



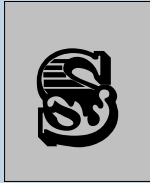
DAISY MOUNTAIN ROCKCHIPS

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 3

MARCH 2023





SCHORL

By Susan Celestian

Schorl is a member of the Tourmaline Group, of which there are 37 members. Some other species with which you may be familiar are elbaite, rubellite, and dravite. While lacking the pretty greens and pinks of other species, schorl is probably the most abundant, maybe accounting for 95% of all tourmaline occurrences. And, it is quite abundant in Arizona, so you are very likely to encounter it

Chemical Formula - $Na(Fe^{2+}_3)Al_6(Si_6O^{18})(BO_3)_3(OH)_3(OH)$

Crystal System - Trigonal (Go to <https://www.minerals.net/Smorf/CrystalDetail.aspx?sort=2&MineralId=197&MineralName=Schorl> OR <https://www.minerals.net/Smorf/CrystalDetail.aspx?sort=1&MineralId=197&MineralName=Schorl> for interactive images of typical crystal forms.)

Growth Forms/Habits - Elongated crystals, splintery crystals, massive

Hardness - 7

Luster - Vitreous, resinous

Streak - White

Color - Black, bluish-black, brownish-black, rarely greenish-black

Diaphaneity - Generally opaque, translucent

Specific Gravity - 3.18-3.22

Cleavage - Indistinct

Fractures - Uneven, splintery, sub-conchoidal

Occurrence - Granite, diorite, pegmatite, schist

Other - Piezoelectric (generates a current when under stress) and Pyroelectric (generates an electrical charge in a temperature change).

Also known as "Black Tourmaline", schorl crystals are typically striated (as are most tourmaline crystals). The striations are parallel to the long direction of crystals, and are due to the competition between adjacent prism faces.

Images of schorl can be seen in Figures 1-13.



FIGURE 1 SCHORL A nice spray of schorl crystals from Western Australia. Photo by Stan Celestian

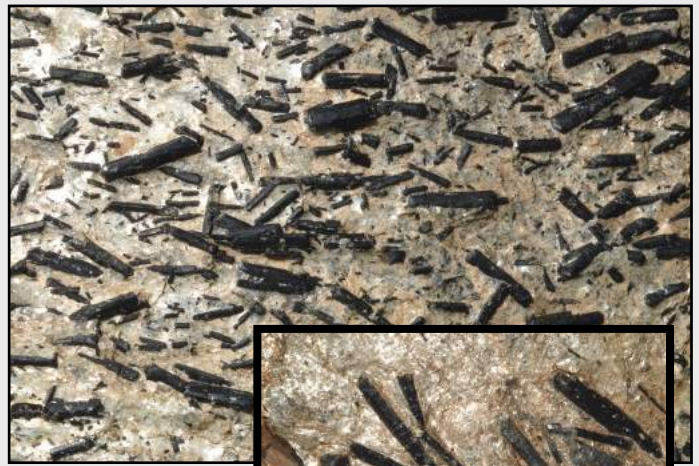


FIGURE 2 SCHORL This specimen is from near Castle Hot Springs. The long slender schorl crystals occur in a mica schist. The mica crystals in the rock are foliated, i.e. forced to lie parallel to each other by forces of pressure. However, the schorl crystals also exhibit foliation, as they lie roughly parallel to each other.



Photos by Stan Celestian



FIGURE 3 SCHORL This schorl in quartz is from near the Dragon Mine. Much of it is massive aggregates of fine crystals. Photo by Stan Celestian

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**MARCH SPEAKER
Stan Celestian**

Stan addressed the steps necessary to sustain a successful egg carton project — which aptly describes the DMRMC program. It is an ongoing project that requires a lot of volunteer efforts!

Educational Earth Science Kits



THE EGG CARTON PROJECT

The backbone of the program is Field Collecting. And therein lie some requisites: proper ID of material collected, determination that it is “representative”, and availability. He emphasized that while field collecting, one should notice other natural phenomena one might encounter, such as flowers, butterflies, tarantulas, fluorescence, sunsets, frogs, fungi, and snakes (watch out for those rattlers!).

He also ‘visited’ some of the areas where we can sustainably retrieve material — the Chillico Mine (chrysocolla, azurite), Saddle Mt area (chalcedony), Sycamore Creek (jasper), Buckeye Hills (schist and mica), Mingus Mt (banded iron formation), Camp Verde (pseudomorphs), Government Hill (obsidian), Dragon Mine area (schorl), and more. It is crucial that appropriate material is easily obtained and in ample supply!

After collecting material, there is still much work to do:



TRIMMING



LABELLING LITTLE ROCKS



PREPARING CARTONS



STORAGE



DISTRIBUTION

Many clubs have egg carton programs, but DMRMC has gone a step further, and has established a Flickr site, where one will find the list of potential specimens in the egg cartons, a description of each (including additional photos and information about physical properties and uses.

DAISY MOUNTAIN ROCK AND MINERAL CLUB

EGG CARTON PROJECT

For a Geologic description of the specimens in your collection visit:

<https://www.flickr.com/photos/196049021@N06/albums>

Additional resources include videos demonstrating cleavage and acid reaction, charts and keys to help ID minerals and rocks one might pick up, and other descriptive videos.



VEHICLE SAFETY

By Gregg Josey, Safety

PREPARING YOUR VEHICLE FOR THE NEXT FIELD TRIP

Do not let car trouble ruin your next rockhounding field trip. Performing a few car maintenance tasks before you go can help ensure your vehicle is ready for the adventure.

Even though you can't prevent every mechanical breakdown, checking your car's fluids and parts before you hit the road could spare you from spending valuable rock time on the side of the road or worse out in the middle of nowhere. Here are some tips to help you get started:

1. CHECK TIRES AND TIRE PRESSURE

Inspect all four tires and the spare tire as well. Look for cuts, gouges, or sidewall bulges. Insert a quarter upside down into grooves to check tire tread. If you see the top of George Washington's head, its time for new tires.

Check tire pressure when the car has been idle and tires are cool. Inflate as needed to the vehicle manufacturer's recommended pressure. You will find it listed in the owner's manual and on the sticker of the driver side door jamb.

2. LISTEN TO AND FEEL THE BRAKES

If you hear a grinding sound or feel a vibration when applying the brakes, take your vehicle to an auto repair shop for a brake inspection. A service professional will check the brake system for fluid leaks, and the pads, rotors, shoes, and drums.

3. SECURE AND TEST THE BATTERY

Check the car battery to be sure cable connections are clean and tight, and the hold down hardware is secure. Have a service professional do a battery check to determine remaining capacity.

4. TOP OFF ENGINE OIL AND OTHER FLUIDS

Check that engine oil, coolant and brake, transmission and power steering fluids are at the correct levels for safe vehicle operation. When adding fluids, use products that meet the specifications listed in the owner's manual. Note that newer car models may have sealed automatic transmissions without a dipstick, and electric power steering that may not use fluid.

...Safety continued from page 4

5. REPLACE WIPER BLADES AND REPLENISH WINDSHIELD CLEANER

Rubber wiper blades naturally deteriorate over time. If wipers streak or fail to clear the windshield thoroughly, replace the blades. Fill the windshield washer reservoir with fluid formulated to remove insects and other debris, and test to make sure the nozzles spray adequately. (I recommend Rain X, it has worked well for me). With Arizona summer heat, it is normal to replace wiper blades every 6 months.

6. CHECK BELTS AND HOSES

Reinforced rubber drive belts power the engine water pump and accessories, such as the alternator and air conditioning compressor, so you should inspect and replace any that are cracked, glazed or frayed.

Note that modern multi-rib or drive belt materials do not easily show visible signs of wear. As a general rule, replace drive belts every 60,000 miles.

Inspect and replace worn, brittle, bulging or excessively soft radiator hoses. Check for leaks around hose clamps and at the radiator and water pump. Hoses should be replaced about every 100,000 miles.

7. KEEP THE A/C RUNNING COOL

Take a test drive with the air conditioner running. If you notice a decrease in cooling capacity, take the vehicle to an auto repair shop for diagnosis. Also, have the cabin filter inspected and replaced as needed.

8. REPLENISH EMERGENCY KIT SUPPLIES

Keep a well-stocked emergency kit in your vehicle. Include a flashlight and extra fresh batteries, first-aid supplies, drinking water, non-perishable snacks for people and pets, car battery booster cables, emergency flares or reflectors, a rain poncho, a basic tool kit, duct tape, work gloves, and shop rags or paper towels.

9. PLAN AHEAD FOR VEHICLE SERVICE

In the event you should need vehicle maintenance, know ahead of time where to find an auto repair shop and technician you can trust.

**Hope all your future rockhounding
field trips go smoothly.**

LAPIDARY CORNER

By Johanna Raupe

did someone say water glass?



Figure 1 Commercial Water Glass

What is Water Glass?

Water glass also known as sodium silicate is essentially a compound of glass in the form of sodium metasilicate ($\text{Na}_2\text{O}_3\text{Si}$) and water (Figure 1). Sodium silicate is commonly used in various adhesive applications from the manufacture of corrugated cardboard in

cardboard boxes to sealing cement floors.

In the lapidary process, we are going to use water glass as an adhesive to bond the butts of the rock to a temporary anchor so that the remainder of the material can be slabbed.

As a safety precaution, it is important to note here that once dried, the water glass is as sharp as fine splintered glass. Be careful when handling dried water glass. In fact do not handle, but rather only handle the wood anchor without touching the water glass.

Where does Water Glass fit into the Lapidary Process?

The best use for water glass comes into play when you find or purchase a valuable piece of material that you cannot or do not want to waste.

The '**water glass**' process is applied to the butt or the last remaining piece left in the vise, after the majority of the valuable material has been slabbed. Often you see this last piece for sale as "butt cuts" at rock shows, because it is so time-consuming or difficult to cut.

The Water Glass Process?

The last piece in the vise, the butt, is a perfect cut for mounting onto a piece of "FLAT" solid wood, 2" x 4" or larger, depending on the remaining surface area. This piece of wood will become your wood anchor. It is ok to use scrap wood, but the

wood itself needs to be clean and flat. Warped lumber will not provide a flat surface to securely bond to the rock. Gaps between the lumber and the butt will result in a failed bond between the wood and the specimen. If the bond fails, it will do so in the saw.

Plywood in itself is not sturdy enough, nor does it have enough surface area for the vise to grasp. In addition to surface area deficit, the final step of the process is to soak the last slab and wood anchor in a bucket of water until the water glass dissolves and releases the final slab. After a soak in the water, the plywood would become useless for any further use as an anchor.

Take an appropriately-sized anchor and place the butt, where you will get the maximum surface area, to the bottom end of the anchor. Try not to have any of the rock hanging over the edges of the anchor. If you do have rock hanging over the edges, then chose a larger anchor. Using a sharpie, draw a line around the edges of the rock. Remove the rock and make sure that you can see the entire outline of the rock. If you cannot see the entire outline of the rock, repeat the process with the sharpie.

Prior to applying the water glass onto the anchor, you will need to protect the area beneath the anchor from stray water glass. I use an old cookie sheet covered with parchment paper. The parchment paper is a great barrier and is disposable. Once you have this setup, place your anchor onto the parchment covered cookie sheet.

You DO NOT want to pour the water glass directly from its primary container onto the anchor. There is little control when trying to pour from a large container. It does not take an excessive amount of water glass to create the bond; a small amount goes a long ways. I use a small condiment cup, the kind you get in takeout food orders. Pour just a bit of water glass into the condiment cup. Now pour a conservative amount of water glass from the condiment cup, crisscrossing the area on the anchor, staying within the outline. This takes practice getting close to the right amount and setting the rock so that you cover the surface between the rock and anchor. Take your rock and while setting it into the outline, move the rock a bit to spread the water glass and evenly coat the underside of the rock, before setting it down within the outline. The rock will settle and the excess

...Water Glass continued from page 6

water glass will run out. Leave the rock to dry over a night or two, depending on the weather. The drying process will take longer in a humid environment. Once you have finished setting the rock on the anchor, return the unused water glass back into the original container. See Figures 2-3.



Figure 2 Rock Mounted to an Anchor



Figure 3 Mounted Rock, Side View

Mounting the anchor in the vise

The ideal way to mount the anchor into the vise is to set the anchor flush with the edge of the vise. Make sure that the anchor is mounted equally front and back in the vise. This will ensure that the last slab has an equal thickness across the slab. See Figures 4-5.

Figure 4 Mount the Anchor Flush with the Edges of Vise



Figure 5 Top View of Flush-Mounted Anchor



Once the rock is slabbed, remove the anchor with the final slab still attached. Place the anchor into a bucket of water with the slab face down in the bucket of water. Once the water glass has dissolved, the slab will drop into the bottom of the bucket. See Figure 6.



Figure 6 Anchors Submerged in Water

**Until next month,
Happy Rockhounding & Slabbing**



Editor's Note: This would be good material to try to maximize. Bruneau Jasper makes great cabs!

Thank you Daisy Mountain Rock & Mineral Club

For volunteering at our school



Night on Jan. 26th.



In appreciation,

New River Elementary

WIRE WRAPPING

The class has resumed!

ANNOUNCEMENT: NEW 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

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.

*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.

DMRMC GEM & MINERAL SHOW a SUCCESS! Thanks volunteers!

Saturday/Sunday, March 11-12, 2024

Text by Bill Freese (amended)

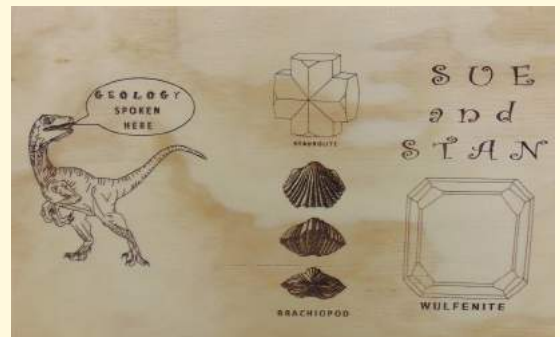
Wow! the DMRMC annual show was awesome! We had close to 50 vendors at the Anthem Elementary School in Anthem, AZ. You easily spot all of the volunteers with the bright neon yellow shirts. There were tons of different items for sale. We had around 2000 folks visit the show, even with a couple of snafus on Saturday, with another local event and a rainstorm in the afternoon. Look at all of those smiling faces. If you missed it, you will have to wait until next March to see it again. See ya then.



CLUB SALES TABLE

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...Show continued from page 9



Show continued on page 11..

...Show continued from page 10



Show continued on page 12..

...Show continued from page 11



Yummy hot dogs, snacks and fruit served by Laney, and her staff — parents Clark and Marie. She even had peanut butter to go along with the apples!



Renee made tons of cute bugs and painted rocks for prizes in the Kids' Corner. Think about breaking out your artistic bent this summer, to help make more for 2024.



Show continued on page 13..

...Show continued from page 12

Gourmet coffee was a sweet addition to welcome caffeine-craving guests to the show



Save your best rockhounding treasures and hand-made items this year for display at the 2024 show.



Thanks to our generous vendors, there were many great prizes for the raffles.

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

PERIDOT MESA

Wednesday, March 1, 2023

Photos and text by Bill Freese

If you have been part of many of the rockhounding clubs, you know that there has been some issues with the San Carlos Reservation this year, so no visits. We did work out a deal with our favorite claim owner to purchase a bunch of buckets of Peridot, off of the reservation. So the bottom line is we still got some Peridot this season. Beautiful stuff. See ya next time.



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

...Field Trips continued from page 14

SEVEN SPRINGS

Wednesday, March 8, 2023

Photos and text by Bill Freese

Hey Everyone, DMRMC had a mid-week field trip to Seven Springs on Wednesday for Travertine. We had 25 folks from the club join us for a great day in the AZ sunshine. Everyone had a fun time looking for the best pieces to work with. A couple of us stopped by the Jasper site on the way home.



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...Field Trips continued from page 15

SPECTRUM/PRISM MINES

Saturday, March 25, 2023

Photos and text by Bill Freese

Hey Everyone. MSA & DMRMC had a trip on Saturday to a favorite spot the Prism/Blue Cube/Spectrum claims. We ended up with a rather large group of 40 folks, but there was plenty of great specimens for all to find. Everyone has to work for their treasures at this site, mostly fluorite and amethyst, and all had a good time doing it. The weather was outstanding, with temps in the 60's for a day that should normally be 80 degrees. Look at the smiles on their faces.



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

Field Trips continued on page 17..

...Field Trips continued from page 16

ROWLEY MINE

Saturday, March 18, 2023

Photos and text by Bill Freese

Hi Rockhounds. The DMRMC, along with MSA, had a great trip out to the Rowley Mine. We limited the trip to 40 people and I think there were 25-30 vehicles (didn't get the chance to count). The Rowley had been closed, but a recent change with an association with the U of A, allows groups to come to the mine to go through the dump (no, you can not go into the mine!) and hunt for great pieces of chrysocolla, wulfenite, mimetite, barite and other minerals. Everyone had a blast. If you really wanted a big piece, you could buy one from Ed (purple hat & beard) for the going rate. This is awesome! It is great to have a spot like this reopen to clubs.



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

...Schorl continued from page 2

FIGURE 4 SCHORL

This is a very euhedral, doubly terminated single schorl crystal in a pegmatite, from Pulaski, New York. Photo by Stan Celestian



FIGURE 5 SCHORL These slender tourmaline crystals are in quartz. It was found near Cleator, Yavapai Co., AZ Photos by Stan Celestian



FIGURE 6 SCHORL This is a fairly dramatic bundle of schorl crystals in granite, from near the Sceptre Claims, Emerald Lake, Yukon, Canada. Photo by Stan Celestian



FIGURE 7 SCHORL This is not an overly attractive specimen, however it is a common occurrence in Arizona. This schorl is in pegmatite quartz, found near Castle Hot Springs. Photo by Stan Celestian



FIGURE 8 SCHORL These three intersecting crystals of schorl make a very attractive specimen. The terminations appear as fibrous. Locality: Erongo Massif, Omaruru District, Namibia. Photos by Stan Celestian



FIGURE 9 SCHORL In contrast to the specimen in Figure 8, the Namibian schorl crystals in this cluster are very crisp and lustrous. Photos by Stan Celestian

...Schorl continued from page 18



FIGURE 10 SCHORL In both of these specimens, schorl crystals are associated with Beryl variety aquamarine crystals. The specimen on the left is from Kunar Province, Afghanistan; on the right is from Pakistan. *Photos by Stan Celestian*



FIGURE 11 SCHORL This is a fabulous specimen. Lustrous black schorl contrasts starkly with rosettes of albite. Locality: Brazil. *Photo by Stan Celestian*



FIGURE 12 SCHORL From a pegmatite (Little Three Mine) in San Diego Co., CA, this schorl crystal snuggles up with spessartine garnet and albite. *Photo by Stan Celestian*



FIGURE 13 SCHORL Muscovite frosts the terminations of these radiating schorl crystals. It is from the Thompson Peak Mine, Thompson Peak, Plumas, CA. *Photo by Stan Celestian, and used with permission of the Mineral Hall, Natural History Museum of Los Angeles County.*

GEO MINI Triboluminescence

By Susan Celestian

Triboluminescence is a phenomenon exhibited by non-crystalline materials, and about 50% of crystalline materials -- and it can be very entertaining. Substances known to exhibit it well include: quartz, sphalerite, calcite, muscovite, feldspars, some opals, sugar crystals, "Scotch" and duct tapes, and Wint-O-Green Life Savers (not sugar-free). It was first recorded in 1620, by Francis Bacon.

What is it, you ask? It is the emission of light, when a substance is rubbed, scratched, ripped, impacted, or crushed. The exact mechanism has not been established; however, it may be because:

- a) *the excitation of electrons causes them to jump into higher energy states, and then to emit light as they fall back to their original state,*
- b) *a force-generated electrical current causes gases, within the substance, to glow, OR*
- c) *positive and negative charges separate upon fracture, and when they recombine, the surrounding air is ionized, causing flashing light.*

Triboluminescence is broadly synonymous with fractoluminescence and mechanoluminescence. Many examples of this phenomenon can be viewed on YouTube. **OR** you can try it at home. In a dark room, bang a couple chunks of milky quartz or quartz crystals together, rub a couple quartz cobbles together, rip adhesive or duct tape, or crush a Wint-O-Green Life Saver (with hammer or teeth -- or shoot one with a bb).

USES OF TRIBOLUMINESCENCE

Historically, the Colorado Uncompahgre Ute Indians, made rawhide rattles, filled with quartz crystals. When shaken, the flashes of light could be seen through the hide.

Today, triboluminescent materials may be imbedded into construction materials within dams, bridges, air and space craft, or ships. When these structures experience micro-failure, stresses within the inclusions may cause light to be emitted. There may be medical applications in the future.



Click on the triangle above, while holding down Ctrl, to link to a YouTube video illustrating the triboluminescence of various materials, including quartz.

50% *Water jet cutting of ceramics*

OF **Calcite** *Tearing open an envelope*

ALL

KNOWN **FLUORITE**

CRYSTALS

SCOTCH TAPE *Friction between biological materials (blood circulation, friction within joints, chewing food)*

DIAMONDS

UNWRAPPING A BAND-AID **Quartz**

FELDSPAR **Sphalerite**

DUCT TAPE

BOARD MEETING MINUTES**March 7, 2023**

- In attendance: Bill F., Bob E., Bob S., Claudia M., Don R., Ed W., Gregg J., Jeff B., Johanna R., Rebecca S., Renee I., Stan C., and Sue C.
- Bill F. called the meeting to order
- Jim from insurance company came to talk to us (not lawyer)
 - We would like to see what insurance we need/have
 - Policies in place
 - Universal policy in place charged per member
 - The club has general liability through the Rocky Mountain Federation (RMF)
 - This is not health insurance
 - Release of liability form
 - The signed released should be on file for each year
 - And filed for each member that is accessible at any time
 - Field trips – should make sure everyone there is signed
 - Or responsible adult for those not able to sign
 - Jim suggested the club get homeowners insurance to shore up coverage
 - Rental property can be under that
 - Estimates are out to vendors for pricing
 - Popular carriers do not carry this type of insurance
 - Questions that were asked
 - What happens if someone gets hurt on a field trip?
 - Negligence would have to be proven
 - The club will not be liable for someone getting hurt on trips.
 - Your policy does have a clause for all club events
 - You have to give a statement of insurance to be able to be at a facility
 - This is called the “Certificate of insurance”
 - The Anthem schools require this for the shows
 - Waiver of subregulation for owner of building
 - You can request this from your insurance company
 - You currently have this without charge
 - RMF policy cover us?
 - Yes, Philadelphia liability (good insurance)
 - Medical covers some cost
 - If someone gets hurt – files a claim
 - Philadelphia can give \$5,000 medical with no questions asked
 - We will continue to get more information on policies to cover us
- Minutes approval for February
 - Unanimously approved
- Deanne G. - Financials
 - Budget for the show made
 - Will be covered in general meeting
- Claudia M. – Promotional items
 - T-shirts are here
 - It cost \$2,200 to purchase for volunteers
 - Thank you volunteers! You helped make the show amazing again!

...Minutes continued from page 21

- Wire wrapping
 - Thank you, Rebecca N. for volunteering to instruct the class
 - Class was full and people are excited to wire wrap again
 - Kits were bought by the club to be borrowed during classes
 - Each kit has basic tools for wire wrapping
- Ed W. - Volunteering initiatives
 - It was suggested to create a carrot and stick policy for volunteers
 - Gain 1st pick on field trips
 - Lose field trip permissions
 - Some thought this would be hard to keep track of
 - This would require another volunteer to follow
 - Board members liked the idea of incentivizing them
 - Discussion will have to be examined again later
- Bill F. - Field trips
 - Going well
 - More to come this season
- Jeff B. – Claim’s committee
 - Other clubs’ access was talked about
 - Closed to other clubs until at least next season
 - Someone will have to accompany them (guide)
 - Make a limit or price per bucket
 - Other locations are being looked at for buying claims
- Gregg J. - Safety committee
 - He had some words of wisdom for security for the show
 - Do not engage – get descriptions – call 911
 - Take all the photos and videos and follow them out of building
 - Do not interact with offenders
 - Will have 2-way radios for chairpersons
 - Front, kid’s corner, and club sales area will get them
- Agenda for general meeting
 - Thank you, Stan C. for speaking
 - After Stan C.’s presentation, Claudia M. will discuss the show
 - She will talk about volunteer sign-ups
 - Silent auction email was sent before meeting
 - Refreshments will be there
- Next month meeting
 - The speaker will be over zoom
- Claudia M. - Show
 - Parking lot will be blocked for Saturday morning
 - Bus lane – bikes will be there in the morning for triathlon
 - Should be done by 11:30am (2.5 hours)
 - Their cars will be in their side of the parking lot
 - The parking lot will be monitored
 - We still need some volunteers for the show
 - Gourmet coffee shop agreed to be a food vendor
 - Food server will also be there – food person got licensed
 - Thank you for volunteering your time and helping the club
 - 20 signs made for around town
 - They were put up around town before this meeting

Minutes continued on page 23....

...Minutes continued from page 22

- Banners
 - Already made
 - Can use Velcro to change the date for next year
- In person versus zoom for the board meeting
 - Most like in person
 - Cost of small room \$5/hr, large room \$50/hr
 - The next board meeting will be in person again
 - Will be in a small room
- Swap and sale item was stolen
 - The club does not condone this type of behavior
 - Would like the item back regardless
 - Will be discussed in general meeting
 - Details were sent to all members in an email
- Dave Haneline – one of the best rockhounds there ever was!
 - The club owes a debt of gratitude to Dave Haneline
 - He gave us so many great specimens and meticulously labelled them
 - It was suggested to put on the show in his honor
 - Would call it the Dave Haneline show
 - No oppositions, will be voted on later

Respectfully submitted,

Rebecca Slosarik

GENERAL MEETING MINUTES

March 7, 2023

- In attendance: about 115 members (standing room as well)
- Bill F. called the meeting to order
 - The club is so happy to see a full house of excited rockhounds
- Stan C. kept us on our toes with excitement during the egg carton project presentation
 - The egg carton project is never ending work for the show
 - Different specimens of rocks and minerals
 - They must be collected, trimmed, labeled, stored, and presented
 - Thank you, Sue C., for crushing samples
 - Go check out the Flickr page
 - QR code was put on egg cartons this year
 - Check out bonus material on geology+ tab
 - Thank you again, Sue, for sharing such valuable information
 - Even with all the technical issues, we enjoyed the informative presentation on minerals/rocks/fossils
 - Stan will have a link on Flickr with original presentation
- The raffle was presented by Robin S. and Rebecca S.
 - Made the club \$303
- Newcomers - Welcome!
 - Found us through Google of clubs in the area
 - And through fellow rockhounds at North Mountain Visitors Center

Minutes continued on page 24....

...Minutes continued from page 23

- Deanne G. – Financials
 - Net loss for the month because of the show
 - Will have a net profit after the show is all done
 - Vendor fees/ sales/ raffle /admissions/ membership / promo items/ kid's corner/ food will all make the club money at the show
- Jeff B. - Claim's committee
 - Those that went to trip really enjoyed it
 - Lots of great things to find at the club's mine
 - Members will have to wait to go out on their own time to the mine
 - We need to wait until we get a mine steward
 - They will monitor the individual collections
 - Other clubs do not have access as of now
 - Will wait at least a year to let them on
 - Will probably limit/ charge for material
- Bill F. – Field trips
 - Will go back out to our mine at sometime
 - Burro Creek
 - Some had show and tell from the trip at the meeting
 - Small SUV can make this trip
 - 18th special guests of Apache club
 - This trip has been postponed for now
 - It is a great location
 - Bill is working with mine manager to establish a trip out there
 - 22nd Tango Creek had a washed-out road
 - Was changed to Sycamore Creek
 - Then that road got washed out as well
 - Brenda Creek had a washed-out road as well
 - Cancellations due to weather are unusual for this time
 - Sorry for any inconveniences
 - San Carlos has been indefinitely postponed
 - Working with tribe to change ruling
 - 18th of March cancelled but mine steward collected buckets
 - \$55/bucket – gave great specimens to members
 - Field trips coming up – check emails
 - Some trips get full – you must RSVP to Bill
 - Reply to email with names and contact information
 - April 1st was shortened to just the BBC mine
 - Club picnic will be at the end of April
- Tiffany P. - Membership
 - Over 300 members as of the meeting
- Claudia M. – Show and promotional items
 - Please sign up to volunteer for the show
 - 92 members have signed up to help
 - There are still some spots that need to be filled
 - Help moving chairs and tables in and vendor assistance
 - 2:30pm-7pm
 - Overnight security needs help
 - Kid's corner needs help as well
 - Volunteers do not forget to pick up your complimentary t-shirts
 - Vendors for this year: 20 inside and 26 outside
 - More vendors this year than ever before
 - The grassy area is full of vendors

Minutes continued on page 25....

...Minutes continued from page 24

- Will be able to find a plethora of options at the show
 - All booths are full
 - Some vendors are on the waitlist for next year
 - A mini triathlon is going on the same weekend on Saturday
 - The club will rope off parking lot Friday night
 - Expecting 250 athletes – they will use the parking lot
 - The club will direct traffic
 - The club gets the bus lane *except for Saturday 9am-11am*
 - We get extra parking spaces for them overtaking the school zone
 - Volunteers try to park away from the school
 - So guests/customers get closer spots
 - Get there early to get a good spot
 - Small flyers still need to be passed out to people
 - Go to Claudia M. to help with that
- Swap and sale - January
 - A beautiful specimen that was on display was stolen
 - Please return specimen if you took it
 - Please discuss with the club if you saw anything
 - Email dmrmc@gmail.com
 - This is not acceptable behavior for the members
 - Please respect others and do not do this again!
- Gregg J. – Safety committee
 - Get help if you need it – do not over do it at the show
 - Gloves/ hand trucks are advisable
 - If there is a spill at the show, follow these steps:
 - Let us know so we can get it cleaned up
 - Stand by it so others don't fall
 - Security/ greeters/ kids corner/ admissions will all have radios
 - This way we can notify each other quickly
- Jeff B. – Security chair
 - We are not law enforcement
 - Monitor and call 911 if you need
 - Saturday and Sunday afternoon security still needs volunteers
- Wire wrapping class with new teacher
 - Thank you, Rebecca N.!
 - Went great today
- Show and tell – check specimens that others brought to show off
 - You can always bring your own items to show off
 - Bill F. brought from recent field trips
- Robert M. Hazen – April 4th general meeting presentation
 - Will be through zoom
 - He is a senior staff scientist at Carnegie Institution for Science
- Please wear your name tag to club events
 - Most new name tags were picked up at this meeting
 - Wear it on trips, for shows, for meetings, etc.
 - This helps us get to know each other and become friends
- Stan C. presented the silent auction
 - Made the club \$192

Respectfully submitted,

Rebecca Slosarik

Minutes continued on page 26....

...Minutes continued from page 25

SHOW MEETING MINUTES (WRAP UP/CLOSE OUT)

March 16, 2023

- In attendance: 14 chairpersons
- Claudia M. called the meeting to order
- The front entrance diversions were discussed
 - Outside grass vendors thought the diversions were not fair
 - So admissions were moved to the front and the rope was removed
 - This meant that admissions were outside all weekend
 - They did not have shade and Sunday was hot
 - The club needed more tents
 - Were not prepared with last minute change
 - Kids corner needs tents as well
 - Or move tables in the kid's corner next year
 - Doug D. had to move into the shade (Dr. Rock)
 - Some got burned being out in the sun all day
 - Some vendors complained inside about low traffic after diversion change
 - Raffle was inside which brought customers into the gym
 - We also made a sign that stated "more vendors inside"
 - The restrooms were inside which brought customers into the gym
- Admissions had Wi-Fi go in and out throughout the weekend
 - They will need to bring a hotspot next year to avoid this issue
- Scheduling around other events for next year was discussed
 - Spring break will be March and Irma said she would work through it
 - Beginning of spring break is better for Irma
 - March 11-15th, 2024 needs to be avoided
 - That is the weekend of the bike triathlon
 - Anthem days are unknown
 - Cannot get answers from Anthem coordinator
 - It was suggested that the club try to get the first week of March
 - School gets early release every Friday at 2:30pm
 - March 1,2, and 3rd was proposed
 - Other shows
 - Will have to check for Apache Junction, Albuquerque, Deming, etc.
 - We lose some vendors if they coincide
 - Pickleball tournaments
 - The one this year was small
 - They did try to use our parking lot though
 - Carnival should be avoided as well
- 1,810 people attended the 2023 show
 - Saturday: 212 kids, 786 adults
 - Sunday: 204 kids, 606 adults
 - The attendees took a survey at admissions
 - They mainly found the show through the club's website, Facebook, signs on the road, word of mouth, and other club members
 - There were many previous show attendees and kids of the school
 - There was one outlier that heard about us through the Mesa art center
 - Signs in stores – only generated 9 attendees
 - Flyers – only generated 9 attendees

Minutes continued on page 27....

...Minutes continued from page 26

- It was suggested to create less flyers for next year
 - The flyers are good for other club shows for handing out
 - Some found out from other rock clubs
 - These could be flyers but counted as other club members
 - It was suggested to hand out flyers to Deer Valley Unified school district students
 - Will need approval to send out
 - Anthem High School was asked to use marquee sign
 - The approval comes from district office
 - Could not display show info on marquee without their approval
 - That bureaucratic red tape will not be easy to get past
 - One person thought admissions had to give a large amount of information to guests
 - Attendees got the same information from the greeters
 - Some greeters were confusing guest with inaccurate information
 - The egg cartons are not free (they cost \$2)
 - Someone needs to instruct the greeters on show information
 - We should have a pamphlet for workers with rules/instructions
 - Robin S. - Raffle
 - Suggested more helpers carry tables and setup next year
 - Some thought the amount was sufficient
 - It was suggested to change raffle price to \$1=1 ticket
 - Some do not like this idea
 - We will discuss later
 - It was suggested that vendors bring their own tables
 - We only have 1.5 hours to get the setup complete for the vendors
 - Bringing their own tables could cut down on this time
 - (Some vendors always show up early anyways)
 - The club would not make a profit without selling tables
 - It was suggested to let them bring their own tables for same price
 - This cannot be verified, and the idea would be difficult to implement
 - The vendors can try to take advantage of the situation
 - Some did not agree with changing the table policy and pricing
 - The rock sales/ membership area's congestion was discussed
 - Get signs that say more vendors inside/ outside next year
 - Big signs for everyone to see
 - Signs for the restroom could also help with congestion
 - Dogs can be outside but not inside the gym
 - There were dogs inside
 - We cannot legally turn down true service dog's entrance into the gym
 - This is a school policy - not the club's decision
 - Club banner was covered up on Sunday
 - Will move it next year
 - It was suggested to make the greeters also security/helpers next year
 - Have them after admissions not before
 - The amount at the front was intimidating
 - They should walk around instead
 - Claudia M. will change the volunteer count for the volunteer sheets
 - Some chairs had too many volunteers during the show
 - Those that didn't need to help were sent to Claudia
 - Lot of vendors needed bathroom breaks
 - Tom E. let the vendors know we could help
 - That helped give the vendors breaks
 - Security mostly helped them with this task
 - Greeters could help with that next year

Minutes continued on page 28....

...Minutes continued from page 27

- A survey will be sent to the vendors
 - Tom E. and Claudia M. will send to vendors
 - Qualitative survey of the good and bad of the show
 - Claudia heard good things about show from vendors
 - Tom E. said they were happy with us helping and getting along
 - They were glad to see smiling faces and no arguing
 - A couple vendors complained about sales
 - Most seemed to have done very well though
 - Not sure what caused the disconnect
- IRS tax donation paperwork was given out to vendors
 - Someone asked this year
 - Claudia M. gave one to each vendor on Sunday
 - They all really appreciated getting the slip
 - The club even got one more good donation for the raffle because of the paperwork
- The location of lost and found was suggested to be designated next year
 - Should go to raffle and put on show map
 - Because the microphone will make it easy to announce items
- Map brochure was discussed
 - Bathroom should be on the map
 - Most people did not want the maps
 - Admissions just started handing them out Sunday
- The kid's corner sold about 200 egg cartons
 - Kid's corner prizes will contain only 3 colors next year
 - Too many colors this year was confusing
 - Some kids skipped the egg cartons because they got them last year
 - Bonus bags were suggested for next year
 - Used for limited quantity and good quality donations
 - Could have this separate item that's special and extra
 - Pre-made egg cartons were suggested
 - There could be 10-15 available
 - Replenish supply as they are taken
 - It would be an easy option for busy parents
 - Someone suggested having an example up at admissions
 - Kids get excited just with the name kids' corner
 - An example could be unnecessary
 - It was suggested to raise egg carton prices to \$3 next year
 - No opposition at the meeting – this will still need to be voted on
- It was suggested to give kid's special tickets for a raffle next year
 - The club stopped giving the kids a ticket for the main raffle due to unfairness
 - The prize for the kid's raffle could be one free game
 - No opposition, but will have to be further discussed later
- Tiffany P. – Members
 - About 12 guests signed up to be members at the show
 - 4-5 online after the show
 - Gave one person their money back
 - Some people gave money for membership but did not fill out paperwork
 - Items from the trailer were successfully sold at membership table
 - Thanks for clearing out some trailer space

Minutes continued on page 29....

...Minutes continued from page 28

- Credit card sales for the club were about \$1,100
 - Saturday was slower than normal for credit card sales
 - Parking was a disaster due to the triathlon
 - Sunday was busier this year for the club sales
 - Hit and miss with vendors/ club sales
- Someone asked about having a golf cart next year so staff could park further away
 - The club informed vendors/staff to park in the back
 - Vendors did whatever they wanted
 - Staff workers took up a lot of spaces as well
- Food Sales were discussed
 - Clark's daughter did very well with food sales in the back
 - Will come back next year
 - Bakery company will come back
 - They would like to setup Friday next year
 - Could not make it Friday this year
 - They got stuck Saturday outside the triathlon for hours
 - It was nice because they are rockhounds that even gave out free rocks to customers!
- Claudia M. asked if there were any more questions, comments or concerns
 - Nothing else was suggested by chairpersons present
- Meeting adjourned

Respectfully submitted,

Rebecca Slosarik

ENJOY THE SUPERBLOOM!



Coulter's Lupine
(*Lupinus sparsiflorus*)



Desert Chicory
(*Rafinesquia neomexicana*)



Hairypod Pepperweed
(*Lepidium lasiocarpum*)



Notch-leaf Scorpionweed
(*Phacelia crenulata*)



Sand Blazingstar
(*Mentzelia involucreta*)



Owl Clover
(*Castilleja exserta exserta*)



Few-flowered Bluedicks
(*Dipterostemon capitatus pauciflorus*)



Mexican Poppy
(*Eschscholzia californica mexicana*)



Gordon's Bladderpod
(*Physaria gordonii*)



Emory's Rockdaisy
(*Perityle emoryi*)



Arizona Popcornflower
(*Plagiobohrys arizonicus*)



Red Maids
(*Calandrinia menziesii*)

AFMS ENDOWMENT FUND

by Richard Jaeger

I am the Rocky Mountain Federation Regional Chairman for the American Federation of Mineral Societies (AMFS) Endowment Fund. Cheryl Neary, a member of the Eastern Federation, is the AFMS Endowment Fund Chair and the AFMS Central Office Administrator.

Basically, this is a raffle drawing with tickets being sold at \$5 each or five tickets for \$20. The drawing will be held at the NFMS/AFMS Convention in Billings, Montana in August. People from around the American Federation donate prizes for the raffle, which may be jewelry, crystals, minerals, fossils, books, or other items, each valued from \$75 to \$200. The drawing is handled so there is at least one winner from each of the seven regional federations; last year we had five winners from the Rocky Mountain Federation. We usually have about three or four winners from the RMFMS.

As items are donated, pictures of them will appear in the AFMS Newsletter and on the American Federation Website, <amfed.org>. There are usually around 30 items.

This is a major way to financially support the American Federation's efforts on behalf of our hobby. Currently the funds go towards the Junior Rockhound Program, Judges Training, and preparing Programs for distribution to Regional Federations (programs that can be used by individual clubs). Over \$5,000 was raised last year.

Purchasing the tickets: Cheryl requests that your checks for tickets be sent to the regional chairs (*for RMFMS, send to Richard Jaeger, 3515 E. 88th St., Tulsa, OK 74137*) so we can issue tickets and have a record of who has entered. **Checks should be made payable to the "AFMS Endowment Fund."**

We then forward those checks to Pat LaRue, the AFMS Treasurer. I will fill out the proper number of tickets for each contribution, send the stubs to the donating individual, and get the tickets to the NFMS/AFMS Show in Billings in August to be put into the RMFMS bag. There will be at least one general prize ticket, maybe two or three, drawn from each of the bags for the seven regional federations. After that, all tickets will be dumped into one bag, and further drawings will take place until all the prizes have been awarded.

I hope that many of you will participate and hopefully be winners in Billings. **You need not be present to win.** I would also be happy to accept any donated prizes for the raffle or they can be sent directly to Cheryl Neary; the more prizes, the more winners, and hopefully, more money raised. *Cheryl's address is: 42 Jefferson Ave., Patchogue, NY 11772.* My wife and I are each donating a piece of jewelry for Endowment Fund prizes. My contact information is provided below. Please share this information with your club members and thanks for your consideration.

Please purchase some tickets – and hopefully get your ticket drawn in Billings in August.

Richard D. Jaeger
3515 E. 88th St.
Tulsa, OK 74137-2602
918-481-0249
RjgrSci@aol.com

UPCOMING FIELD TRIPS

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

April

BBC Mine - 1st Sat — Specular hematite
 Chilito Mine (Hayden) - 5th Wed — Copper minerals
 Superior—8th Sat — Apache Tears, perlite
 Dave Haneline Mine - 16th Sat — Cerussite, barite, galena
 DMRMC Picnic at Anthem Park - 29th Sat

May

DoBell Ranch - 6th Sat — Petrified wood
 Springerville- 12th-15th — Luna Agate
 Payson area – 17th Wed — Fossils, jasper/chert
 Agate Mtn - 20th Sat — Agate, Quartz

June

Lynx Creek (Prescott) - 3rd Sat — Gold panning
 RMFMS Convention, Casper, WY - TBA Fri-Mon

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

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
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Claims: Jeff Blosdale
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 R |
| Gregg J | Johanna R |
| | 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 2023

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

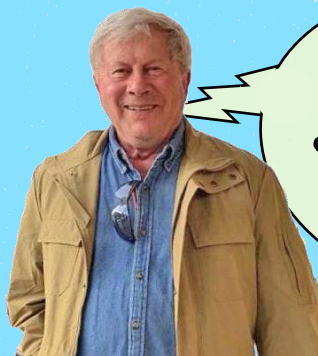
FUTURE SPEAKERS

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

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WORDS OF WISDOM

passed along by our own **Bob Evans**



If you binge watch while binge eating, they cancel each other out. That's science.

UPCOMING AZ MINERAL SHOWS

May 6 - 7 - Kingman, AZ Mohave County Gemstoners; Mohave County Fairgrounds, 2900 Fairgrounds Blvd.; Sat 9-5, Sun 9-4; Admission: Free.

July 14-16 - Show Low, AZ White Mountain Gem & Mineral Club; Show Low Elks Lodge, 805 E Whipple; Fri-Sat 9-5, Sun 10-4; Admission: Adults \$4, kids with adults free.

October 6-8 - Buckeye, AZ West Valley Rock & Mineral Club; Buckeye Arena, 802 N 1st St; Fri-Sat 9-5, Sun 9-2; Admission: Adults \$3, 13 & under free.

October 14-15 - Sierra Vista, AZ Huachuca Mineral & Gem Club; Sierra Vista Mall, 2200 El Mercado Loop; Sat 9-5, Sun 10-4; Admission: Free.

October 21-22 - Sedona, AZ Sedona Gem & Mineral Club; Sedona Red Rock HS, Hwy 89A at Red Rock Loop Rd; Sat 10-5, Sun 10-4; Admission: Adults \$5, 12 & under free.

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.rockandminerals.com/Location/?displayShows=true>



We love seeing what you are finding on your forays!

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).