

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 5, ISSUE 12

DECEMBER 2020



This Chalcedony Desert Rose is the G.O.A.T. (Greatest Of All Time) [mimetolith](#). What do you see???

Locality: Aguila area, Maricopa Co., AZ Photo by Stan Celestian



QUARTZ

variety Chalcedony

By Susan Celestian

To the average rockhound, chalcedony is any microcrystalline quartz - chert, jasper, agate. The formation and classification of chalcedony can be very confusing. There are literally hundreds of terms bandied about in the hobby, not many of which have scientifically-defined differences. I HOPE this article can help to clear up the now-recognized differences between the varieties of chalcedony, and how to recognize them in the field. Information, in this article, will be based on that published on mindat.com, an online authority on worldwide minerals. NOW, let's split some hairs (metaphorically).

Named for the once-town of Chalcedon (now Kaldiköy) in Turkey, technically chalcedony is an aggregate of microscopic to sub-microscopic, parallel, fibrous quartz. According to *Mindat.com*, at least two types have been identified: length-slow and length-fast (Figure 1). Commonly, chalcedony contains water and 1%-20% Mogánite (SiO₂). [Mogánite is a polymorph of quartz: same composition as quartz, which is in the trigonal system; however, mogánite is in the monoclinic system.] Over time mogánite converts to quartz.

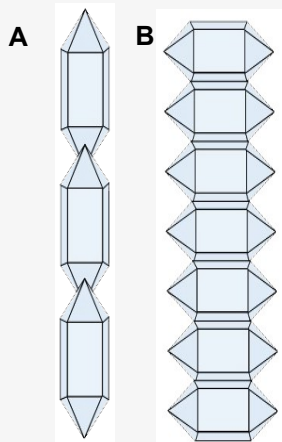


FIGURE 1 CHALCEDONY

Chalcedony is formed of fibers of quartz stacks, with the crystals stacked in a couple of ways. (A) depicts what is referred to as length-slow or quartzine. (B) depicts length-fast. These fibers may or may not be aligned parallel to each other. *Diagram by Susan Celestian, based on a graphic on mindat.com*

In more common parlance, chalcedony is more simply referred to as micro-fibrous quartz. And there are many varietal names that are used¹: jasper, agate, chrysoprase, pietersite, carnelian,

¹ Chert is often included under the umbrella of chalcedony; however -- as we split hairs -- chert is microcrystalline (composed of tiny, unoriented crystals of quartz). Flint and some jaspers are varieties of chert.

sard, plasma, and others. Orientation of crystals, color, banding, and inclusions are the basis for the different varieties. (This will all be discussed further.)

Chemical Formula - SiO₂

Crystal System - Trigonal (3 axes of equal length in one plane, and a 4th at 90° angle to them). Go to <https://www.mindat.org/min-3337.html>

, scroll way down to interactive graphic.

Growth Forms/Habits - massive, botryoidal, mammillary

Luster - Vitreous, waxy

Streak - white

Colors - milky, red, brown, yellow, green, orange, blue, brown, black, patterned, banded, dendritic, plumose

Diaphaneity - Opaque to translucent

Specific Gravity - 2.5-2.9

Cleavage - none

Fracture - conchoidal to sub-conchoidal

Occurrence - Chalcedony is associated with sedimentary, igneous, and metamorphic processes; and is generally thought to form by the action of hydrothermal fluids in association with silica-rich sediments or volcanic ash, and often replacing other minerals. It may form in thick, extensive beds; as crack in-fillings; or as nodules.

JASPER

The name "jasper" is derived from Latin *iaspis*, and Old French *jasper* -- both ultimately derived from a Greek word for 'spotted stone'. Jasper is opaque chalcedony², and includes impurities that impart to it various colors and patterns. Generally, it includes red, green, brown, yellow, orange, and uncommonly blue.

² Some jasper (such as in banded iron formations) is not chalcedony. When it is microcrystalline, without being micro-fibrous, it is chert. This is not a distinction possible with the naked eye.

Chalcedony continued on page 12...

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Zoom Board Meeting Minutes November 30, 2020

- In attendance: Bill F., Bob S., Cynthia B., Don R., Ed W., Howard R., Jessica C., Rebecca S., Stan C., Sue C., and Tiffany P.
- Do not forget to email Stan C. if you would like to go to our D.H.M. Mine
 - ◊ stancelestian@gmail.com
 - ◊ It is \$10/member per visit
- Cynthia B. updated us on the financials
 - ◊ Still in good standing
 - ◊ Not much activity this year due to covid-19
 - ◊ Dues are coming in
 - * You will get an email if you have not paid yet
 - * Count of membership will be sent with check to Rocky Mountain Federation for insurance
 - ◊ Approved to allow Cynthia B. access to DMRMC savings account
 - ◊ Approved to allow Bill F. (vice-president) access to debit card
- The Christmas party was discussed
 - ◊ For social distancing purposes, the club will not provide food for party
- Howard R. updated us on the claim status
 - ◊ It is a LODE claim – casual use, no mechanical equipment
 - ◊ We could file for a change of Operator and Assumption of Liability Form 3809-005
 - * This would allow us to use mechanical equipment
 - * We could also disturb up to 5 acres of land
 - ◊ We need a reclamation bond to move material on the land
 - * Howard R. will send report to BLM with changes wanted
 - Kyle from BLM is helping us with the claim
- Ed W. discussed a potential 2021 DMRMC show
 - ◊ Schools are not an option
 - * Outside venues are being looked in to
 - Will know more when location gets set
 - ◊ The show is a great source of revenue for the club
- Rock Swap for December was discussed
 - ◊ We will have to inventory and clean out the trailer first
 - ◊ Date set for 20th of December to start inventory
 - ◊ Once inventory is complete, we may have a swap at the trailer after
 - * Trailer is near 7th Street and Carefree Hwy
 - * Email will be sent with details, once finalized

Continued

- Bill F. updated us on the field trips
 - ◊ Red Cloud is cancelled for now; however, some members will be going
 - ◊ 12th of December is the Holiday picnic
 - ◊ January will have a couple of trips
 - ◊ The field trips are going well, despite covid-19

Respectfully submitted, Rebecca Slosarik, secretary

General Meeting Minutes December 1, 2020

- Bill F. called the meeting to order since Ed W. could not attend
- Stan C. did another excellent presentation
 - ◊ He taught us about sand, its components, structure, and locations
 - ◊ Instead of just rockhounding, consider collecting sand as well!
- Cynthia B. updated us on the financials
 - ◊ Check will be sent to Rocky Mountain Federation by December 15th
- Stan C. discussed the claim
 - ◊ Name change will be official soon
 - ◊ If you would like to visit the mine, email Stan C. first (stancelestian@gmail.com)
 - * \$10/member per visit
- Bill F. talked about the field trips
 - ◊ Check emails for specifics for each trip
 - * Update your email for the club if it has changed
 - Send email to dmrclub@gmail.com
- Raffle was successful during meeting
 - ◊ Raised \$71 for the club
- 2021 DMRMC show was discussed
 - ◊ Will be either the spring or fall 2021
 - ◊ Email Ed W. for volunteering, help, questions, or comments
 - * ewinbourne@gmail.com
- Wire Wrapping class was discussed
 - ◊ Jennifer G. could not attend December's meeting
 - ◊ Will continue in January
- The holiday picnic was discussed
 - ◊ Dec 12th at 1pm
 - ◊ Bring your own food
- January meeting was talked about
 - ◊ Covid-19 cases might determine where we have it
 - ◊ Check emails for update

Respectfully submitted, Rebecca Slosarik, secretary

FOSSILS: PART XIV

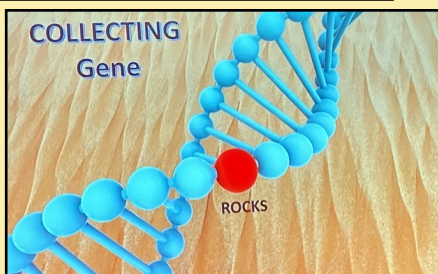
Kingdom: Animalia
 Phylum: Arthropoda,
 Sub-Phylum - Crustacea
 By Susan Celestian

Crustacea includes lobsters, crabs, shrimp, brine shrimp, ostracods. They are very cool fossils, but I am going to skip a month, as this month's mineral column is rather long. Never fear -- I'll get back to fossils afresh, in January 😊

NOVEMBER GENERAL MTG



According to Stan Celestian, November's speaker, there is a Collecting Gene, that drives some of us to collect, collect, collect. The gene is strong in Stan, and he collects many things. Among those "things" is SAND. AND there is more to sand than meets the eye.

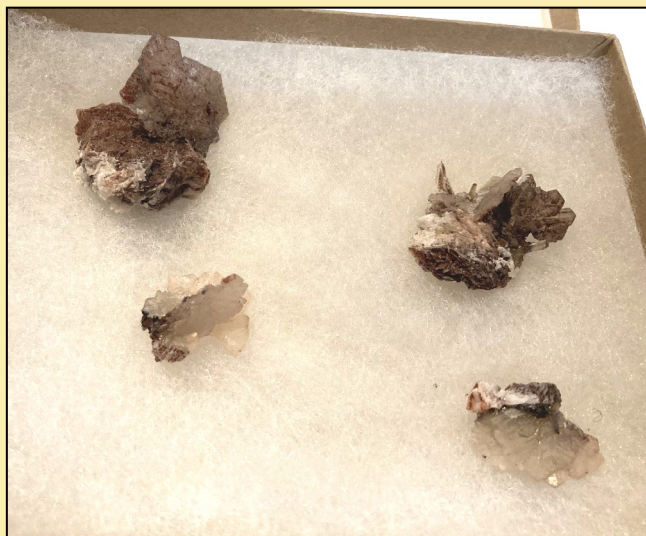


Stan gave us a world tour of stream, beach, and dune sands. In short: stream sands tend to be the most angular and poorly-sorted (i.e. there is a broad mix of stable and unstable minerals - and sizes); beach sands are well-sorted, rounded, and often composed of mostly quartz, with shell fragments common; and dune sands are usually quartz (White Sands NP gypsum is a notable exception), extremely well-sorted, rounded, and frosted.

Fun things to find in sands are garnets, olivine, foraminifera, sponge spicules, and glass.

As a BONUS, he gave away small vials of various sands!

Show & Tell



Bill brought in the cerussite crystals he collected on the club field trip to the Dave Haneline Mem. Mine.



Henry brought in beautiful ammonites, he self-collected in Germany

....Nov Mtg continued from page 4

Raffle

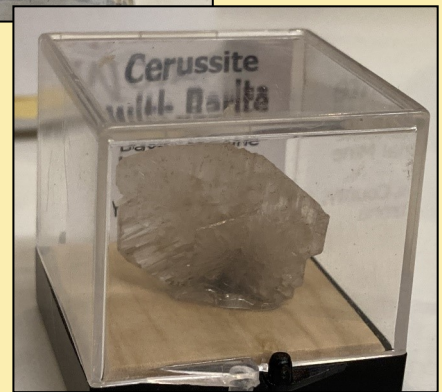
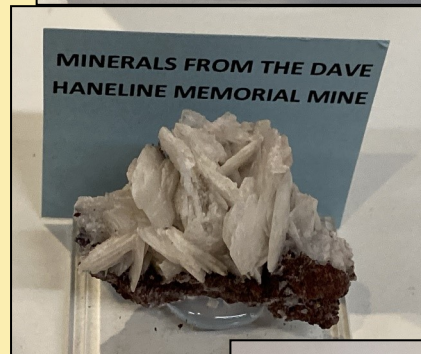
Get your shopping juices ready for when our in-person meetings resume. Members contribute some wonderful items to the Raffle.

At the November meeting, \$71 was generated for the club coffers -- with under 20 attendees!

The raffle has been very successful with donations of jewelry you've made, rock tools you no longer use, attractive mineral/rock/fossil specimens, and other hobby-related items. Thank you for past and future contributions!



Items in November's raffle included minerals and fluorescent rocks from the Dave Haneline Memorial Mine, and a small jar of M&M's with a hand-turned (by Stan) lid of Padauk with Tiger Eye cab.





Courtesy of NHMLA

TRIP TO THE RED CLOUD MINE

Saturday, December 5, 2020

Photos by Susan Celestian, unless otherwise indicated



Rugged and Beautiful Countryside



Hey Bill -- is that arrow pointing your way?

Five intrepid club members endured the rugged road and headed out to the Red Cloud Mine, in search of the classic orangish-red wulfenite, for which the mine is famous.

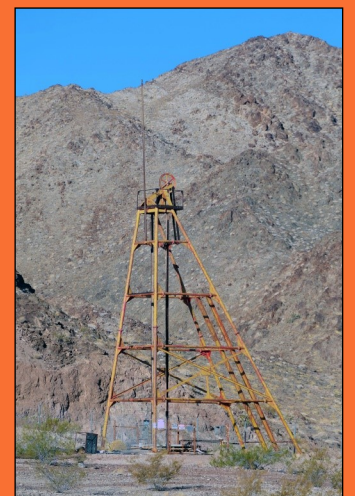


The crystals across the top of the page are purchased, self-collected by Stan, and part of the Natural History Museum of Los Angeles County collection.

No biggies were found on this trip, but everyone went home with rocks!



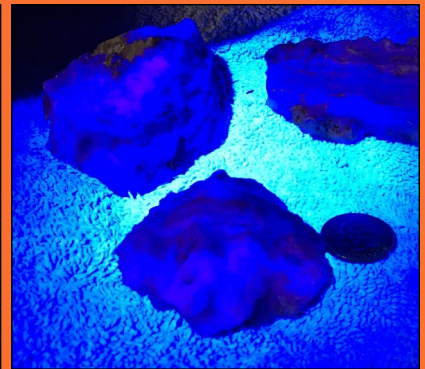
Roger, the mine manager, on the left; Stan, Bill & Henry. Of course, Sue is behind the camera.



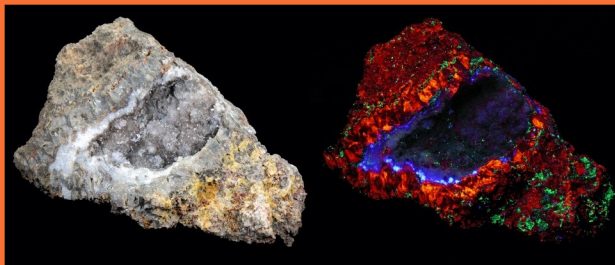
Field trips continued on page 7....

TRIP TO THE RED CLOUD MINE continued from page 6

Crystals, Color and Creatures Galore!



Fluorescent Fluorite
Photo by Bill Freese



Fluorescent Trifecta: Quartz pocket surrounded by red=calcite, blue=fluorite, green=willemite
Photos by Stan Celestian



More Fluorescent Fluorite
Photos by Stan Celestian



Equus asinus Wild burros are derived from the African Wild Ass. Introduced to North America by the Spanish, wild burros are documented in Arizona as far back as 1659.



A family of Mule Deer (*Odocoileus hemionus*) was spotted on the way out to the mine.

Castle Dome Peak is an iconic citadel within the scenery of southwestern Arizona.

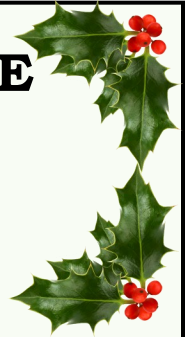


...Field Trips continued from page 7

FIELD TRIP/PICNIC TO DAVE HANELINE MEMORIAL MINE

Saturday, December 12, 2020

Photos by Susan Celestian



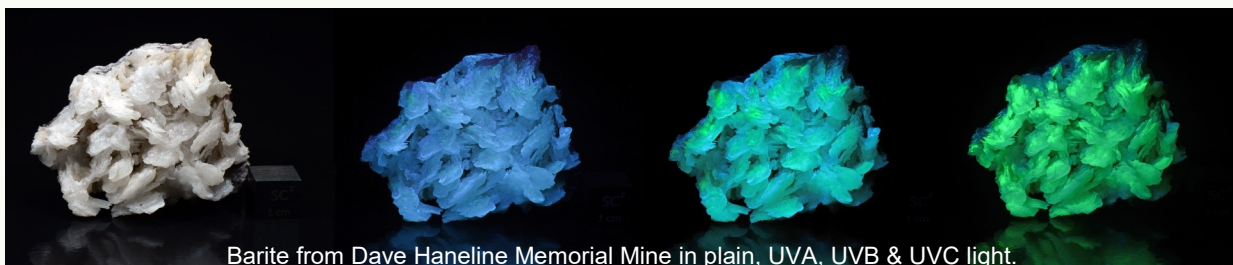
14 club members, and a dog, scattered around the area near Calcite Hill and enjoyed a beautiful day in the desert! Everyone brought their own food, plus shared tangerines and Christmas cookies -- YUM!

Bill Freese clearly marked the turn and the trail to the picnic area



MERRY CHRISTMAS!!

HOLIDAY LIGHTS:



Barite from Dave Haneline Memorial Mine in plain, UVA, UVB & UVC light.

Field Trips continued on page 9...

...Field Trips continued from page 8

FIELD TRIP TO THE SPECTRUM, BLUE CUBE & PRISM MINES

Saturday, December 19, 2020

Photos by Susan Celestian



Thirteen club members met at the Spectrum Mine, where they dug for a couple hours, before progressing on to the Blue Cube and Prism Mines. All mines produce fluorite, plus some amethyst and barite.

Bill Freese did a great job of orienting everyone and helping to point the way to a successful hunt!



EVERYBODY FOUND A PIT



Stan, did you dig that hole?



CHUCK FOUND A VEIN AND DUG SOME PRETTY PURPLE



This dark bluish purple fluorite was dug by Stan, at the Spectrum Mine. The white is barite.

The lower photo is illuminated by a 365nm scorpion light.

Field trips continued on page 10....

...Field Trips continued from page 9

FIELD TRIP TO THE SPECTRUM, BLUE CUBE & PRISM MINES

Saturday, December 19, 2020

Most photos by Susan Celestian



Finding cool barite and some fluorite at the Spectrum Mine



Barite & Amethyst from the Blue Cube, collected & photographed by Rebecca S.



Following Bill's directions, Rebecca S. collected diligently dug this fluorite, from the Blue Cube Mine. Shown in plain light & long wave UV.



Photo by Bill Freese

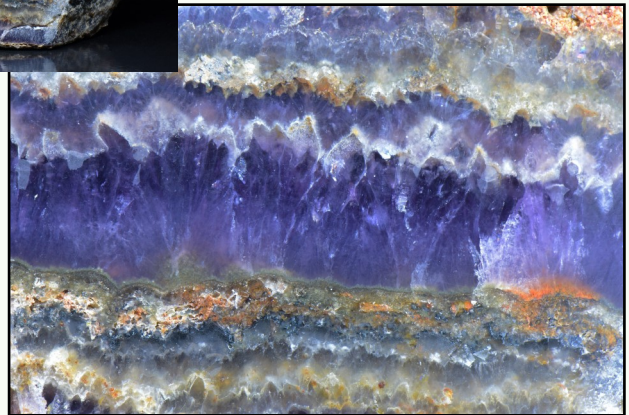
Amethyst from Prism Mine



Amethyst from Prism Mine, polished on one side. Collected and photographed by Stan Celestian



Clipart-library.com

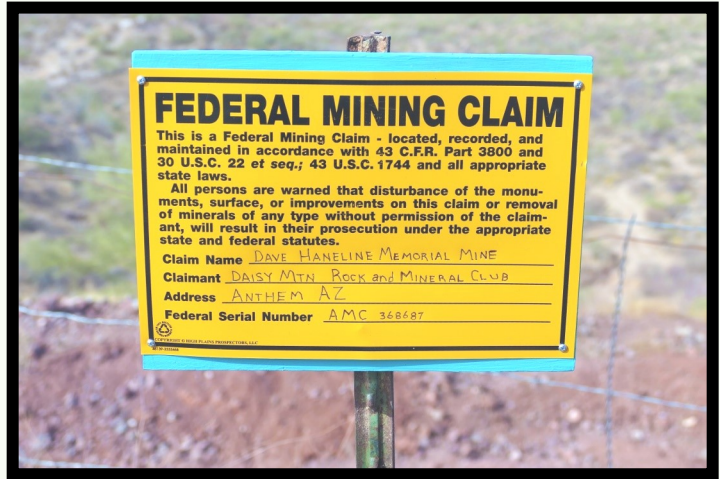


California Barrel Cactus (*Ferocactus cylindraceus*)



Devil's Spineflower (*Chorizanthe rigida*)

As steward of the Dave Haneline Memorial Mine, Stan Celestian recently installed 4 signs on the claim. There is one at Calcite Hill, one at the turn to head up the hill to the mine, one at the mine, and one just southeast of the mine (on the approach to the mine from the northwest).



BEWARE OF AWESOME ROCKS



And on December 21st, Howard and Stan met with Kyle (BLM geologist) to discuss specifics about our plans and options for operation of the Dave Haneline Memorial Mine. Howard will be reporting to the club.

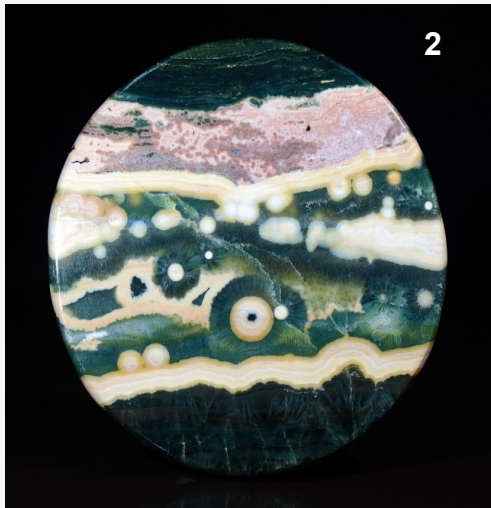


There are nails in them thar hills. These came from near the turn off to the mine.

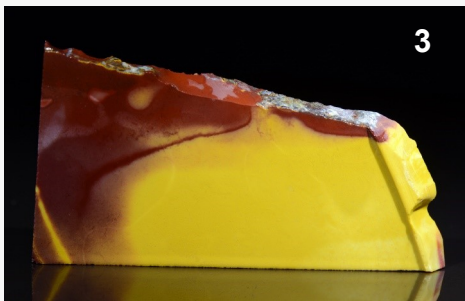
Photos by Susan Celestian

...Chalcedony continued from page 2

Photos of Jasper follow, in Figures 2-13. All photos by Stan Celestian.



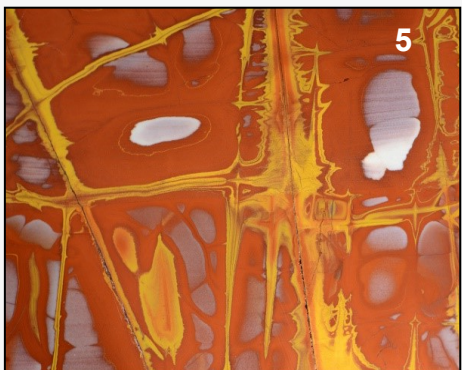
Ocean Jasper, Madagascar



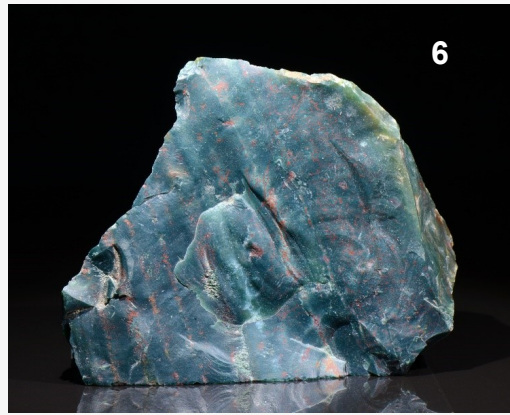
Mookaite, Australia



Owyhee
Cherry
Creek
Jasper,
OR



Noreena
Jasper,
Western
Australia



Bloodstone or Heliotrope



Brenda Jasper, La Paz Co., AZ



Petrified Wood, Navajo Co., AZ



Brachiopod
replaced by jasper.
*Anthracospirifer
occiduus*,
Pennsylvanian
Naco Formation,
Gila Co., AZ

Chalcedony continued on page 13....

...Chalcedony continued from page 12



Jasper, as a vein in granite, from Sycamore Creek, Gila Co., AZ



"Tigillites" or Fawnstone, Pinal Co., AZ



Stone Canyon Jasper, Parkfield, Monterey Co., CA



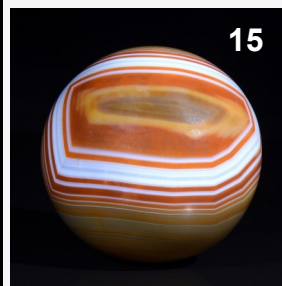
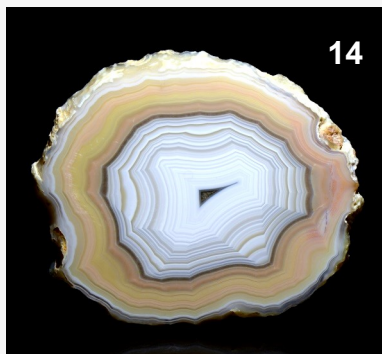
Dendritic Jasper

AGATE

For all practical purposes, agate is differentiated from jasper by its translucence (semi-transparency) -- and technically, agate is banded; although translucent chalcedony specimens that are included by dendrites, plumes, orbs, tubules, lace, etc. are also regarded as agates. Banding may be circular or horizontal, and some banded agates may appear to be without bands, when the bands are wider than the specimen in hand. Otherwise, there is almost an infinite variety of patterns.

Agate aficionados have devised many, many lapidary/trade terms to describe and name specific agates -- an therein lies even more confusion! Roger Pabian, of the University of Nebraska-Lincoln has published a [lexicon](#) of many of those names, including some more appropriately not designated as agate (like sard).

Photos of Jasper follow, in Figures 14-31. All photos by Stan Celestian.



These are classic banded agates. M-from Lomo Pinto, CA, N-from Brazil, O-from Moctezuma, CA Images 14 and 16 are used with permission of the Natural History Museum of Los Angeles County

Chalcedony continued on page 14....

...Chalcedony continued from page 13



Banded Agate from the Gila Mts, Maricopa



Mexican Crazy Lace Agate Image used with permission of the Natural History Museum of Los Angeles County

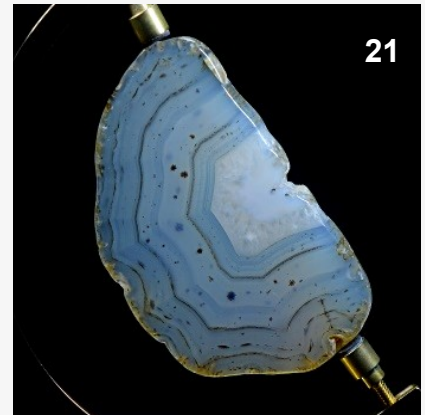


Snakeskin Agate

Eye Agate Image used with permission of the Natural History Museum of Los Angeles County



This is a slice of moss agate, I collected in Montana in 1972. The moss consists of inclusions of manganese oxides. This specimen is a bit of an exception, as moss agate goes, as it is concentrically



banded. Most moss agate is not banded, and therefore by definition is not agate. However, I think it's milky translucence squarely puts in in the category of agate. This is where splitting hairs can get complicated -- as in Figures 22 & 23.



This is what is known in the hobby as Jasp-Agate. A rock that is composed of both opaque jasper, and translucent (though unbanded) agate. Locality: Burro Creek, Mohave Co., AZ



While this is called Turritella Agate, it is only partly agate (see the milky white patches). The rest is either jasper or other form of quartz.

...Chalcedony continued from page 14

In these two slices of Brazilian Agate, the circular wall banding surrounds horizontal banding. The latter, aka Uruguay-type Banding, represents a time when silica settled out of solution. It can be used to determine the original orientation of the nodule.



Banded chalcedony from the "Potato Patch" on Agua Caliente Rd, Maricopa Co., AZ



Banded agate from near the Dragon Mine, Maricopa Co., AZ



27-31 - Agate nodules in the Gila Bend Mts, Maricopa Co., AZ



Agate nodules still embedded in the host rhyolite.



Agate weathered out and strewn across the desert floor.



...Chalcedony continued from page 15

CHALCEDONY-NOT-AGATE-OR-JASPER

There are several varieties of chalcedony that do not, strictly speaking, fall into the categories of jasper or agate. These include: chrysoprase, pietersite, binghamite, carnelian/sard, some plasma/bloodstone, desert roses, and fire agate (which isn't agate at all).

Remember, we are splitting hairs, just for fun!

Images of chalcedony-not-agate follow in Figures 32-46. All photos by Susan and Stan Celestian

One of the most common (at least in the Southwest) forms of chalcedony, is the *Desert Rose*. These are lumpy, frilly, botryoidal, flowery chalcedony that form in cracks and gas bubble holes, in volcanic rocks (rhyolite and basalt). See Figures 32-39. Hydrothermal water, invading the rocks, dissolves out silica, and redeposits it -- often as a thick gel -- in the open spaces. Often Desert Roses have forms that reflect that gelatinous origin. They commonly look folded over, or slumped.

As the host rocks weather, the weathering-resistant chalcedony is released. It can be found lying abundantly about on the desert floor.

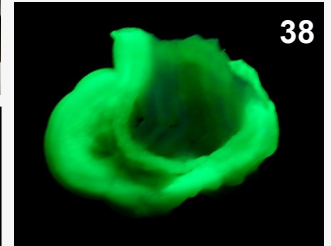
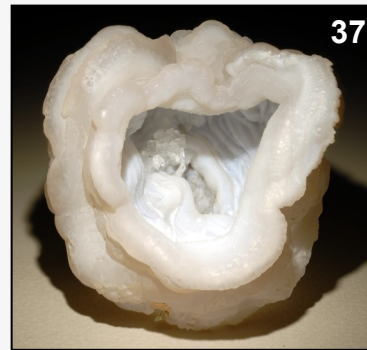


Chalcedony in vugs in rhyolite, Maricopa Co., AZ

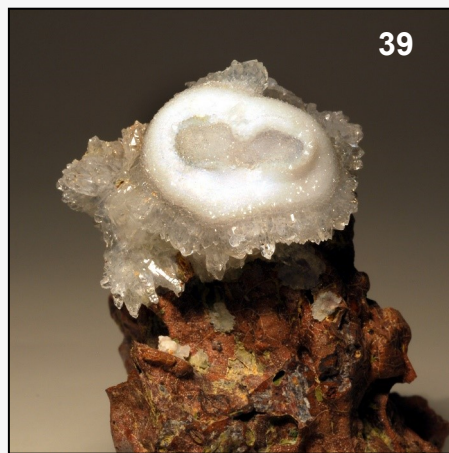
Chalcedony filling a gas bubble void in basalt, Maricopa Co., AZ



Released by weathering, chalcedony Desert Roses lie about waiting for an eager rockhound to take them home.



Chalcedony Desert Roses found in various locations in Maricopa Co., AZ



This very cool Desert Rose is perched on a bit of rhyolite. It has a chalcedony center, with a fringe of quartz crystals. Believe it or not, I (Sue) collected this from a hole I dug in a roadcut -- a hole into which I

eventually could insert my whole self, while I reached way up into a pocket! From near Clifton, Pinal Co., AZ

Chalcedony continued on page 17....

...Chalcedony continued from page 16



4 Fire Agate from Arizona (either Deer Creek or Slaughter Mountain).

See [article](#) beginning on page 18



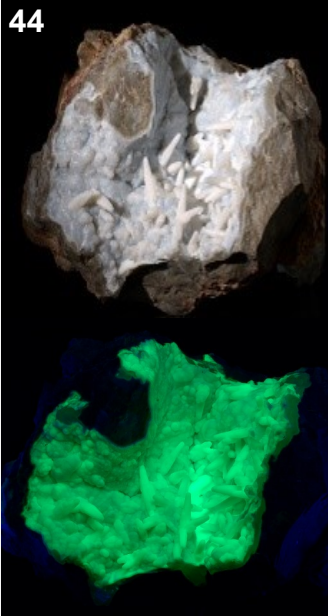
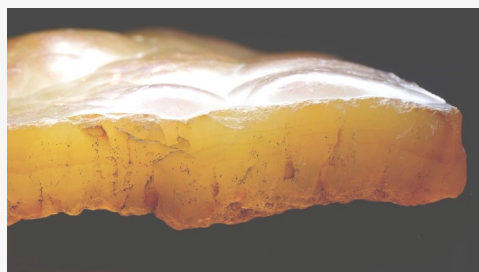
41 Chrysoprase - chalcedony that contains nickel. It is generally a vividly translucent olive to apple green



42 This bola's stone is Pietersite, which is a form of chalcedony heavily included with fibers of amphibole minerals. I believe this material is from Namibia.



43 These three photos are of carnelian, which is simply an orange or reddish chalcedony. On the left, are two views of a piece of carnelian from near Alpine, Apache CO., AZ



44 This a specimen from another Arizona classic locality -- Pott's Canyon, near Superior, Pinal Co., AZ.

Within this pocket in rhyolite, calcite crystals grew, and they were subsequently covered with a thin coat of chalcedony. It is the chalcedony that is fluorescing.



45 Coral (*Montastrea* sp) replaced by chalcedony from Withlacoochee River, Tampa Bay area, FL



46 This is grape chalcedony, from Mamuju area (Mamudju; Manakarra), West Sulawesi Province, Indonesia. Notice the coating of non-chalcedony drusy quartz, giving it its sparkle.

Note: This is also referred to as grape agate, but Ramen spectroscopic analysis has shown it to not be agate. (<https://www.mindat.org/min-51479.html>)

FIRE AGATE

By Susan Celestian

FIRST - Fire Agate is not agate. Fire Agate is a uniquely American gemstone, being largely restricted to central/northern Mexico, New Mexico, Arizona, and California. Its occurrence is related to the Tertiary (24-36 mya) volcanism that dramatically shape that area. Associated silica-rich and iron-rich hydrothermal water invaded the cracks and vugs in the basalts and rhyolites that coated the landscape. The hot water laid down alternating layers of silica (chalcedony-not agate) and very thin layers of iron oxides (goethite and hematite). As light passes through the material, the Schiller Effect causes the interference of diffracted and reflected light waves (See Figure 50), and results in the iridescent “fire” characteristic of fire agate. The colors predominate in the reds, greens and golds.

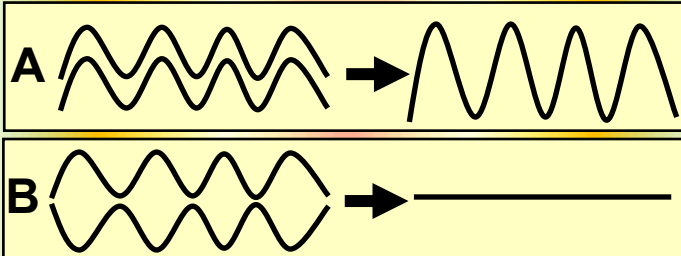


FIGURE 50 Interference of Light Waves In “A” above, two light waves are “in phase” with each other and effect constructive interference, reinforcing the wavelength in question. In “B” the two light waves are “out of phase” and effect destructive interference, cancelling out the energy. The amount that waves are “out of phase” determines what wavelengths will be cancelled by interference.

In the case of fire agate, this interference accounts for the colors of light that are reflected back to our eyes.

Graphic by Susan Celestian

The chalcedony is typically botryoidal (bubbly, like a bunch of grapes), and the iron oxide layers are very thin.

Working fire agate demands attention and patience. The fiery layers are so thin, that just a little too much grinding will obliterate what might have been an explosively colorful gemstone.



FIGURE 51 Chalcedony with included iron oxide layers. These specimens may or may not exhibit fire, however the potential is there.

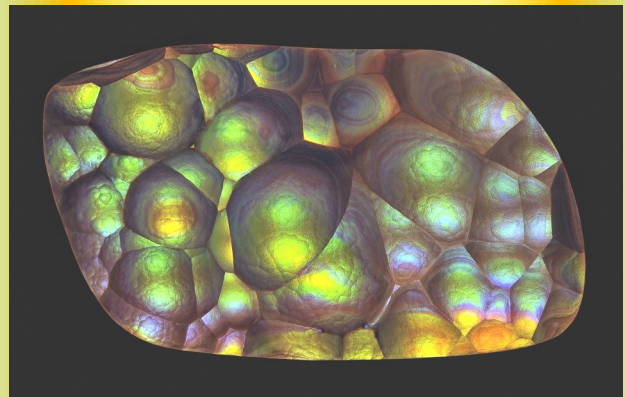


FIGURE 52 FIRE AGATE An outstanding polished fire agate! Photo used with permission of Tom Shearer (<https://www.flickr.com/photos/tshearer/with/5496434156/>)

Here are some links you might find interesting and helpful. A good place to start is the Fire Agate US site -- information about collecting sites, and a great photo gallery. <http://www.fireagate.us/fire-agate/fire-agate.shtml>

Cuesta Fire Agate Mine (Oatman) - pay-to-dig
(<http://cuestafireagatemine.ilandwyte.com/cuesta-fire-agate-fee-dig.html>)

<https://www.blm.gov/visit/search-details/274360/1>

Saddle Mountain - west of Phoenix (See *Gem Trails of Arizona* and *Rockhounding Arizona*)

Black Hills Rockhound Area (BLM) - about 10 miles north of Safford

(<https://www.blm.gov/visit/search-details/274360/1>)

Round Mountain Rockhound Area (BLM) - near Duncan
(<https://www.blm.gov/visit/round-mountain-rockhound-area>)

Kaylee Mae Gem Mine (formerly Opal Hill) - pay-to-dig, may or may not still be operational

Slaughter Mountain - San Carlos Apache Reservation
(<https://www.facebook.com/slaughtermountainfireagate>)

UPCOMING FIELD TRIPS & MEETINGS

WHERE: Burro Creek
WHEN: Saturday, January 9, 2021
WHAT: Jasper, Agate

WHERE: Purple Passion
WHEN: Saturday, January 16 (evening), 2021
WHAT: Fluorescents

WHERE: Quartzsite
WHEN: Saturday, January 23, 2021
WHAT: Mineral Show

WHERE: Tucson Show
WHEN: Saturday, February 6, 2021
WHAT: Show & Shopping!

WHERE: Dobell Ranch & Grand Falls
WHEN: Saturday, February 13, 2021
WHAT: Petrified Wood

WHERE: Brenda area
WHEN: Saturday, February 20, 2021
WHAT: Jasper

WHERE: Safford/Black Hills Rockhound Area
WHEN: Fri-Sun, February 26-28, 2021
WHAT: Desert Roses & Fire Agate

WHERE: Harquahala Mine
WHEN: Saturday, March 13, 2021
WHAT: Misc Minerals

WHERE: Bullard Mine
WHEN: Saturday, March 20, 2021
WHAT: Copper Minerals, Slag

WHERE: Camp Verde
WHEN: Saturday, March 27, 2021
WHAT: Glauberite Pseudomorphs

WHERE: Date Creek
WHEN: Saturday, April 10, 2021
WHAT: Quartz Crystals, Hematite ps Pyrite

WHERE: Sycamore Creek
WHEN: Saturday, April 24, 2021
WHAT: Red Jasper

WHERE: Christopher Creek area & Fossil Site
WHEN: Saturday, May 15, 2021
WHAT: Zebra Chert, Naco Fm. Fossils

DATES 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

WIRE WRAPPING

Watch for an email announcing the resumption of the wire wrapping group

FACEBOOK



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

AWARD-WINNING WEBSITE

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

If you have comments, contact Nancy Gallagher.

INSTAGRAM



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

Officers, Chairpersons, & Trustees

- President:** Ed Winbourne.....ewinbourne@gmail.com
- Vice President:** Bill Freese..... bfreese77@cox.net
- Secretary:** Rebecca Slosarik .. rslosarik1@gmail.com
- Treasurer:** Cynthia Buckner....Cbuckrun1@q.com
- Publicity:** Jessie Redmond...
- Membership:** Tiffany Poetsch tnpoetsch@gmail.com
- Editors:** Susan & Stan Celestian..... azrocklady@gmail.com
- Field Trip:** Bill Freese ... bfreese77@cox.net
- Mine Steward:** Stan Celestian..... stancelestian@gmail.com
- Show Chair:** Ed Winbourne
- Trustees:**

Cynthia V	Claudia M
Susan C	Tiffany P
Bob E	Jim R
Jennifer G	Witt R
Don R	Howard R
Jessica C.	Rebecca S
Johnaton M	Joe G
Clark L	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 2021

Jan 5, Feb 2, Mar 2, Apr 6, May 4, June 1, Sept 7, Oct 5, Nov 2, Dec 7

MEETINGS CANCELLED OR BY RESERVATION UNTIL FURTHER NOTICE, DUE TO COVID-19 RESTRICTIONS

Words of Wisdom

passed along by our own

Bob Evans



The 3 hardest things to say are:

- ◆ I was wrong
- ◆ I need help
- ◆ Worcestershire Sauce

NEEDED: QUALITY MINERAL (or OTHER) DONATIONS WITH LABELS -- for monthly raffle prizes; 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 EDITORS

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

UPCOMING AZ MINERAL SHOWS

November 28-29 - Wickenburg, AZ Wickenburg Gem & Mineral Society; Hassayampa Elementary School, 251 S Tegner St; Sat 9-5, Sun 10-4; Admission: Free. **CANCELLED**

January 1-3 - Mesa, AZ Flaggs Mineral Foundation; Mesa Community College, Mesa, AZ. **CANCELLED**

January -February - Quartzsite

Tyson Wells - January 1-10; 9-5 daily; check for updates on [Facebook](https://www.facebook.com/tysonwells.com/) or at <https://www.tysonwells.com/>

Desert Gardens - January 1-February 28; 9-5 daily; check for updates on [Facebook](https://www.facebook.com/desertgardens/)

Pow Wow - January 20-24; check for updates on [Facebook](https://www.facebook.com/powwowshow/) or at <http://www.qiaarizona.org/POWWOW-Show.html>

February 13-16 - Tucson, AZ Tucson Gem & Mineral Society; Tucson Convention Center, 260 S Church St; Admission Fee. **CANCELLED**

**Most of the main satellite shows are also now being rescheduled for April. These include: Mineral City, 22nd Street, Kino, Main Avenue, Miner's Co-op, Mineral & Fossil Marketplace, Pueblo, JOGS, GIGM, JG&M, & G&LW. The 1820 Wholesale Show is so far going on as planned + opening in April. Check [here](#) for your show of choice.*

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> For out-of-the-country shows: <http://www.mindat.org/shows.php?current=1>



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 - JANUARY

You are invited to return to NMVC Open Studio on Thursdays and the first, third and fifth Saturdays in January from 8:45 to noon with cleanup starting at 11:45.

NMVC requires that everyone wear a mask while in the building. (Other NMVC requirements will be sent in a later email or on premises.)

Only four people can sign up, and must do so for the full three hours that the shop will be open each day.

Please arrive no later than 8:45 a.m. The center may close 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

January – Thursday's dates are 7, 14, 21, 28
January – Saturday's dates are 2 & 16

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.

We would also like to inquire as to anyone wishing to come in for **Lapidary Only Open Studio on Mondays**. Email Shirley at crystalc17@gmail.com

January - Monday's dates are 4, 11, 18, & 25