



DAISY MOUNTAIN ROCKCHIPS

The purpose of Daisy Mountain Rock & Mineral Club is to promote and further an interest in geology, mineralogy, and lapidary arts, through education, field experiences, public service, and friendship.

VOLUME 7, ISSUE 9

OCTOBER 2022



Single prismatic Neptunite crystal from a classic locality — the Dallas Gem Mine, San Benito County, California. The crystal is 1" tall, and resides on a bed of Natrolite. Look closely and you can see the dark red color revealed at areas where light shines through.

Photo by Didier Descouens and licensed under CC BY-SA 4.0



NEPTUNITE

By Susan Celestian

Neptunite is a mineral that you are unlikely to collect personally, however it is quite a famous mineral hailing from San Benito County, California.

Chemical Formula - $\text{Na}_2\text{KLiFe}^{2+}_2\text{Ti}_2\text{Si}_8\text{O}_{24}$

Crystal System - Monoclinic (3 axes of unequal length, and one not at 90° to the other two)

Go [HERE](#) and scroll down to see an animation; or [HERE](#) and click on crystal graphics.

Growth Forms/Habits - Coarse to slender prismatic crystals; sometimes tabular (See links above)

Hardness - 5-6

Luster - Vitreous

Streak - Cinnamon-brown

Color - Black (although may show dark red to rusty brown in thin pieces or along edges)

Diaphaneity - Opaque

Specific Gravity - 3.19-3.23

Cleavage - Perfect in one direction

Fractures - Conchoidal

Neptunite was first described in 1893, in the Narssârssuk Pegmatite in western Greenland. There it is associated with Aegerine (named after the Scandinavian sea god, Aegir); therefore, Neptunite takes its name from the Roman god of the sea, Neptune.

It is a mineral with outstanding specimens known from only a handful of worldwide locations, most notably Greenland; California; Mount Saint-Hilaire, Quebec; Namibia; and Kola Peninsula, Russia. And it also is reported from Australia, Newfoundland and Labrador, Germany, Hungary, Ireland, Libya, Mongolia, Slovakia, Tajikistan, Montana, New Mexico, and North Carolina.

Of course, the closest localities to us are in San Benito County in California. There dark neptunite crystals are found in snowy white natrolite, within a glaucophane schist. The natrolite is dissolved away to reveal the starkly contrasting neptunite crystals. Sometimes, the neptunite crystals are associated with blue benitoite crystals.

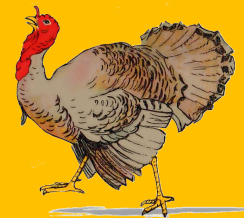
A few images of neptunite are in Figures 1-3.

[Neptunite](#) continued on 13...

The DMRMC Board has voted to, as a 501(c)(3) organization, the club will sponsor a food drive. The food will be donated to a couple local food banks or charities that provide dinner over the holidays. In addition, the club will donate some turkeys (or money for turkeys).

To support this effort, please

**BRING CANNED
& DRY GOODS
TO THE
NOVEMBER
MEETING!**



WIRE WRAPPING

Jennifer Gecho has been teaching wire wrapping classes for several years now. However, she finds she cannot continue.

THANK YOU JENNIFER for all your time and patience!

ANNOUNCEMENT: NEW WIRE WRAPPING INSTRUCTOR!

New member Ryan Howard has volunteered to lead the class. He has a lot of experience and enthusiasm.

CLASS DATE: on the 1st Tuesday

CLASS TIME: 4:30-6:15

CLASS PLACE: Anthem Civic Center,

CHRISTMAS PARTY DETAILS ON [PAGE 14](#)

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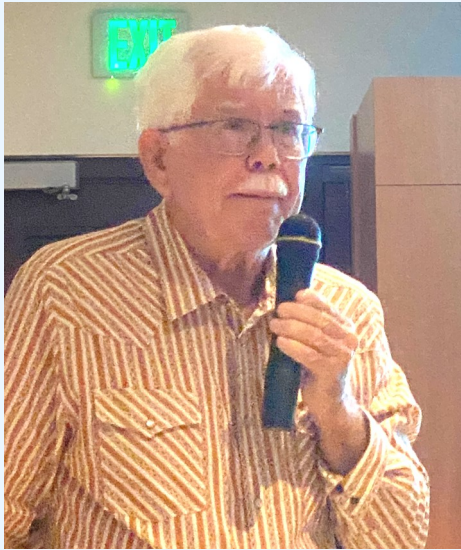
Each item is now hyperlinked to the page on which it is found

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OCTOBER SPEAKER

Colorado River Commission (November 24, 1922)

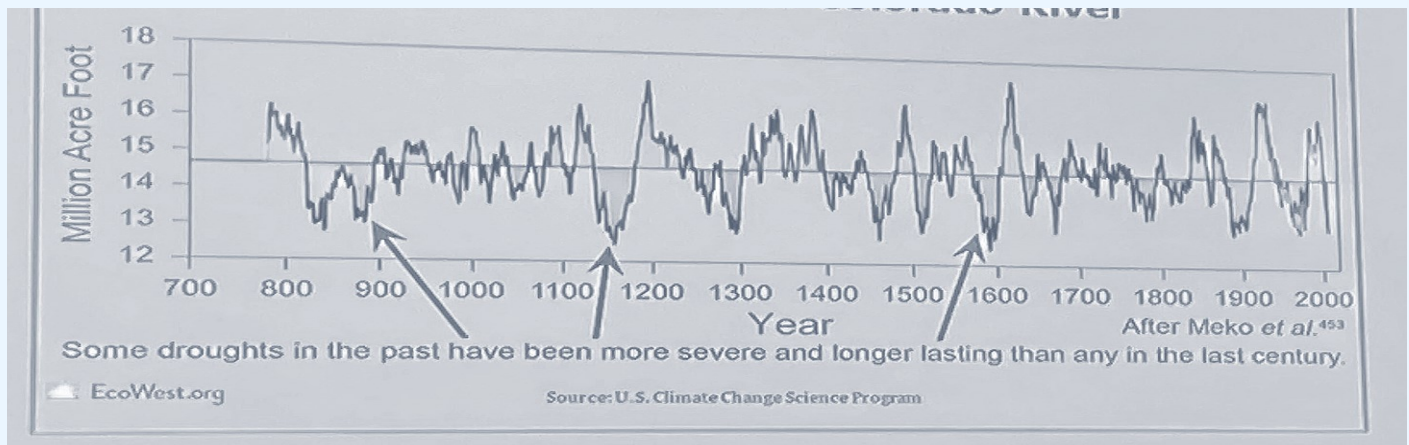
Jay Yett



The 100th anniversary of the Colorado River Commission is about a month away. The Colorado River Commission was established to sure access of affected states to Colorado River water, to prioritize water use, to initiate flood control measures, and more. Those states include Arizona, New Mexico, Colorado, Nevada, Utah, Wyoming, and California (Notably, Mexico was not considered). In truth, the commission members were worried about water-hog California, in which only a very, very small portion of the Colorado River Basin resides. Ultimately, the river basin was split in half (north and south), and half of the water was allocated to each sub-basin. Plus, the south basin got an extra 1,000,000 acre/feet — and California took that, since there was no language specifying who was to receive that water.

The commission allocated water rights to the members. Unfortunately, in 1922 there were only 3 gauges on the Colorado River, and they were wrong — meaning that the determination of the discharge within the Colorado River Basin, or even the annual variations therein, were grossly misunderstood.

Monitoring the Colorado River Basin has improved (there are 86 gauges). One assumes that a river basin's discharge is variable; however based on tree ring data, a graph of wet and dry periods within the Colorado River Basin can be seen below. The results? Droughts are common — some long-lasting. However, allocations were based on the period 1900-1920, which was a very wet period — so you can see the problem (at least one of them). See the chart below.



In an attempt to hedge water supplies against drought, dams have been built. One of these is Boulder Dam, behind which lies Lake Mead. Under terms of the Boulder Canyon Project Act (1928), allocations are adjusted in times of drought. As the levels in Lake Mead fall to 1090' (currently at 1040'), Arizona has lost 400,000 acre/feet, Nevada more than 13,000 acre/feet, and California experiences no reduction.

Of course, there are other issues: Mexico water rights, Native American water rights, environmental issues, California over-drawing water, use prioritization, and so on.....It's complicated.

ZOOM BOARD MEETING MINUTES**October 3, 2022**

- In attendance: Bill F., Bob E., Bob S., Claudia M., Deanne G., Don R., Gregg J., Johanna R., Nancy G., Rebecca S., Renee I., Stan C., Sue C., Tiffany P, and Yolanda J.
- Bill F. called the meeting to order
- Minutes from September were accepted
- Deanne G. discussed the financials
 - The club made money on membership, raffle, silent auction, and promotional items (stickers, keychains, etc.)
 - The club had expenses for volunteers, yearly trailer rental, and rooms
 - There is a pending charge for Chile's Restaurant
 - For the field trip committee meeting over the summer
 - Bob E. asked to setup a budget for the next fiscal year
 - The club has had similar costs over the last several years
 - This will help see what the club spends
 - Deanne completed this for 2021 and will do another for 2022
 - Will have ready by next meeting
 - Donations for the holiday were discussed
 - Canned food drive collected from the club members
 - Approved
 - Will be collected at November meeting
 - Motion made for the club to give \$200 to a charitable food drive for the holidays (Thanksgiving and Christmas)
 - Approved 12 for and 1 against
 - The specific entity/ies will be decided next meeting
- The changes of the By-Laws were discussed by Bob E. and Johanna R.
 - Johanna added, substituted, and changed some wording
 - Those on the board who miss 3 consecutive meetings will be dropped from the board
 - The board size was changed to 16 trustees and 4 officers
 - This was to limit the size of the board to prevent confusion
 - Currently at 4 officers and 14 trustees
 - The officers are President, Vice President, Secretary, and Treasurer
 - It was added that the President can delegate a Co-chair for the show
 - Lecture chairperson was taken out of the By-Laws
 - The President fills this role
 - The changes will be completed by Johanna R and Ed W.
 - These will be reviewed by the board again before approval
 - Should be complete by next meeting
- Claudia M. discussed the promotional items
 - Was given (4) Frank Lloyd Wright tickets for donating rocks

...Minutes continued from page 4

- Would like to add them to the silent auction (2)
 - Would like to add them as a Christmas gift (2)
 - Will discuss at the general meeting
 - T-shirts will be for sale at the general meeting
 - They can also be ordered online for the first time this year
 - Online sales end October 19th
 - Looking into other promotional items for volunteers for the future
 - Canvas bags for rockhounding
 - The first round of gifted items was received well
 - Bumper stickers – will buy several sayings and sizes
 - 3 x 7 and 3 x 11 inches
 - Will have prototype for meetings available
 - Will put new Daisy Mountain logo on the stickers
 - Will buy enough for the club members and to sell at the show
 - Will take the top 5 sayings to create
 - Claudia has made a sign-up sheet for show volunteer positions
 - The members can put their top 4 best options on the sheet
 - Claudia also made a sign-in sheet for the meetings
 - We would like to track who attends the meetings to get a better understanding of the club's audience
 - The free t-shirts for volunteers will be funded by the club
 - It was approved to have the t-shirt say "VOLUNTEER" on the back
- The show date was discussed
 - Debbie, the chair of Anthem Days was contacted
 - The date has not been set yet
 - The date of the show is tentatively March 12-14 until Anthem Days is set
- Tiffany P. discussed the membership
 - There are new members for the month
 - Thank you, Tiffany, for your hard work creating the online t-shirt portal
- Stan C. talked about the claim's committee
 - Nothing new to report
- Wire wrapping with Jennifer G. was discussed
 - There will not be a meeting for October
 - The wire wrapping leader is an option on the volunteer sign-up sheet
- The Youth group was brought up
 - The volunteer option is on the sign-up sheet
- Bill F. discussed the field trips
 - 3 in September, all went great
 - **Members must RSVP to emails to go on trips**
- The Christmas party was discussed
 - Ed W. was able to verify the club can have the party at the Civic Building
 - Will be catered – Mexican food chosen

Minutes continued on page 6....

...Minutes continued from page 5

- The November board meeting will be in person
 - This will depend on facility availability
 - Will be at 5pm before the general meeting
- Upcoming programs were discussed
 - Recognition – TBD
 - Youth program – TBD (need volunteers to be leaders)
 - The ratio of youths is noted on membership spreadsheet
 - The vision of the youth program is to help promote the club's mission of expanding geological knowledge to community members
 - A great way is to get youths involved in the club
 - The youth program will give the children an incentive to create a show display case of their rock collections
 - The program will have kid friendly activities to engage in geology

Respectfully submitted,

Rebecca Slosarik

GENERAL MEETING MINUTES

October 4, 2022

- Open attendance: 74 members in attendance, 4 youths
- Bill F. called the meeting to order
- Ed W. removed the mining expedition from the field trip list
 - It was found to be non-viable due to the road conditions
- Jay Yette (a founding member of the club) gave a riveting discussion on the Colorado River Compact that was formed in 1922
 - First United States interstate ruling on water that included 7 states, 242,000 square miles, and now supports 40 million people
 - Thank you for your continued support of the club and the presentation, Jay!
- The raffle made the club \$179
 - Thank you, Deanne G. and Robin S. for running the raffle
- Ed W. greeted the new guests with a round of applause
 - All found the club from fellow rockhounds
- Deanne G. presented the financials
 - Club in good standing
 - The club membership dues need to be collected before December
 - This is to give our dues to the Rocky Mountain Federation
 - They cover our insurance
 - They help keep us connected to other clubs in the area
 - The club has made great strides from the beginning
 - Thank you to everyone for supporting the club

Minutes continued on page 7...

...Minutes continued from page 6

- Stan C. gave an update on the claim's committee
 - There is nothing new since the last meeting
- Bill F. talked about the field trips
 - September trips
 - 17 attendees for Mingus Mtn.
 - Over 20 attendees for DoBell Ranch (a club favorite)
 - 17 attendees to Parks, AZ
 - 50+ attendees with the combined MSA trip to Diamond Point
 - October trips
 - Robert's Mesa Agate
 - Bronzesmith – Thursday (max 15 people)
 - Fossil Site
 - Reply to trip emails to attend
 - Overnight trips will be given 2 months advance to make accommodations
 - Might add a Sunday trip to the list
 - Check emails for updates and information
 - There is always a meeting spot before going into 4x4 and clearance locations
 - This can be used to find carpooling with those that have capable vehicles
 - Ask Bill Freese in the email if accommodations can be made
- Ed W. discussed the Board and Officers
 - Officers = President, Vice President, Treasurer and Secretary
 - The vote for all trustees will be next month (November meeting)
 - The votes will be cast and decided in December
 - The cap of board members is 16 + 4 officers, so 20 board members
 - Volunteers for positions are welcome to apply
- Claudia M. talked about several upcoming items
 - T-shirts are available to buy now!
 - Took orders at the meeting
 - There will be some extra if you missed out
 - Or get them ordered online (open until October 19th)
 - Stickers and keychains are available as well
 - The funds help pay for the scholarship to geology college students
 - Kid's corner needs volunteers
 - Rocks need to be glued with numbers on them
 - These are given out to kids at the club show
 - Volunteers will receive gift bags for their time
 - Renee I. needs help with tumbling rocks
 - Anyone with a tumbler can help
 - Email dmrmclub@gmail.com if you can help
 - Next month the club will collect donated food for canned food drive
 - This will be given to Foothills Food Bank nearby
 - Please bring whatever you can to the next meeting
 - Claudia donated rocks to Frank Lloyd Wright Museum

Minutes continued on page 8...

...Minutes continued from page 7

- Tickets will be available at upcoming silent auction and Christmas party
 - They are worth \$79/each
 - The Christmas party will be catered with Mexican food
 - Any issues please let Claudia M. know so accommodations can be made
 - The scholarship is coming up
 - Sent to 3 local high schools for applications
- Tiffany P. talked about membership
 - Over 305 members in the club
 - The club started in 2010 with just 7 members
 - Extremely excited to see the love of geology grow
- Ed W. discussed the Show
 - The club has money for other programs because of the show's revenue
 - The club will need volunteers, so please help if you can
 - T-shirt's will be given to all who help at the show
 - Minimum shift is 4 hours
 - Volunteer early to get the right sized shirt
- Bill F. talked about the new programs coming
 - Youth program – looking for leaders
 - Monthly recognition – ironing out details
 - Club Guides – should be ready next meeting
 - These are ambassadors that know the board and club
- Someone asked what the swap meet meeting is – great question
 - It is a meeting where everyone can bring items in to trade and/or buy from other members in the club
 - It is like a mini exclusive show
- Ed W. adjourned the meeting with some final notes
 - Show and tell is always available at the front left table
 - Bring in your rockhounded or treasured rocks to show everyone
 - The club owns a transilluminator and can be used at meetings
 - This is a large box where you can put your rocks inside of it
 - It has several wavelengths of UV light
 - See your rocks in a whole new light, literally
- The silent auction made the club \$148

Respectfully submitted,

Rebecca Slosarik

Minutes continued on page 0....

...Minutes continued from page 10

ZOOM SPECIAL BOARD MEETING MINUTES

October 6, 2022

- In attendance: Bill F., Bob E., Claudia M., Deanne G., Don R., Ed W., Gregg J., Johanna R., Nancy G., Renee E., Robert S., Stan C., Sue C., Tiffany P.
- The club needed to vote on the Christmas party
 - The date had to be changed from the 10th to the 6th
 - This is for availability purposes
 - Will be at the normal December meeting time and date
 - The motion was made to reserve \$1500 for catering
 - 13 for and 1 against (motion passed)
 - The club will provide plates, utensils, cake, and drinks
 - Members will bring their own side dishes

Respectfully submitted,

Rebecca Slosarik

GEO MINI

How Minerals Get Their Names

By Susan Celestian

First — since 1960, the *International Mineralogical Society's Commission on New Minerals and Mineral Names* has had the authority to verify new minerals and to approve new mineral names. There are over 20,000 mineral names in the literature, but “only” a bit over 5800 recognized minerals. Many names have been removed because various names were applied to the same mineral — and the first published is given priority (**example:** celestite is now known as celestine). Other minerals have been removed when they were deemed invalid as new minerals, or were recognized as varieties of known minerals.

There are several reasons that determine how minerals get their names. They may be named for

- * a physical characteristic
- * a locality at/near the site of first discovery
- * a chemical characteristic
- * a person (usually someone prominent in mineralogy)
- * metaphysical or mythical properties

Names for physical characteristics: In particular, color is often the characteristic for which a mineral is named.

example: Malachite's name derives from Greek *malache*, for the mallow bush's green leaves

example: Kyanite's name derives from Greek *kyanos*, for blue.

¹Type Locality is the locality from where the mineral material, used to define and describe a new mineral, was collected.

Names for locality: Many, many minerals have been named for the type locality¹ or nearby feature.

example: Shattuckite was named for the Shattuck Mine, the type locality in Arizona.

example: Labradorite was named for the site of first discovery — Labrador, Canada.

Names for chemical characteristics:

example: Cavansite's name comes from using letters from its formula — **calcium vanadium silicate**.

example: Pentagonite is named for the pentagonal (5-fold) symmetry.

Names for people (or even deities/mythical creatures): Especially in more modern times, many minerals are mostly named for people prominent in mineralogy, chemistry or related field (but may honor people in unrelated areas). And some people have 2 minerals named for them (using first and last names).

examples: Two minerals named after Arizona people are raygrantite and bobjonesite.

example: Sklowdowskite and (uranium mineral) were named for Madam Marie Sklowdowska Curie).

examples: Two minerals named after Arizona people are raygrantite and bobjonesite.

example: Sklowdowskite and (uranium mineral) were named for Madam Marie Sklowdowska Curie).

Names for metaphysical/mythical characteristics:

example: Amethyst's (purple variety of quartz) name derived from Greek (*amethystos* for “intoxicated”), for its supposed power to prevent drunkenness.

Names of lapidary materials (such as jaspers and agates) are largely left up to the miner or branding entity. They are not officially recognized by the international mineralogical community.

Most mineral names end in -ite (from Greek *ites*, adjectival form of *lithos*, for “rock or stone”. Suffix -ine is the suffix added to Greek- or Latin-derived words, and means “pertaining to” or “made of”.

FIELD TRIP TO DIAMOND POINT

Saturday, October 1, 2022

Photos and text (edited by Sue Celestian) by Bill Freese

Hey Rockhounds, MSA had a trip on Saturday that DMRMC was invited to, and I went along to take some pics and help out, as there were over 50 people that showed up. There were lots of smiles on the faces of the attendees to popular trip. It is in the cool pines, east of Payson and you get to hunt for crystals.



I wonder if whoever found this pocket has etched it out — kind of looks like calcite, and there could be some nice quartz crystals beneath it.

DIAMOND POINT
‘DIAMONDS’

Field Trips continued on page 11....

...Field Trips continued from page 10

FIELD TRIP TO ROBERTS MESA

Saturday, October 15, 2022

Photos and text by Bill Freese

Here we are again, another fun trip with DMRMC. This time we went to Roberts Mesa for some beautiful agate. We ended up with 27 folks on this trip, and all found some great treasures to take home. The weather held up also. There was a possibility of rain, but it did not show until after we had left.



FOR MORE PHOTOS OF THIS TRIP, CHECK OUT THE [DMRMC FACEBOOK PAGE](#)

Field Trips continued on page 12...

...Field Trips continued from page 11

FIELD TRIP TO GEODE HILL

Wednesday, October 19, 2022

Photos and text by Bill Freese

DMRMC had a mid-week trip to an area north of Payson by Whispering Pines. We were specifically looking for some nicely detailed fossils of corals and other sea creatures. (or maybe coralls for your Sea Horses -LOL) This trip was for 4x4 only, and the hardest part was just getting onto the trail. Everyone



Pachyphyllum sp, a Devonian colonial coral, replaced by quartz



Some big geodes!



J
O
Y



JELLYFISH

JUST RHYMING = BUT COUSINS TO THEM



G
E
O
D
E
S



...Neptunite continued from page 2



FIGURE 1 NEPTUNITE This striking specimen is from the Dallas Gem Mine, San Benito Co., CA. The black neptunite crystals are lying on a bed of white natrolite. The specimen is about 1" tall. *Photo by Stan Celestian*



FIGURE 2 NEPTUNITE & BENITOITE Another specimen from the Dallas Mine, San Benito Co., CA. A beautiful association of black neptunite with blue benitoite on natrolite. *Photo by James St John and licensed under CC BY 2.0.*

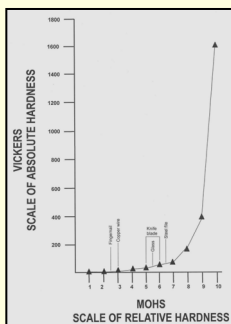


FIGURE 3 NEPTUNITE, BENITOITE & JOAQUINITE on NATROLITE From the State of California (near the Dallas Mine), San Benito Co., CA. This single crystal is about 2/3" long. The light shining through thin areas reveal the dark red color. *Photo by géry60 and is licensed under CC BY-ND 2.0*

GENERAL RESOURCES FOR NEPTUNITE

- <https://www.mindat.org/min-2883.html>
- <https://en.wikipedia.org/wiki/Neptunite>
- <https://www.webmineral.com/data/Neptunite.shtml>
- http://www.classicgems.net/gem_neptunite.htm
- <https://www.dakotamatrix.com/mineralpedia/7204/neptunite>
- <https://www.minerals.net/mineral/neptunite.aspx>

Here's an interesting tidbit or two:



Diamond gets its name from the Green *adamas*, for "invincible". On Mohs Scale of Hardness, diamond has a hardness of 10 — the hardest naturally occurring material on Earth.

The graph on the left illustrates the relative hardnesses of the minerals on Mohs scale — diamond is many, many times harder than any of the others!

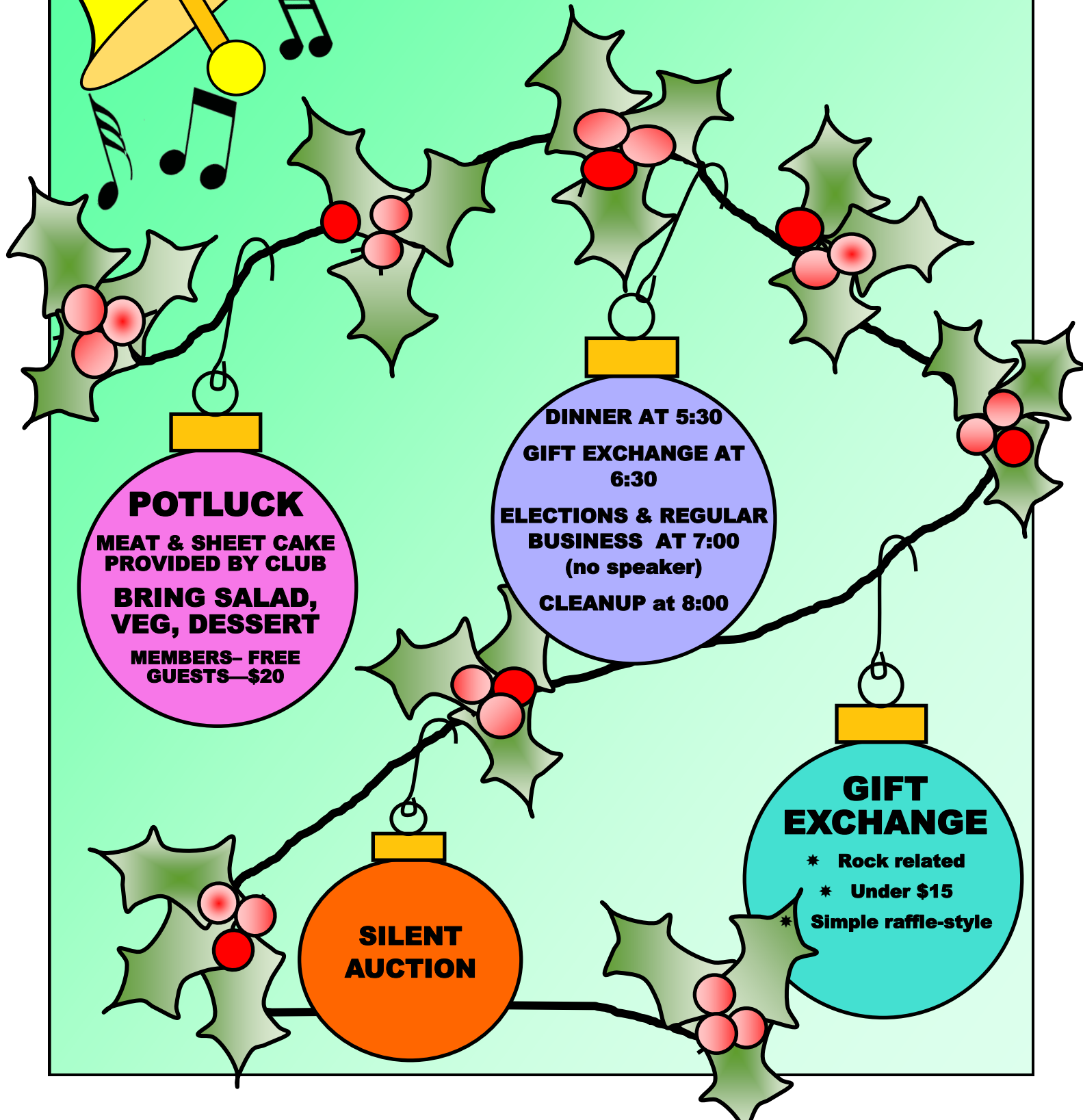
Rare at the surface, at around 100 miles below Earth's surface diamonds are common — with some estimates that there are a quadrillion tons of diamonds (a quadrillion is a million billions!)¹.

¹Fabulous Diamonds* in *Rock & Gem*, September 2022, page 35.

HARKEN ALL!

Club Holiday Party

Tuesday, December 6 at 5:30 pm
Anthem Civic Center



POTLUCK
MEAT & SHEET CAKE
PROVIDED BY CLUB
**BRING SALAD,
VEG, DESSERT**
MEMBERS- FREE
GUESTS-\$20

DINNER AT 5:30
**GIFT EXCHANGE AT
6:30**
**ELECTIONS & REGULAR
BUSINESS AT 7:00**
(no speaker)
CLEANUP at 8:00

**SILENT
AUCTION**

**GIFT
EXCHANGE**
* Rock related
* Under \$15
* Simple raffle-style

SILENT AUCTION ITEMS FOR THE NOVEMBER 2022 DMRMC MEETING

by Stan Celestian, Silent Auctioneer

Dare I say... **“SUMMER IS OVER!”** It has been a brutal 4 months but now **ROCKHOUNDING SEASON** has **STARTED !!!**

ITEM 1 - Frank Lloyd Wright's Taliesin West Tours

We have received two (2) vouchers, each voucher is entitled to two (2) complimentary tickets for an Audio Tour of Frank Lloyd Wright's Taliesin West home in Scottsdale. His home is a National Historic Landmark and UNESCO World Heritage Site that attracts over 110,000 visitors each year.

Advanced reservations are required for voucher redemption based on date/time availability on their website. To see more go to: www.FrankLloydWright.org

The value of each voucher is \$78.

We will put one voucher up for "Silent Auction" at our November club meeting and the second at our December meeting. Proceeds will go towards our second college fund to help a college/university student already studying in the geosciences field.

ITEM 2

It's a ROCK !

It's a FOSSIL !

It's a Mineral !

YES!

YES!

and

YES !!!



This is a **CHUNK** of **Petrified Wood** from Dobell Ranch, Arizona. This outstanding specimen was kindly donated by none other than the rough on the outside but kind-hearted on the inside, long time club member Bob Salter. I can only guess as to why he is giving up this Geological treasure and bit of Arizona's Geologic past. Perhaps it is to generate thousands of dollars for our well deserving club, or maybe he just needs to clean out his garage. Whatever the reason, we are very pleased to see it on the silent auction table.

...Silent Auction continued from page 15

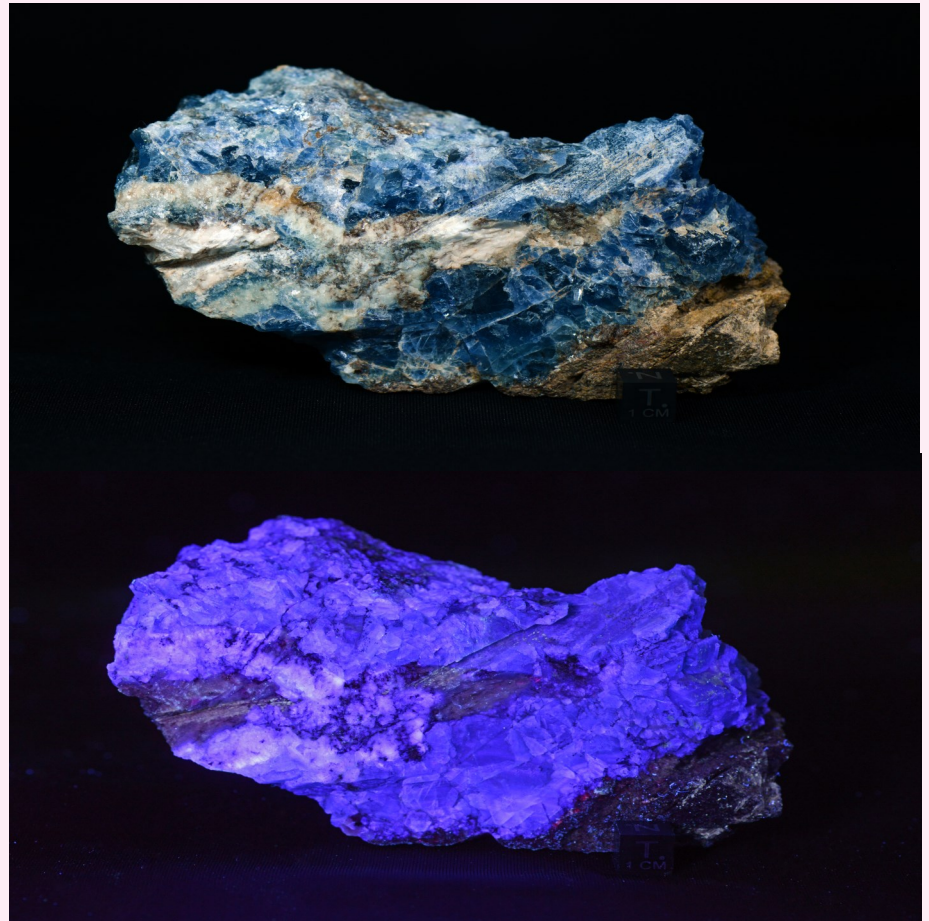
ITEM 3 VOLCANIC BOMB

This beauty is from Coconino County, Arizona. It is a beautifully streamlined piece of basalt, created from its fiery ejection and short fun-filled flight through the air. Be the first in your neighborhood to have this vintage piece of Geological history from Arizona. It makes an excellent conversation starter... "What's that on your table?" "Well, let me tell you..."



ITEM 4

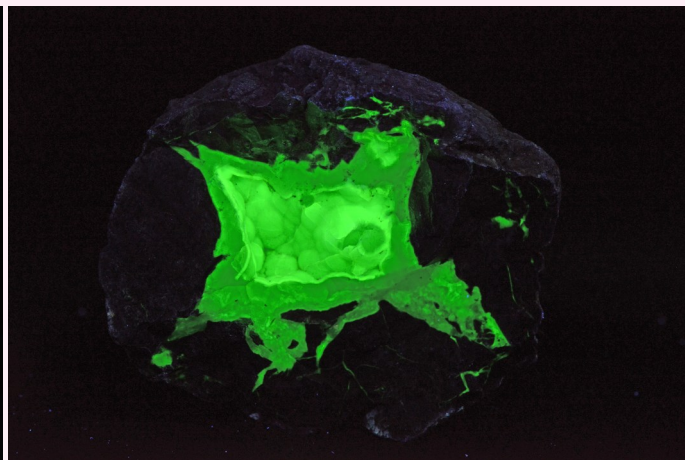
FLUORITE is another great mineral for you collection. This piece is doubly nice. First, it is a beautiful blue color mixed with veins of white quartz. Second, as shown in the bottom picture, it fluoresces nicely in long wave ultraviolet light (UVa). It was collected on a club field trip to the Spectrum Mine, Arizona. Compared to most of the nice blue pieces from the mine, this is a BIG one.



Silent Auction continued on page 17...

...Silent Auction continued from page 16

ITEM 5



NOT to be outdone in the fluorescent category is this **chalcedony-lined geode**, from a classic Arizona locality - Pott's Canyon. This lovely specimen produces a BRIGHT green glow under short wave ultraviolet light (UVC), as shown in the right image. This one was is "fresh", collected just a couple of weeks ago on a scouting trip with Bill Freese. There were lots of pieces of chalcedony lined geodes, but this is the only complete one I found. No Arizona fluorescent collection should be without a specimen from Pott's Canyon.



ITEM 6

From the Luna area in Arizona comes the next item. Last May (2022) the club visited the general area around Luna on a fantastic extended field trip. Beautiful scenery and lots of pine trees was enough to make the field trip a success. The added bonus was getting out into those mountains to find agate. This is a wonderful piece that displays a quartz crystal lined vug in that agate. But there's more... The top of the specimen is very "irregular". The pits and sharp ridges were produced when the agate covered **calcite** crystals. Where is

the calcite now? Even in rocks the environment changes. After the calcite crystals formed the nutrients in solution that created them switched to one that was rich in silica. More and more layers of silica were added. In some cases the process completely filled the vug, but not in this case. The last layer added consisted of beautifully clear, and sharp, quartz crystals. Sadly the change in the chemistry was detrimental to the already formed calcite crystals and they were dissolved into ions that were carried away by the aqueous solutions. But their existence is now recorded in rock as ghostly impressions of what was many years ago.

Bring plenty of **cash or checks (Tiffany can probably take a credit card)** to bid on these items.

Observe proper silent auction etiquette. Write your name so that I can read it (or print clearly, no initials). Write your name and bid amount below the last bidder's bid. No arrows pointing to your previous, but revised bid. The highest bidder and amount should be on the bottom of the bidding sheet. Also, HAVE FUN! (PLEASE, no crying if you lose, and that goes for the ladies too.)

UPCOMING FIELD TRIPS

Here is a general list of upcoming trips. Details will be emailed to the general membership.

Check your email of August 14, 2022 for the complete general field trip calendar.

October

Bronzesmith (Prescott Valley)- Thur 27th -- Tour of Foundry
Fossils (Payson Area) - Sat 29th

November

Red Cloud (Yuma)- Fri/Sat 4th & 5th -- Wulfenite, Vanadinite, Fluorescents FEE
Purple Passion (Wickenburg) - Wed 9th Wed -- Evening trip for Fluorescents FEE
Chilito Mine (with MSA) (Hayden) - Sat 19th -- Copper Minerals (chrysocolla, azurite, malachite, cuprite)
Hewitt Canyon - Wed 30th -- Pink/green Banded Marble

December

Blue Cube/Prism/Spectrum - Sat 3rd -- Fluorite, Amethyst
Christmas Party at Anthem Civic Center - Tues 6th
Saddle Mtn (Tonopah) - Wed 7th -- Chalcedony Roses

January

Mushroom Rhyolite (new claim) - Sat 7th
Quartzsite Club Day - Sat 21st -- Mineral Shopping
Oatman area - Fri-Sun 27th-29th -- Travertine, Lizardstone, Fire Agate, Oatman

DATES AND DESTINATIONS SUBJECT TO CHANGE

Bill and the field trip committee will be actively looking for productive spots for field trips. If you have any suggestions, you are encouraged to contact him at bfreese77@cox.net

Very clear, doubly terminated quartz crystals from Diamond Point, Gila Co, AZ Photo by Stan Celestian



FACEBOOK



Visit and join the club page periodically. See what is happening, and boost our visibility on the web. Go to: [The Daisy Mountain Rock and Mineral Club](https://www.facebook.com/daisyMountainRockandMineralClub). It is set up so you can post photos of outings or related items. Share with friends!

AWARD-WINNING WEBSITE

<http://www.dmrmc.com/>

If you have comments, contact Nancy Gallagher.

INSTAGRAM



Follow the club on Instagram. Go to <https://www.instagram.com/daisymountainrockclub/> and follow today. Share with friends!

Officers, Chairpersons, & Trustees

President: Ed Winbourne.....ewinbourne@gmail.com
Vice President: Bill Freese..... bfreese77@cox.net
Secretary: Rebecca Slosarik .. rslosarik1@gmail.com
Treasurer:...Deanne Gosse deanne.gosse@outlook.com
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Membership: Tiffany Poetsch tnpetsch@gmail.com
Editor: Susan Celestian.....azrocklady@gmail.com
Field Trip: Bill Freese ... bfreese77@cox.net
Mine Steward: Stan Celestian.stancelestian@gmail.com
Show Chair: Ed Winbourne
Trustees:

Susan C	Claudia M
Stan C	Tiffany P
Bob E	Don R
Nancy G	Howard R
Renee I	Johanna R
Gregg J	Bob S

Meetings are held the **1st Tuesday of the month** at the **Anthem Civic Building**, 3701 W Anthem Way, Anthem, AZ 85086. General meeting at 6:30 pm. We **do not meet in July or August.**

DMRMCLUB@GMAIL.COM

Membership Dues:
First year \$30, then \$20.00 Adults per Person
First year \$45, then \$25.00 Family (2 people)

Meeting Dates for 2022

Jan 4, Feb 1, Mar 1, Apr 5, May 3, June 7, Sept 6, Oct 4, Nov 1, Dec 6

FUTURE SPEAKERS

NOVEMBER: Stan Celestian, club member and retired geology instructor from Glendale Community College, Glendale, AZ.

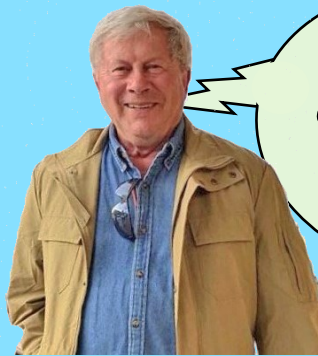
DECEMBER: Holiday Paraty

JANUARY: Swap and Sell

APRIL: Robert Hazen - Carnegie Institution, Washington D.C., via Zoom. He is a geologist and will speak on Mineral Evolution.

WORDS OF WISDOM

passed along by our own **Bob Evans**



I thought getting older would take longer

UPCOMING AZ MINERAL SHOWS

November 5-6 - Phoenix, AZ Mineralogical Society of Arizona; Radisson Hotel, Phoenix Airport, 427 N 44th St; Sat 9-5, Sun 9-4; Admission: \$1, 12 & under free. SEE [POSTER](#)

November 26-27 - Wickenburg, AZ Wickenburg Gem & Mineral Club; Wrangler Event Center at Hassayampa School, 251 S. Tegner St; Sat 9-5, Sun 10-4; Admission: Free. SEE [POSTER](#)

January 5-6 - Mesa, AZ Flagg Mineral Museum; Mesa Community College, NE corner of US 60 and Dobson Rd; 9-5; Admission: Free. SEE [POSTER](#)

If you are travelling, a good source of shows AND clubs is <http://the-vug.com/educate-and-inform/mineral-shows/> OR <http://www.rockngem.com/ShowDatesFiles/ShowDatesDisplayAll.php?ShowState=AZ> OR <https://www.rockandmineralshows.com/Location/?displayShows=true>

NEEDED: QUALITY MINERALS (or OTHER) DONATIONS WITH LABELS -- for monthly raffle and silent auction; and for raffle, door prizes, and sales tables at the annual show. If you have specimens to donate, please see Robin Shannon. The Daisy Mountain Rock and Mineral Club is a 501(c)(3) non-profit organization, and will gratefully acknowledge your donation with a Tax Deduction Letter. Thank You!

NOTE FROM THE EDITOR

Have a geological interest? Been somewhere interesting? Have pictures from a club trip? Collected some great material? Send us pictures -- or write a short story (pictures would be great).

Deadline for the newsletter is the 22nd of the month.

Mail or Email submissions to:
Susan Celestian
6415 N 183rd Av
Waddell, AZ 85355
azrocklady@gmail.com



Visit <http://rmfms.org/> for news about conventions, events, and associated clubs. If you are travelling, you might want to contact a club local to your destination. Maybe they have a field trip you could join, while in town.

NORTH MT OPEN STUDIO

North Mt Visitor Center, 12950 N 7th St, Phoenix, AZ

You are invited to NMVC Studio. Lapidary Classes every Wednesday & Silversmithing Classes on Saturdays — email Shirley Cote for details. For ONLY those people who have taken lapidary or silversmithing classes — Lapidary Open Studio every Monday, and Silversmithing &/or Lapidary Open Studio every Thursday (and designated Saturdays). Face masks optional.

TIMES: from 9:00 to noon with cleanup starting at 11:50.

Only 4 people can sign up, and must do so for the full three hours that the shop will be open each day. First come, first served. Usage fee is \$8/hour.

Notice: Please bring your own towels, polishing compounds and buffing wheels as they will no longer be provided.

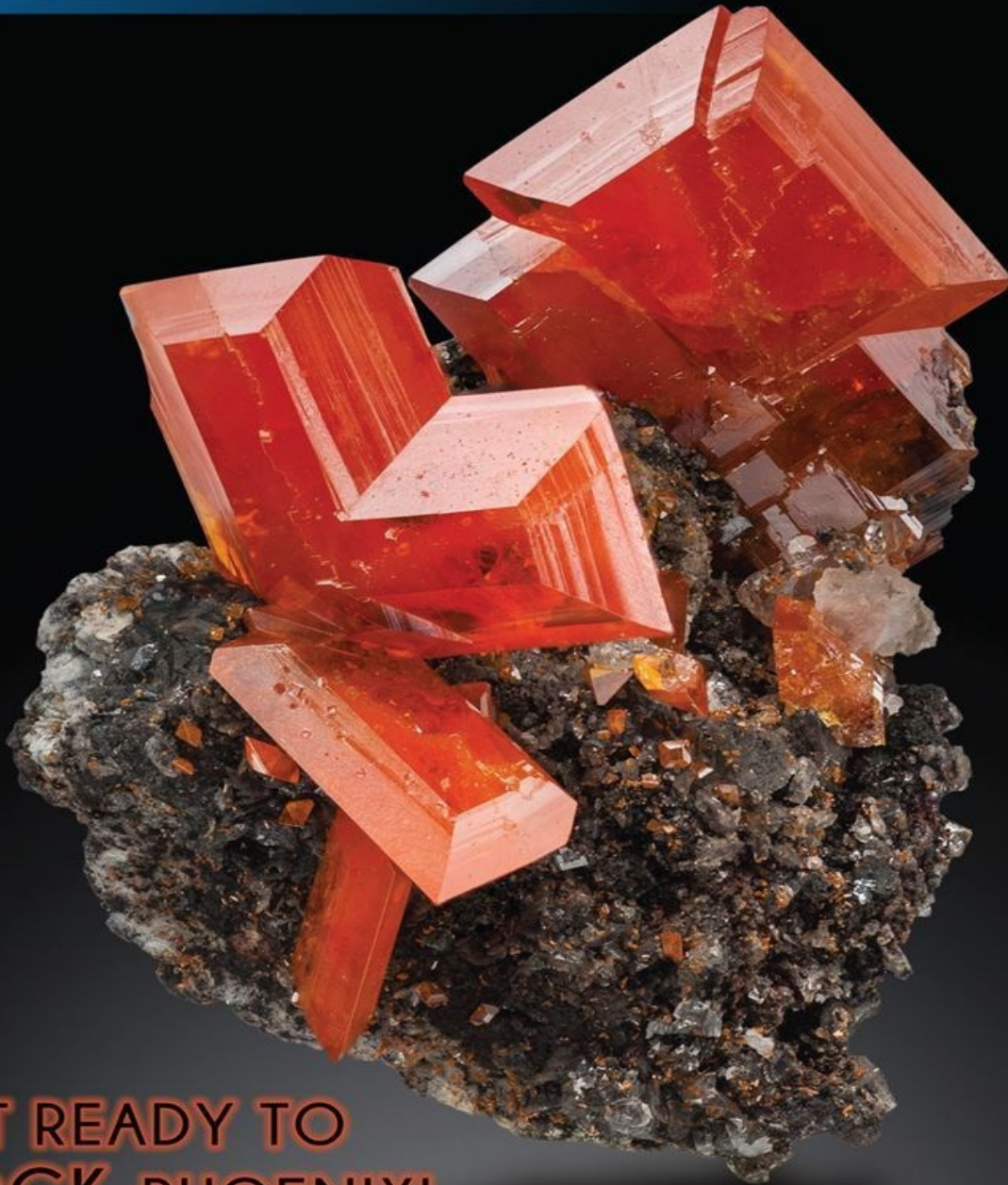
Please arrive no later than 8:45 a.m. The center may closed to the public at 10.

Email your request for the day(s) you are interested in participating ASAP. Email Shirley Cote at: crystalc17@gmail.com

If more than four people wish to participate on the same day, please expect to be bumped or rotated to another day as efforts to accommodate everyone will be taken (possibly 6 people if 2 are silversmithing only).



The 2nd PHOENIX HERITAGE GEM & MINERAL SHOW



GET READY TO ROCK PHOENIX!



NOV 5 and 6 2022

RADISSON HOTEL PHOENIX AIRPORT
427 NORTH 44TH STREET | PHOENIX, AZ 85008

Saturday 9am – 5pm | Sunday 9am – 4pm

WULFENITE, "Official AZ Campaign Wulfenite"
Red Cloud Mine, La Paz County, Arizona, USA
3.9cm - Evan Jones Collection - Jeff Scovil Photo

Admission: **\$1 CASH**
ATM Available

FREE 12 years and younger

Larger Show Featuring: Minerals,
Kids Activities, Exhibits, Saturday Night
Dinner with Program and Auctions

msaaz.org

Wickenburg Gem and Mineral Show Nov 26 & 27, 2022



Free Admission

Jewelry

Fossils

Minerals

Gems



Over 40 Vendors Best Rock Contest Raffle
Door Prizes Kid's Area Silent Auction

Hassayampa Elementary School
251 South Tegner Street Wickenburg, AZ
9am - 5pm Saturday • 10am - 4pm Sunday

50TH ANNUAL FLAGG GEM & MINERAL SHOW



GOLD - QUARTZSITE, LA PAZ COUNTY, ARIZONA
U OF A MINERAL MUSEUM COLLECTION
PHOTO CREDIT: JEFF SCOVIL
2.2CM HIGH

JAN 6 to 8
2023



MESA COMMUNITY COLLEGE
NE CORNER OF US 60 AND
DOBSON ROAD | 9AM - 5PM



FLAGG
MINERAL
FOUNDATION

The Tailgate Show
Tradition Continues!

FREE Parking
FREE Admission
FREE Samples for Kids
www.Flaggshow.info