

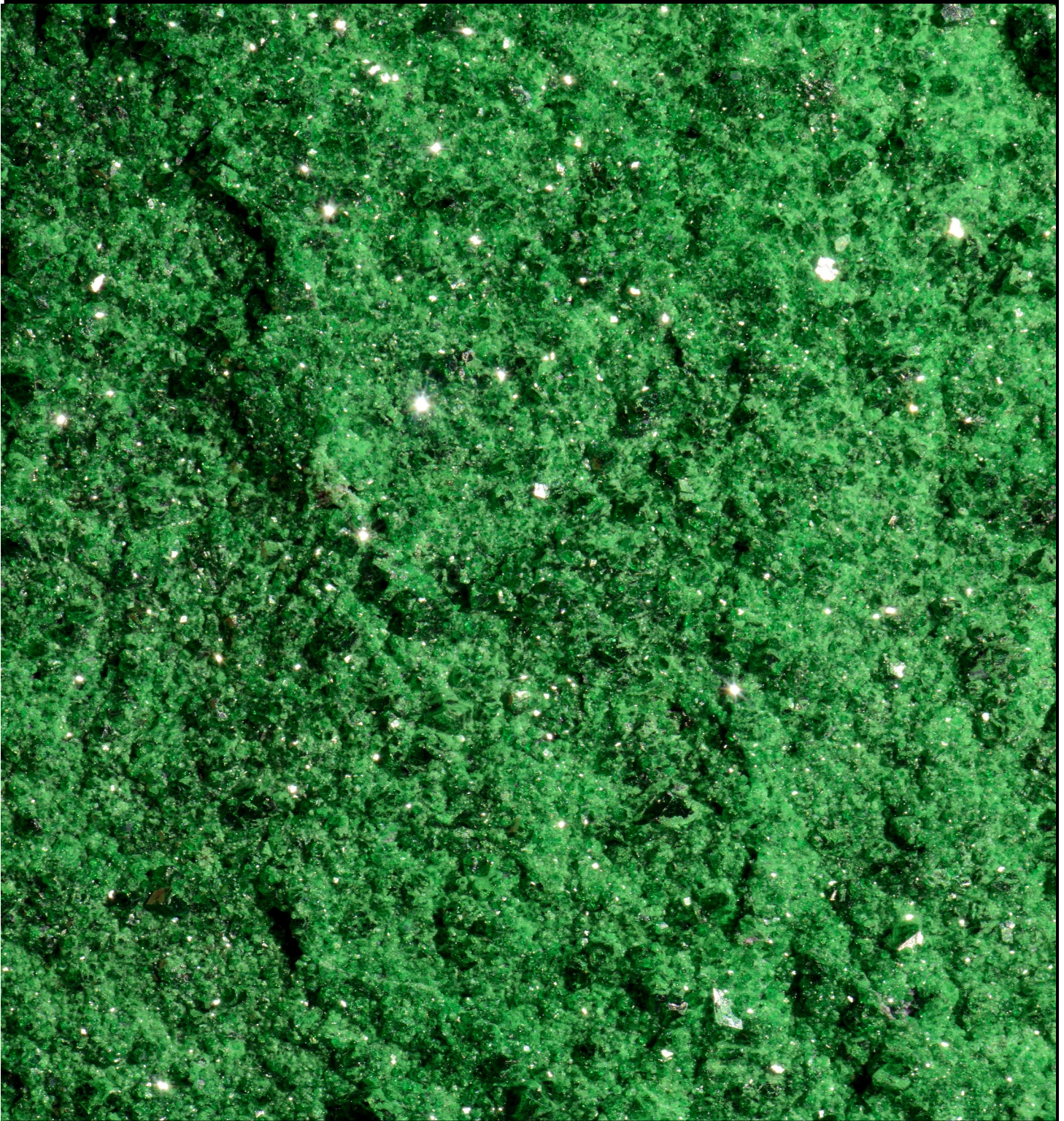


DAISY MOUNTAIN ROCKCHIPS

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 5

MAY 2023



This is a drusy coating of the garnet, Uvarovite, on chromite. It comes from the Saranovskaya Mine, Permskaya Oblast, Ural Mts, Russia. The mine has been worked since 1889, and workings are currently underground. The uvarovite is found within PreCambrian dunites intrusions into gabbro/ultramafic rocks, and formed during low-grade metamorphism. *Photo by Stan Celestian*



UVAROVITE

By Susan Celestian

Rarest of the garnet species, Uvarovite contains chromium, that assures that consistently emerald-green color.

Chemical Formula - $Ca_3Cr_2(SiO_4)_3$

Crystal System - Isometric (Go to https://www.minerals.net/mineral_glossary/isometric.aspx for interactive images.)

Growth Forms/Habits - Ball-like crystals

Hardness - 6.5-7

Luster - Vitreous

Streak - White

Color - Green, emerald green, green-black

Diaphaneity - Transparent, translucent

Specific Gravity - 3.77-3.81

Cleavage - None

Fractures - Irregular, uneven, conchoidal

Occurrence - Generally associated with low-grade metamorphic rocks: serpentinite, chromite, skarns

Other - Fluorescent (red in LW & SW light)

Uvarovite has been reported in one locality in Arizona, at the Tennessee Mine in Mohave County. Images of uvarovite can be seen in Figures 1– 4.



FIGURE 1 UVAROVITE These crystals of uvarovite-on-chromite are from the Bazhenovskoe Deposit, Asbest, Russia. *Photo by Stan Celestian*

[Uvarovite](#) continued on page 12....

CLAUDIA MAREK RECOGNIZED AS ROCKHOUND OF THE YEAR



Photo by Nancy Gallagher

AND THE EVER-POPULAR DOOR PRIZES, RAFFLE & SILENT AUCTION



Wear your name badge and get an extra door prize ticket!

Photos by Nancy Gallagher

INSIDE THIS ISSUE

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

Uvarovite	2, 12
Rockhound of the Year: Claudia Marek	2
May Meeting: Show, Swap, Sell	3
Safety Zone Danger: Dehydration by Greg Posey	4-6
Field Trips: DoBell Ranch , Club Picnic , Payson Area , Springerville, Agate Mountain	7-11
Wire Wrapping Highlights	11
Geo Mini : Psammophile	13-15
Board & General Meeting Minutes	16-20
Club Information , Field Trip Schedule ; Upcoming Speakers	21
Announcements , Show List , Words of Wisdom	22-23

MAY MEETING SHARE-SWAP-SELL

Photos by Nancy Gallagher



This is one talented and enthusiastic rock group!





DANGER: DEHYDRATION

By Greg Posey



Summer is already here, and with the heat comes an increased risk of dehydration. Let's make sure you stay safe and healthy year-round by understanding not only the signs and symptoms of dehydration, how to prevent it, and what drinks are best to keep you hydrated in the first place.

What Is Dehydration?

Dehydration is when your body does not have the amount of water it needs to keep functioning. You may become dehydrated because it is too hot, you worked out a little too much without stopping for water breaks, or simply have not hydrated the proper amount. Dehydration also occurs if you sweat a lot without drinking enough water or other hydrating drinks to replenish your body's natural supply.

A few tips on preventing dehydration:

1. Drink plenty of water before and after your event.
2. Wear a wide brim hat so it shades your neck and ears.
3. Use sunscreen.
4. Wear light loose fitting clothes.

Symptoms of dehydration:

1. Dry Mouth

This sounds like a no-brainer, but having a dry mouth and/or a dry cough can be one of the first signs of dehydration. It makes sense that without proper hydration, you would begin to feel a little dry and in need of proper refreshment! This is not a serious sign of dehydration, but you should get yourself a nice drink if your mouth starts feeling a little dry.

2. Dizziness or Light-Headedness

This is a symptom of severe dehydration caused by low blood pressure. The less fluid your body has, the lower your blood pressure goes. This in turn means less blood flowing to your brain, which is what causes the dizzy and woozy feeling you may experience when severely dehydrated. If you get to this point, please contact a medical professional and be sure you hydrate immediately!

3. Tiredness or Fatigue

Another symptom of dehydration in adults is feeling tired or fatigued. Without enough water or fluids, our bodies are unable to regulate blood flow as normal. Just like feeling dizzy or light-headed, feeling sleepy due to dehydration is because of low blood pressure and having less

...Safety continued from page 4

Symptoms of dehydration continued:

blood circulating to your brain. If you begin to feel faint, make sure you are in a safe place and contact a medical professional if you feel you are about to pass out.

4. Rapid Heart Rate

This is another symptom of severe dehydration. In order to account for the poor circulation of blood that comes with being dehydrated, your heart will begin to beat faster. This leads to a rapid heart rate while your blood pressure continues to remain low. Your heart is straining to pick up the slack, working harder than it normally must in order to keep you going. Make sure to contact a medical professional if you get to this point and hydrate immediately!

5. Very Dark Urine

As gross as it may sound, your pee can tell you a lot about your health -- including how hydrated or dehydrated you are. A common sign of dehydration is dark to very dark urine. This is because your kidneys are saving up as much water as they can to allow your body to keep functioning, making your pee more concentrated and appear darker in color. If your dehydration symptoms are severe, you may not even have any urine to examine. If that is the case, contact a medical professional and make sure you hydrate.

6. Headache

Headaches are another sign of dehydration. The lack of fluid in your body causes your brain to contract and shrink. This puts pressure on certain nerves and creates the painful headache you experience when dehydrated. It is important to note that headaches are caused by a lot of different things, so they may not be the one single sign that points you to dehydration, but they are still something to keep in mind if you believe you are dehydrated.

7. Muscle Cramps

As we mentioned above, being dehydrated causes your brain to contract and shrink. This is not exclusive to the brain, however, as other tissues in your body will also go through shrinkage. As your muscles begin contracting, you may feel some bad muscle cramps and even some stomach cramping due to the lack of fluid in your body. Make sure to drink plenty of water and maybe have something that is potassium-rich to help with the cramping itself.

What are the Best Drinks for Hydration?

Before we get into the best drinks for hydration, we should know what makes a drink good for hydration. The answer is simple -- some drinks have vitamins and minerals that promote holding onto water.

For example, electrolytes (a type of sodium or salt) hold onto water longer, meaning that you also stay hydrated longer. Potassium does something similar, making sure you keep that water in your system for more time. Basically, there are certain nutrient makeups that are better for hydration than others within different beverages.

Now that we have laid out (almost) all you need to know about common dehydration symptoms and what makes certain drinks better than others to rehydrate, let's get into what the best drinks for hydration are to ensure you stay healthy and fit this summer!

Water

Water for dehydration is kind of a no-brainer. It is one of the best ways to stay hydrated! The most difficult part is making sure you always have water on you.

...Safety continued from page 5

Best Drinks continued:

Coconut Water

Due to its naturally high level of potassium and electrolytes, coconut water is another healthy, refreshing way to hydrate! It is also low in calories and, not to mention, tasty and easy to mix into other drinks, like smoothies, to make it even more delicious.

Electrolyte Mix

An electrolyte mix is an additive added to water to enhance your electrolytes lost during sweating. There are many types of electrolyte mixes available. They can be purchased at any sporting goods store or even Costco.

What are the Worst Drinks for Hydration?

Drinks that promote dehydration are basically drinks that either cause you to urinate more without replenishing your fluids or drinks that actively remove fluids from your blood while they work through your system. These drinks dehydrate you quicker and leave you feeling nasty afterwards if you are already dehydrated or need some hydration.

With that out of the way and already knowing the 5 best drinks for hydration, here are the 3 worst drinks for hydration that you should avoid if you are feeling dehydrated!

Coffee / Caffeine

While it takes a lot of caffeine to severely effect and dehydrate you, it is still something important to note. Caffeine has what is called a "diuretic" -- a substance that makes your body produce more urine than normal. This basically means less fluids for your body without the benefit of replenishing them substantially while you drink. While in small doses this will not do anything to harm you, you certainly should not drink coffee or any caffeinated beverages if you are looking to hydrate or are already feeling dehydrated. In those cases, caffeinated drinks can only make things worse and you may end up feeling rougher than you did to begin with.

Gatorade

Gatorade itself is meant for people with active lifestyles. This means if you are working out for a minimum of 1 hour 5 days a week, you are probably fine to drink it as your body needs all the extra sugar, sodium, and calories that Gatorade provides since you burn it off so quickly. However, anything less than that is just giving you excess sugar, sodium, and calories that you would not have to worry about with other hydration mixes. Pretty much, unless you are an extremely active person or athlete, sticking to other hydration mixes or drinking water is probably a better, healthier way for you to stay hydrated that will cut out any excess sugar and sodium.

Alcohol

The worst drink, hands down, for hydration is alcohol. In fact, alcoholic beverages actively dehydrate your body -- which is part of the reason people get bad headaches when hung over. This is because alcohol causes the body to remove fluids from your blood. Without these fluids, you risk the symptoms of dehydration that add on to the nasty feelings you get when you are hung over.

Dehydration is no joke, so be sure to stay happy, healthy, and hydrated this summer season as you go and embark on all kinds of rock hounding adventures!

...Field Trips continued from page 10

FIELD TRIP to DOBELL RANCH

Saturday, May 6, 2023

Photos and text by Bill Freese

Hey Everyone! The DMRMC had a trip on Saturday to DoBell Ranch in Holbrook, AZ for petrified wood. We were joined by the other clubs MSA, Wickenburg, Sun City and Mingus for a total of 58 rockhounds. It was awesome! Look at all those smiling faces. It was the first time for most of the folks on this trip and they all had a great time and our hosts, Rhonda DoBell and her family were awesome as well, with lunch for all. This is what rockhounding should be like.



Did that big rock go home with Jeff?

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

Field Trips continued on page 8..

...Field Trips continued from page 7

DMRMC PICNIC

Saturday, April 29, 2023

Photos Nancy Gallagher (NG), Ed Winbourne (EW), Pamela Innis (PI), and Jeff Hipschman (JH)

A fun and fellowship-filled afternoon at the Anthem Park, highlighted the DMRMC end-of-the-year picnic.



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

...Field Trips continued from page 8

FIELD TRIP TO PAYSON AREA

Wednesday, May 17, 2023

Photos and text by Bill Freese

Hey Rockhounds, the DMRMC along with friends from MSA had a mid-week trip to Payson. We did have a bunch of cancellations, but still had 7 adults and 3 kids on a great adventure. The Paleo Site is a little east of Payson and very easy to get to. It is full of sea creature fossils for everyone to collect. (a great place for kids). After collecting there for a couple hours, a few of us went down the road to the Zebra Jasper site, until the storms moved in and we had to pack up. A great adventure day.

If you would like help identifying any Naco fossils you have found, Susan Celestian has an album on her Flickr site, with lots of Stan's photos and identifications.
Go to <https://www.flickr.com/photos/78143623@N03/albums/72157695720600592/>



~ 320
mya



Cool! The base of a crinoid calyx.



Middle
Pennsylvanian
age



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

Field Trips continued on page 10..

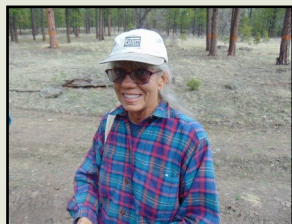
...Field Trips continued from page 9

FIELD TRIP TO SPRINGERVILLE/LUNA AREA

Saturday/Sunday, April 13/14, 2023

Photos and text by Bill Freese

The DMRMC had one of our long multi-day trips to the east side of the state by Alpine. We were mostly looking for Luna agate. From a light blue to a dark blue, it is beautiful stuff. We drove up on Friday then on Saturday we went to our primary great spot. (do not ask for coordinates!) I did not get any pics from Saturday because I was running around helping everyone find some good stuff. Sunday we scoped out 3 new spots and did not find much Luna agate, but an awesome camping spot for future. We headed back to our primary location and expanded our area search for more spots and it was ALL GOOD!. Monday a few of us went to the White Mountain Dinosaur Exploration Center and our good friend Douglas Wolfe, who runs the center, filled us in on past and current events with the dino digs. A very good weekend!



↑ Cynthia Freese uncovered a big agate boulder, and with the help of a truck and tow rope, she took home a 50 mass. Hope to see pix in the future!



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

Field Trips continued on page 11...

...Field Trips continued from page 10

FIELD TRIP TO AGATE MOUNTAIN

Saturday, May 20, 2023

Photos and text by Bill Freese

The DMRMC along with some friends from the Mingus Club went to Agate Mtn last Saturday. This is one of those rugged 4x4 trips to the top of Agate Mtn which is basically all agate. We had 21 people who ventured the 4x4 trail to get some of the treasures at the end. There is agate everywhere and everyone got their fill. It was a good trip.



Gila County Liveforever
(*Dudleya saxosa collomiae*)



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

...Uvarovite continued from page 2



FIGURE 2 DRUSY UVAROVITE These sugary green crystals of uvarovite-on-chromite are from the Saranovskiy Massif; Sarany Chromite Mine, Ural Mountains, Russia. Photo by James St John and licensed under CC BY 2.0



FIGURE 3 UVAROVITE CRYSTALS These large well-formed crystals of uvarovite are from the Outokumpu Cu-Zn deposit, Eastern Finland Region, Finland Photo by Parent Géry and licensed under CC BY-SA 3.0

GENERAL RESOURCES FOR UVAROVITE

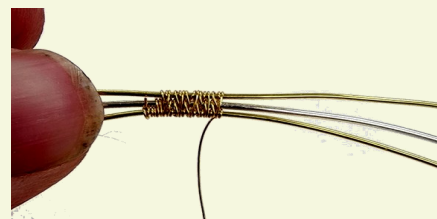
https://www.minerals.net/mineral_glossary/isometric.aspx

<http://webmineral.com/data/Uvarovite.shtml#.ZF2ZB3bMKNc>

<https://www.mindat.org/min-4125.html>

<https://en.wikipedia.org/wiki/Uvarovite>

WIRE WRAPPING
 Photos by Rebecca Noel & Jeff Hipschman



JOIN THE CREATIVE FUN!



Some people will collect anything! I have heard of people collecting buttons, hats, old bottles, matchbooks, glass paperweights, Beanie Babies, seashells, stamps, coins and even rocks (!). There are even subsets of rock collecting like crystals, fossils, gemstones, and even geodes. One of the more odd subsets is that of collecting sand. Enter the “psammophile”, from the Greek *psammo* for “sand” and *phile* for “love of”. Hence the psammophile collects sand, because such a person loves sand. The obvious question is.... WHY? What would turn an otherwise normal person to search for and acquire those tiny little rocks? There may be a rational explanation, or it may just be another mental disorder for which there is no cure... like rockhounding.

So, what is sand anyway? Geologically, sand is a size classification. Geology, like other sciences loves to pigeonhole things. Things are either this or that, and each in their own little category, for comparison and organizational purposes. Back in 1922 a Geologist by the name of Chester Keeler Wentworth took it upon himself to classify sediment. Terms like gravel, boulders, cobbles, silt and clay were used, but they lacked a commonality of parameters. So Chester created a classification list of sediments according to size, that is still used to this day. **Table 1** is the Wentworth Classification of Sediment Grain Sizes.

Note that a sand is any sediment that is at most 2mm in size down to a minimum size of 1/16th of a mm. Below 1/16th mm lies silt and above 2 mm lies gravel. (I am not aware of anyone collecting gravel as a hobby, nor any normal person collecting silt or clay, save perhaps scientists doing research on soils, or subsurface engineers.)

Also note that there is no mention of composition. So why is sand in the “sweet spot” for collectors? A sand can consist of any type of sedimentary particles, and THAT is the allure. It is the diversity of color, composition and shapes that attract collectors to sand. Also of significance is the convenience of size of sand collecting. Granule or pebble collecting may be appropriate, but cobbles and boulders... less likely so. As to the silt and clay, one would need a high powered microscope to appreciate their grains, and even then they are dominated by the rather boring group of clay minerals. (Yes, clay is a mineral family name, as well as a size classification.)

SIZE in mm	Classification	
<4096	Boulder	GRAVEL
256	Cobble	
64	Pebble	
4	Granule	
2	Very Coarse Sand	SAND
1	Coarse Sand	
0.5 (1/2)	Medium Sand	
0.25 (1/4)	Fine Sand	
0.0625 (1/8)	Very Fine Sand	SILT
0.031 (1/16)	Coarse Silt	
0.0156 (1/32)	Medium Silt	
0.0078 (1/64)	Fine Silt	
0.039 (1/128)	Very Fine Silt	MU
0.00006 (1/256)	Clay	

TABLE 1: Wentworth’s Sediment Classification

...Sand continued from page 13

Sand fits into that nice little niche of being the right size, colorful, diversity of particles, Geologically significant and sometimes even geographically important to the collector. A collection of hundreds of sand samples can fit in a box or be proudly displayed on a small shelf.

By now you have probably surmised that I am a psammophile. How did I get there? Most likely it stems from my career choice of being a Geology instructor which automatically includes being inquisitive about all things Earth. In my teaching career I have always been centered on the tangible aspects of Geology. Plate Tectonics, seismology, geophysics, remote sensing are certainly important and interesting in their own right (once you get past the math), but I have always felt that Introductory Geology should emphasize that to which students can relate, to visit or touch. Rocks, minerals, fossils and sand can be touched. Of these, sand is the most often neglected in introductory classes, but can be a great area of exploration and learning. The following are examples of sands along with a little of their Geological stories.



One of the great things about sand collecting is that you can find it at a lot of different places. This spot is called glass beach on the big island of Hawaii. The people on the beach are finding “sea glass”, which is another oddball thing to collect. Just to the right of the picture on the left is a local dump where people have been tossing trash for decades. Eventually the waves have breached the dump and scattered its trash along the beach and into the ocean. Bottles were tossed by the waves into the rocks to be broken and then abraded by tumbling action of the waves. The right picture shows an abundance of shell fragments (light colored) and a super majority of brown sea glass. Obviously brown bottles dominated the local dump.

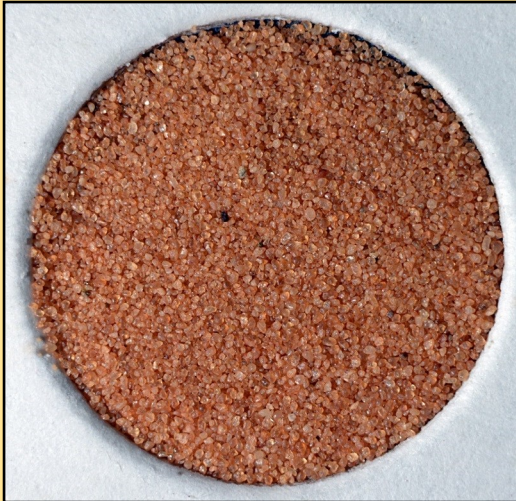


Lumahai Beach, HI is dominated by interesting sand grains. The picture on the right shows a close up of an area with an abundance of olivine, which of course, is derived from the volcanic rocks that make up the island. Additionally there are brownish sea shell fragments and the larger, rounded grains are actually foraminifera, shells of single celled animals. (The circle of sand is in a microscope slide. The circle is called a “well” and is 0.5 inches in diameter.)

...Sand continued from page 14



Myers Canyon is just south of Interstate 8 in southern California. This sand depicts a steep mountain stream that is draining a granitic terrain. The sand consists of coarse particles of feldspar and quartz, along with a few fragments of granite including some very easily eroded mica grains. This sample indicates a very short distance of transport for the grains. The longer the transport, the rounder the grains become. These grains are very angular. This also is a very poorly-sorted sample, meaning there are coarse grains and fine grains mixed together. This is typical of mountain streams that have frequent flooding episodes that grind the rocks together, creating angular fragments of various sizes.



Valley of Fire is just north of Las Vegas, and is a great area for hiking or just driving through to take in the great Geological formations. The fine-grained sand is very well-sorted (basically all the same grain size). It represents a time when this part of the United States was like the Sahara Desert of today, a desolate arid region with drifting sands and dunes as far as the eye can see. However, the sand was a more buff color than the red it is now. That color came as iron oxides percolated with groundwater through the sand, years after it was deposited. That iron oxide coating is very thin and would be easily eroded off the sand grains, as they are transported by the winds. Orange, pink, and even yellow coating on sand make for interesting colors, but are transient features on sand grains.



White Sands National Park, New Mexico is another wonderful place to visit and explore the many interest aspects of depositional and erosional aspects of sand. The uniqueness of this sand is its composition - gypsum. Millions of years ago

the area was the site of a vast inland sea that evaporated to dryness. This left behind deposits of gypsum, that are now the source of this wind-blown white sand. Although it is illegal to collect in the national park, the sand drifts across the highway outside of the park boundary.

In conclusion, it is not just the sand that the psammophile collects, it is the Geologic Story that the sand relates. With a bit of observation, every sand has a story to tell.

BOARD MEETING MINUTES**May 2, 2023**

- In attendance: Bill F., Bob E., Bob S., Claudia M., Don R., Ed W., Gregg J., Jeff B., Johanna R., Nancy G., Rebecca S., Renee I., and Tiffany P.
- Johanna R. insurance sent the \$3 & \$4 mil pricing to board
 - We cannot buy it until we have the \$2 mil liability for a year
 - The board agrees that is sufficient for now
- Rebecca S. - Meeting minutes correction
 - In the April meeting minutes
 - It stated that a con for the policy purchase was that it cost money
 - This should be changed from being a con
 - It is not flagrant spending; the club needs to be safe
 - Insurance is money well spent
 - With that change the minutes are approved
- The 2023 picnic was discussed
 - Cost \$266.44 for picnic
 - This was for the Ramada and food
 - About 35-40 people attended
 - We all played games, ate, talked, and were merry
 - The weather was beautiful
 - Might have the picnic early again next year
- Claudia M. – Promotional Items
 - T-shirts – for scholarship specifically
 - Shows blank on financials
 - Should be about \$750 profit (\$3/each t-shirt)
 - Will work with Deanne G. on financials
- Scholarships – 2 choices not going into geosciences
 - Bailey Alex – ASU mechanical engineering - Boulder Creek
 - Ainsley O'Connor – NAU Biology/Env. Science
 - It was proposed that the scholarship be given to a previous recipient instead
 - We would like to reserve the scholarship for geologists' majors
 - Motion was made to give scholarship to Ainsley O'Connor
 - Failed 4 to 9
 - The scholarship can now go to a previous winner
 - Claudia will contact previous winners to see what they are doing
 - Will ask for transcripts
 - There will be a vote in June on winner of scholarship
- Liability for children and non-members was discussed
 - Children that arrive with adults who are not their parents
 - Need to come to club events with signed waiver from parents
 - Field trips have a liability form for club members and non-club members
 - Some mines or other clubs have their own waiver
 - If anyone comes on a field trip hosted by DMRMC
 - All attendees need to sign our liability waiver
 - Member waiver has 40 spots for members to sign
 - Nonmember waiver has 20 spots for signatures
 - Our liability policy requires signatures for those attending club events
 - If they do not sign, they cannot join the event
 - The show is the only exception
 - This falls under different liability

...Minutes continued from page 16

- Tiffany P. – Membership
 - Currently the club has 327 members
 - Updated membership hard copies have been printed
- Rebecca N. – Wire Wrapping
 - May class happened before the general meeting
 - Everyone seems to be enjoying the wire wrapping being made
 - Thank you again, Rebecca, for teaching the class!
- Jeff B. – Claim's Committee
 - November BBQ – will talk about it more in September
 - Have been pursuing 2 different claims
 - 1st is a copper claim, family had it for over 50 years
 - 89A past Yarnell – Jeff has been there before
 - Huge copper deposit
 - They have already done the digging
 - Connex boxes are onsite
 - Smelting onsite, equipment, backhoes, caterpillar
 - Can all be part of claim purchase
 - Jeff can work equipment
 - Would like to see someone do something with it
 - Offered to club for \$1
 - Everything is paid and current
 - Bob S. said you cannot process native copper very well
 - One of the board members brought up liability issues in an email
 - This will be further discussed
- Bill F. – Field Trips
 - 5 successful trips this month
 - Some trips planned over the summer
 - Rocky Mountain Federation (RMF) Convention this summer
 - Ask the board if you would like to be a delegate for the club
 - If we do not have a delegate, we can fill out proxy form
 - This is due in less than 2 months
 - We would need to know who can go by the next general meeting
 - MSA show – Phoenix Shrine Auditorium (Downtown) optional teaching booth
 - The club has not officially answered yet
 - We would have one booth for \$0
 - The field trip for that day may be cancelled
 - The booth could sell promotional items and slabs
 - Volunteers are need Saturday and Sunday
- Gregg J. – Safety Committee
 - Had a Garmin safety phone article in newsletter
 - Thinks the club should purchase one
 - The cost \$400/unit - \$15/month service bought per year
 - There was a motion to purchase 1 unit
 - Unanimously approved (13 present)
- Claudia M. – 2024 DMRMC Show
 - The RMF printed policy has expired
 - Claudia will have to get a new one from them for the show

Minutes continued on page 18....

...Minutes

- Not sure if any other clubs would interfere with our dates
 - Dates not posted yet
- The triathlon is March 9th
- March 22nd may be the carnival and Anthem Days
- Would like to get March 1-3rd reserved
- School spring break is March 10-15th
 - Irma would like to have the last weekend off
 - Claudia will confirm Irma's preference
 - She is the only one volunteering to help the club
- All payments have been made for the show
 - Claudia will do a cost analysis
 - Will investigate table pricing compared to other clubs
- General Meetings
 - May - Swap and Sale
 - The table clothes are ready for members
 - June – Last meeting of the season :(
 - Guest speaker will be Aaron Celestian
 - Curator for the Los Angeles Museum of Natural History
- Upcoming Programs
 - Monthly recognition – TBD
 - Kid's program – On hold
 - Will be coming eventually
- Silent Auction
 - Couple pieces for today
 - It was proposed to create a special lottery for an amethyst cathedral
 - The cathedral would be a couple feet high
 - The board likes this idea to really get people excited about rocks
 - Will be discussed again
- Congratulations Claudia M. for winning Rockhound of the Year!
 - Thank you for helping with the countless projects
 - STEM nights
 - Chair of the DMRMC Show
 - Scholarship program
 - Promotional items
 - Volunteer coordination
 - Lapidary shop
 - Executive board
 - And everything in between
- The size of the club was discussed
 - The general meeting room has a 150 maximum per fire code
 - We could rent adjacent room and open doors
 - The membership total was discussed
 - The board feels there should not be a limit on the club at this time
 - The club worked hard to get members
 - If membership continues to grow, this will be revisited
- Meeting adjourned

Respectfully submitted,
Rebecca Slosarik

...Minutes continued from page 18

GENERAL MEETING MINUTES

May 2, 2023

- The Tucson Show is Feb 11th
 - NM dates not posted yet
 - Not sure if any other clubs would interfere with our dates
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 - Couple pieces for today
 - It was proposed to create a special lottery for an amethyst cathedral
 - The cathedral would be a couple feet high
 - The board likes this idea to really get people excited about rocks
 - Will be discussed again
- Congratulations Claudia M. for winning Rockhound of the Year!
 - Thank you for helping with the countless projects
 - STEM nights
 - Chair of the DMRMC Show
 - Scholarship program
 - Promotional items
 - Volunteer coordination
 - Lapidary shop
 - Executive board
 - And everything in between
- The size of the club was discussed
 - The general meeting room has a 150 maximum per fire code
 - We could rent adjacent room and open doors
 - The membership total was discussed
 - The board feels there should not be a limit on the club at this time
 - The club worked hard to get members
 - If membership continues to grow, this will be revisited
- Meeting adjourned

Respectfully submitted,
Rebecca Slosarik

Minutes continued on page 20....

...Minutes continued from page 19

- Gregg J. – Safety Committee
 - Will purchase a Garmin GPS minireach
 - Will have 2-way communications for emergency services
 - Will work even out of cell service
 - This is a great safety purchase for the club
- Bill F. – New Programs
 - Monthly MVP – TBD
 - Youth program – in the works
 - Guides – Find those wearing a green pin
 - They can assist you with any questions/directions about the club
 - They are ambassadors for newcomers
- Rebecca N. – Wire Wrapping Class
 - Everyone was excited for the items made at the May class
 - Do not miss the next one – final one for the season
 - Open attendance
 - 4:30-6pm before the general meetings
 - Bring supplies described in email before class
 - There is limited material available to borrow
- Show and Tell
 - Bill F. brought material from field trips
 - Observe the beautiful specimens that can be retrieved on field trips
 - All members can bring in their own finds for show and tell
 - Show off your latest specimen to other rockhound enthusiasts
- June 6th meeting – Last meeting of the season
 - Aaron Celestian will be the guest speaker
 - LA Museum of Natural History curator
- Do not forget to wear your name tag for club events
 - Tiffany P. has new ones in the back of the general meeting
 - See her if you need a new one
 - She can also update your email address
 - This ensures you are getting pertinent club information
- Robin S. and Bill F. presented the raffle
 - All attendants of the meetings receive 1 free red ticket for showing up
 - That person receives a second red ticket if they are wearing their name tag
 - This enters you for a free raffle item
 - Purchase yellow tickets for \$1/each
 - This enters you for your choice of yellow ticket item
 - Put one half of your yellow ticket in the bucket of your choosing
 - Hint: I keep the “Keep this coupon” on me
 - Red tickets do not belong in the yellow item buckets
 - Raffle made the club \$82
- Silent Auction was presented by Bill F.
 - Made the club \$165
- The rest of the meeting was reserved for a swap and sale
 - Everyone went around to all the wonderful members materials
 - There was such a variety of material
 - Thank you to club members for sharing your talents
- Meeting adjourned

Respectfully submitted,
Rebecca Slosarik

UPCOMING FIELD TRIPS

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

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/daisymountainrockclub/). 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 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

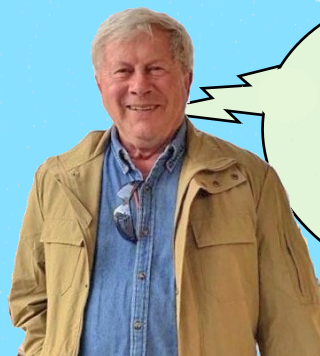
June - Aaron Celestian, Natural History Museum of Los Angeles County: *Using Minerals & Gems to Illuminate Science*

November - Stan Celestian: TBA

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WORDS OF WISDOM

passed along by our own **Bob Evans**



**Be a rock,
not a
pebble.**
David Arquette.

UPCOMING AZ MINERAL SHOWS

June 3-4 - Phoenix, AZ Mineralogical Society of Arizona; El Zaribah Shriners Auditorium and Event Center, 552 N 40th St; Sat 9-5, Sun 9-4; Admission: \$5 adults, \$3 MSA members, 12 & under free. See [poster](#) on page 23.

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

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

NOTE FROM THE EDITOR

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

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

Mail or Email submissions to:

Susan Celestian
6415 N 183rd Av
Waddell, AZ 85355
azrocklady@gmail.com



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

NORTH MT OPEN STUDIO

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

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

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

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

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

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

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

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



The 3rd PHOENIX HERITAGE MINERAL SHOW



GET READY TO
ROCK PHOENIX!

AZURITE, MALACHITE
Morenci Mine, Greenlee County, Arizona, USA
9.7cm – Barbara Muntyan Collection – Jeff Scovil Photo

JUN · 3 & 4 · 2023

PHOENIX SHRINE AUDITORIUM
552 N 40th STREET | PHOENIX, AZ 85008

Saturday 9am - 5pm
Sunday 9am - 4pm



Café & Bar: 9am - 1pm
Admission:
CASH ONLY – ATM Available
• \$5.00 Adults
• \$3.00 MSA Members
• FREE 12 years & younger
with paying adult
• FREE Parking during show
msaaz.org

Largest Quality Mineral Show in Capital City of Arizona!
Featuring: Minerals, Kids Activities, Raffles & Exhibits.
Saturday Night Program: Dinner, Talk, Auctions and Live
Acoustic Duet by Evan Jones & Bernie Lezotte playing
Grateful Dead and more!
Sat Night Tickets on Sale:
<https://www.msaaz.org/event-4972307>

