave at any time during these 4 days..." The trip will be to Topaz Mountain and Dugway Geode Beds, north of Delta, Utah. This is a public collecting area, and anybody may camp and collect at the area concurrent with the event. *However, if you choose to make the escorted trip to red beryl site and convoy with the CFMS group to Dugway Geode Beds, you must sign up.* Full details are the September 2025 CFMS Newsletter that you can find on MSSC's website: www.mineralsocal.org

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SEPTEMBER DAZE

♪ **HAPPY BIRTHDAY** ♪ **TO ALL SEPTEMBER BABIES!**

Other notable days in September 2025:

9/01/25: **Labor Day**, National Holiday

9/22/25: **Autumnal Equinox**, the first day of Fall

◆ ◆ ◆

JOKE

I thought about telling a joke about minerals...

- But, you see, it didn't seem to have much ore appeal;
- I figured there wasn't enough apatite for it;
- Thought it'd be taken for granite;
- Thought it might fall flat as a rock;
- But, turns out it might just be a gem!

◆ ◆ ◆

OXIDES

What's all the excitement about oxides? Well, oxides are elements that are combined with oxygen. Examples of elements that mix with oxygen include iron to form hematite or magnetite, depending on the environment, tin with oxygen forms cassiterite and chromium with oxygen forms chromite. These (iron, tin and chromium), of course, are important ores of metals.

Other ore, for instance, aluminum plus the oxygen form corundum (sapphires, rubies) that have gemstone varieties. And, combinations, such as magnesium and aluminum mix with oxygen form spinel¹.

Here are some other examples:

OXIDE	FORMULA	MINERALS
Zincite	(Zn,Mn ⁺²)O	Zinc, Manganese, Oxygen
Cuprite	Cu ₂ O	Copper, Oxygen
Perovskite	CaTiO ₃	Calcium, Titanium, Oxygen
Uraninite	UO ₂	Uranium, Oxygen
Quartz and Chalcedony	SiO ₂	Silicon, Oxygen

For our purposes here, we'll look at the silicon dioxide, SiO₂, oxides. Starting with quartz, it is a most common mineral that forms hexagonal prisms terminated by pyramidal or rhombohedra shapes. It's a hard mineral measuring 7 on the Mohs Hardness Scale. When you inspect the face of quartz you will often see markings called striations; quartz crystals are twinned or distorted. Then there are the colors, oh my! Quartz has many colors in which it may be found white, gray, red, purple, pink, yellow, green, brown and black – and colorless. And we can't forget a wide variety of semi-precious gemstone quartz: rose quartz, smoky quartz, amethyst (pyramidal), citrine, milky quartz (prismatic) and so on. Quartz can be transparent to translucent, and it has a vitreous luster on fresh surfaces.

Quartz can be found in mineral veins with metal ores (i.e., silver, gold, copper). It commonly occurs in igneous, metamorphic and sedimentary rock environments. This is a bonus and means there is an abundance of quartz. Well-formed quartz crystals form as a *druse* (a layer of crystals lining a void). Here's the visual for Druze: the inside of a quartz geode.

Now, there's more. Another SiO₂ out there is of the mineral group called chalcedony. It has the same silicon dioxide chemical formula as quartz. But there *are* differences. According Wikipedia², chalcedony has additional stone fibers called *moganite*³. Varieties of chalcedony include jasper, onyx, carnelian, chrysoprase and agate. These minerals occur as mammillary or botryoidal; colors include white, blue, red, green, brown or black, many of the same as colors as quartz. These may be opaque (jasper), have concentric banding (agate), have dark green dendritic patterns (moss agate) or parallel banding (onyx), for example. The chalcedony called carnelian is red to reddish brown. Chalcedony is translucent or opaque and has a vitreous to waxy luster¹.

While this may be the end of the article, it is not the end of the story. There are other oxides and then there are the hydroxides such as brucite, goethite, limonite, magnetite and many others. But that's another article.

Speaking of which, would you like to write an article for the Bulletin? I'm sure our members would love a fresh take. Some topics (or create your own): My favorite collection site. How I became interested in minerals. My ugliest specimen and why I brought it home. How to be safe in a mine. This is my collection. Why I like MSSC and what my vision is for the society. How to cook gold. Send me an e-mail so we can discuss it further. Thanks! Angie.

*Moganite is yet another SiO₂, discovered 1976, rejected by IMA in 1994, reinstated by IMA 1999. It has the same chemical composition as quartz and chalcedony but a different crystal structure. Infrared spectroscopy (IR) differences between moganite and α -quartz occur in wavenumber regions below 650 cm⁻¹. There is also Synchrotron X-ray powder diffraction data that will also not be introduced in this article/aag.

References: ¹Smithsonian Handbooks: Rocks and Minerals (C. Pellant), ²Wikipedia, ³Yesdirt.com.

E N D

MSSC Membership ZOOM Meeting Minutes, Friday, August 8, 2025

Welcome

President Guzman welcomed 27 members and guests to the Mineralogical Society of Southern California's 1,041st membership meeting (it is MSSC's 63rd Zoom conferencing meeting). Ken Roger's, a frequent guest and previous speaker, introduced himself: another guest was Shea (no other name or information given).

Business:

Membership meeting minutes of July 11, 2025, as published in the August 2025 Bulletin: Angie asked for a motion for the stated minutes. The motion was made by Ahni D. and seconded by Rudy L. She asked for any additions, corrections or discussion; hearing none she called for the vote to approve the motion. The motion to approve the stated minutes carried on a voice vote.

Approved Mineral Species Update

According to the International Mineralogical Association (IMA) there are 6,161 approved mineral species published on the New IMA List of Minerals as of July 2025. (IMA/CNMNC List is currently published every other month.)

IMPORTANT NOTICE from President Guzman

The Mineralogical Society of Southern California, MSSC, is the oldest mineralogical society in the western United States. It was established in 1931 by people who were interested in the study and dissemination of general knowledge of mineralogical and related earth sciences through field study, public outreach and related programs.

MSSC's ANNUAL OFFICER ELECTIONS are fast approaching. As you know, this term, two (2) essential Officer positions will be vacated: President and Treasurer. According to our By-Laws [and the Articles of Incorporation for Non-Profit Status], for MSSC to continue to function as a non-profit society, those volunteer positions **MUST** be in place for the next calendar year. If we are unable to fill these seats, MSSC will NO LONGER EXIST past December 31, 2025. *Thus far, no one has expressed an interest in accepting either seat.*

NOMINATIONS will be accepted at the October 10th and November 14th, 2025, membership meetings. MSSC's ELECTION will take place immediately after nominations are closed at the November 14th, 2025, membership meeting.

Program

Angie turned the meeting over to our Speaker's Chair, Carolyn S., who introduced the speaker, John Rakovan who presented Sakura Ishi (Cherry blossom stones) from Kyoto, Japan: Mica pseudomorphs of complex cordierite – indialite intergrowths."

Introduction

Cherry blossoms have been revered for more than a millennium in Japan and have become one of its most recognized icons. In the city of Kameoka, Kyoto Prefecture, one can find mica pseudomorphs after complex cordierite-indialite intergrowths. These remarkable pseudomorphs resemble cherry blossoms and are known locally as sakura ishi, which means cherry blossom stone in Japanese. As with the real cherry blossoms, sakura ishi are also revered by mineralogists and mineral collectors in Japan.

Dr. John Rakovan is the state mineralogist and senior museum curator of the New Mexico Mineral Museum at the New Mexico Bureau of Geology and Mineral Resources. He has been an executive editor of and regular contributor to Rocks & Minerals magazine since 2001 and was a professor of mineralogy at Miami University for 25 years. John has broad research interests including crystal growth, structural and morphologic crystallography, and mineral deposit formation.

Dr. Rakovan began his talk with a little background. In 2005 he taught at Kyoto University for a year. His research project did not pan out. He had bought a sakura ishi on an earlier trip, from a mineral dealer in Gion, Kyoto. When he asked the mineralogy faculty at Kyoto university, the stones were known, but no one knew what they were made of and how they formed and thus his research project began.

Description and location:

The "flower" part of the stone is a mica pseudomorph. Most samples are small, 1 cm long and 4-6 mm cross section. The formation involves contact metamorphism, epitaxy, metastable crystal growth, polymorphic phase transitions, and three types of pseudomorphism.

He started with a description of the crystals: they are hexagonal and when broken in half you get the flower patterns. Most are yellow, but they can be pink when hematite is involved. They are found only in Japan, a country that has cherry blossom viewing parties, called Hanami.

The first mountain where Sakura ishi occurs is Hiedano-cho, near the city of Kameoka. Another region for Sakura ishi is Dimonji yama, east of Kyoto. They occur in shale (mudstone and chert) with granite intrusions at the contact between the rock groups. A magma that intrudes into a shale forms a hornfels. The mudstone is essentially “cooked” by contact with the granitic magma forming a ceramic. Where minerals intruded into this zone, cordierite and sillimanite formed.

John showed the collecting site; the hexagonal crystals protruding from the hornfels matrix. When the crystals are broken in half the cherry blossom pattern appears. The hornfels have been hydrothermally (hot water) altered and are now very soft: the cordierite replaced by mica forms the cherry blossom stones.

The research:

He shared some information about cordierite. First, the crystals are pseudo-hexagonal. He reviewed a diagram of the internal structure of a hexagonal crystal. Then he showed a photo of 30-40 sakura ishi. The “flower” petals show clay hornfels inclusions between the petals. This is not consistent with single crystal growth. From the side the crystals meet at a “trough” instead of an edge. He took some of the complete crystals and was able to separate them along “sector boundaries,” crystals don’t do this!

They went to the other mountain near Kyoto, Dimonji yama. There the cordierite hornfels is unaltered. They studied thin sections of this material to understand how the sakura ishi formed. John explained how a polarized light microscope works. The images were cross polarized. A single crystal viewed through cross polarized light will appear light and everything else appears black. As the crystal is rotated under the polarized light it will appear totally black at certain points in the rotation, this is called homogeneous extinction.

Next, he showed a cross polarized view of a cordierite crystal (cut from pole to pole) from Dimonji yama. It does not appear to be a single crystal; there was no homogeneous extinction. A view of a thin section from a cordierite crystal cut across the middle shows the six sectors of the “crystal” and they are not equally illuminated, thus it is not a single crystal. The next thin section was a cordierite cut across closer to a termination, you can see the crystal pinacoid. The crystal sectors have the same unequal illumination, the pinacoid shows a pattern that looks somewhat like a “lion’s pelt.” This behavior implies that the cordierite used to be something else: it has undergone a polymorphic phase change. Examples of other minerals that do this are: orthoclase to microcline and leucite isometric to tetragonal. For cordierite (orthorhombic) it has transformed from indialite (hexagonal). It is called a displacive and order-disorder polymorphic transition.

Interpretation:

Formational history of sakura ishi. Based on the observations of altered and unaltered specimens. The magma intruded into a shale to form a hornfels. In that hornfels grew the high temperature polymorph indialite (hexagonal prisms). As the mass cooled the temperature moved from the stability field of indialite to that of cordierite. So, cordierite starts to grow on top of the indialite in an ordered fashion, this is epitaxy. On the pinacoid the crystal continues to grow as indialite, this is epitaxy forcing a metastable phase to form (John likened it to growing diamonds on the surface of the Earth). Metastable crystal growth is called pseudomorphism in materials science.

The crystal from the outside looks like a single crystal, it is actually the complex intergrowth of 6 cordierite crystals around a central hourglass-shaped indialite. This is why sakura ishi can separate into 7 separate parts or crystals along grain boundaries. The grain boundary inclusions of the hornfels form the gray highlight around the flowers.

The second pseudomorphism is the central indialite turning into cordierite AKA pseudomorphic (paramorphic) replacement of indialite by cordierite (another example is graphite to diamond).

The final pseudomorph is in Kameoka where cordierite is replaced by muscovite mica (var. sericite). The center of the flower was an indialite transformed into cordierite and was pseudomorphed by mica. The six petals were six individual cordierites that grew epitaxially on the indialite core.

A few more thoughts: The Sakura ishi look like a “Trapiche” emerald, are they the same? No, if you look at a thin section of the emerald in cross polarized light all areas extinct the same. This means the emerald is a single crystal. He also mentioned some work by a student of the mineralogist David London. The student was

supposed to synthesize beryl hydrothermally in the lab. He was unsuccessful, but the electron micrographs of what the student did synthesize showed it was indialite surrounded by cordierite; the student had synthesized Sakura ishi!

A Q & A session followed.

Angie thanked John Rakovan for his presentation and all who attended.

Sec. Notes: this information and more can be found in Rocks & Minerals, 81(4): 284-292 (2006)

I found a few links that show the stones <https://shinpaideshou.com/2015/09/18/fun-link-friday-cherry-blossom-stones-sakura-ishi/> and <https://www.mindat.org/sitegallery.php?loc=7788>

MSSC's Fire Victims Fund is solely for the benefit of those who lost their homes during the Eaton Fire in January 2025. MSSC continues to accept your generous donations of checks, money orders and/or gift cards. If you haven't donated, there is still time! MSSC is accepting your donations to the Fire Victims Fund through September 2025. Please help if you can. Thank you.

Announcements

Field Trips (Marek): A half day trip to Minerals Unlimited in Ridgecrest and a trip to the NHM for a new exhibit by Rob Levinsky. We may get a VIP tour. A field trip to the Round Valley Mine and another to the Red Cloud Mine. He will send an email summary.

August Picnic & Silent Auction (Rudy L.) Rudy asked for the count, it was about 8-9. It will be shady so we might not need all the canopies. Angie reminded all of the date, she also asked for silent auction donations and raffle items. David volunteered to help Rudy with clean up.

Last Words:

Don't forget to sign-up for our annual summer event, MSSC's Picnic and Silent Auction Noon – 4:00 pm on Saturday, August 23, 2025, at Tournament Park on the CalTech Campus. We're still looking for volunteers to help set up (8 am) and tear down after the event. Let Rudy know NOW if you will help!

The next Membership meeting will be at 7:30 pm on Friday, September 12, 2025, via ZOOM. If there is someone you know who would like to attend, please notify Carolyn at treasurer@mineralsocal.org

Thank you all for attending tonight's meeting. Your membership and attendance are greatly appreciated. See you at the Picnic!

Respectfully submitted, Leslie Ogg, MSSC Secretary

List of Upcoming MSSC Events : Mark your Calender!

Event	Date	Comments / Scheduled Program (if known)
Meeting Dates::	Zoom November 14, 2025	Les Presmyk - title to be determined
	Zoom December 14, 2025	Charles Rogers - Crater Rock Museum, Oregon/Roxy Ann Gem & Mineral Society, Inc
Board Meeting	ZOOM September 28th, 2025	ZOOM at 1:00 PM
Board Meeting	ZOOM December 7th, 2025	ZOOM at 1:00 PM
Field Trip	In The Works	TBA.

Note: Dates and programs shown above are subject to change. Check your bulletins to confirm final information each month.

The Ride Share Listing is being temporarily discontinued until such time as MSSC starts holding in-person meetings again.

Mineralogical Society of Southern California (MSSC)

Board of Directors Approved Apr 6, 2025

FIRE VICTIMS FUND

For the benefit of MSSC members and associates who lost their homes during the January 2025 firestorms that ravaged Southern California.

- 100% of your *tax-deductible* donations will be shared equally with the fire victims:

Laura Davis
Alexandria Dorozhkinsa

Keith Harshbarger
Ann Meister

Alyssa Morgan

- Send checks, Money Orders or Gift Cards to:

MSSC
13781 Alderwood Ln, #22-J
Seal Beach, CA 90740

Make checks or Money Orders **payable to: MSSC.**

In the Memo section please write “Fire Victims Fund.”

- The deadline to donate is September 30, 2025.

DONATE NOW September is the last month for donations

MSSC 2025 ANNUAL PICNIC A DAY AT THE PARK BY: RUDY LOPEZ



MSSC's Annual Picnic at Tournament Park on the campus of CALTECH was held on Saturday, August 23rd. It was a hot and humid day, with a few drops of rain. But we had a great turn out, with great food, great minerals for sale and of course great stories passed around by our members and guest.

We were located at our usual spot, the BBQ Area.

With Knowledge Comes Appreciation



Early morning setup



Lunch Time



Treat time



Sorry I was too late to take a picture of my Pulled Pork. All gone, I guess everyone enjoyed it. There were two trays, and everyone had some to take home.





We had Pulled Pork, Chicken, two Vegan Dishes, Potato Salad, Macaroni Salad to eat and Coleslaw to make Pulled Pork Sliders.



Silent Auction tables

The park was very busy with 4 or 5 Kids birthday parties. Kids were running all over the place and stopped when they saw our Silent Auction minerals as we were setting up. One of the fathers was watching a bunch of kids and stopped to ask questions about what we were doing. He asked if they could buy some minerals. He had four kids, and they picked four minerals. The word got out to the other kids, and we had a crowd. We sold around 15 minerals, and the parents were very thankful that we made their kids happy. Isn't that MSSC's goal- to get the younger generation interested in Minerals? We might have a couple of new members, I saw some parents talking to Carolyn about membership.





We had a great day at the picnic, meeting old and new friends. I want to thank Carolyn and Angie for the early morning setup help. I also want to thank Dave and all the other members for helping take everything down and load into my truck.

Hopefully, we can do this again next year.

THANKS TO EVERY ONE THAT ATTENDED TO MAKE THE PICNIC A GREAT SUCCESS.

OTHER (FREE) THINGS TO DO...by Ann Meister

The **Watson Lecture Series at Caltech** is on hiatus until the Fall semester. Watson lectures will return in October! Find past Watson Lectures on [Caltech's YouTube channel](#).

The **Von Kármán Lecture** is on Thursday, **September ??** at 5:00 PM. Available live on YouTube at [NASA Jet Propulsion Laboratory - YouTube](#). Date, speaker, and topic were not available at time of publication. Check website for information and past lectures [Lecture Series \(nasa.gov\)](#). Previous lectures are available on YouTube.

The **UCLA Meteorite Gallery** is open to the public weekdays from 9 am to 4 pm and on Sundays from 1 to 4 pm when it is staffed with volunteer docents. Admission is always free. The monthly lectures seem to have been discontinued but the gallery is well worth exploring. Visit the website and check on events, videos, and other neat things including resources for teachers, Go to <https://meteorites.ucla.edu>

Calendar of Events:

Only S. CA shows are listed here. Other CFMS Club shows can be found at: <http://www.cfmsinc.org/>

September 20-21, 2025 – Pasadena, CA

Pasadena Lapidary Society

Arcadia Masonic Center, 50 W. Duarte Rd., Arcadia

Hours: Sat 10 AM – 5 PM, Sun 10 AM – 4 PM

Website: <https://pasadenalapidary.org/pls-2025-show/>

October 4, 2025 – Lake Elsinore, CA

Lake Elsinore Gem and Mineral Society

32097 Corydon Road, Lake Elsinore, CA 92530

5TH Annual Lake Elsinore Rock & Craft Show

Hours: 10 AM – 4 PM

October 11-12, 2025 – Signal Hill, CA

Long Beach Mineral and Gem Society

1800 E. Hill Street, Signal Hill, CA 90755

Hours: Sat 10 AM – 5 PM, Sun 10 AM – 4 PM

Website: <http://www.lbmineralgem.org>

October 12, 2025 – Fallbrook, CA

Fallbrook Gem and Mineral Society

123 W. Alvarado St., Fallbrook, CA

Hours: Sunday only 9 AM – 4 PM

Website: <http://www.fgms.org>

October 18-19, 2025 – Orange, CA

American Opal Society

Velvet Rose Event Center, 300 S. Flower St., Orange, CA 92868

Hours: Sat 10 AM – 6 PM, Sun 10 AM – 5 PM

55th Annual Opal Gem & Jewelry Show

Website: <http://www.opalsociety.org>

October 18, 2025 – West Hills, CA

Woodland Hills Rock Chippers

First United Methodist Church, 22700 Sherman Way, West Hills, CA 91307

28th Annual Gem Show. Free. Displays, dealers, crafts, raffle, games, silent auction and more.

Hours: 10 AM – 5 PM

October 18, 2025 – Anaheim, CA

Searchers Gem and Mineral Society

The Downtown Community Center, 250 E. Center Ave., Anaheim, CA

Hours 9 AM – 2 PM

Website: <http://www.searchersrocks.org>

November 1-2, 2025 – San Diego, CA

San Diego Mineral & Gem Society

Liberty Station Conference Center, 2600 Laning Road, San Diego, CA 92106 (in Point Loma)

Hours: Sat 10 AM – 6 PM, Sun 10 AM – 4 PM

Website: <https://www.sdmgs.org>

November 1-2, 2025 – Ridgecrest, CA

Indian Wells Gem and Mineral Society

Ridgecrest Desert Empire Fairgrounds

Hours: Saturday and Sunday 9 AM – 5 PM

FREE ADMISSION!

Sunday will be a field trip to the club's jasper claim!

Website: iwgms.org

MSSC Advertisement Policy:			
Mineral-related ads are allowable in the MSSC bulletin. Below is the price per month			
	Business Card	\$5.00	
	One-third page	\$10.00	
	One-half page	\$20.00	
	Full Page	\$35.00	
In addition, any advertiser who purchases 12 months of space in advance will receive a discount of 12 months for the price of 10 months. The copy for the ads should be mailed to the editor at bulletin@mineralsocal.org and the payment should be sent to the MSSC Treasurer 13781 Alderwood Lane, #22-J, Seal Beach, CA 90740			

2025 MSSC Officers:

OFFICERS		
President	Angie Guzman	president@mineralsocal.org
Vice President	Renee Kraus	vicepresident@mineralsocal.org
Secretary	Leslie Ogg	secretary@mineralsocal.org
Treasurer	Carolyn Seitz	treasurer@mineralsocal.org
CFMS Director	Angie Guzman	
Past President	George Rossman	
DIRECTORS		
2025--2026	Rudy Lopez	
2025--2026	David Lesperance	
2025--2026	Pat Stevens	
2024-2025	Pat Caplette	
2024-2025	Ahni Dodge	
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About the Mineralogical Society of Southern California

Organized in 1931, the Mineralogical Society of Southern California, Inc. is the oldest mineralogical society in the western United States. The MSSC is a member of the California Federation of Mineralogical Societies and is dedicated to the dissemination of general knowledge of the mineralogical and related earth sciences through the study of mineral specimens. We are a scientific non-profit organization that actively supports those endeavors through public outreach, field study and related programs. The Bulletin of the Mineralogical Society of Southern California is the official publication of the Mineralogical Society of Southern California, Inc.

The MSSC meetings are usually held the second Friday of each month, January, February, and August excepted, at 7:30 p.m. in Building E, Room 220, Pasadena City College, 1570 E Colorado Boulevard, Pasadena, California. However, due to current health considerations, MSSC meetings are conducted via ZOOM conferencing until further notice. The annual Installation Banquet occurs in January, and the annual Picnic and Swap Meeting are in August. Check the Society website for details.

The Society also sponsors the annual Pacific Micro mount Symposium held at the Fallbrook Mineral Museum during the last weekend of January.

Annual Membership dues for the MSSC are \$30.00 for an individual membership, \$40.00 for a family membership. Bulletins are sent by email; there is an additional annual fee if you prefer paper bulletins mailed to your address. The Society's contact information:

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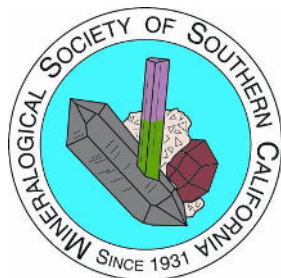
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