

Bulletin of the Mineralogical Society of Southern California

Volume 96 Number 12 –December, 2023

The 1,020th meeting of the Mineralogical Society of Southern California

With Knowledge Comes Appreciation

A ZOOM Meeting

December 8, 2023 at 7:30 P.M.

Program: "Paramelaconite from Bisbee, Arizona "
Presented by Evan Jones

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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

About the Program: “Paramelaconite from Bisbee, Arizona””: Presented by Evan Jones:

In 2008, the collection of Jim and Dawn Minette was offered for sale at the Tucson Gem & Mineral Show. As a collector of Arizona minerals with an abiding interest in the mineralogy of Bisbee, Evan was keen to acquire, if possible, the only fine example of the rare copper oxide, paramelaconite, from Bisbee that was privately owned and therefore potentially available. Bisbee is the type locality for the species and Minette had managed to acquire one in 1978. It was generally acknowledged as one of the most important specimens in his thumbnail suite. A few other good specimens exist but are in the collections of institutions including the National Museum of Natural History (Smithsonian) and the American Museum of Natural History. Upon securing the Minette specimen, I embarked on a quest to learn more about paramelaconite, the discovery and history behind the few specimens known to exist from Bisbee, and the reason for the mystique surrounding the species.



Longtime mineral collector and dealer Evan Jones, son of well-known author Bob Jones, started collecting minerals at age 9 and with his father visited museums, attended mineral shows, went on collecting trips and visited mineral dealers from an early age. A graduate of the geology program at ASU in Tempe, Arizona, Evan has been a full-time mineral dealer since 1986 and is currently co-owner of the fine mineral dealership Unique Minerals, Inc. Evan has attended every Tucson Gem & Mineral Show since 1981 and won several awards including Walt Lidstrom, Miguel Romero and Dick Bideaux trophies. Evan has authored articles for Mineralogical Record, Rocks & Minerals, LAPIS, Mineralien-Welt magazines and given talks around the country on the subject of Arizona and Mexican minerals, mines and history.

He was awarded the Best Article of 2021 in Mineralogical Record magazine by Friends of Mineralogy for his article on the Milpillas Mine in Mexico. His collection of Arizona minerals is considered one of the finest in the world.

How to Join our ZOOM Meetings

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

For non MSSC Members who want to join this meeting. You must respond to our Programs chair, Rudy Lopez at programs@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 and also will allow time to get everything organized.

From the Editor: Linda Elsnau.

Happy holidays to one and all! I agree with Angie, 2023 just flew by way too fast. Looks like we have some interesting programs scheduled for the next few months as well as what looks to be a fun field trip next weekend. Don’t forget, 2024 membership dues are due. See you next year.

From Our President, Angie Guzman

Here we are, standing in the final month of 2023. “Where did the year go?” Boy, it sure went quickly. Woosh!

2023 - A BRIEF LOOK BACK

Mojave Trails National Monument (MTNM) took some effort by MSSC members, but the Bureau of Land Management (BLM) is considering our bid to collect minerals, do rockhounding and allowing teachers to go in-the-field to instruct students with a hands-on approach. We’ll have some work to do in the Spring of ‘24 but a definitive answer will be published later in the year. Thanks to MSSC member Gregor Losson for his commitment and dedication to this issue. And, to all of you who “spoke up” for collecting there.

COVID popped up again in 2023; thankfully, it was not as severe as when it first reared its ugly head in 2020. Since then, most of our meetings are held via the ZOOM conferencing medium. Our attendance has increased thanks to our wonderful presenters with great topics.

Also, we were able to resume our annual Pot Luck Picnic and Silent Auction in 2023. It took place as an in-person event this past August. After that 3-year hiatus it was nice to greet people and interact with them. There was plenty of talk about mineral finds and catching up was sweet. It was great to enjoy a wonderful time at Caltech's Technology Park, a new venue for us. There was a good turnout and even some new young mineral collectors. The food was great, the raffles were fun and the Silent Auction was a success. A good time was had by all. Thanks to the ad hoc Picnic Committee. Well Done!

On behalf of MSSC, my sincerest thanks to all the chairs for a job well done. My thanks to the entire Board and to all of our members who ensure MSSC has a seat at the (mineral discussion) table. Thanks for your support! Here's to our continued success and a great future! Onward into 2024!

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LOOK: Save 61% when you subscribe to Rock & Gem magazine, *print edition*. See details in this month's Bulletin or check for information on MSSC's website.

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2024 - A BRIEF LOOK AHEAD

In April 2024 we will mark our 93rd year as a viable organization. The Mineralogical Society of Southern California is the oldest mineral society west of the Mississippi. CONGRATULATIONS!!

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Elected MSSC Officers and Directors: Thank you for your dedication and service to our fabulous society. The 2024 newly elected officials are:

President	Angela Guzman	Director #1	Pat Caplette
Secretary	Leslie Ogg	Director #2	Ahni Dodge
Treasurer	Carolyn Seitz	CFMS Dir.	Angela Guzman
Vice President	– Open		

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Shows & Events (a short list of things to come)

2024 will feature a combined **CFMS and AFMS Show and Convention**. The dates are May 24-26, a 3-day event is hosted by Ventura Gem & Mineral Society. The show, "Seaside Gems at Ventura," is this year's national show and will likely showcase minerals or fossils from around the nation, have educational displays, meteorites, special lapidary and jewelry artworks. There will be 50+ dealers, various demonstrations and a Kid's Booth for young people. There will also be hourly silent auctions and wonderful end of show raffles! The CFMS Convention will also convene during this event. Save the dates!

58th Annual QIA Pow-Wow in Quartzsite, AZ will be held January 15-19, 2024. QIA stands for Quartzsite Improvement Association. Check the internet for details about the Pow-Wow. Don't forget the amazing Quartzsite mineral and rock sales earlier in January!

MSSC's sponsored **57th Pacific MicroMineral Conference** will be held near the end of January (date TBD). Watch the Bulletin and check our website for information, registration and other important tidbits.

The **69th Tucson Gem & Mineral Show** will be held February 8-11, 2024. The theme is "Pegmatites, Crystals Big and Beautiful." Additionally, most of you know there are a huge number of vendors and dealers who converge on Tucson before and after the TG&M Show. Check the internet or your favorite source for exact information, accommodations, transportation and reservations.

Website address: Watch our Bulletin or check our website for updates at www.mineralsocal.org . While MSSC no longer hosts mineral shows, it is important to show our support by attending some of these events.

Nature Fest. The Natural History Museum of Los Angeles County has again invited MSSC to participate in their community event, which is resuming after a 4-year layoff due to COVID. This is a fantastic outreach and education opportunity for MSSC. It's wonderful to see all those curious children and to know we have made a rock-solid impression on them and their parents. We hand out brochures to the adults and mineral samples to the kids; we talk minerals and they get it! Rudy Lopez has put together a mineral display that has excellent specimens. The NHM has been a good partner for and to us. Check MSSC's Bulletin and/or website for dates and more information.

We've been planning and organizing our **Installation Banquet and Silent Auction** fundraiser, projected for the end of February 2024. Honestly, we've had a few setbacks, but we're determined to make it work. Come to our Membership meeting on December 8, 2023 where we'll announce an update.

Volunteers Wanted: If you would like to assist with the administration of MSSC, please let any Officer, Director or Chair know how they can help you get started. It's easy and it's fun! Don't miss an opportunity to give back.

[ZOOM Invitation List](#)

If you or someone you know would like to "attend" a membership meeting, please contact Program Chair, Rudy Lopez, to get included on the ZOOM invitation list: programs@mineralsocal.org. It will be our honor to have you join us.

[CA National Monument-Part II](#)

As you know, in 2023 MSSC had been involved with the Mojave Trails National Monument (MTNM) project. We are anxious to know if the Bureau of Land Management (BLM) will allow mineral collecting, in-the-field education for students by their professors and teachers and to allow rockhounding. The Bureau, however, had not heard from the public regarding a definition of a rockhound and was not clear on the definition of a mineral collector and what that entailed either. Long story short, public comment was submitted by many collectors across the state and beyond, and others who wrote definitions, in some cases, very detailed explanations were provided to the BLM.

The Bureau is digesting all of the public comments they received and will advise the public early in the Spring of 2024. At that time, we are expecting to again submit public comment that may be more specific. Subsequently, in the Fall of 2024, the BLM will make their *final decision* – that is, if we can collect minerals, if our teachers can teach in-the-field and if people can rockhound – in the MTNM. Once officially made, BLM's final decision cannot be contested for 25 years, that is, not until 2049! So, our time is now! Meanwhile, we'll keep you posted on any near future developments and let you know if we need to call on you for any support needed in the 2024 Spring.

HAPPY HOLIDAYS

In response to last month's ask for mineral jokes, this one was submitted anonymously. Have you seen it before? Do you have one to share? Just drop me a line at president@mineralsocal.org. Thanks, and enjoy.
Angie Guzman

Western Mineral Tales - We schorl have a good time with this!

Hank Site strode to the barite away. Moly was beautiful with perfect cleavage. "How can I help you?," she said in a silvery voice. "Two quartz of the amber fluid straight from the beryl, no sodalite for me," he said. He was as dry as anhydrite. Moly might gypsum, but she filled his glass to the brim. He was wulfenite right down. To be read with a grain of halite.

Slim entered the barite away. “Where’s the beer beryl?,” he asked. “It only comes in quartz,” she replied. “How much does it sulfur?” Moly’s cleavage was beginning to whet his appetite. “I ought topaz this way more often,” he sighed with specific gravity. “Azurite, I must be wrong,” she said with a blue streak in her voice. Just as he was getting reflective, the conversation lost its luster. She gave him the shaft, but heliodor her always.

END

MINUTES of the November 10, 2023 ZOOM Meeting

Welcome

President Angela Guzman called the meeting to order at 7:32 pm and welcomed members and guests to the 1,019th meeting of the Mineralogical Society of Southern California. There were 23 participants. It is our 42nd ZOOM meeting. Angie is leading the meeting from Visalia while attending the CFMS Convention.

List of Minerals: The October 20, 2023, Newsletter 75 of the IMA Commission on New Minerals, Nomenclature and Classification (IMA-CNMNC) lists 5,978 approved minerals species thus far. Here are two of the new mineral species:

Jianmuite has the chemical formula of $ZrTi^{4+}Ti^{3+}_5Al_3O_{16}$. It has a tetragonal crystal system and was found in Tibet, China. It is a new mineral structure type, the first species-defining Ti (III) of a terrestrial material, not a meteorite, according to Mindat. The CNMNC designation is Jmu.

Edwindavisite has the chemical formula $Cu(C_2O_4)(NH_3)$ with the CNMNC designation of Ewd. It has an orthorhombic structure and was found at the Rowley mine in Maricopa County, AZ. Having a hand in characterization of the new mineral species includes MSSC’s Dr. Tony Kampf (Natural History Museum – Los Angeles), Joe Marty (Utah), [and 4 others: Ron Gibbs (AZ), Robert Downs (AZ), H. Yang (AZ State) and Xiangping Gu (CS Univ, China)].

President’s Message

The election of officers and directors for the term commencing January 1, 2024, will take place this evening in the business portion of our meeting.

Business:

1. Minutes to approve: October 13, 2023, membership meeting minutes as published in the November 2023 Bulletin. The President asked for a motion to approve the stated minutes. A motion was made by Carolyn S. and 2nd by George R. She then asked for additions, corrections, or discussion, there were none. The President then called for the vote to approve the motion. The motion carried by a show of hands.
2. President Guzman opened nominations for all officer and two director positions:

Officer terms are 1 year, including CFMS Director, and the Board Director terms are 2 years. Effective dates 1-1-2024. The nominee must be a member of MSSC, they may self-nominate or be nominated by another member.

Angie asked for other nominations from the floor, there were none. She called for a show of hands to approve the nominated slate.

President	Angie Guzman
Vice President	Temporarily vacant, will be filled at next board meeting.
Secretary	Leslie Ogg
Treasurer	Carolyn Seitz

CFMS Director Angie Guzman
Dir #1 (2024-25) Pat Caplette
Dir #2 (2024-25) Ahni Dodge

Nomination and Election proceedings are in accordance with MSSC current By Laws and Operating Rules & Regs.

Announcements and Reports

1. Membership update (Angie for Cheryl): (a) Membership dues are now due. There is a Membership Application on-line for all members. For those who wish to pay via PayPal (the fee is \$2); or send your check to our Treasurer at the address on the form. *People who mail checks should still fill out the online membership form (sec. note)* (b) The Membership Chair position will be held by Carolyn Seitz through the end of this year. That position is available beginning 1-1-24. Is there anyone who would like to volunteer for that position? Note: The Board will meet Jan. 7, 2024, and discuss an appointment of a member to chair this important committee.
2. Events: (a) Rudy L. gave a report of the OC Ralph Clark Regional Park, Oct.14, 2023 event. We had two donations which provided hundreds of specimens to give away. Our table was very popular with kids and adults. Staffing the booth were: Rudy L., Angie G., Tessie S., Carolyn S., Leslie O., and David L. (b) Field Trip - Report of trip to Lead Mountain, Marek C. reported that it was cool and windy. They collected a lot of barite. There were more than 10 people. The next field trip will be December 2-3 to the Big Pine and Lone Pine area: Crystal Peak and Haystack for amazonite and aquamarine. Contingent upon the weather and the condition of the road to Haystack Mountain. (Marek plans to check it out ahead of time). Ken Rogers reminded everyone to wear sunblock!
3. Installation Banquet update: Angie said that the banquet will be toward the end of February, it's too late to reserve for January. Rudy mentioned three possibilities, the consensus was for "The Only Place in Town" in Sierra Madre. Due to a low head count requirement and reasonable prices.
4. Other (a.)Rudy will be giving a demonstration for the opening of the new Gem and Mineral Hall at NHMLA on December 9th. Angie will be assisting in jewelry making. There will be a display of some 100ct diamonds, etc. He will be raffling off cabochons. (b.) Beth H. asked for information on Dennis Ewell, she purchased his collection and would like a photo and any other information about him.

Program: Angie turned the meeting over to the Program Chair, Rudy L. who introduced tonight's speaker, Dr. Scott Braley. Talking about collecting Herkimer Diamonds in New York. (*You can see Scott's bio on the MSSC home page*). No town called Herkimer, only a county. There are three commercial mines. He visited the Crystal Grove and Ace of Diamonds mines.

The source of the diamonds is a 500MYA deposit from a shallow sea. The sediments buried Precambrian rocks. These were jointed and faulted. After three mountain building events, the sediments were buried 5km down. Then 325MYA hydrocarbons mobilized through the rock creating voids. These voids in the dolostone were lined with dolomite. Over time silica was slowly released forming quartz crystals. The solutions were about 200°C. This slow formation produced "perfect" crystals. Later calcite crystals formed, and pyrite and other sulfides developed.

The photo of the Ace of Diamonds mine showed the strata. A layer of topsoil covering glacial till which is followed by the dolostone and then the pocket layer. The pockets are dome shaped with crystals loose at the edges of the dome. There are few matrix specimens. Scott said there are very nice dolomite crystals which are treated as waste and not collected. There are also hydrocarbon residues that form anthraxolite (aka pyrobitumen) which is a polymerized hydrocarbon i.e.. plastic.

Once they open a pocket (*it will cost you \$2000*) you can see they are full of quartz crystals.

Scott said he looks for crystal clusters with pockets in them and finds the missing parts. He has been able to reassemble clusters with up to fifty crystals.

Finally, he showed a variety of crystals and clusters. These were all from the Ace of Diamonds Mine, which has the accessory minerals calcite and dolomite. With very few matrix specimens.

In the Crystal Grove Mine: calcite is the accessory mineral. Matrix specimens are more common.

He showed some of his amazing photos, with various types of solid, liquid, and gas inclusions inside the quartz crystals. He opened the meeting up for discussion and comments.

Last Words:

- (a) The next membership meeting is on Friday, December 8, 2023, it will include a presentation by Evan Jones on Wulfenite. (Editor’s note: Evan’s program has been changed to Paramelaconite from Bisbee, Arizona " Presented by Evan Jones)
- (b) The next MSSC Board meeting will be Sunday, January 7, 2024, at 1pm via ZOOM.
- (c) Guests are asked to contact Rudy Lopez to be put on the ZOOM invite list.

Adjournment: The President adjourned the meeting at 8:46 pm

Respectfully submitted, Leslie Ogg, MSSC Secretary

**If you haven’t already paid your MSSC Membership Dues, Remember,
DUES ARE DUE!**

List of Upcoming MSSC Events : Mark your Calender!

Event	Date	Comments / Scheduled Program (if known)
Meeting Dates:	ZOOM January 12, 2024	Denise Nelson: “An Appraiser’s Story”
	ZOOM February 9, 2024	Jeff Scovil; TBA
	ZOOM March 8, 2024	Jim & Gail Spann; TBA
	ZOOM April 12, 2024	Erin Delventhal & Phil Simmons; TBA
Board Meeting	ZOOM January 7, 2024	ZOOM at 1:00 PM
Field Trip	DEC, 9&10, 2023	Crystal Peak and Haystack, Inyo Co

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.

**MSSC Field Trip: Crystal Peak and Haystack, Inyo Co.,
Saturday-Sunday, Dec 9-10, 2023**

Hi mineral friends!

For our next adventure we will visit the classis rockhounding locations, the Crystal Peak near Big Pine on Saturday, Dec 9, 2023, and Haystack near Lone Pine on Sunday, Dec 10.

On both days, we will meet at 10 AM to let the cold mountain air warm up for collecting comfort and let the people driving all morning get there on time. On Saturday, the 10th, we will meet at 10AM in Big Pine. The parking lot is near the Bristlecone Pine information stand at the intersection of US-395 and CA-168. Here are the GPS coordinates of the meeting place: 37°10'22.4"N 118°17'22.7"W (36.61194,-117.98111). The Google Maps link: <https://maps.app.goo.gl/3g26ByKBedgHAJfF8>.

It's 255 miles from Pasadena, so the driving time is just over 4 hours. However, lane closures due to construction on Fwy 14 in Lancaster can cause delays, so check the traffic before leaving. Taking Fwy 210, I-15, and US-395 is also a potential alternate route. If you're late, keep going northeast on CA-168, past the Westgard Pass, into Deep Spring Valley to the Crystal Peak turnoff at these coordinates: 37°21'51.3"N 118°00'24.3"W, link: [https://maps.app.goo.gl/AJVjxTzzj76VyBm2837°21'51.3"N 118°00'24.3"W](https://maps.app.goo.gl/AJVjxTzzj76VyBm2837°21'51.3). Open the makeshift barbwire gate and follow the dirt road until you get to the cars parked next to the hill. Just remember to close (rewire) the gate behind you.

The dirt road is flat, just dusty. City cars will make it without issues; no 4WD or high clearance is necessary. The hill is full of **quartz** veins, mostly milky and massive, but there are also clear crystals to find. Decades of rockhounding removed the most accessible material, but plenty remains. Some crystal bunches have crystals over 5-7 cm, sometimes with **pyrite** cubes altered to goethite over 1 cm in size. The side of the hill is littered with pieces weathered out of the veins that can be collected with little climbing. Finding the best crystals, however, will require some climbing to the veins and breaking them out of the rock. So, bring your heavier hammers and chisels for that. See the Mindat location for more info: <https://www.mindat.org/loc-189260.html>.

For the second part of the trip, we will meet on Sunday at 10AM west of Lone Pine (50 miles south of Big Pine, not the same pine!) at the intersection of CA-136 and Dolomite Loop Rd at these GPS coordinates: 36°34'27"N 117°59'49"W (36.57414, -117.99694). Google link here: <https://maps.app.goo.gl/uh6kbA8oYevKKgbm7>.

From there, we will drive a couple of miles to Haystack's southwest side on a bumpy and sandy road, but all cars should make it. If you're late, join us at these coordinates: 36°36'32.1"N 117°59'00.5"W.

Haystack is the classic locality for California **amazonite** and **aquamarine**. However, it is well picked over and will require walking through ditches and climbing steep slopes and boulders, so this second half of the trip is recommended for people with good mobility. There are many veins in granite with white **microcline** crystals and dusty to smoky **quartz** points, but the greens and blues are much harder to find or break out when found. See the Mindat location for more info: <https://www.mindat.org/loc-254891.html>.

The weather forecast is mild for December, around 58F in the afternoon. However, the night temperatures will dip close to freezing, so I suggest skipping camping and spending a warm night in the motel.

Hope to see you there! Marek C

With Knowledge Comes Appreciation

OTHER FREE THINGS TO DO...by Ann Meister

The **Watson Lecture** is on Wednesday, **December 13** at 7:30 PM at Caltech's Beckman Auditorium. The speaker is Wei Gao, Assistant Professor of medical engineering, Caltech. The title is "**Wearable Biosensors and the Future of Personalized Medicine.**" Rapidly developing research in personalized medicine promises to revolutionize traditional medical practices. Wearable devices that can monitor health and treat disease represent one area of tremendous opportunity. In this talk, Wei Gao, assistant professor of medical engineering, Heritage Medical Research Institute Investigator, and Ronald and JoAnne Willens Scholar, will share his work on wearable biosensors that analyze human sweat to measure metabolites, nutrients, hormones, proteins, and medication levels. He will also describe research progress that is helping to make these sensors affordable and battery free and explain how wearable technologies may propel new advances in precision nutrition, stress and mental health assessment, and chronic disease management. *Find more past Watson Lectures on [Caltech's YouTube channel](#).*

The **UCLA Meteorite Gallery** is open. Check the website for hours. The monthly lecture will be presented via Zoom on Sunday, **December 16** at 2:30 PM. The speaker and the title are not yet available. To join via Zoom, click [here](#). If clicking the link does not work, please open your zoom app and enter the meeting ID: 983 0252

9304. Then click "join meeting in progress" (there is no password). If you need further instructions on how to join our meeting via Zoom, click [here](#) or contact Kevin McKeegan at mckeegan@epss.ucla.edu. This meeting is only accessible through the desktop and mobile client. Visit the website and check on events and videos and other neat things about meteorites, go to <https://meteorites.ucla.edu>

The **Von Kármán Lecture** is on Thursday, **December ??** at 7:00 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 \(nasa.gov\)](#).

Special Announcement: Rock & Gem Magazine's Special Offer

At their November 2023 meeting, California Federation of Mineralogical Societies (CFMS) announced a 61% savings on *print* edition of the magazine, **Rock & Gem**. This offer is through MSSC's memberships with CFMS and American Federation of Mineralogical Societies (AFMS).

If you are interested in taking advantage of this special offer, kindly fill out the order form included in this month's Bulletin or check MSSC's website for more information.

Thank you, Angie Guzman,
MSSC's CFMS Director

A Win-Win-Win with Rock & Gem

Subscribe & Support both R&G & AFMS—& Get a Discount for Yourself!

By Jim Brace-Thompson, AFMS 4th VP & Public Relations Chair

Rock & Gem has long been recognized as the officially endorsed hobby magazine of AFMS and, by extension, the seven regional federations and their member clubs. The editor there, Pam Freeman, is offering a special deal to members of local gem and mineral societies affiliated with AFMS. It's a win-win-win deal in that *Rock & Gem* gets subscribers, we subscribers get a 61% discount, and AFMS gets a 15% commission on each subscription that will go into the Endowment Fund. This deal applies to both new and renewing subscriptions and has been approved and endorsed by the AFMS Executive Board, who designated me to serve as the liaison between AFMS and *Rock & Gem*.

Rock & Gem has produced a "Rock & Gem/AFMS Subscription" flyer/order form we hope to post to the websites of AFMS and the regional federations to ensure that a portion of your payment goes to AFMS. Those preferring to order online can use the QR code included on the flyer that can be scanned with your cell phone. By the way, the same deal applies to any subscriptions you might sell to members of the general public by having copies of the flyer/order form at, say, a take-one table at your annual club show. I can also send this form in pdf format as an attachment; email me at jbraceth@roadrunner.com.

Here's to supporting our official hobby magazine as it, in turn, supports us as individuals and as a Federation!

A separate "Subscription Special" information and Order form is included with this Bulletin.

Calendar of Events:

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

December 2-3, 2023 – Barstow, CA

Mojave Desert Gem and Mineral Society
Cora Harper Community/Fitness Center
841 Barstow Road, Barstow, CA 92311
Hours: Saturday and Sunday 10 am – 5 pm
Website: <http://www.mdgms.net>

2024

January 20-21, 2024 – Exeter, CA

Tule Gem and Mineral Society
Exeter Veterans Memorial Building, 324 North
Kaweah Ave., Exeter, CA 93221
Hours: Sat 10 AM – 5 PM, Sun 10 AM – 4 PM
2024 Gemboree Website: <http://www.tulegem.com>

March 2-3, 2024 – Ventura, CA

Ventura Gem & Mineral Society

Ventura Co. Fairgrounds, 10 W. Harbor Blvd.,

Ventura CA

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

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

MSSC Advertisement Policy:		
Mineral-related ads are allowable in the MSSC bulletin. Below is the price per month		
Business Card	\$5.00	
1/3 page	\$10.00	
1/2 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		

Mineralogical Vocabulary

Descriptions are as defined in Manual of Mineralogy, 15th edition, by: Dana & Hurlbut; published in 1941.



irocks.com photo

Bladed

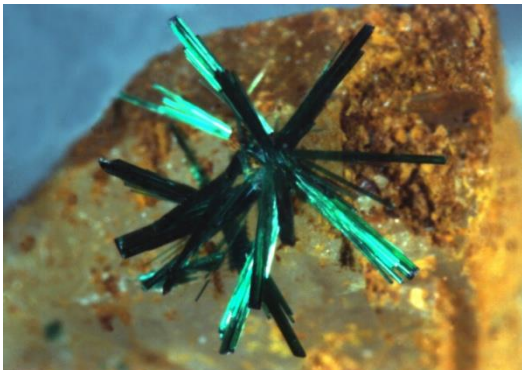
When the crystals are an aggregate of many flattened blades as displayed in this Barite specimen:

Barite

BaSO₄

Locality: [Mine No. 18, Paleokamariza Mines, Paleokamariza area, Lavrion District Mines, Lavrion \(Laurion; Laurium\) District, Attikí \(Attica; Attika\) Prefecture, Greece](#)

5.8 x 3.8 x 3.0 cm.



FL Elsnau Photo

Stellated

When radiated individual crystals form star-like or circular groups, they are described as stellated.

Brochantite

Cu₄(SO₄)(OH)₆

Locality: Blanchard Mine, (Portales-Blanchard Mine) Hansonburg District Bingham, New Mexico --
Group appx 4mm across

Happy New Year to One and All !

2023 MSSC Officers:

OFFICERS		
President	Angie Guzman	president@mineralsocal.org
Vice President	Cheryl Lopez	vicepresident@mineralsocal.org
Secretary	Leslie Ogg	secretary@mineralsocal.org
Treasurer	Carolyn Seitz	treasurer@mineralsocal.org
CFMS Director	Angie Guzman	
Past President	George Rossman	
DIRECTORS		
2022-2023	Pat Caplette	
2022-2023	Ahni Dodge	
2023--2024	Simona Cianciulli	
2023--2024	David Lesperance	
2023--2024	Pat Stevens	
COMMITTEE CHAIRS		
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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 held via ZOOM conferencing until further notice. The annual Installation Banquet is held in January, and the annual Picnic and Swap Meeting is held in August. Due to PCC holidays, meetings may vary. 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 delivered 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

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

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To:



**With Knowledge Comes
Appreciation**

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