



## From the President's Pen

Well, it appears we can no longer keep our Zoom meetings simply in the open, for simplicity sake of logging in or even on the hope that perhaps we get a random person interested in Earth Sciences stumble into our meeting. As many of you are painfully aware we were "ZoomBombed" during our February Educational meeting. Sadly, we actually were attacked twice, the first time with a rather rude bunch, and the second less heinous group of kids that quickly got bored and left. There will now be a password that will be provided along with the Zoom meeting invite. Please handle this password as you would your bank account password, it is just tiresome and rude to have random people interrupt our meetings for their own personal entertainment.

Now that is out of the way, I am hoping everyone is keeping an eye on the Mars Perseverance Rover landing. Technology has brought us a long way so that we are able to see, and hear what is going on around the rover. So if you have not taken the time to see what is happening with the Rover and Mars, I really recommend you do. Some incredible things are happening in our time that may be turning the page for our future!

I have attached a few links to some really interesting Geological and Earth Science studies that you all may find interesting. Please enjoy them and see you all in March at our next Educational meeting.

Clear insight into Earth's hidden crystals:  
<https://www.sciencedaily.com/releases/2021/02/210217091022.htm>

Rocks show Mars once felt like Iceland:  
<https://www.sciencedaily.com/releases/2021/01/210121131947.htm>

New mineral found in UK; Kernowite:  
<http://www.sci-news.com/geology/kernowite-09187.html>  
— Glenn Fiala

## Vice President's Corner

At the March 9, 2021 Educational Meeting we will again have a presentation from Frank Van Hecke. He will present many forms of SiO<sub>2</sub> – Quartz, and it's involvement with other minerals, and some crystal forms we love to gaze at (and study).

There is much more to this element than the white gravel in your garden, or the spaces filled after fissures are formed in jasper. Come be an active part of the club and expand your appreciation for the Quartz all around us, in person or on Zoom.

Snacks and camaraderie are free..... invitation has been made!  
— Vernon Deck

## Educational Program March 9, 2021

(In the Roebelen Center)



Frank Van Hecke's  
presentation on

## The Many Forms of SiO<sub>2</sub> (Quartz)

(Enter into the Fairgrounds by the normal route, park and walk up through the ticket booths entry, walk and go down into the Lobby/Atrium of the building.)

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## MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING FEBRUARY 9, 2021

**Call to Order** at 7:00 p.m. by President Glenn Fiala.

**Flag Salute.**

**Present:** Members, 35+, Juniors 4 and Guests 3.

**Welcome/Introductions** – Glenn had the guests introduce themselves and welcomed those members (14) who were watching via Zoom.

**Sunshine** – sympathy cards were sent to Jim Barton and Debbie Bunn.

**Junior Activities** – Carole Kowalik reported she had 4 Juniors. The lesson was on fossils. The activity was digging in the sand, finding fossils and putting them together. Isaac Harback was presented with the 4 badges he earned. He is working on 2 more badges.

**Treasurer** – Terry Yoschak sent in a report for the 2020/2020.2 show. The total profit was \$3,690. The show records are ready for an audit and Kim Fiala volunteered to do this.

**Secretary** – Florence Brady sent in a report, 207 (actually at 211) members.

**Vice President/Programs** – Vern Deck reported the program for March will be a presentation by Frank Van Hecke on SiO<sub>2</sub> -Quartz. He is working on several possibilities for future programs.

**CFMS Director** – no report, Director was absent. Glenn introduced Juanita Pardun, CFMS President, who reported Jim Brace-Thompson will be resigning as President of AFMS.

**Vests, tee shirts and patches** – Jan Kessler was absent. Contact either Glenn or Kim Fiala if you would like to make a purchase.

**Field Trips** – Gene Doyle reported on the upcoming field trip to the Pillikin Mine on Feb. 14<sup>th</sup>.

**Librarian/Historian** – Karla Shannon stated she is still organizing and cataloging into a new library list close to 500 books and items. She had several books, booklets and VHS videos not needed, for members to take home after the meeting. She had some interesting library books and magazines to check out.

**Zoom Broadcast** – due to being “hacked”, the broadcast was temporarily stopped and then restarted.

**Show Chair** – Jim Hutchings reported there is no show contract and explained the financial reasons why. Discussed holding a “mega tailgater”. He reported turnout in Quartzsite and Tucson was low.

**Lapidary Shop** – no report.

**Class Coordinator** – Cathy Nelson reported there are ongoing cab classes with the schedule in the bulletin. Appointments must be made as there are no drop-ins allowed.

**Refreshments** – Glenn encouraged members to sign up for the March Ed. Mtg. and future meetings.

**Old Business** – none.

**New Business** –

**Lifetime Membership** – Glenn shared information about the 3 members who have received Lifetime Membership. They are: Hugh Brady, Lillian Kirtley and Bob Willis. Lillian was present and received a certificate and a Lifetime Membership name badge.

**CFMS triangles and bars** – Officers present were presented with their CFMS triangles and bars.

**Drawings** – were not done as the Greeter was absent.

**General Announcements** – none

**Adjournment** – meeting adjourned at 8:15 p.m.

## MINUTES FOR ROSEVILLE ROCK ROLLERS BOARD MEETING FEBRUARY 9, 2021

**Call to Order** at 8:25 p.m. by Glenn Fiala.

**7 Officers** were present for a quorum.

**Membership Applications** – a motion was MSA to approve the membership application for Juanita Pardun and Cathie Shaw.

**Adjournment** – meeting adjourned at 8:29 p.m.

Respectfully submitted,

Cathy Nelson, Acting Secretary

### March Board Meeting

The meeting HAS BEEN SCHEDULED for Tuesday, March 23 at 7:00 PM in the club Lapidary Shop @the Grounds. It may be cancelled, so check your e-mails.

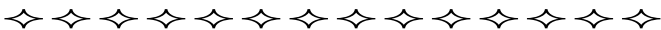


### ZOOM the March RRR Meeting!

Glenn Fiala is inviting you to a scheduled Zoom meeting.

Topic: Rock Roller Educational Meeting  
Time: March 9, 2021 07:00 PM Pacific Time

Check your emails for meeting link and passcode.



### March Refreshments

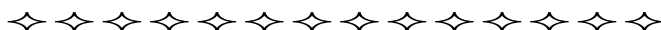


Refreshments for the March 9 meeting will be provided by Holli Hinkle, Sandi Baker, Linda Hamilton and Connie Simpson. Thank you all in advance!

**We could use some more people bringing refreshments to this meeting!**

**We will be accepting refreshment sign-ups for the upcoming spring meetings.**

**The refreshment sign-up sheet is at the entrance, on the Greeter's table.**



### Sunshine

When you know of any member who is ill or has been hospitalized, please contact our Sunshine Chair, Heather Crane, at (818) 903-4433 or hmcrane7@gmail.com

**RRR JASPER FIELD TRIP - NEAR CACHE CREEK**  
**March 14th, 2021**

**TRIP LOCATION** – Vernon A. Nichols County Park off of Highway 16.

**TRIP DIFFICULTY RATING SCALE:**

**Vehicle Access & Parking** - # 3 - 4 vehicle access and parking good for all vehicles and RV's, no specific handicap parking.

**Collection or View Site** - #5 – ¼ mile to site with easy walk.

**WHEN** – Sunday, March 14, 2021.

**SPONSOR CLUB** – Roseville Rock Rollers Gem & Mineral Society.

**LEADER & CONTACT INFO** – RRR Field Trip Leader, Gene Doyle, (408) 605-9457.

**MEMBER'S GUESTS** – Open to RRR Club Members, family, and friends.

**COLLECTION MATERIAL** – We will be looking for Jasper (various colors).

**PROPOSED SCHEDULE** – We will be hiking from the parked location at 9:30 am to an area where we will look for the Jasper. With walking time of 10 to 15 minutes and travel time to the location we should allot a minimum of 3 to 4 hours of time for this trip.

**MEET** - Meet at Vernon A Nichols County Park. Meeting time is 9:00 am. The parking is on the left side of the road.

**DIRECTIONS TO SITE** – Take I-80 west and then take I-5 north. Take exit 537 (E. Main St.) in Woodland and head west. E. Main Street turns into CA-16. Take CA-16 W to Rd 57 (7.5 miles north of Cache Creek Casino). Guinda, CA area, above Cache Creek.

**VEHICLE REQ'S** – Any vehicle is okay.

**CAMP/FACILITIES** –Park bathroom facilities maybe open.

**TOOLS** –Collecting bucket, rake or small shovel.

**SAFETY CONCERNS** – Stay out of the water. The water is cold, deep and sometimes fast moving. Watch out for rattlesnakes and poison oak.

**CLIMATE/WEATHER** – Typical March weather for this area, wet and cold.

**CLOTHING** - Wear clothing that will protect you from the rain/sun such as a hat, long sleeves shirt, pants, coat, and comfortable shoes.



**Rookie Rock Roller News**



The Rookies will meet in the Atrium again unless we are emailed otherwise. We will begin at 5:30 p.m. on March 9, 2021.

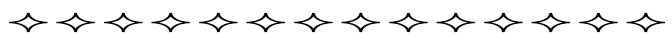
We will learn about fluorescent rocks. After the presentation, we will examine rocks which contain fluorescence. If you want to see if any of your rocks fluoresce, bring them to the meeting and we will check them out.

At our last meeting, we learned about the different types of fossils. After that, we went to dig for fossils and put them together like puzzles.

At the education meeting, Isaac Harback was presented with badges he had earned. It looks like he has been busy, because he has earned more to be presented on March 9th. Keep in mind, you have probably already earned badges that you don't realize. We can work on this over the phone. So text, email or call me to set up a phone meeting. We can also meet at my house, or a place of your choosing.

See you at the meeting,

*Carole Kowalik, Junior Advisor*  
(916) 871-0573 [home3004@gmail.com](mailto:home3004@gmail.com)



**FOOD** – Bring plenty of water. You can bring snacks and/or lunch. There are places to eat nearby for lunch (Cache Creek or local restaurants i.e., Common Farm Kitchen and Bar 5 min away).

**OTHER REMARKS** – The beaches around this area have a good variety of multi-color Jasper. If you want to venture further there's another park 11 miles further up the road on the left that also has access to Cache Creek. There is a scenic trail Rd. 40 that is a moderate to hard hike/bike ride with posted information on the geology and history of the area. This walk is gradually uphill. **NOTE:** There is a fee for this 2<sup>nd</sup> park. You may find free parking just outside the park near the trail.

## Stifle Claim RRR Field Trip - Near Georgetown April 11<sup>th</sup>, 2021

- This trip is open to all rockhounds who agree to abide by the AFMS Code of Ethics, the directions of the field trip leader and practice safe rockhounding.
- Call the field trip leader beforehand to sign up and for further information
- A Consent and Assumption of Risk Waiver of Liability form must be signed upon arrival at meeting site.
- The use of intoxicating substances during the effective hours of this field trip are expressly prohibited.

**TRIP LOCATION** – Stifle Claim (Traverse Creek Special Interest Area) off of Highway 193 near Georgetown.

### **TRIP DIFFICULTY RATING SCALE:**

**Vehicle Access & Parking** - # 3 - 4 vehicle access and parking good for all vehicles and RV's, no specific handicap parking.

**Collection or View Site** - #5 – 1/2 mile to site with moderate difficulty.

**WHEN** – Sunday, April 11<sup>th</sup>, 2021.

**SPONSOR CLUB** – Roseville Rock Rollers Gem & Mineral Society.

**LEADER & CONTACT INFO** – RRR Field Trip Leader, Gene Doyle, (408) 605-9457.

**MEMBER'S GUESTS** – Open to RRR Club Members, family, and friends.

**COLLECTION MATERIAL** – We will be looking for Vesuvianite, Clinocllore, and Grossular Garnets.

**PROPOSED SCHEDULE** – We will be hiking from the parked location at 9:30 am to an area where we will look for the Collection Material. With walking time of 10 to 15 minutes. We should allot a minimum of 3 to 4 hours of time for this trip.

**MEET** - Meet at Traverse Creek Special Interest Area. Meeting time is 9:00 am. The parking is on the left side of Bear Creek Rd road.

**DIRECTIONS TO SITE** – Take I-80 east to 49 south out of Auburn. At Cool turn left on 193 towards Georgetown. Turn left off of 193 onto Bear Creek Rd 1.7 miles after George Town Main St. Drive 1.3 miles on Bear Creek Rd to Traverse Creek. Parking is on your left.

**VEHICLE REQ'S** – Any vehicle is okay.

**CAMP/FACILITIES** –No bathroom facilities available at this location.

**TOOLS** – Rock Hammer, collecting bucket, rake or small shovel.

**SAFETY CONCERNS** – Stay out of the water. Watch out for rattlesnakes and poison oak.

**CLIMATE/WEATHER** – Typical April weather for this area, warm to Hot.

**CLOTHING** - Wear clothing that will protect you from the sun such as a hat, long sleeves shirt, pants, and comfortable shoes.

**FOOD** – Bring plenty of water. You can bring snacks and/or lunch. There are places to eat nearby for lunch (Georgetown).

**OTHER REMARKS** – There are additional hiking trails if you want to explore more of the park on your own after the field trip.



## Lapidary Shop & Class News

**Lapidary classes:** There are no classes scheduled at this time. Hopefully the COVID restrictions will lift in the near future.

**Lapidary Shop:** We are still open for the cabochon classes, open sessions and mineral ID. This will be by appointment only, there will be no drop-ins at this time. Classes will be limited to 4 students/ people at a time due to COVID mandates. Students must call the instructor for the day that they wish to attend for an appointment.

Everyone must wear a mask covering the mouth and nose while in the shop. Also, everyone must wash their hands or use a hand sanitizer before signing in.



The schedule is:

**Mondays:** 5PM to 9PM. Instructor is Vernon Deck. Please call him to set up an appointment. (805) 598-3206

**Wednesdays:** 11AM to 3PM. Instructor is Holli Hinkle. Please call her to set up an appointment. (916) 579-8011

**Wednesdays:** 5PM to 9PM Instructor is Fran Todd. Please call her to set up an appointment. (310) 987-0642

**Mineral ID:** with Jim Hutchings. Please call him for an appointment. (916) 995-7380

**NEW: Thursdays: OPEN SESSIONS:** Thursdays: 5PM to 9PM. Monitor is Holli Hinkle. Please call her to set up an appointment. (916) 579-8011

This open shop time is for those who have completed RRR's introductory cabochon class. Starting in March the open shop will be every Thursday. The usual \$5.00 shop fee will apply. — Please contact Cathy for any questions. 925-321-2024.

\*\*\*The Monday and Wednesday classes are still being limited to 4 students. Water is still off at the shop and we are working with bottled water and sponges.

*Cathy Nelson, Acting Shop Chairperson*

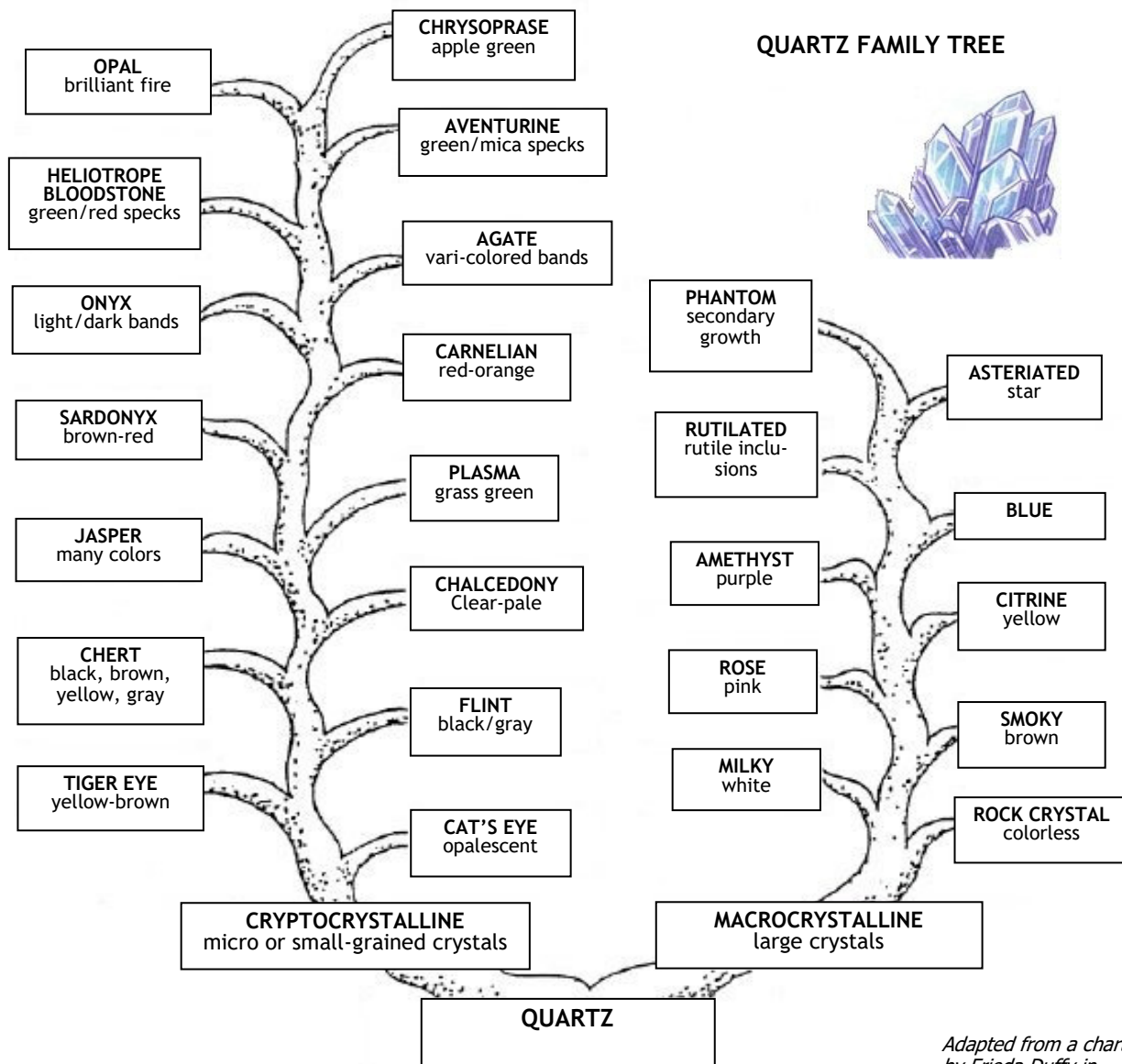


### March Calendar

Birthstone: Aquamarine



Sun	Mon	Tues	Weds	Thurs	Fri	Sat
	1	2	3 Lapidary Shop 11:00 am-3 pm 5:00-9:00 pm	4 Lapidary Shop 5:00-9:00 pm ***	5	6
7	8 Lapidary Shop 5:00-9:00 pm	9 Meetings: Rookies 5:30 pm Club 7:00 pm	10 Lapidary Shop 11:00 am-3 pm 5:00-9:00 pm	11 Lapidary Shop 5:00-9:00 pm ***	*** You must have completed the RRR introductory cabochon class to come to these Thursday sessions.	
14 Jasper Field Trip 9 AM	15 Lapidary Shop 5:00-9:00 pm	16	17  Lapidary Shop 11:00 am-3 pm 5:00-9:00 pm	18 Lapidary Shop 5:00-9:00 pm ***	19	20
21	22 Lapidary Shop 5:00-9:00 pm	23 Board Meeting 7:00	24 Lapidary Shop 11:00 am-3 pm 5:00-9:00 pm	25 Lapidary Shop 5:00-9:00 pm ***	26	27
28	29	30	31	For questions about classes, contact : Cathy Nelson (925) 321-2024 Email: canelson2@netscape.net		



## Some Important Rock Forming Minerals

By Lee Olsen

Of the over 2,000 minerals that have been named, only 11 are among the more important of the rock forming minerals. They are the building blocks of rock. Most of the rock forming minerals are compounds of **silicon** and **oxygen**, as the following list of minerals makes clear:

### Name and Composition

**QUARTZ** -  $\text{SiO}_2$

#### FELDSPAR

ORTHOCLASE -  $\text{KAlSi}_3\text{O}_8$

PLAGIOCLASE -  $\text{NaAlSi}_3\text{O}_8$ - $\text{CaAl}_2\text{Si}_2\text{O}_8$

#### MICA

MUSCOVITE -  $\text{KAl}_3\text{Si}_3\text{O}_{10}(\text{OH})_2$

BIOTITE -  $\text{K}(\text{Mg},\text{Fe})_3(\text{Al},\text{Fe})\text{Si}_3\text{O}_{10}(\text{OH})_2$

#### FERROMAGNESIAN MINERALS

HORNBLende -  $(\text{Ca},\text{Na})_2(\text{Mg},\text{Fe})_4(\text{Al},\text{Fe})_3\text{Si}_6\text{O}_{22}(\text{O},\text{H})_2$

PYROXENE -  $\text{Ca}(\text{Mg},\text{Fe},\text{Al})(\text{Si},\text{Al})_2\text{O}_6$

OLIVINE -  $(\text{Fe},\text{Mg})_2\text{SiO}_4$

**GYP SUM** -  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

**HALITE** -  $\text{NaCl}$

**CALCITE** -  $\text{CaCO}_3$

*via Strata Gem 11/00*

ROSEVILLE ROCK ROLLERS GEM & MINERAL SOCIETY  
BULLETIN EDITOR  
P.O. BOX 212  
ROSEVILLE, CA 95678

Send exchange bulletins to  
above address



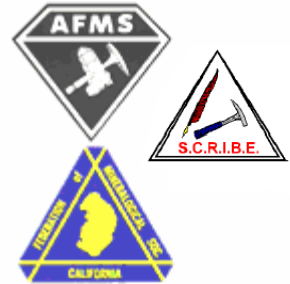
March 2021

**\* First Class Mail \***



the  
**ROLLIN'  
ROCK**

ROSEVILLE ROCK ROLLERS, INC.



MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES  
MEMBER, AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES  
VOL. 62 NO. 3 MARCH 2021

EDUCATIONAL MEETING 2<sup>ND</sup> TUESDAY OF EACH MONTH, 7:00 PM  
EXECUTIVE BOARD MEETING 4<sup>TH</sup> TUESDAY OF EACH MONTH, 7:00 PM

EDUCATIONAL MEETING LOCATION: @THE GROUNDS,  
JONES HALL, 700 EVENT CENTER DRIVE, ROSEVILLE, CA

*Changes and exceptions will be published in the bulletin.*  
**GUESTS AND VISITORS ALWAYS WELCOME**