



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 7

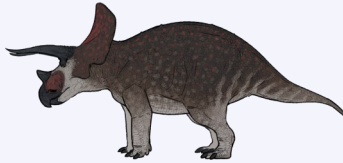
JULY/AUGUST 2023



Arkansaurus fridayi

Arkansas

Triceratops horridus



South Dakota



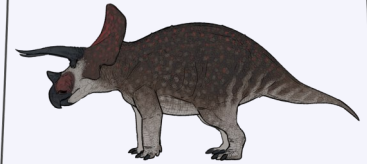
Stegasaurus

Colorado
Wyoming



Dilophosaurus wetherilli

Connecticut



Triceratops horridus



Hypsibema missouriensis

Missouri



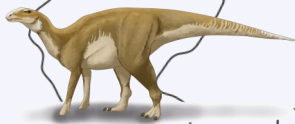
Sonorasaurus thompsoni

Arizona
Texas

Maryland
Astrodon johnstoni



Utah



Jersey
Hadrosaurus foulkii

Sauroposeidon proteles



California

Augustynolophus morrisi



Delaware
Dryptosaurus atini



Utahraptor ostrommaysoru

Oklahoma
Acrocanthosaurus atokensis



STATE DINOSAURS
Fourteen states have
state dinosaurs.

Credits and additional
information can be
found in the [Geo Mini](#).



WILLEMITE

By Susan Celestian

Here is a mineral that you very likely have in your collection. And if not, be sure to watch for opportunities to collect it. Willemite's type locality was originally in the Netherlands (locality is now part of Belgium), and named in 1830 for William I (*Willem*), King of the Netherlands. It is a popular mineral with collectors of fluorescent minerals, as it fluoresces bright green under SW fluorescent light. Interestingly, it is best known from the zinc mines of Franklin, NJ and Arizona.

Chemical Formula - Zn_2SiO_4

Crystal System - Trigonal (Go to <https://www.mindat.org/min-4292.html> OR https://www.minerals.net/mineral_glossary/trigonal.aspx for interactive images.)

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

Hardness - 5.5

Luster - Vitreous, resinous

Streak - White

Color - Colorless, white, green, yellow, light blue, brown, gray, black, pink

Diaphaneity - Transparent, translucent

Specific Gravity - 3.89-4.19

Cleavage - One distinct/good direction; one good-poor

Fracture - Uneven, sub-conchoidal

Occurrence - Common secondary mineral in lead-zinc and zinc ore deposits, usually from oxidation of sphalerite

Other - Fluoresces bright green in SW FL light, the most common activator being Mn^{2+}

Uses - Minor ore of zinc

Images of willemite follow, in Figures 1-9.

FIGURE 1 WILLEMITE

CRYSTAL This is an unusually large single crystal of willemite, from the Sterling Hill Mine, Ogdensburg, Sussex Co., NJ.
Photo by Stan Celestian



Willemite continued on [page 5...](#)

SAVE THE DATE!

ANTHEM SHOW

March 2-3, 2024

Anthem Elementary

GET READY...

GET SET.....

GO.....

First Meeting of the Fall is coming up on Tuesday, September 5, 2023

It'll be good to get back together and talk rocks!

INSIDE THIS ISSUE

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

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ROCKS and MINERALS DONATED to DMRMC

By Claudia Marek (photos & text)

New rocks and minerals have been donated to the Daisy Mountain Rock and Mineral Club, from the Arizona Mining, Mineral, and Natural Resources Education Museum, on Washington Street in Phoenix.

Thanks to an email sent to me on June 30th by Stan Celestian I found out about the museum's clearance of all rocks, minerals, core samples, mining equipment, and any other materials located in "the pit" (which turned out to be the basement in the building). I immediately contacted Catie Carter-Sandoval, its current administrator, to find out if our club could come down to acquire rocks, minerals, and beautiful specimens for our Kids Corner Egg Crates, raffles, silent auctions, and show. Catie immediately told me we could come down the following Monday, July 3rd, as she had 3 other clubs coming in that week to get what they needed for their clubs. Only non-profits would be allowed in for collecting.

I immediately contacted Bill Smardo to see if he'd come down and bring his pickup and asked him to contact George Vorce to see if he'd also come with his pick up, and all agreed. The three of us arrived at 9:00am to meet Catie and stayed until 4:30pm packing the 3 pickup beds to their ceilings with our finds!

Catie had warned us ahead of time that the basement materials hadn't been touched in years and were covered in layers of dust, gloves would be a must not to mention face masks. We were also guaranteed to walk away covered in dirt depending on how much time we spent down in the bowels of the building!

Getting what we did was not only a godsend to the Kids Corner but will also add beautiful, old specimens to our raffles and silent auctions for our members. Remember anything purchased at the silent auctions goes directly into our two college scholarships and money spent on raffle tickets pays for our room rentals each month so, bring extra cash with you to the meetings and see what beauties we found in "the pit"! I guarantee, you will not be disappointed with our finds, that could be yours, in the months ahead!



FIELD TRIP to BISBEE

Saturday, July 22-23, 2023

Photos by Deanne Gosse and Robin Shannon

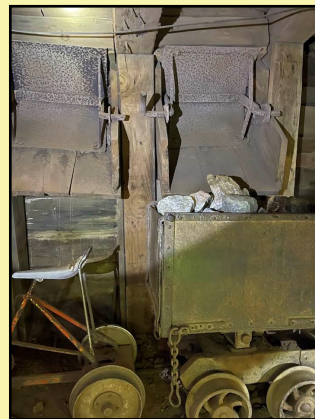
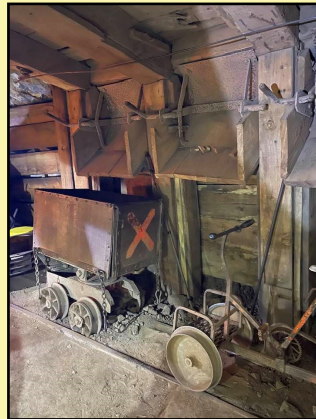
MSA invited DMRMC to join them on a trip to Bisbee and Tombstone. Highlights included a tour of the Copper Queen Mine in Bisbee, the Good Enough Mine in Tombstone, and the rock and mineral show in Sierra Vista.



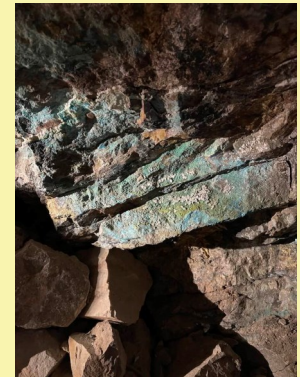
Portal to the Copper Queen Mine



B
I
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E



Descending into the Good Enough Mine



T O M B S T O N E

...Willemite continued from page 2



FIGURE 2 LUSTROUS WILLEMITE This willemite-lined pocket is from the Santa Eulalia District, Municipio de Aguilas Serdán, Chihuahua, Mexico. Rare from this mine, it probably was found 30-40 years ago. A close look will reveal its exceptional luster. *Photo by Stan Celestian*



FIGURE 3 BOTRYOIDAL WILLEMITE This lovely multi-colored willemite near-floater is from the Tsumeb Mine (Tsumcorp Mine), Tsumeb, Otjikoto (Oshikoto) Region, Namibia *Photo by Rob Lavinsky (iRocks.com) and licensed under CC-BY-SA-3.0*

FIGURE 4 WILLEMITE CRYSTAL This yellow crystal — a mere 3mm long, but would make a nice addition to a micromount collection — is from Berg Aukas, Grootfontein District Otjozondupa Region Namibia. *Photo by Christian Rewitzer and licensed under CC BY-SA 3.0*



FIGURE 5 ACICULAR WILLEMITE The clear spray of acicular crystals is willemite from Granite Gap, Peloncillo Mountains, Hidalgo Co., NM. *Photo by Jerry Cone and is Public Domain.*



FIGURE 6 BOTRYOIDAL WILLEMITE Both of the lovely green willemite specimens above are from the Tsumeb Mine (Tsumcorp Mine), Tsumeb, Otjikoto (Oshikoto) Region, Namibia *Photo by Rob Lavinsky (iRocks.com) and licensed under CC-BY-SA-3.0*

...Willemite continued from page 6



FIGURE 7 WILLEMITE & PALS Willemite is commonly associated with calcite and fluorite. Together they often make vibrantly colorful specimens, when exposed to fluorescent light. This specimen is from a club favorite — the Purple Passion Mine, Yavapai Co., AZ. Calcite is red, fluorite is blue, and willemite is green.

Photos by Stan Celestian.

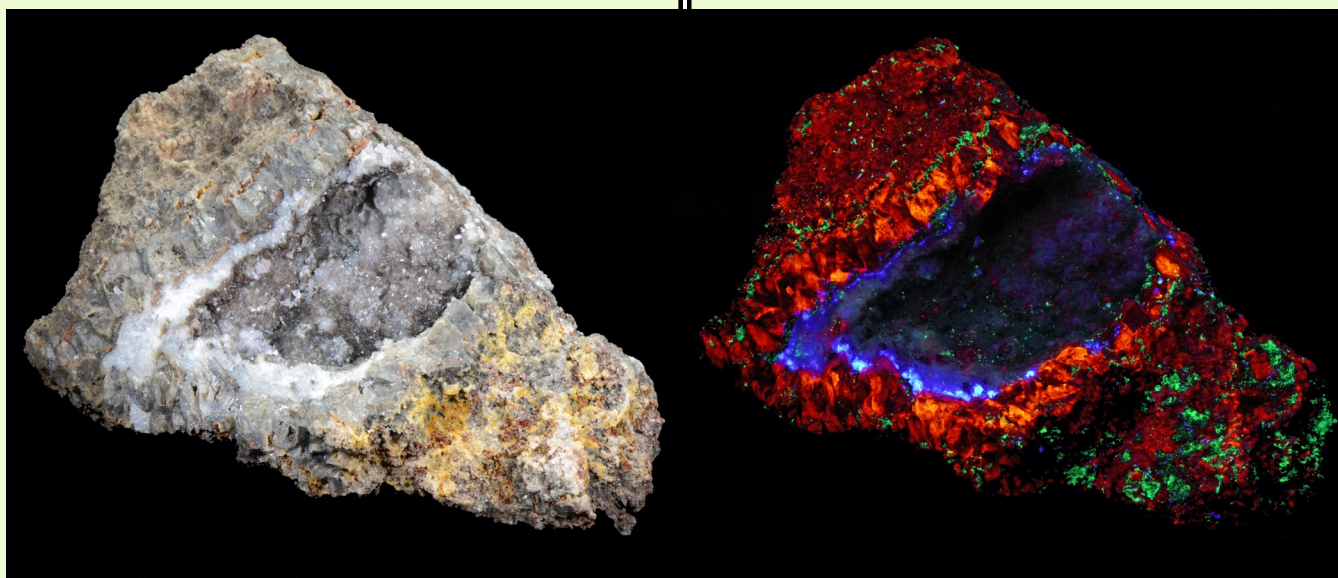


FIGURE 8 MORE WILLEMITE & PALS Just like the specimen in Figure 7, willemite glows green amidst a field of red calcite and blue fluorite. The large pocket is lined with quartz crystals. This specimen is from another club favorite — the Red Cloud Mine, La Paz Co., AZ. *Photos by Stan Celestian*

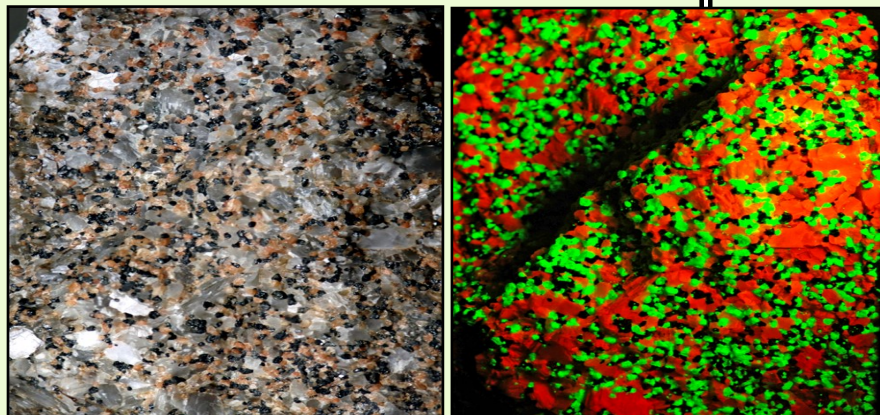


FIGURE 9 GREEN GLOW Speckles of bright green expose the presence of willemite in this specimen from Franklin, Somerset Co., NJ. Photos by James St John and licensed under [CC BY 2.0](https://creativecommons.org/licenses/by/2.0/)

GENERAL RESOURCES FOR WILLEMITE

www.mindat.org/min-4292.html

www.webmineral.com/data/Willemite.shtml

en.wikipedia.org/wiki/Willemite

www.minerals.net/mineral/willemite.aspx

www.fluomin.org/uk/fiche.php?id=199

GEO MINI STATE DINOSAURS

By Susan Celestian

[Sonorasaurus thompsoni](#)—discovered by Richard Thompson, a UofA student who, after seeing *Jurassic Park*, decided to go out and find a dinosaur. 27' tall, 49' long. (Note: he was a contemporary with the Celestians' son, Aaron.)

Image page 2 by Dmitry Bogdanov and licenses by [GFDL](#) via Wikipedia Commons (an element erased by editor).

[Augustynolophus morrisi](#)—one of the last surviving dinosaurs, just before the extinction event, this hadrosaur was 26' long and weighed 3.3 short tons.

Image by [LancianIdolatry](#) and licensed by [CCO 1.0](#) via Wikipedia Commons.

[Astrodon johnstoni](#)—This herbivore was 66' long, 30' tall, and weighed 22 tons.

Image by [Dmitry Bogdanov](#) -dmitrchel@mail.ru and licensed by [CC BY 3.0](#) via Wikipedia Commons.

[Dilophosaurus wetherilli](#) — A double-crested predator, *Dilophosaurus* was the largest terrestrial animal of the early Jurassic, weighing in at 880 lbs and 23' long. It was made famous as the dinosaur spitting venom in *Jurassic Park*.



Image on page 2 by Leandra Walters, published by Phil Senter and James H. Robins-<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0144036> and licensed by [CC BY 2.5](#) via Wikipedia Commons. Scale image by SlvrHwk and licensed by [CC BY-SA 4.0](#), cropped by author.

[Hypsibema missouriensis](#)—This hadrosaur had about 1000 small teeth, was about 10' tall, 30-35' long, and weighed 3-4 tons.



Image on page 2 and scale image by Slate Weasel and licensed under Public Domain via Wikipedia Commons. Some background elements erased by editor on page 2, cropping of scale image.

[Hadrosaurus foulkii](#)—The only species in this genus, *H. foulkii* was 23-26' long, and weighed 2.2-4.4 tons. A vegetation, it had a sharp keratin beak. And it was the first dinosaur to be identified by more than teeth, and was the first skeleton to be mounted.

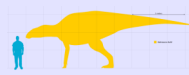


Image page 2 by [Audrey.m.horn](#) and licensed by [CC BY-SA 4.0](#) via Wikipedia Commons. Scale Image by Slate Weasel and licensed by Public Domain via Wikipedia Commons.

[Triceratops horridus](#)—One of the last surviving dinosaurs before the mass extinction event, Triceratops is easily identifiable by its large head frill and trio of horns. It stood up to 7.5+ feet tall, was 26-30' long, and weighed up to nearly 10 tons. Batteries of up to 40 teeth and a sharp beak facilitated browsing on woody vegetation.



Triceratops horridus (left) and Triceratops horridus (right)

[Arkansaurus fridayi](#)—discovered by a service station owner near his cow pasture, this dinosaur is probably a speedy omnivore, and is 6-15' tall.



Image page 2 and scale image by Nobu Tamura Email:nobu.tamura@yahoo.com; <http://spinops.blogspot.com/>; <http://paleoexhibit.blogspot.com/> and licenses by [CC BY-SA 4.0](#) via Wikipedia Commons

[Stegasaurus](#)—quite distinctive with the double row of plates across its back, and spiked tail, this herbivore is represented by just 80 fossils. 21-25' long and up to 4.2 tons.



Image page 2 by Fred Wierum and licensed by [CC BY-SA 4.0](#) via Wikipedia Commons. Scale image by KoprX and licensed by [CC BY-SA 4.0](#) via Wikipedia Commons, edited by author.

[Drytosaurus aquilunquius](#)—“Tearing lizard having claws like an eagle”, this little-known dinosaur was probably about 25' long and weighed 1.7 tons.

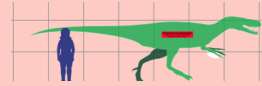


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[Acrocantnosaurus atokensis](#)—An apex predator, this bipedal dinosaur had a skull 4+ feet long. The body was 36-38' long, and it weighed in at up to 7.3 tons. The name derives from the tall spines on its vertebra, that probably supported a strong muscle running the length of the body.

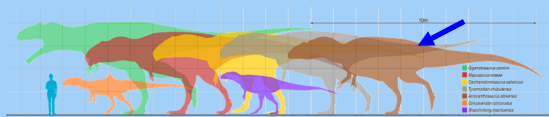
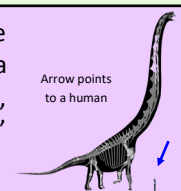


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[Sauroposeidon proteles](#)—“Lizard Earthquake God” and the tallest known dinosaur, with a neck 37-39' (largest vertebra is 4.6' long!), this vegetarian was up to 59' tall, up to 112' long, and weighed up to 66 tons.



Arrow points to a human

Image by Levi Bernardo and licensed by [CC BY-SA 3.0](#) via Wikipedia Commons. Scale image by Gunnar Bivens and licensed by [CC BY-SA 4.0](#) via Wikipedia Commons, edited by author.

[Utahraptor ostrommaysoru](#)—With only a single species, Utahraptor was a carnivore with a distinctive “killing claw”. It was 16-18' long and weighed about 1100 lbs.



Utahraptors of varying sizes

Image ON PAGE 2 by [Emily Willoughby](#) (e.deinonychus@gmail.com, <http://emilywilloughby.com>) and licensed by [CC BY-SA 3.0](#). Scale image by PaleoNeolithic and licensed by [CCO 1.0](#) via Wikipedia Commons, cropped by author.

BOARD MEETING MINUTES**June 6, 2023**

- In attendance: Bill F., Bob S., Claudia M., Deanne G., Don R., Ed W., Gregg J., Jeff B., Johanna R., Rebecca S., Stan C., Sue C., and Tiffany P.
- Bill F. called the meeting to order
- Insurance carriers for the trailers were discussed
 - The owner of the land the trailer is on needs us to have insurance
 - It is difficult to find a liability insurance for the trailer and its contents
 - The club needs a general list of contents for appraisal
 - Claudia M. volunteered to create the inventory
 - Needs to have a valuation to them
 - Rental policy does not cover liability
 - The trailer holds a lot of rocks
 - The stairs posed a safety concern
 - Thank you, Bill Smardo, for installing a handle
 - Someone suggested adding us to the property owner's insurance
 - The club will have to investigate who else is on the property as well
 - Johanna R. volunteered to investigate this matter
- Meeting minutes were unanimously approved
 - Rebecca S. sent the club her program evaluation plan for the club
 - This included a project plan the club could start for carbon reduction
 - Will present the plans to the club
 - Will include why, how, when, and the benefits of the plans
- Deanne G. – Financials
 - Club in good standing
 - Outstanding checks given to those who present for the club
 - Only one remaining is from the snake's presentation
 - Deanne will follow up with speaker
 - Club is looking to invest some of the saved funds to make more money
 - CDs for businesses was suggested
 - Fees could be more than money brought in
 - As a 501(c)3, the club cannot invest in stocks
 - Ed W. will continue to investigate best option
 - Deanne will appropriate scholarship money over the summer
 - Certain items were sold exclusively to fund a second scholarship
- Claudia M. – Promotional Items and Events
 - The club had a booth at the May 2023 MSA show
 - Thank you, Tiffany P. and Claudia, for running the booth
 - They were proud to represent DMRMC
 - Even wore their bright yellow shirts on Sunday
 - Club got the table for free
 - There were 38 vendors at the show
 - Almost all were selling high end minerals
 - DMRMC made \$144 at the MSA show
 - Sold similar items that the club sold at the DMRMC show
 - MSA show was at Shriner Auditorium
 - Location cost over \$3,000/day
 - Had maybe 1,000 guests

Minutes continued on page 9.,.,.,.

...Minutes continued from page 8

- Only had about 20 volunteers to setup show
 - DMRMC is lucky to have a large volunteer force
 - MSA show is new
 - It is exciting to see their club grow to include a show
 - MSA is about the same size as DMRMC
 - MSA has been around since 1935
- Tiffany P. – Membership
 - DMRMC membership is at about 350 members
 - Got a few sign-ups at the MSA show
 - Verde River Rockhounds in Cottonwood was sadly disbanded
 - Their club paid for membership to DMRMC, Mingus or Payson clubs
 - Some attended the DMRMC meeting this month
- Rebecca N. – Wire Wrapping Class
 - Everyone is enjoying the renewed classes
 - She was even able to have classes over the summer
 - About 7 attendees in July and August
- Jeff B. – Claim's Committee
 - Getting the club's claim ready for BBQ event for next season
 - There are a lot of rattlesnakes on the claim right now
 - Other claim options will be updated in September
- Bill F. – Field Trip Committee
 - Tip jar has been updated again
 - This helps the leader with gas and other expenditures
 - They are not getting compensated otherwise
 - Upcoming field trips
 - Added another museum trip in June
 - Bisbee shared trip with MSA was confirmed
 - Rocky Mountain Federation of Mineralogical Societies (RMFMS) Convention in July
 - DMRMC did not have any delegates volunteer to attend
 - Board approved to sign proxy paperwork
 - Bill sent to RMFMS
- Gregg J. – Safety Committee
 - Will purchase Garmin over the summer for the club
 - Will create an incident report form over the summer
 - Should have copies available for all club events
 - Will give instructions on how to fill out
 - Names and pictures are important details
 - Gregg will present to general membership if adopted
 - More whistles were handed out at field trips
 - CPR classes were investigated
 - Daisy Mountain Fire offers classes for \$60/person
 - 6-hour class
 - Includes first aid certification
 - Would like to send some members through class
 - It is best to have as many members as possible prepared for emergencies

Minutes continued on page 10.,.,.,.

...Minutes continued from page 9

- Claudia M. – DMRMC Show
 - Talked to Irma (volunteer to host us at Anthem Elementary School)
 - She agreed to show dates the first week of March
 - The school has early release on Fridays
 - Claudia will submit paperwork to the school district
- General Club Meeting for June
 - Speaker – Aaron Celestian
 - Presentation over zoom
 - Monthly recognition plan to be postponed
 - Would be too time consuming presently
 - Club guides
 - Working well
 - Find those with a green “Guide” button on
 - They can assist others about club matters
 - Kid’s program
 - It was suggested to create a kid’s scavenger hunt on the claim
 - Would be at the DMRMC claim’s BBQ party this season
 - Geocaching was also suggested
 - Thank you, Jeff B. for investigating this activity
 - Encouraging children participation is ideal for the club
 - Helps fulfill the club’s objective to influence future generations
 - Special Raffle Item/Auction Item
 - An amethyst cathedral was suggested as a long-term auction/raffle item
 - Would cost the club about \$200
 - Would have special tickets for about \$5-10
 - Details will be discussed in September
 - Stan C. and Sue C. will take pictures of possible specimen options
 - Board will decide in September on what to purchase
- Claudia M. – Rockhound of the Year
 - Well deserving of award
 - She wears many hats and keeps the club running smoothly
 - She has not received her trophy from RMFMS yet
- There was a suggestion made to rent a bus for the Quartzite show
 - GoGo bus service would cost about \$3,000
 - Would be about \$70/person if 40 people use the service
 - Mark F. had a lower quote for a bus
 - Claudia M. and Stan C. will investigate pricing
 - A bus could help members attend more shows
 - Some cannot afford the drive
 - The board considered covering their costs
 - Some cannot physically drive that far
 - The bus would fix this obstacle
- Ed W. – Club’s Standing
 - Thanked the board for their valiant efforts
 - Everyone serves an important purpose to the greater whole of the club
 - Thinks the board is running very effectively right now

Minutes continued on page 11.....

...Willemite continued from page 12

- Proud of how united we are as rockhounds
- Bill F. also stated our club is blessed with a deep bench of knowledge
 - We also utilize tools like FB and our website to reach others
- Bob S. included that the club is as good as it's leaders
 - We owe a great bit of gratitude to Dave H. and Herb J.
 - They helped lead the club to success
 - Even though they are not with us, their legacy lives on
- Claudia M. – Promotional items for volunteers
 - Needs help finding rock related items for volunteers
 - Shipping costs are difficult to work around
 - At least 100 items are needed
- Meeting adjourned

Respectfully submitted,

Rebecca Slosarik



Hjalparfoss in Iceland. As glaciers melt, outflow roars over topographical steps. This one is supported by columnarly jointed basalt. Photo by Susan Celestian

GENERAL MEETING MINUTES

June 6, 2023

- In attendance: About 81 attendees, 1 youth
- Bill F. called the meeting to order
 - This is the last meeting of the season
- Sue C. introduced the speaker for the night, her son
 - Dr. Aaron Celestian spoke about “Using minerals and gems to illuminate science”
 - Telling a narrative can be impactful
 - Follow him on [nhmla_gems](#) on Instagram

Minutes continued on page 12,,,,,

...Minutes continued from page 11

- His upcoming show tells the story of Earth's history
 - Will be open for about 6 months
 - Will have a webpage online about the event
 - Might allow a behind the scenes tour for DMRMC members
- Thank you, Dr. Celestian, for that captivating presentation
- Raffle presented by Robin S. and Michele
 - Thank you, Michele, for donating so many items to the raffle
 - The raffle made the club \$283
- Newcomers were welcomed to the club
 - Found DMRMC through Google and fellow rockhounds
 - Those are the most common avenues to bring in newcomers
- Deanne G. – Financials
 - Club in good standing
- Jeff B. – Claim's Committee
 - Cannot go to the site in the middle of the summer due to heat
 - Will have a club BBQ at the claim in November
 - Would like to include a kid's scavenger hunt
 - Will update the club in September's meeting
- Bill F. – Field Trip Committee
 - Glad the club was able to take advantage of the good weather in the spring
 - Dobell Ranch had about 58 people attend
 - Was a joint field trip with other clubs
 - Luna Agate is one of the best field trips of the season
 - The blue agate from the site is spectacular
 - Season had 36 field trips
 - Thank you, Bill, for coordinating and leading these trips
 - Will have field trip committee meeting before next season
 - Meeting is used to create tentative schedule
 - Will be held at a restaurant during the day
 - Suggestions for new locations are always accepted
 - Would like to add a gold panning trip next season
 - Typical favorites will surely make the list
- Tiffany P. – Membership
 - Still at about 350 members
- Claudia M. – Show, Volunteer Coordinator, and Promotional Items
 - Anthem Elementary School dates
 - Irma has agreed to volunteer March 1-3rd
 - Second week or March is the triathlon
 - Anthem Days will most likely be at the end of March
 - T-shirts are always available for purchase
 - Email Claudia at ClaudiaAMarek@gmail.com
 - Kid's corner rocks for the show need to be numbered
 - Two bags still need to be numbered

Minutes continued on page 13.,.,.,

...Minutes continued from page 12

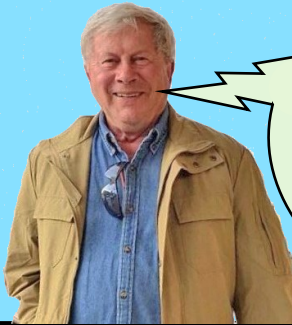
- More will be available in September
 - The club needs about 1,500 rocks per show numbered
- Gregg J. – Safety Committee
 - Has newsletter articles on safety
 - Whistles are being supplied on field trips
 - Will purchase and supply more for those who still do not have one
 - They are great to have if you get lost on field trips
- Sue C. – Newsletter
 - Thank you, Sue, for all your hard work and amazing content
 - Check out the newsletter on the DMRMC.com website
- New Programs
 - Club guides
 - There to help guide members about club matters
 - Monthly recognition
 - Postponed as a program for now
 - Wire wrapping class
 - Going great so far with Rebecca N.
 - The club provided materials for attendees to borrow during class
 - Anyone is welcome to attend classes
- Please remember to always wear your name tag for club events
 - This helps everyone get to know each other
 - See Tiffany P. if you need a name tag
- The club sends club event information over email
 - They get sent to email given on membership form
 - See Tiffany P. if you are not receiving emails
 - She will add/update your email
- The club owns an 18” rock saw
 - Rocks 7” or less can be cut on it
 - Go visit North Mountain Visitor Center to use
 - Monday 9am-12pm
- Ed W. – President of DMRMC
 - Thanked leadership for their hard work to keep the club running
 - Read a beautiful poem on rockhounding
 - Thank you, Ed, for being such an inspiring leader
- Silent Auction
 - Made the club \$161
- Meeting adjourned

Respectfully submitted,

Rebecca Slosarik

WORDS OF WISDOM

passed along by our own **Bob Evans**



It's perfectly OK to talk to yourself, and it's perfectly OK to answer yourself. But it's totally sad that you have to repeat what you said because you weren't listening.

UPCOMING AZ MINERAL SHOWS

August 12 - Gilbert, AZ Gilbert Fine Mineral Sale; Gilbert Historical Museum, 10 S. Gilbert Rd; 10-4; Admission: Free. [SEE POSTER PAGE 15](#)

September 15-17 - Payson, AZ Payson Rimstones Rock Club; Mazatzal Hotel & Casino, Hwy 87 & MP 251; Fri 1-6, Sat 9-5, Sun 10-4; Admission: Adults \$3 (Fri) & \$5 (Sat-Sun), under 13 free. [SEE POSTER PAGE 16](#)

September 22-24 - Clarkdale, AZ Mingus Mt. Gem & Mineral Club; Clark Memorial Clubhouse Auditorium, 19 N 9th St; Admission: 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. [SEE POSTER PAGE 17](#)

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](#)

MARCH 2-3 - Anthem, AZ Daisy Mountain Rock & Mineral Club; Anthem Elementary, 41020 Freedom Way; Sat 9-5, Sun 10-4; 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.

August

Alfie Norville Museum UofA

The Field Trip Committee will be creating a field trip schedule this month. Announcements coming soon.

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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Editor: Susan Celestian..... azrocklady@gmail.com
Field Trip: Bill Freese ... bfreese77@cox.net
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:

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

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.

FUTURE SPEAKERS

September - Susan Emberley of the Four Peaks Mining Co. : Tentative
 October - Evan Jones: TBA
 November - Stan Celestian: TBA
 December - Christmas Party
 January - Dr. Barbara Johns, U of Wyoming: Deep Sea Drilling in the Atlantic

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**GILBERT
FINE
MINERAL
SALE**

15th ANNUAL



AUGUST 12, 2023

**GILBERT HISTORICAL MUSEUM: 10 S. GILBERT RD, GILBERT, AZ 85296
10:00 AM – 4:00 PM**

**AZURITE, MALACHITE, 6 cm, Czar Mine, Bisbee, Cochise County, Arizona, USA.
Chris Whitney-Smith Collection, 2023 Tucson Gem & Mineral Show® Bidaux Trophy.**

© Jeff Scovil Poster Chris Whitney-Smith

Payson Rimstones Rock Club
**Gem & Mineral
Show**

Sept 15-17, 2023

Fri 1-6 Sat 9-5 Sun 10-4

Mazatzal Hotel and Casino

Vendors

Rocks and Slabs

Polished Rocks

Fossils

Jewelry & Art

Education & Kids Area

Fluorescents

Auctions, Raffles

Demonstrations

\$5 Adults
\$3 Friday
Kids under
13 are FREE

*Red Jasper
with Epidote
Rye Creek, AZ*



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



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