

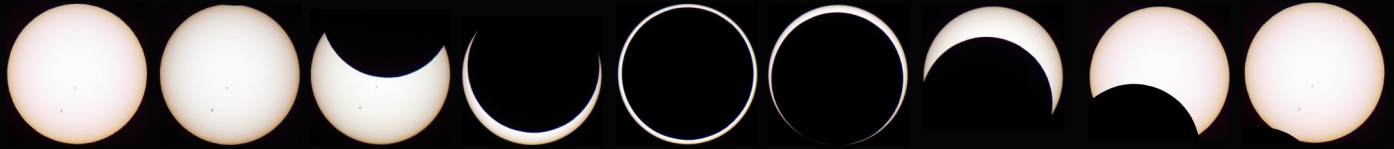


DAISY MOUNTAIN ROCKCHIPS

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.

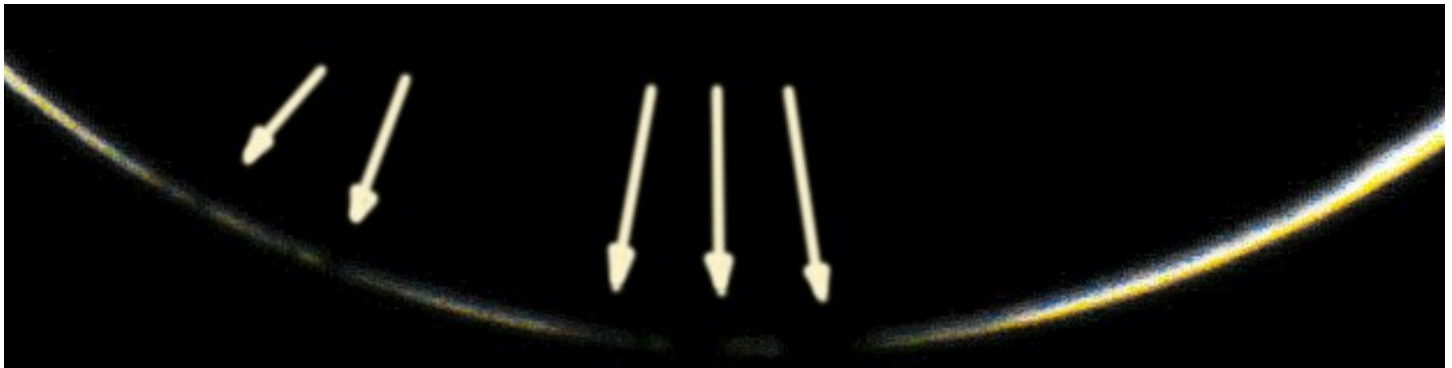
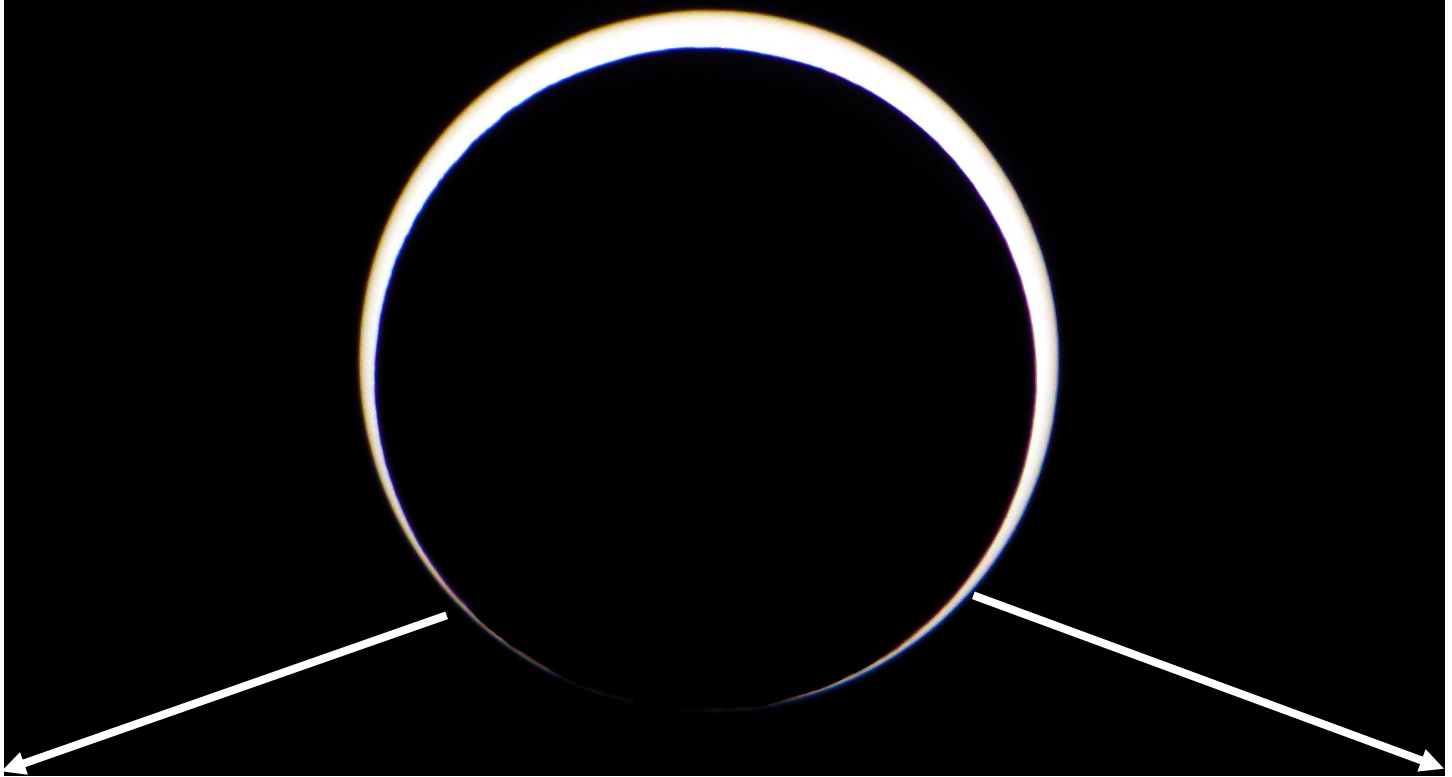
VOLUME 8, ISSUE 9

OCTOBER 2023



ANNULAR ECLIPSE aka RING OF FIRE OCTOBER 14, 2023

A bit of space — as a teaser for November's program.



The lower image is a close-up view of the Moon, just as it approached the edge of the solar disk. Notice that the line of the Sun is not continuous, but is broken up by alternating light & dark areas. This is because there are mountains or highlands on the Moon, crossing the edge of the solar disc before the main body of the Moon.

How cool is that!?

Photos by Stan Celestian



YAVAPAIITE

By Susan Celestian

Approved in 1959 as a new mineral species, Yavapaiite (whose name derives from the Yavapai tribe that occupied that area) is, in Arizona, found only in the United Verde Mine at Jerome, Arizona.

It formed as a secondary mineral in a mine fire, within a pyrite-rich body, that started in 1894 and burned for nearly 30 years (it was finally extinguished when the mine was open pitted). The mine is the type locality for this mineral, and it has been discovered in Kentucky, Argentina, Italy, Poland, China and Russia (Kudriavi Volcano).

Chemical Formula - $KFe(SO_4)_2$

Crystal System - Monoclinic (Go to <https://sketchfab.com/3d-models/monoclinic-prism-08a494d90d8941758ab0b97dd8f22809>

for interactive image.)

Growth Forms/Habits - prismatic (stout to slender), acicular, fibrous, botryoidal, granular, massive

Hardness - 2.5-3

Luster - Vitreous, sub-adamantine

Streak - White to pale yellow

Color - Pale, purplish pink

Diaphaneity - Transparent

Specific Gravity - 2.88

Cleavage - Perfect in 2 directions, distinct in a third

Fracture - Uneven, sub-conchoidal



YAVAPAIITE from Alcaparrosa Mine, Sierra Gorda, Antofagasta Province, Antofagasta Region, Chile. Photo from Joy Desor Mineralanalytik on [e-Rocks](https://www.e-rocks.com) (.5x.5x.3 inch), with permission.



YAVAPAIITE from Vulcano Island, Messina Province, Sicily, Italy, Photo from Mintreasure.com on [e-Rocks](https://www.e-rocks.com) (2x2x1 inch), with permission.

SAVE THE DATE!

ANTHEM SHOW

March 2-3, 2024

Anthem Elementary

VOLUNTEERS WILL BE NEEDED!!!

Proceeds pay for annual scholarship, meeting rooms, club events, and more.....

INSIDE THIS ISSUE

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

Yavapaiite	2
Speaker: Evan Jones : Paramelaconite	3
Wire Wrapping	4
Christmas Raffle—Amethyst Cathedral	5
Field Trips: Bronzesmith , Diamond Pt , Stawberry , Robert's Mesa , Superior	6-10
November Speaker Bio: Stan Celestian	11
Geo Mini: Mineral—Hardness	12
Board & General Meeting Minutes	13-18
Announcements , Show List , Words of Wisdom	19
Club Information , Field Trip Schedule ; Upcoming Speakers	20-25

OCTOBER SPEAKER

Paramelaconite from Bisbee, Cochise County, Arizona

TYPE LOCALITY: Holbrook Mine (Holbrook shaft), Copper Queen Mine (Halero Mine), Queen Hill

By Evan Jones

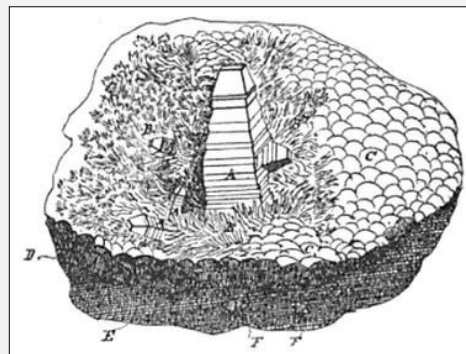


Evan gave a very interesting talk about the discovery and history of the very few paramelaconite specimens found in the Copper Queen Mine in Bisbee, Arizona.

- * It is an exceedingly rare copper oxide species.
- * It was first found in Bisbee in the late 1880's, and NO subsequent specimens have been discovered there.
- * Only 2 specimens of any significance were recovered, both with relatively large euhedral crystals.
- * Identified as a species in 1891.
- * There have been subsequent finds in Michigan, Mexico, and D.R. Congo, but none of the quality from Bisbee.
- * The species have acquired near-mythical status among rare species collectors and Bisbee specialists.

FORMULA - $\text{Cu}^{1+}_2\text{Cu}^{2+}_2\text{O}_3$ **COLOR** - Black, Black with purple tint**LUSTER** - Sub-adamantine, Greasy, Sub-metallic**DIAPHANEITY** - Opaque**STREAK** - Brown-black**HARDNESS** - 4.5**SPECIFIC GRAVITY** - 5.9-6.04**CRYSTAL SYSTEM** - Tetragonal**CLEAVAGE** - None**FRACTURE** - Conchoidal

PARAMELACONITE FROM THE CZAR MINE FROM THE EVAN JONES COLLECTION. This specimen is 1" high.
Photo by Jeff Scovil.



PARAMELACONITE on LIMONITE, COPPER QUEEN MINE Drawing by George Augustus Koenig and from the 1892 Proceedings of the Academy of Natural Sciences of Philadelphia; Public Domain

WIRE WRAPPING

INSTRUCTOR — Rebecca Noel

CLASS DATE: on the 1st Tuesday

CLASS TIME: 4:30-6:15

CLASS PLACE: Anthem Civic Center, 3701 W Anthem Way

Monthly meetings are prior to the general club meeting. Great class for beginner to advanced . Come and wire wrap with friends!!!

GENERAL RULE: Bring a cabochon or other stone, 20 and 26 gauge copper-based wire, round nose pliers, flush cutters, and any other tools you might use.

MONTHLY PROJECT PARTICULARS will be posted on the DMRMC [Facebook](#) page.

*If you want to try it out, the club has 4 sets of tools and wire that you may borrow during a class. If you like it, you can then purchase your own supplies.

The class is free; however tips are always welcome. All teachers are unpaid volunteers so the tips go towards gas and supplies to make things more fun for you!

OCTOBER PROJECT



Photos by Rebecca Noel

NOVEMBER PROJECT

The wire wrapping project for November is a coiled cage for tumbled stones. Students will want to, but don't have to, bring several small to medium-sized tumbled stones, 18-gauge round wire, wire cutters, round and flat nose pliers and a smile !

EXAMPLES BELOW:



Photo by Rebecca Noel

SPECIAL CHRISTMAS RAFFLE

This year the DMRMC Board is offering a special raffle opportunity — one that will run from September until the Christmas Meeting in December.

Tickets will be sold at each meeting. They are \$1 per ticket, or 12 for \$10.

The specimen is a gorgeous Amethyst Cathedral from Brazil, with a retail value of at least \$400.

Remember, all proceeds help support club activities.



FIELD TRIP to BRONZESMITH

Thursday, October 12, 2023

Photos & text by Bill Freese

Hey Everyone, the DMRMC had a trip on Thursday to a cool (interesting) spot that we do every October. It is called the Bronzsmith and it is a foundry for many artists around the country. It is one of those places up in Prescott Valley you have to see at least once. I had 13 folks for the tour and all were very excited when they left. The tour takes you through the whole process with some very exciting steps. Check out the website <https://bronzsmith.com/> to find out more.



"the pour"



Field trips continued on page 7...

...Field trips continued from page 6

FIELD TRIP to DIAMOND POINT

Saturday, October 14, 2023

Photos & text by Bill Freese

Hi Rockhounds, I did not get many pics from this trip as people scattered about. The MSA club had a trip on Saturday to Diamond Point, east of Payson and DMRMC was invited to go along. We ended up with 42 people as far as I can tell. We started the trip by watching the eclipse. We were there at the perfect time. It was cool! We piled into our vehicles and drove back to a new area off the Diamond Point trail.



Field trips continued on page 8,...

...Field trips continued from page 7

FIELD TRIP to STRAWBERRY AREA

Saturday, October 21, 2023

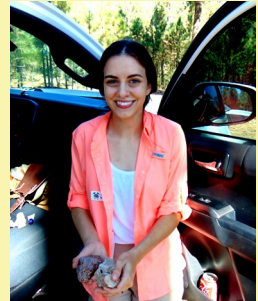
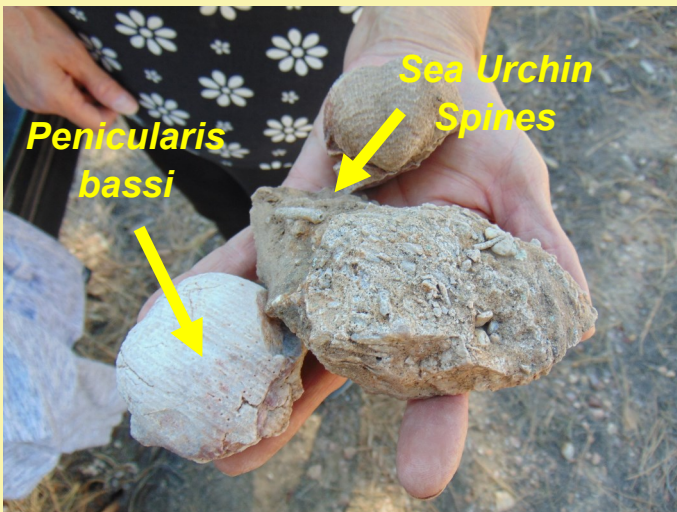
Photos & text by Bill Freese

Hi everyone, the DMRMC had a trip on Saturday to a site north of Strawberry for fossils. Even after many cancellations, we still had 13 folks out in the beautiful pines for a fossil hunt. Everyone found some great specimens.



Lots of *Penicularis bassi* — a productid brachiopod that was covered with spines in real life. Spines that helped it not sink into soft mud.

There are lots of small (some tiny) quartz geodes in the Kaibab. Maybe they were formed around dead and decaying creatures.



Do you want to identify your Kaibab fossils — of Permian age? Go to Sue's [Flickr](#) site for a pictorial key to Kaibab fossil identification. There are 2 pages to the key. Feel free to print it out for future reference.

Field trips continued on page 9...

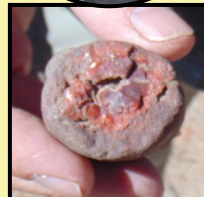
...Field trips continued from page 8

FIELD TRIP to ROBERTS MESA

Wednesday, October 25, 2023

Photos & test by Bill Freese

The DMRMC had a mid-week trip to Roberts Mesa, east of Payson. There were 11 folks who joined me for some beautiful agate in many shades of red, yellow, orange and white. The pictures do not do it justice. The weather was absolutely perfect. Everyone got plenty of treasures to take home. Maybe we will get some pics of the cleaned/finished pieces.



Field trips continued on page 10,...

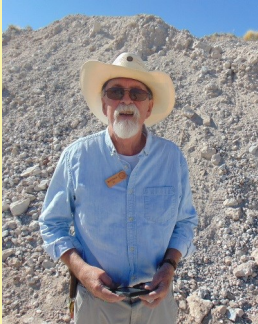
...Field trips continued from page 9

FIELD TRIP to SUPERIOR

Saturday, October 28, 2023

Photos by Bill Freese & Ed Winbourne, text by Bill Freese

Hey Everyone, the DMRMC had a great field trip on Saturday. We had DMRMC, Payson Rimstones, and the Coolidge clubs all out to Superior for Apache Tears. The mine folks are great hosts - Thanks Drew! We had nearly 50 people all out scouring the mine for those little black nuggets. The weather was great and all found tons of tears to take home. Another great trip.



Apache
Tears



Perlite



OBIDIAN

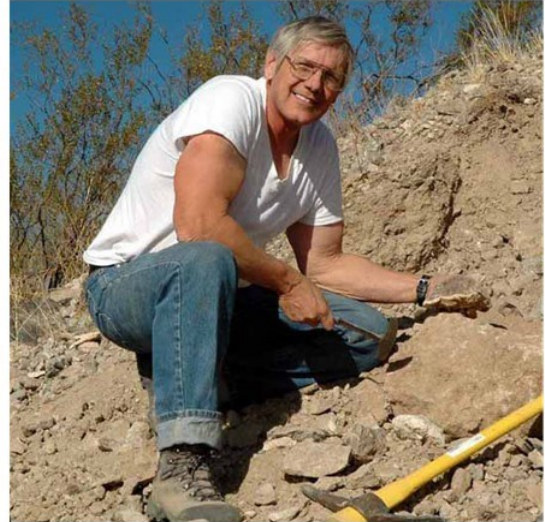
FIRE-
FORMED

MOTHER LODE



MEET OUR NOVEMBER SPEAKER – STAN CELESTIAN

Stan hails from Oswego, New York, which is on the southern shore of Lake Ontario. Not an especially bright lad, he struggled through high school. His motto was “If it’s nice outside, that’s where I need to be.” As a result he was a healthy, active youth, with only mediocre grades. The only bright spots were Earth Science and Math, and he excelled in both. After squeaking through high school, it was “off” to his hometown college. After a few slaps in the face with poor grades, he hit his stride with Geology. He had found his purpose in life! He aced his Geology classes and decided to further his education by going to Northern Arizona University. A major distraction presented itself in the form of ice hockey. He became the captain of the NAU Lumberjacks hockey team. He then took a year off from graduate school to find himself and worked at a golf course. He contemplated two choices — ice hockey at the Waterloo Black Hawks, Iowa (a semi-pro team) or become an assistant golf pro in central New York. He loved both, but in the end golf won out, and he joined the staff at Lakeshore Yacht and Country Club. There he learned a vital lesson: Golf was fun, but he needed a real job. It was back to NAU to finish his Master’s Degree. Upon his return, he met Susan Myers another Geology graduate student, from Indiana. She was as focused as a laser beam on a career in Geology, but despite that, the two hit it off immediately and were soon wed. While at NAU both earned their Master/s Degrees in Geology. Stan landed a job at Glendale Community College and began teaching a variety of Geology classes, including Physical Geology, Historical Geology, Mineralogy, Geology of Western National Parks and Field Studies. He also taught Physics and GOLF !



Not to become stagnant in his profession, he went back to school for Astronomy classes, an interest he had since childhood. He enrolled at nearby Arizona State University West Campus and completed graduate classes in Cosmology I and II, Astrophysics I and II, Solar Magnetic Fields, The Evolution of Stars, and Planetary Geology. He earned enough graduate credit to obtain his Astronomy teaching certification. He then proceeded to teach the Astronomy and Geology classes at Glendale Community college, as well as Western Baptist University, Embrey Riddle Aeronautical University, along with Life Long Learning classes for Arizona State University. Stan also became the first of NASA’s Arizona Ambassador to Jupiter, and then later NASA’s Arizona Ambassador to the Solar System.

Now retired, Stan still enjoys public speaking at the various rockhounding clubs in Arizona. In his free time, Geology is his driving force. He and his fetching wife, Susan, often go out, not only to collect rocks, minerals and fossils, but to engage in the Geologic phenomena so abundant in the southwestern United States — or anywhere the wind may blow them. Attendant upon their love of the natural world, both are avid photographers.

Stan’s presentation at the November meeting is entitled: “The Formation of the Earth... and the Rest of the Solar System”. The talk has elements of cosmology, stellar evolution, solar system evolution and of course the formation of Earth. presentation.



NASA: Earthrise Over the Moon

Bring your curiosity and attend this “Most Excellent”

GEO MINI MINERAL ID: Hardness

We all find specimens, the identity of which is uncertain. If it is a mineral (not a rock, that is generally made up of 2 or more minerals), there are some really simple ways to start to zero in on the identity, to at least give one some information that will help in the search for the answer.

Minerals exhibit a number of physical properties that are consistent throughout the species, no matter what form they take. They are a reflection of the atomic structure/bonding. Most are readily tested with inexpensive (or free) and very portable equipment. Every rockhound should tote a small kit into the field, or have it handy at home. This Geo-Mini series will go through the physical properties and requisite equipment.

The first of the diagnostic physical characteristics is **HARDNESS**. Hardness is the resistance of a mineral to scratching. A mineral with a low hardness abrades easily and is dubbed "soft". Conversely, a mineral with a high hardness will be resistant to scratching and is dubbed "hard". In general, the stronger the atomic bonding, the greater the hardness.

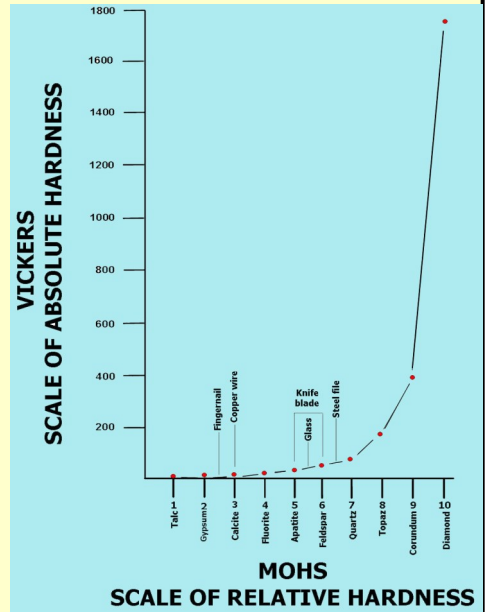
In 1812, in order to "quantify" hardness, Frederick Mohs (a German mineralogist) devised Mohs Scale of Hardness. The scale, BELOW, is based on 10 fairly common minerals to represent hardness values of 1 to 10, with 1 being the softest, and 10 the hardest. The hardness of all minerals ay be compared to these ten.

Mohs Scale of Hardness	
1	Talc
2	Gypsum
2.5	Fingernail ←
3	Calcite
3	Copper Wire ←
4	Fluorite
5	Apatite
5.5	Glass ←
6	Feldspar
6-6.5	Steel file ←
7	Quartz
8	Topaz
9	Corundum
10	Diamond

NOTE: Some common materials (glass, copper wire, fingernail, steel file) were inserted. These are readily available and provide useful additional reference points.

NOTE: Mohs scale is not based on any mathematical progression. It is a *RELATIVE SCALE* — The minerals have been arbitrarily chosen (as they are easily obtained) in a random progression of increasing hardness. 2 is harder than 1, 3 is harder than 2, and so on.

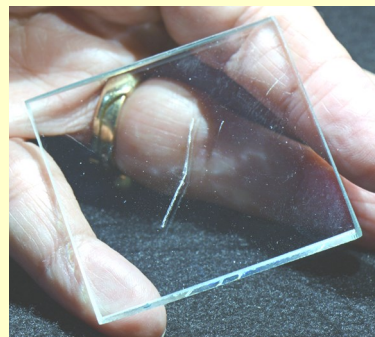
The Vickers Scale (RIGHT) is an *ABSOLUTE SCALE*, based on the depth of the indentation produced on the tested mineral, at a specific level of pressure. This graph, compares the Vickers to the Mohs Scale. Note that on the Vickers



Scale, diamond is about 1800X harder than talc!

TO TEST: To test a mineral for hardness, you can try to scratch a substance of known hardness (A) with the unknown (B) or vice versa. If B scratches A, then B is harder than A. In other words, the material scratched is softer than the one doing the scratching. **Always scratch with a sharp point and always scratch a fresh surface.**

A glass plate makes an ideal material for an initial test, because it is flat and smooth, and its hardness of 5.5 is essentially right in the middle of Mohs Scale of Hardness. For safety, when using a glass plate, place the glass on a hard, flat surface and firmly press (with 1-2 pounds of pressure) to try to scratch the glass with the unknown mineral. Wipe off any powder and look closely to determine whether the glass has been scratched (it might be very subtle).



Here is a glass plate that has been scratched by quartz. Quartz is much harder than glass and makes a distinct scratch on the glass plate.

[VIDEO](#)

BOARD MEETING MINUTES**October 4, 2023**

- In attendance: Bill F., Bob S., Claudia M., Deanne G., Don R., Ed W., Gregg J., Jessie C., Johanna R., Rebecca S., Renee I., Stan C., and Tiffany P.
- Bill F. called the meeting to order
- September meeting minutes accepted
 - Unanimously approved
- Bill F. – Insurance coverage
 - Costs the club \$1,700 for the whole year
 - 1 is liability insurance for the board
- Rebecca S. – Program Evaluation
 - Plan is being edited right now
 - The survey questions are being compiled
 - Will ask the members what questions they would like to see
- Deanne G. – Financials
 - Club in good standing
 - Insurance refund came in
- Ed W. – Investments
 - Fidelity
 - 4.99% interest
 - \$20K/year = +\$89/month
 - \$30K/year = +\$133/month
 - 2 funds recommended for 501(c)3 = business account
 - Fidelity govt market
 - Fidelity money market
 - Money is liquid and can be pulled out of the account
 - Does not charge a fee
 - Proposal to invest \$30k in 1 or both markets above
 - All in favor – motion accepted
 - Deanne G. will make sure we have enough for the show expenses
 - Our savings account makes ~1% interest
 - Makes about \$5-6/month only
- Claudia M. – Scholarships
 - Scholarship money investments for college students
 - Proposed to make 2, \$2,000 scholarships for 2024
 - Motion approved, 12 for and 1 opposed
 - Cost was the opposition
 - The board can always reevaluate investment
 - Proposed to have both come out of general fund
 - Motion approved unanimously
 - Scholarship money investments for high school students
 - Comes out of general club fund
 - Did not have any students that were acceptable last year
 - If this happens again this year, we will save the money for next year

...Minutes continued from page 13

- Claudia M. – Promotional Items
 - Tote bags cost the club ~\$6
 - Motion to charge \$15/bag
 - Accepted, 12 for and 1 opposed
 - One opposed wanted \$20/bag
- Tiffany P. – Membership
 - There are 400 members currently
- Jeff B. – Claim’s Committee
 - Jeff was not able to make the board meeting
 - He is leading the party
 - He is getting the claim ready for the BBQ party
 - Members please bring your own side dish
 - Club will provide burgers and drinks
 - RSVP through email as if it is a field trip
- Bill F. – Field Trip Committee
 - Holiday party Dec. 5th
 - Need volunteers for food vendors
 - Need suggestions
 - Will have to get ahold of food vendor early
 - Board needs to approve budget, last year spent \$2k
 - Motion to approve for \$2k for supplies
 - Unanimously approved
 - Need to find out the maximum capacity of large room
 - Will also have a table for the silent auction
 - Tiffany P. volunteered to run the party
 - Stan C. will run the silent auction
 - Jessie C. will help with the party
 - Ed W. will help with the party
- Gregg J. – Safety Committee
 - CPR class details sent to board in email
 - \$30/student plus \$100 for travel +\$75/another teacher
 - 10min, 20max
 - Over 10 ppl, another teacher is needed
 - Only have tues or sat
 - Saturday not good idea because that’s when field trips are
 - Company only has certain dates available
 - Club willing to pay for class
 - Extend out to field trip committee first
 - Then open to members
 - This will be reserved for adults
 - Gregg will setup CPR class

Minutes continued on page 15,...

...Minutes continued from page 14

- Bill F. – DMRMC Show
 - ~175 posters have been ordered
 - New ticket pricing on them
 - Half in one visual, half in the other visual option provided by Stan
 - Will send to other shows
 - Quarter sheets will be made soon
 - Will have less than last year made
 - Vendors have been sent email about show
 - There is one conflict with Apache Junction show
 - This could cause some changes in vendors
 - New vendors are asking to be added to show
 - Don R. suggested adding a demo for cabochons
 - We could ask Rebecca N. to do a wire wrapping demo
 - They were cutting geodes at the club sales last year
 - Will do this again this year
- Upcoming meetings
 - Next month – Speaker Stan C.
 - Meeting for December will only be holiday party
 - February rattlesnakes' solutions
 - March or April – Speaker Sue C.
 - May – Rebecca S. Program evaluation
- Kid's Program
 - Chris F. said he would volunteer
 - Will need someone else to volunteer with him before this can work
 - There is a kids program they can use as a guide
 - From Rocky Mountain Federation (RMF)
- Canned food drive being collected today and next month
- Silent auction items by Stan C.
 - Great options
- Amethyst cathedral at meeting
 - Special raffle item to be awarded at holiday party
- Meeting adjourned

Respectfully submitted,

Rebecca Slosarik

...Minutes continued from page 15

GENERAL MEETING MINUTES

October 4, 2023

- In attendance: about 56 members, 1 youth
- Claudia M. received rockhound of the year
 - Thank you for everything you do
 - Proponent in giving scholarship, promotional items, talks at STEM nights, works on kids' corner, implementing volunteer handbook, helps with snacks, works on the storage facility, created volunteer rewards, ran the show last year, helps with the holiday party and spring party, and suggests classes and takes them herself!
 - Busy woman who deserves the reward
- Speaker tonight – Evan Jones
 - Paramelaconite from Bisbee, AZ very rare specimen
 - Copper oxide specimen
 - Identified as new specimen in 1880s
 - Then found in Michigan 1962, Mexico 2009, DR Congo (2018)
 - Could be found in Czar mine
 - Tetragonal crystal Cu_{2+1}, Cu_{2+2}, O_3
 - Seems to occur in cuprite masses almost exclusively
 - Might be used as superconductor due to ions
 - Could be made in lab
 - Thank you, Evan for that exceptional presentation
- Raffle presented by Robin S., Deanne G., and Rebecca S.
 - Made the club \$130
- Welcome newcomers
 - Previous show – club was recommended by word of mouth
 - Google (2) – web searches
- Rebecca S. – Program Evaluation
 - Let her know if you would like to see a certain question on the survey
 - Will try to accommodate everyone's ideas
- Deanne G. – Financials
 - Club in good standing
 - Scholarship for 2024 raised to two scholarships for \$2k/ea.
- Holiday Party
 - Dec 5th at Anthem Civic Building in large room
 - Need volunteers for food vendors
 - Tiffany P. is leader, go see her if you would like to help
- Jeff B. – Claim's Committee
 - Nov. 11th BBQ party
 - Jeff is leading the party
 - Still considered field trip so RSVP to that email
 - Bring your own side dish
 - Club will provide some food

Minutes continued on page 17.,.,.,.

...Minutes continued from page 16

- Bill F. – Field Trip Committee
 - 3 trips in September
 - Zebra jasper with MSA (34 ppl)
 - Obsidian Parks, AZ (22 ppl)
 - Even had lobster mushrooms at the site
 - Paleo site
 - Some field trips have been added to the schedule
 - Busy season is about to begin
 - 5 trips for October
 - 12th bronzesmith foundry currently full
 - 25th Wednesday trip for agate
 - Steps for field trips
 - Wait for email with each trip's details
 - Vehicle specifications, road conditions, specific locations
 - Reply (not all) and RSVP
 - Give names of all attendees and any youths
 - Give cell phone number
 - Give vehicle type (4x4, 2-wheel, rough terrain)
 - Always wear name tags
 - Many trips for November
 - Red Cloud overnight trip 3-5th
 - About 5-hour drive
- 2024 RMF Convention in OK City
 - Need delegates to go and vote
- Tiffany P. – Membership
 - At 400 members currently
- Claudia M. – Show, promotional items, food drive, volunteer hours
 - Food drive collection in back
 - Bring for November meeting
 - Donated to Foothills Food Bank
 - We are making donations to Foothills Food Bank and St. Mary's
 - Have maps to purchase of geological formations of AZ
 - \$8/map
 - Kid's corner rocks numbered
 - If you volunteer, you get free item
 - Will have more next year
 - Promotional item for volunteers
 - This year is a cross body tote bag with DMRMC logo on it
 - Show is March 2-3 March 1 is setup
 - Flyers being made
 - Posters have been made
 - Will be posted at shows

Minutes continued on page 18.,.,.,

...Minutes continued from page 17

- Tom E. vendor leader
 - Will send out email to vendors soon
 - Given to previous years vendors first
 - There is a waiting list for other vendors
 - Tables and chairs ordered
- Volunteer sheets
 - Please fill out for Claudia M. for this year for free items
 - Fill out all hours helping club
 - Rebecca S. would like the last 3 years info for evaluation
- Gregg J. – Safety Committee
 - Left early, did not speak in general meeting
 - CPR class
 - Field trip committee gets first openings
 - Will be sent email with details
- Club guides
 - They are wearing a green “Guide” badge
 - Ambassadors for club
 - Can help with any questions
- Rebecca N. – Wire Wrapping Class
 - Anyone is welcome to come
 - Club has extra material/supplies if you don’t have any
 - About 8 people at the class today
- Next meeting Tues Nov. 7th Stan C.
 - The formation of the Earth
- December meeting will be holiday party
 - No raffle for this meeting
 - Might have silent auction
- Amethyst cathedral special raffle item available in back
 - \$1/ 1 ticket or \$10/ 12 tickets
 - Will be awarded at holiday party
- Always wear your badge to all club events
 - See Tiffany P. in the back if you need one
 - Typically receive them by the next general meeting
- Silent Auction presented by Stan C.
 - Made the club \$92
- Meeting adjourned

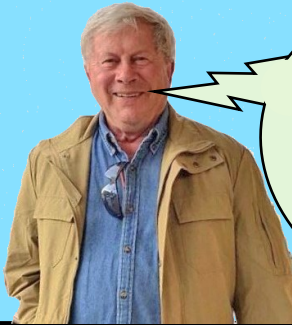
Respectfully submitted,

Rebecca Slosarik

WORDS OF WISDOM

passed along by our own

Bob Evans



Arguing with a woman is like reading the Software License Agreement.
In the end, you ignore everything and click "I agree".

UPCOMING AZ MINERAL SHOWS

November 11-12 - Lake Havasu, AZ Lake Havasu Gem & Mineral Society; Aquatic Center, 100 Park Av; Sat 9-5, Sun 9-4; Admission: Adults \$2, 12 and under free.

November 25-26 - Wickenburg, AZ Wickenburg Gem & Mineral Society; Wrangler Event Center, 251 S Tegner St; Sat 9-5, Sun 10-4; Admission: Free. [SEE POSTER PAGE 18](#)

JANUARY 5-7 - Mesa, AZ Flagg Mineral Foundation; Mesa Community College, 1833 W Southern Ave; Daily 9-5; Admission: Free. [SEE POSTER PAGE 20](#)

JANUARY 1-FEBRUARY 28 - Quartzsite, AZ Desert Gardens, 1055 Kuehn St; Admission: Free.

JANUARY 5-14 - Quartzsite, AZ Tyson Wells Show; 121 W Kuehn St; Admission: Free.

For additional Quartzsite show dates go [here](#).

JANUARY 17-21 - Quartzsite, AZ Pow Wow; 225 E Ironwood; Daily 9-5; Admission: Free

FEBRUARY 8-11 - Tucson, AZ Tucson Gem & Mineral Society; Tucson Convention Center, 260 S Church St; Th-Sat 10-6, Sun 10-4; Admission: \$13. [SEE POSTER PAGE 21](#) For complete schedule of the many pre-main shows in Tucson go [here](#).

MARCH 2-3 - Anthem, AZ Daisy Mountain Rock & Mineral Club; Anthem Elementary, 41020 Freedom Way; Sat 9-5, Sun 10-4; Admission: Adults \$5, Seniors, Vets, Students \$4, under 12 free. [SEE POSTER PAGE 22](#)

MARCH 1-3 - Mesa, AZ Apache Junction Rock & Gem Club; Mesa Community College, 1401 S Dobson Rd; Daily TBA; Admission TBA

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).

UPCOMING FIELD TRIPS

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

November

- Club Claim - 11th Sat - Mushroom Rhyolite, PICNIC
- Sycamore Creek - 15th Wed - RED Jasper
- Round Mt - 17-19th Fri-Sun - Fire Agate, Desert Roses, Chalcedony-lined Geodes
- Chilito Mine - 29th Wed - Copper Minerals
- Purple Passion - 30th Thurs - Fluorescents (EVENING)

December

- Planet Mine - 1st-3rd - Hematite, Chrysocolla, others
- Blue Cube/Spectrum/Prism Mines - 6th Wed - Fluorite
- Rowley Mine - 16th Sat - Chrysocolla, Wulfenite
- Burro Creek - 30th Wed - Cool Chert

January

- Brenda Area—3rd Wed - Jasper (plume possible)
- 4th of July - 17th Wed - Chalcedony, Fire Agate
- Quartzsite Show - 20th Sat - Shopping
- Contact Mine - 27th Sat - Amethyst

February

- Club Claim - 7th Wed - Mushroom Rhyolite
- Superior - 17th Sat - Apache Tears, Perlite
- Tangle Creek - 21st Wed - Travertine

March

- Wendon - 6th Wed - Mable
- San Carlos - 16th Sat - Peridot
- Reserve Bank Mine - 20th Wed - Tour, Copper Minerals
- Dave Haneline Mine - 30th Sat - Barite, Lead Minerals

April

- Hewitt Canyon - 3rd Wed - Green/Pink Marble
- Camp Verde - 17th Wed - Lost Onyx Mine

DATES AND DESTINATIONS SUBJECT TO CHANGE

WATCH FOR EMAILS WITH DETAILS

FUTURE SPEAKERS

- November - Stan Celestian: The Formation of the Earth
- December - Christmas Party
- January - Dr. Barbara Johns, U of Wyoming: Deep Sea Drilling in the Atlantic

Material in *Rockchips* may be reprinted by nonprofit organizations (unless permission is denied in the article or item), provided proper credit is given to the Daisy Mountain Rock and Mineral Club and the author, that no substantial changes are made that might alter the meaning/facts, and that one copy of the publication containing the reprinted material is sent to the editor at azrocklady@gmail.com. Reproduction in whole or part by any other organization or publication without the permission of the publisher is prohibited.

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
- Publicity:** Jessie Redmond...
- Membership:** Tiffany Poetsch tnpoetsch@gmail.com
- Editor:** Susan Celestian.....azrocklady@gmail.com
- Field Trip:** Bill Freese ... bfreese77@cox.net
- Claims:** Jeff Bosdale
- Safety:** Gregg Josey
- Show Chairs:** Ed Winbourne, Claudia Marek
- Trustees:**

- | | |
|-----------|-----------|
| Susan C | Claudia M |
| Stan C | Tiffany P |
| Bob E | Don R |
| Nancy G | Howard R |
| Renee I | Jeff B |
| Gregg J | Johanna R |
| Jessica C | 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:

- Juniors (under 18) - Membership is free; one time fee of \$10 for name badge**
- Adult - First year \$35, then \$25 per Person**
- Couple - First year \$55, then \$35 per Couple**

Meeting Dates for 2023

Jan 3, Feb 7, Mar 7, Apr 4, May 2, June 6, Sept 5, Oct 3, Nov 7, Dec 5



Rock, Gem & Jewelry Show

October 21 & 22

Sat 10-5 / Sun 10-4

**Sedona Red Rock High School – 89A at
Upper Red Rock Loop Rd, W. Sedona**

**Hourly Raffles
Grand Prize**

**Admission – \$ 5
Children 12 & under Free**



**For more information go to:
www.sedonagemandmineral.org**



Wickenburg Gem & Mineral Society

23rd Annual WOWW Show

gemclub.info



Gem & Mineral Show
2023
NOV 25 & 26

9am-5pm Sat
10am-4pm Sun

Wrangler Event Center

Round Gym
251 S Tegner St

Vendor/Show Information: **gemclub.info**

Over 40 Vendors

Gems Minerals Beads Jewelry Rocks Fossils Kid's Room
Door Prizes Food and More.....

Free Admission

51ST ANNUAL FLAGG GEM & MINERAL SHOW



PYRITE - 6TH LEVEL, 79 MINE, ARIZONA
JOHN CALLAHAN COLLECTION
PHOTO CREDIT: JEFF SCOVIL
4CM HIGH



SPHALERITE ON GALENA
FLUX MINE, SANTA CRUZ COUNTY, ARIZONA
LES AND PAULA PRESMYK COLLECTION
PHOTO CREDIT: JEFF SCOVIL
2.8CM HIGH



GALENA AND QUARTZ
IRON CAP MINE, GRAHAM CO., ARIZONA
MARK HAY COLLECTION
PHOTO CREDIT: JEFF SCOVIL
8.4CM WIDE

JAN 5 to 7 2024

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

FREE Parking
FREE Admission
FREE Samples for Kids
The Tradition Continues!



**FLAGG
MINERAL
FOUNDATION**

The Tucson Gem and Mineral Society Proudly Presents:

THE 69TH ANNUAL
TUCSON GEM & MINERAL SHOW®

PEGMATITES

Crystals **BIG** & Beautiful



fibrite and quartz - Maria Gemis, Brazil. Photo: Pepsipe collection. KJFS.com photo



February 8 - 11, 2024
Tucson Convention Center

for more information, visit: www.tgms.org

Scan code for
information on
our Tucson Gem &
Mineral Show®



DAISY MOUNTAIN ROCK AND MINERAL SHOW

MARCH 2 and 3, 2024



Stilbite on Stalactitic Quartz

ANTHEM SCHOOL 41020 N. FREEDOM WAY

SATURDAY 9 TO 5 PM

SUNDAY 10 TO 4 PM

ADULTS \$5, SENIORS, VETS, STUDENTS \$4

CHILDREN UNDER 12 FREE WITH ADULT

ROCKS, CRYSTALS, FOSSILS, JEWELRY, METEORITES, BEADS

RAFFLE EVERY HALF HOUR !

DR ROCK FOR ROCK IDENTIFICATION

**KID'S ROW - LOTS OF ACTIVITIES FOR KIDS INCLUDING OUR RENOWNED EDUCATIONAL
EGG CARTONS FILLED WITH 50+ SPECIMENS!!**

FOR MORE INFORMATION GO TO: www.dmrmc.com