

Bulletin of the Mineralogical Society of Southern California

Volume 98 Number 10 October , 2025

The 1,043rd meeting of the Mineralogical Society of Southern California

With Knowledge Comes Appreciation

A ZOOM Meeting
October 10, 2025, at 7:30 P.M.

Program: “Storytelling to Preserve the Future ” Presented by Bryan Swoboda

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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: “Storytelling to Preserve the Future” Presented by Bryan Swoboda

BlueCap Productions is a full-service video production company focused on documenting the mineral-collecting world. As the son of mineral collecting pioneer Edward Swoboda, BlueCap Productions’ President, Bryan Swoboda, grew up surrounded by minerals and mines. From running around underground with candles at the Tourmaline Queen Mine in Pala, California (which is still owned by the Swoboda family) to riding ore carts up the incline at the Amelia Mine in Santa Rosalia, Mexico, minerals were always in Bryan’s life. But more than just the minerals, it was the stories that went with the minerals that always fascinated Bryan. Since 2007, BlueCap Productions has been traveling the world capturing some of the most important mineral stories today. From in-depth video show reports to full-length feature films on different mineral localities to recording the many presentations going on in the mineral world, BlueCap Productions is dedicated to preserving our mineral legacy for future generations.

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.

Wow, it looks like we have another excellent program for October. Good job, Carolyn!

MSSC is in a crisis this year, if no one steps up to fill the upcoming vacancies of President and Treasurer, we will cease to exist. If you think you might be interested, call Angie or Carolyn to see what the job actually takes. It may not be as hard as you think.

From Our President : Angie Guzman

It’s *already Autumn* of **2025**? Gosh! It is true. We’re in the *last quarter of the 21st century’s first quarter**! Think about that for a minute. Sheesh! What the heck happened and where did the time go? I don’t feel any older, do you?

*This marks the final 3 months of the first 25 years of this century. YIKES!!!



Fun Stuff

WHAT’S AHEAD IN OCTOBER 2025

MONTH of OCTOBER



Posted to [Flickr](#) by Koko Nut,
Source: Creative Commons

Breast Cancer Awareness Month

Oct 18th

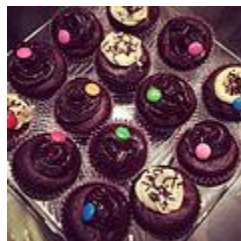
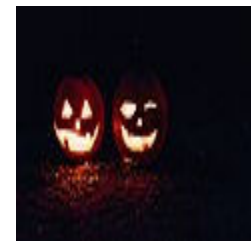


Photo Credit: [Perna Jaddwani](#)
Source: WikiCommons Images

Chocolate Cupcake Day

Oct 31st



Author: Beth Teutschmann
Wiki Commons Images: [public domain](#)

Halloween

Time marches on...

October is Breast Cancer Awareness month, National Vegetarian Day (1st), World Temperance Day (3rd) followed by, yep, National Vodka Day (4th). Then we have World Handwashing Day (15th) and after your hands are clean, we celebrate National Chocolate Cupcake Day (18th) and All Hallows Eve (31st). BOO!!! Do you still get trick-or-treaters at your door?

For you travelers, October also gives us the Albuquerque, NM, International Hot Balloon Fiesta (1st - 9th) and let's not forget the Oktoberfest celebrations in Southern California and elsewhere, plus various music festivals (check local listings) and much, much more. Check MSSC's BULLETIN and website, www.mineralsocal.org for the various gem and mineral shows throughout the month.

November Preview → Daylight Savings ends on November 2, 2025 – a blessing for about half of us and a curse for the rest.



One Liners:

Nominations for MSSC Officer and Director seats will open **10/10/25 Member Mtg.**

Thanks for donations made to the **MSSC Fire Victim Fund.**

Field Trip to Ridgecrest in daytime and scheelite at night on October 4th.

Something in the air yielded a low turnout at our last meeting, even so, it was awesome!

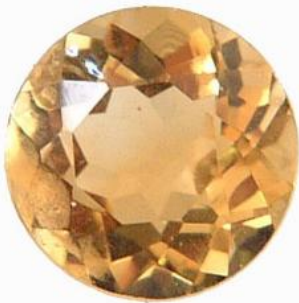
Great program at MSSC's October Membership Meeting, October 10th.



SiO₂

Oxides, a Brief Look Back, and...

As you may recall from last month's article, quartz, abundant in nature, is an oxide. Citrine is a variety of quartz, has the same chemical formula, SiO₂ and is a silicon dioxide, or simply, silica. This photo is of a beautifully cut and faceted citrine.



Citrine, SiO₂: Citrine, a variety of quartz, faceted gemstone

Darla Sondrol; Creative Commons Zero – Public Domain; Wikimedia Commons

Citrine, the yellow variety of quartz, is transparent. *Natural citrine* is pretty rare, requires higher temperatures to form¹ and shows as a pale yellow or as a smoky color; it may even show as yellow-orange to yellow-green. There is some debate about the presence of aluminum-based color center in natural citrine. What's true for natural citrine is that its color is typically evenly distributed. Synthetic crystals, grown in iron-rich solutions, have failed to reproduce the color or dichroism (optical properties) of natural

citrine³. Additionally, natural citrine's UV sensitivity causes its color to slowly pale². Natural citrine's color is not caused solely by trace elements.

Commercial citrine, on the other hand, is heat-treated amethyst that shows a deeper yellow, orange or even as a brown (the so-called "burnt amethyst"). This type reflects most of the citrine on the market. According to Mindat.com², amethyst loses its violet color

when it is heated above 200-300°C. When heated at around 440°C, the amethyst resembles something very close to natural citrine but is more brownish or reddish¹. These colors come from the trace amounts of iron oxides, specifically hematite and goethite, found in the original amethyst that was oxidized during heating. Heat-treated amethyst does not exhibit the dichroism of natural citrine.

As an aside, some interesting things of note are (1) certain amethyst with specific iron content can be heated to produce “Madeira Citrine”, a deep orange color that exhibits red flashes, and (2) clear quartz can be irradiated to produce “Lemon Quartz” which shows neon yellow to yellow-green color. Other clear quartz, known as limonite, has natural iron inclusions – but it is not citrine.

Some heat-treated amethysts exhibit color zoning or uneven color distribution throughout the crystal. And geodes and clusters exhibit their deepest color near the tips. Good to know, citrine never presents in geodes or clusters.

The leading producer of citrine is Brazil. Other areas include Bolivia, DR of Congo, Madagascar, Mexico, Myanmar, Namibia, Norway, Peru, Russia, So. Africa, USA and Zambia. In The Encyclopedia of Superstitions, citrine has been referred to as “merchant’s stone” or “money stone,” which refers to the superstition that it would bring prosperity.

Historically, citrine was used by; ancient Egyptians as talismans, ancient Greeks for carving symbols and Roman priests in rings. Queen Victoria was partial to the gemstone and many pendants and brooches featuring citrine have survived from that era. Centuries before modern mineralogy, citrine was frequently confused with topaz. In fact, the word, “topaz” was used for any golden yellow stone. The name, ‘Citrine,’ was first used in 14th century England. Popularity grew once it was discovered citrine could be artificially produced by heating amethyst or smoky quartz³.

Ref: ¹Rock Seeker.com; ²Mindat.com; ³Wikipedia



President’s Request: Our November 2025 “President’s Message” will feature **YOU**. Yes, that’s right, *you*. It’s easy as 1,2,3. C’m on, it’ll be fun! All **YOU** have to do is send (e-mail or text) me a short (or long) paragraph (s) about a specimen **you self-collected**. Tell me where you found it, what it is, something about the mineral itself, if you kept it and anything else you want to share about that specimen. See? Easy!

Please submit your story by November 20, 2025, so I can compile and send to our Editor, Linda, for the 22nd, deadline for the Bulletin. But, in order for me to receive your stories, you have to send them. Don’t wait ‘till the last minute. How about starting... now? Thank you, MSSC members, *everyone* wants to hear from **YOU**.



Until next time, thanks!

Angie Guzman

E N D

MSSC Membership ZOOM Meeting Minutes, Friday, September 12, 2025

Welcome

President Angela Guzman called the meeting to order at 7:33 pm. She welcomed 19 members & guests to the Mineralogical Society of Southern California’s 1,042nd membership meeting (our 64th Zoom conference meeting). She asked for any guests to please introduce themselves; none did.

Business:

Angie asked for a motion to approve the membership meeting minutes of August 8, 2025, as published in the September 2025 bulletin: A motion was made by Rudy L. and seconded by Marek C. She asked for any

additions, corrections or discussion; hearing none, she called for a voice vote to approve the motion. The motion to approve the stated minutes carried.

IMPORTANT NOTICES FROM THE CHAIR:

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 **through September 30, 2025.** Please help if you can.

MSSC's Annual Officer and Director Elections are fast approaching. As a reminder, **nominations** will be accepted at the October 10th and November 14th, 2025, Membership Meetings. MSSC's **ELECTION** will take place immediately after nominations have been closed at the November 14th, 2025, membership meeting. As a show of support for your society, all members are encouraged to participate at each of these meetings.

Program

President Guzman turned the meeting over to MSSC's Secretary, Leslie O., to introduce the speaker. Leslie introduced Scott Braley; here is the program information and biography from the web site.

Micro Hunting Across New Mexico

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.

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.

Scott began his talk by listing the six mineral localities he will cover in the talk. He lives in Santa Fe, NM. The collecting sites range from northern, to central, and southern New Mexico.

He started with the Hansonburg District (Socorro Co.), 50 miles east of Socorro. The area is mostly known for fluorite and copper secondaries (e.g., Linarite). Blanchard is the most well-known mine but depending on how you count there are dozens of mines and prospects. Royal Flush, Desert Rose, Mex-Tex are the other major localities in the district and another dozen less well-known claims. It is composed of silicified limestone with hydrothermal fluorite-barite veins, multiple generations of formation - 88 identified minerals. BLM has reclaimed and blocked off tunnels.

Most of the well-known localities are claimed, and only a small percentage of the overall land - many small sites, outcrops etc. are accessible. Some are on public land but **stay off** the White Sands Missile Range which is nearby!

He showed fluorite “desert roses,” complex crystal formations, some as big as 1.5”. Jarosite

$\text{KFe}^{3+}_3(\text{SO}_4)_2(\text{OH})_6$, mostly known here as coatings, but sometimes fine micro-crystals on hematite and hematite, quartz (Mex-Tex), with goethite, fraipontite (Sunshine #3 ½) and spangolite, cyanotrichite, fraipontite (Sunshine #3 ½). They also find brochantite in a pseudohexagonal form. Inside vugs in galena they find sulfur, anglesite and cerussite crystals.

Now on to the Red Cloud Copper Mine (Lincoln Co.) There are many minerals of interest at Red Cloud (35 at last count) but surely vanadinite is the most desirable. Scott showed a beautiful orange vanadinite on mottramite collected in 2024 (FOV 1.5 mm). Also recently identified, originally thought to be mottramite, the small sprays surrounding the central group have recently (2024) been identified as plattnerite, not previously known from the district.

Also, chrysocolla pseudomorphs possibly after malachite or smithsonite. Scott showed some tiny hemimorphite crystals (<1mm) that appear to have fractures, but the cracks don't follow any of the expected crystal planes - and they appear on multiple crystals! Agardite (La) is well-known from the Red Cloud. His agardite samples include tiny unknown crystals. This is on public land (USFS).

Paramount Canyon (Sierra Co.), a less well-known area, is in the Taylor Creek Tin District. It's an Oligocene rhyolite with occasional vapor-deposited mineralization. It has about 20 well known minerals; one of them is red beryl- very rare, only known from a handful of localities in UT and NM, his crystals are 2-3 mm. Also found here: gasparite (Ce) fine yellow crystals, cryptomelane, with hematite, bixbyite, complex crystals to 5-6 mm. Cassiterite (Sn) - deep red, often twinned or masses of fine needle-like crystals. In these photos, with hematite and quartz. On the next slide pseudobrookite with rutile, and then a few photos of cassiterite, hematite, and quartz. A patchwork of private and public land.

Now to northern New Mexico- Chili West (Rio Arriba Co.). A roadcut in the village of Chili, NM is modestly well known for zeolites formed in vugs in the Lobato basalt (8-9 mya). Large vugs occur in the basalt but are limited to weathered calcite crystals. The same basalt formation has several more exposures to the west of Chili. They explored other areas nearby. Other layers (both above and below this one include much smaller vugs with abundant well-formed zeolites).

The most interesting mineral being levyne, also with chabazite, harmotome/phillipsite as Marburg twins, thomsonite, clinoptilolite - all the Ca-dominant versions. It is on public land sandwiched between USFS and private land.

The Merritt Mine (Socorro Co.) was a silver mine; part of the Socorro Peak Mining District, it is NOT PUBLICLY ACCESSIBLE (seriously!). There is an explosives test range here. Most mines in this district were productive but short-lived silver mines. Minerals found here include: willemite, chlorargyrite (silver ore), aurichalcite, fluorite, hemimorphite, quartz, jarosite, hematite, mottramite (nice crystals) and one unknown. Note in photo slight preference for chlorargyrite to form on ends of willemite crystals. There are only micros at this site.

The North Magdalena District (Socorro Co.). Interesting district, near the famous Kelly Mine. Dozens of small mines/prospects

Commodities:

Silver (1880's), Copper (ca. 1920), Barite (1970's), Silver (late 1970's).

Other: Lead, Gold (no significant production)

Much interest, little actual production (total ore tonnages in single digits). The Sophia was the only mine in the district to produce silver ore (roughly 1 ton) but was quickly depleted it's now just a trash-filled pit. They found carbonate-rich fluorapatite with hematite and mimetite?

North Magdalena (Bullfrog), the Bullfrog #2 is a prospect in the North Magdalena District - a pair of shallow pits approximately 3m across by 1.5m deep. They date roughly to the late 1960's/early 1970's, though it is unknown which company explored them. The origin of the name is also unknown. This is a micro site too.

Scott showed photos of descloizite inclusions in quartz (FOV 3 mm), quartz scepter (FOV 3 mm), barite (FOV 3 mm). Also, fornacite, calcite (FOV 2 mm), vanadinite (FOV 2 mm), willemite and rosasite (FOV 3 mm), hemimorphite and quartz (FOV 4 mm), weird hematite (FOV 3 mm). Beautiful sprays of willemite and mimetite. Entirely public lands.

Lastly, Naciminto- the Naciminto is well-known for copper minerals (azurite, malachite) and unusual petrified wood - replaced by chalcocite and djurleite rather than quartz (there are cool micros here too but that's not for today). The less-known Eureka mine is about 2 miles east, in the same formation cemented pebbles and sand (conglomerates) with wood, with copper mineralization via copper sulfide-replaced wood. The Eureka is best known for libethenite (crystals and sprays), there are also other copper minerals azurite, malachite, pseudomalachite, chrysocolla, as well as minor gypsum.

A short Q & A session followed. Much of the focus was on Scott's microscopic photographs and his microscope/camera set up. President Guzman thanked Scott and all in attendance.

Approved Mineral Species Update

According to the International Mineralogical Association (IMA) there are 6,161 approved mineral species as published on the latest IMA List of Minerals as of July 2025. (IMA/CNMNC List is currently published *every other* month, however, the September 2025 list is not yet published.) **Please note:** The RRUFF.net site lists 6,176 minerals.

Announcements

Marek - Field Trips update: 10/4 to Minerals Unlimited in Ridgecrest and then on to collect tungsten/scheelite using UV light at the Round Valley mine. [See website for more details.](#)

Rudy – MSSC Picnic: he thanked all for helping him set up and tear down at the picnic. He is ready to set up dates for next year's picnic and banquet.

Angie – The next **MSSC Board Meeting** will be held on **Sunday, September 28th at 1:00 p.m. via Zoom.**

Guests are welcome; if you would like to attend, please contact our Treasurer, Carolyn, treasurer@mineralsocal.org to get added to the ZOOM invite list.

Last Words:

- **California Federation of Mineralogical Societies (CFMS) is hosting a field trip to Topaz Mountain in Utah** September 25-28, 2025. Please see MSSC's website or our September **BULLETIN** for full details www.mineralsocal.org.

- Our next membership meeting will be at 7:30 pm on Friday, October 10, 2025, via Zoom. If there is someone you know who would like to attend, please notify Carolyn treasurer@mineralsocal.org.

- Pasadena Lapidary Society is having their 65th Annual show September 20-21 in Arcadia.

- Rudy asked David L. about the fire near the Jurupa Mountains Discovery center, David said some outbuildings were damaged, and the gardens may have burned. The museum was untouched.

Angie thanked all for attending tonight's meeting. She said, "your membership and attendance are greatly appreciated. See you next time!"

Adjournment: President Guzman adjourned the meeting at 9:00 p.m.

Minutes respectfully submitted by Leslie O., 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 December 7th, 2025	ZOOM at 1:00 PM
Field Trip	Saturday, October 4, 2025	Round Valley Mine, Bishop., CA See below for details

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.

Thoughts from Elizabeth Moller on Stepping Up:

Message to the Members of MSSC from our oldest member, Elizabeth Moller

I would like everyone who reads this Bulletin and everyone who is a member of MSSC to remember some important things.

My husband, Bill, and I were long-time members and longtime volunteers for MSSC. I am now 102 years old and while I am long-past being able to go on field trips, I still remember all of those experiences and the fun

and camaraderie that grew from not only participating in those field trips, but by being engaged in all of the activities MSSC had to offer.

It wasn't just the field trips that brought us to MSSC and that led us to being involved, as Bulletin editors, field trip leaders, helping with the MSSC shows, doing our version of "What's New in Tucson" at every February meeting and attending meetings every month that we could.

All of these experiences and the friendships that grew out of them were priceless to us, and they still are.

The reason I wanted to share all this information is because I keep reading in the Bulletin that no one wants to step up and get involved as an Officer of the club. I want to ask each of you who may not yet have been willing to get involved to reconsider. It will be a worthwhile and rewarding thing to do. Share with the club, share your ideas and some of your time for what may become long-lasting, happy memories as you look back on your life as I do every month when I read the Bulletin and remember those experiences.

I would also like to send good wishes to everyone at MSSC that I know, and for many of you, it's been many years of friendship for us, and I think of you often. For those I don't know, please consider helping MSSC continue to be a place to share experiences, and for those still able to get out and get dirty and dusty spending hours finding things no one has seen before.

Thank you for listening and thank you for considering my request. You won't regret getting involved. At 102, I still cherish every experience, every opportunity and friend we made.

Sincerely, Elizabeth Moller

Field Trip: Round Valley Mine, Bishop, CA Sat, Oct 4, 2025, by: Marek Chorazewicz

Hi, mineral friends!

After a very long hiatus, we are starting the 2025 fall season with a bang. On Saturday, Oct 4th, we will visit the Minerals Unlimited rock and mineral shop in Ridgecrest in the morning, then reconvene at the Round Valley mine in the late afternoon to collect **scheelite** after sunset and in the evening. Please confirm whether you're planning to join. If there is rain, the night trip will need to be rescheduled, but I'll still do the morning trip to Ridgecrest anyway.

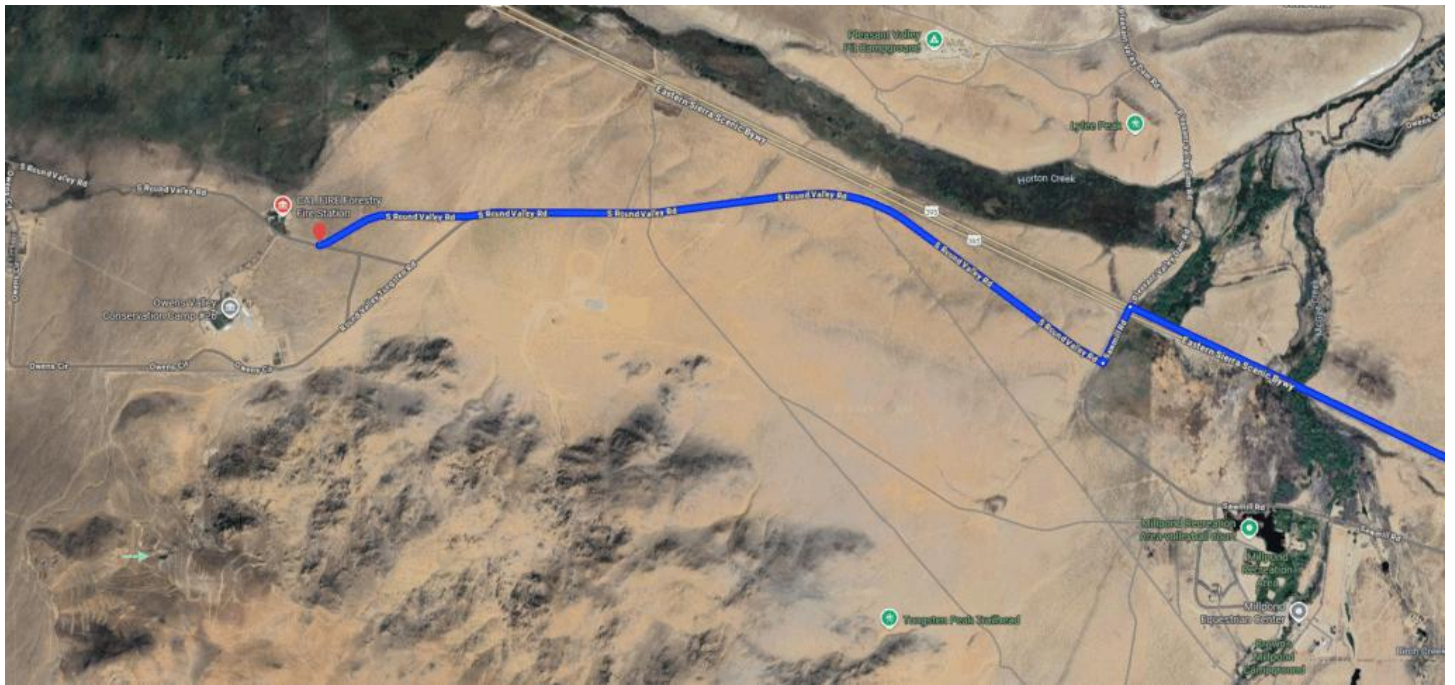
We will gather at 10:30 AM at the first location in Ridgecrest, 156 miles north of Pasadena, a 2+ hour drive. The address is Minerals Unlimited, 127 N Downs St, Ridgecrest. The GPS location is: 35.6235, -117.6884. It is on a city street, easily accessible by low-clearance cars, near a Salvation Army distribution center. The shop is open at 10 AM, so if you arrive early, you can start browsing before others. Here is the link to Google Maps: <https://maps.app.goo.gl/D6BvJvZEMs9L5HrP7>

The shop houses an excellent collection of various minerals and rocks for sale. You will see way too many rare minerals and rare or even extinct localities, including rare crystals from Searles Lake. Wendi (aka Ace) Elkins is the daughter of the famous Californian collectors and dealers, Ralph and Mimi Merrill. She will entertain us with some great stories about her parents and rocks & minerals. The collection might get sold next year, so it could also be a great opportunity to find something special at a price level not really seen anymore.

Around 1 PM to 1:30 PM, we will need to start heading out for the next segment of the trip towards Bishop. The next meeting place is 146 miles away, also a 2+ hour drive. Leave ample time to fill up and eat something on the way.

Here is the Google Map link: <https://maps.app.goo.gl/jybPm4DZ7XVkrVVg8>

At 5:00 PM, we will meet on the side of S Round Valley Road, about 10 miles past Bishop. Turn SW on Sawmill Rd exit off US-395 and then right (NW) at the first intersection, then continue on S Round Valley Road for 2.6 miles to a dirt road turnoff at this GPS location: 37.3924, -118.5464. Here is the map screenshot for the last segment. The mine is marked by the green arrow in case somebody gets there late:



The view from the mine at the dirt road:



The **scheelite** at the mine is quite abundant. Hard to distinguish in the sunlight, so the best UV collecting is after the sun sets, 6:30 PM on that day. Bring your portable short-wave UV flashlights for the hunt. The red

flashlight is great for walking around in the dark and not blinding everybody else in the process. I'll have one extra at the back of my car for people who don't have the SW UV. The best material is mostly on the steep slopes, which will require good mobility. However, a lot of the fluorescent material can be found just lying on the ground in the area.

Nice brown **garnet** can be found in the vugs after etching out the **calcite**. The green crystals are mostly **epidote**, but it can also be seen in pale yellow and pale brown. Some rocks are covered with layers of waxy green to gemmy blue **chrysocolla** gel. Sometimes the cracks in the rock hide some **malachite** needles. There are also some bismuth minerals, like yellow to pink **bismutite** that can be enjoyed without magnification. Very nice, but tiny **bismuthinite** needles can be found in **quartz**. Sparkly white micro balls of **eulytine**, a bismuth silicate, were found in veins of **chalcedony**. The most surprising of them all is an exceptionally rare **dreyerite**, a bismuth vanadate, found only in Australia and Germany until now. The rarities have been identified using the Raman spectroscopy at the Caltech Mineralogy lab, thanks to the hospitality of our members, Prof. George Rossman and Prof. Bob Housley.

The space on the top pad is limited to about 6-7 cars, so people spending the night will get priority there, but there are many more spaces on the turns and pads below as well. Please let me know if you are planning to camp out.

Hope to see you all there,
Marek Chorazewicz

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

The **Watson Lecture** is on Wednesday, **October 22** at 7:30 PM at Caltech's Beckman Auditorium. The speaker is **Nick Hutzler**, Assistant Professor of Physics, Caltech. The title is "**Molecules, Mysteries, and the Matter of Existence.**" Everything that we understand about the material universe is built from matter—particles that make up everything from atoms to galaxies. However, we do not know where this matter came from. The big bang *should* have created equal amounts of matter and antimatter, but we do not find antimatter anywhere apart from laboratories designed to create and study it. While the details of the process that generated the known universe remain a mystery, it should leave tiny, residual signatures on regular matter that we can study in the laboratory. Nick Hutzler will discuss how molecules can be used to search for these signatures by combining ideas from nuclear physics, quantum science, and physical chemistry. **REGISTER** to ensure a seat: [Watson Lecture - Nick Hutzler: Molecules, Mysteries, and the Matter of Existence - Public Events](#). Enjoy pre-lecture activities and music including food, drinks, and books available for purchase starting at 6 PM. Find past lectures on [Caltech Watson Lecture Series - YouTube](#)

The **Von Kármán Lecture** is on Thursday, **October 10** 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>

With Knowledge Comes Appreciation !

Calendar of Events:

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

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: Saty 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 Chipper s28th Annual Gem Show.
First United Methodist Church, 22700 Sherman Way, West Hills, C 91307
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: Saty 10 AM – 6 PM, Sun 10 AM – 4 PM
Website: <https://www.sdmg.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

No shows listed for December, 2025

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
<p>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</p> <p>MSSC Treasurer 13781 Alderwood Lane, #22-J, Seal Beach, CA 90740</p>		

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	
COMMITTEE CHAIRS		
Bulletin Editor	Linda Elsnau	bulletin@mineralsocal.org
Field Trip	Marek Chorazewicz	
Historian	Ann Meister	
Hospitality	Laura Davis	
Membership	Linda Elsnau	membership@mineralsocal.org
Micro Mount Conf. Chair	Al Wilkins	
Program and Education	Rudy Lopez	programs@mineralsocal.org
Speaker Bureau	Carolyn Seitz	treasurer@mineralsocal.org
Webmaster	Leslie Ogg	webmaster@mineralsocal.org

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:

Mineralogical Society of Southern California

13781 Alderwood Lane, 22-J, Seal Beach, CA 90740

E-mail: treasurer@mineralsocal.org

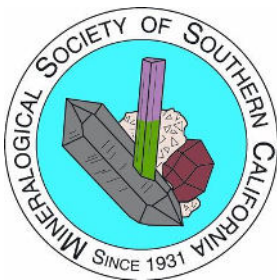
Website: www.mineralsocal.org **The Mineralogical Society of California, Inc.**

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To:



With Knowledge Comes Appreciation

**Your MSSC
Bulletin Is
Here!**