



## From the President's Pen

It's May, and the rock hound fever is already beginning to bubble up inside me. Clean air, blue skies and good ol' earth under my shoes.

Somehow, we forget about the stones under our sleeping bags and bugs after our blood. There's just the thought of the next rock to be found that makes us smile and motivates us to climb just over that next hill, then the next. And then we have to make it back. Hopefully, we'll have rocks in our pockets and smiles on our faces.

Unlike others in our hobby, my grandparents didn't take us rock hounding. They took us fishing. Clean air, blue skies and good ol' earth under my shoes. Not many fish, but there were rocks to be found. Rock Hounding is good dirty fun. Pass it on!

— Teresa Johnson

*Check out all the field trips in this issue, on pages 7 & 10— Editor*

## Vice President's Corner

### Silicates

Minerals have been divided, categorized, and classified for hundreds of years. Ever since we have been able to analyze the chemical compositions of minerals, one of those categories has been silicates. That is because silicates are everywhere. Approximately 30% of minerals are silicates, and roughly 90% of the Earth's crust is composed of silicate materials.

The basic chemical unit for a silicate is  $\text{SiO}_4$ . The structure of this unit is a tetrahedron, or a three-sided pyramid. These tetrahedrons can exist as separate or double units, sheets, rings, chains, or create frameworks. It is this versatility that allows the incredible variety of this mineral classification to exist and for silicates to be so prolific.

Two of the more popular mineral classification systems, Dana Classification and Nickel-Strunz Classification, categorize the silicates by their molecular structure. There are six of these subclassifications.

### Nesosilicates

This subclass is made up of the simplest of the silicate molecular structures, the single unit structure. The tetrahedrons in these minerals are not bound to other tetrahedrons. The density of this structure leads to minerals with higher specific gravity, refractive indices, and hardness, which in turn, means these minerals lend themselves well to wearable gems. Included in this subclass are topaz, zircon, sphene, and all of the species of garnets.

*(Continued on next page)*

## Educational Program for May 12, 2015



I hope you are all saving your pennies, because the big event is here! It is time for the Annual Oral Auction! Hosted by our very own Hugh

Brady, this event is fun for all involved, even more fun if you bid, and the most fun when you win! Join us on Tuesday, May 12 and get your favorite items before they are going... going... gone!

**Special auction for Juniors only comes first, then General Auction.**

**See the list of all auction items online at  
[www.rockrollers.com/auction.html](http://www.rockrollers.com/auction.html)**

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## Sorosilicates

This subclass has a double unit structure, two tetrahedrons bound together by a single oxygen atom. This gives the basic sorosilicate unit as  $\text{Si}_2\text{O}_7$ . If our single unit tetrahedron is a three-sided pyramid, this sorosilicate unit is two of those pyramids joined at the apex. This odd structure looks something like a figure-8 or an hourglass. This is the smallest of the silicate subclasses. While many minerals in this subclassification are rare, some of the more common include epidote, hemimorphite, vesuvianite, and zoisite.

## Cyclosilicates

This subclass is also known as the ring silicates as the tetrahedrons link together to form a ring. The silicon to oxygen ratio is typically 1:3, forming a cyclosilicate unit that is represented chemically as  $\text{Si}_x\text{O}_{3x}$ . It takes at least three tetrahedrons to form a ring (benitoite is a good example of a three tetrahedron cyclosilicate), but can be comprised of four (axinite), six (beryl and the tourmaline group), and even more complex ring structures. Often, the ring structure directly translates to the crystal structure of the mineral. For example, benitoite has a trigonal crystal structure, and its crystals often grow in a triangular shape; and beryl has a hexagonal structure, and its crystals are often seen as six-sided columns. The stability of the cyclosilicate unit lends itself to forming many wearable gems.

## Inosilicates

This subclass is comprised of the chain silicates. The tetrahedrons link together to form chains. These could also be thought of as rings that are not brought around to complete the circle. Thus, single-chain inosilicates have a silicon to oxygen ratio that is typically 1:3, the same as the cyclosilicates. The double-chain inosilicates have a ratio of 4:11, or  $\text{Si}_4\text{O}_{11}$ . These slight differences in ratios result in a molecular structures that show themselves in the cleavage of the minerals. Single-chain inosilicates have a cleavage that forms square cross-sections, while the double-chains have a cleavage that forms rhombohedral cross-sections. Some of the more common single-chain inosilicates include neptunite, okenite, rhodonite, and the pyroxene group. The double-chain inosilicates include inesite, hornblende, and the amphibole group.

## Phyllosilicates

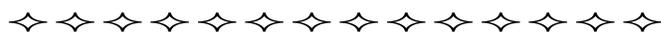
This subclass is comprised of rings of tetrahedrons linked together in two dimensions leading to a sheet-like structure and excellent basal cleavage. The result is that phyllosilicates have a silicon to oxygen ratio

that is typically 2:5. The phyllosilicates are typically hydrated, meaning that a molecule of  $\text{H}_2\text{O}$  or  $\text{OH}$  is in the chemical formula of the mineral. These molecules are typically found between the sheets of tetrahedrons which is why the phyllosilicates tend to have a very low hardness. The sheets are typically flat and platy, but can also be found rolled up in tubes so that the cleavage causes fibers to form as in chrysotile (asbestos). Some of the more common phyllosilicates include the mica group, cavansite, prehnite, talc, and the chlorite group.

## Tectosilicates

This final subclass is known as the framework silicates. It is thus called because the tetrahedrons are linked together in three dimensions resulting in all of the oxygen atoms being shared with a silicon to oxygen ratio of 1:2. Its purest form, just silicon and oxygen in the ratio of 1:2, this tectosilicate is called quartz ( $\text{SiO}_2$ ). With the exception of the quartz group, all other tectosilicates contain aluminum as it easily substitutes for the silicon in the molecular structure. While silicates make up roughly 90% of the Earth's crust, the tectosilicates alone make up roughly 75% of the Earth's crust, making it, by far, the largest subclass of the silicates. Other than the quartz group, some of the other common tectosilicates include the feldspar group (including albite, labradorite, microcline and orthoclase), and the zeolite group (including heulandite, mesolite, natrolite and stilbite).

— Matthew Stanley



## May Board Meeting

The meeting will be held Tuesday, May 26, at 7:00 PM in the club Lapidary Shop at the Roseville Fairgrounds.



## May Refreshments



Refreshments for the May 12 Educational meeting are to be provided by Holli Hinkle, Chuck & Evelyn Neely, Kathy Krause, Elizabeth Rosales and Christina Rhodes. Thank you all in advance!

**We would appreciate if each family would sign up and bring a refreshment once in 2015.**

## Rookie Rock Roller News



The Rookies will meet in the lapidary shop at 5:30 p.m. on May 12, 2015. At our last meeting in April, we were so pleased to hear Aiden's presentation on Halite. He did a great job. He and his dad brought pink halite samples for the juniors' collections. Teresa Johnson and Kim Loe also donated halite crystals from their dig in Trona. The specimens were multi-faceted crystals of light and dark pink.

The Rookies created large scale salt crystal molecules made from toothpicks, pink marshmallows and gumdrops. Very tasty!

For our May meeting, Kaleb will give a presentation on Volcanic Materials. An activity will follow his talk. Let me know if we need to meet to work on badges. You will be surprised that some have already been earned.

See you at the meeting,

*Carole Kowalik, Junior Advisor*  
916-705-2124      *home3004@gmail.com*



## In Memoriam

### Sam Markley

Regretfully, we lost one of our long time members, Sam Markley, on the 14th of April. He was a member of the Roseville Rock Rollers, River City Prospectors (GPAA) and Mother Lode Goldhounds.

Sam was retired from the Air Force and shared much information on rock hounding, gold panning, prospecting and many, many other subjects. He loved to tell tales of times gone by, interspersed with words of wisdom for new adventurers.

Sam was always eager to donate many, many items to our club's various raffles over the years, and he eagerly shared his knowledge and experiences. He will be missed. Rest in peace, Sam.

His wife Henrietta invites you to a memorial service for him at:

Lambert Mortuary, 400 Douglas Blvd,  
Roseville, CA, on May 9, 2015, 11:00AM.

## Welcome New Members:

Robert Anderson  
John Barringer  
Monty Clark & Carol Fonda-Clark  
Ray Cornett  
Ed & Valerie Ernst  
Nancy Flagg  
Elle Gregory  
Michael & Rene Hunerlach  
Michael (Mike) Hunerlach  
Karen Jaramillo  
Trina Keller  
Britt Mutchler  
Cathy Nelson  
Jennifer Notley  
Lonnie Riggs  
Debi Roberts

## Welcome New Junior Members:

Brad Ernst  
James Ernst  
Isabella Jaramillo  
Katherine Jaramillo  
James Notley



## Sunshine

Sympathy cards were sent to Gloria Marie, for the passing of her nephew, and Henrietta Markley for the passing of her husband Sam.

When you know of any member who is ill or has been hospitalized, please contact our Sunshine Chair, Cyndy Burchard, at 530-346-9481, or [cyned0523@yahoo.com](mailto:cyned0523@yahoo.com).

Roseville Rock Rollers      [www.rockrollers.com](http://www.rockrollers.com)

# TAILGATOR      ROCK SWAP

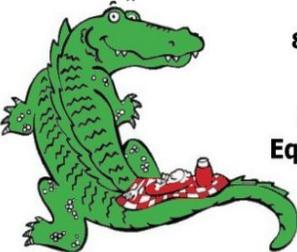
**SATURDAY, JUNE 6, 2015**  
8:00 AM - 2:30 PM at the Lapidary Shop  
Placer County Fairgrounds

**Come to buy, trade, swap, & show  
Equipment, rocks & rock related items,  
Lapidary, fossils, crystals**

**KIDS & FAMILY-FRIENDLY EVENT!** 

**\$10 for a space — Free admission to public**  
To sign up, contact Teresa at 916-929-0701

**Rocks sold BY THE POUND in our large ROCK PILE !**



## Don't Miss the 2015 CFMS Show!

The California Federation of Mineralogical Societies, Inc. (CFMS) Show in Lodi June 12-14 is fast approaching! Thanks to the few who have favorably responded and thanks in advance to those of you who will step up and get involved and make the RRR team a significant player in this fun show.

At this show we will have a "Club Central" area where representatives from different clubs can provide club information and sign up new members. It will be a great opportunity to meet people and exchange information with rock clubs from different communities. There are also opportunities to help with the youth activities, set-up or take-down, and donate prizes or auction items from your collection. Together we can make the CFMS Show as exciting and successful as our own.

Being a member of the Roseville Rock Rollers includes affiliation with the CFMS and the American Federation of Mineralogical Societies (AFMS). The leaders in these organizations work hard to lobby the government and land owners to maintain laws at the State and Federal levels that are favorable to our activities and help keep lands open for us to explore. They also provide us, as individuals and groups, with guidelines to follow which help us with environmental concerns, field trip and shop safety, and the future of our clubs as a growing positive influence in our communities.

By combining the over 100 California clubs under the umbrella of the CFMS we obtain a "better deal" on the insurance we are required to have for our activities. We develop a broader wealth of knowledge and expertise and we have access to more field trips and activities regarding geology, fossils, lapidary, rock and mineral identification and collecting. We have many more instructors with proven skills available to teach the variety of art forms that make great hobbies for many of us thanks to our Federation connections.

The Annual Earth Sciences Camps like the one just past at Camp Zzyzx (March 29 to April 5, 2015) held in the Mojave Desert near Baker, CA, or the upcoming annual Camp Paradise at 12725 LaPorte Rd, Clipper Mills, CA (Week 1: August 30-September 4 and Week 2: September 6 - 11) that both sell out are organized by the CFMS. More information and applications to Camp Paradise are available from me or the Federation's web site; [www.cfmsinc.org](http://www.cfmsinc.org). Both of these camps offer great workshops for rockhounds and lapidary artists. Camp Paradise is about 75 miles North of Roseville. To insure your spot, make your plans and sign up early!

There will be CFMS/COOP field trips at the show. The Mariposite trip off Hwy 49 that Roseville did a few years ago will meet at 0900 hours on Saturday at the show. Gordon Standlee will be the field trip leader. Gordon is also working



**CALIFORNIA'S  
GOLDEN BEAR**

CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES  
**2015**  
**JEWELRY, MINERAL & GEM FESTIVAL**

June 12, 13 & 14, 2015  
10am - 5pm Friday & Saturday  
10am - 4pm Sunday  
Lodi Grape Festival & Harvest Fair  
413 East Lockeford Street, Lodi, Ca  
[www.cfmsinc.org](http://www.cfmsinc.org)  
\$6 Adults, Children under 12 Free

on other field trips.

Please put the three day CFMS Show (June 12-14) on your schedule and contribute a few hours to its success. The Lodi Grape Festival grounds are located just about one hour drive (50 miles) from our Lapidary Shop. Map the location in advance to make your trip easy. 413 East Lockeford Street, Lodi, CA 95240.

We are a very large club and our gratitude to the Federation is best shown by our involvement in this coming Federation show.

**Email me at [chuckneely@comcast.net](mailto:chuckneely@comcast.net) with any questions or ideas and sign-up to participate.** Opportunities for ridesharing are welcome, too!

*Chuck Neely*  
RRR CFMS Federation Director

**Chuck has Show raffle tickets available!**

**CFMS SHOW in Lodi, June 12, 13, 14**

**For more info:**

**[www.cfmsinc.org/2015show/2015Show.html](http://www.cfmsinc.org/2015show/2015Show.html)**

## Lapidary Classes

**Lapidary Classes** - Introduction to Shop Use & Cabochon making is \$10 per class for 5 classes or \$45 paid in full. Our Rock Hound Oasis is staffed Monday & Wednesday nights 5 pm - 9 pm! Learn more about the Lapidary Arts & Cabochon Making. A DVD is available for viewing at the Shop for Cabochon Making.

Regular \$5 per day or \$20 monthly rates apply for lapidary shop use after Orientation/Introduction classes.

Shop fee: Daily: \$5 or Monthly: \$20.

Large & Extra Large Saws: \$1 per slab for 18 inch saw & \$2 per slab for 24 inch saw for cutting large & extra large rocks.

### Wire Wrapping GET Together!

Get Crafty! We meet every other Thursday 12 pm to 3:30 pm. We'll be working with wire - bring your own projects  
**Thurs. May 7.**

The next get together (**May 21**) will be a Viking Knit class.

### Chain Maille Class with Judy Osmundson

Learn to cut your own rings and weave a chain maille bracelet. Bring a pair of chain nosed pliers and a pair of bent chain nosed pliers. Wire will be provided. Fee: \$25

**Sat. May 9.** 9 am to 12:30 pm

### Viking Knit Class with Judy Osmundson

An easy way to make woven wire cord for bracelets and necklaces! Viking knit chain tutorial. Learn to weave a Viking knit bracelet. Bring a pair of wire cutters, some chain nosed pliers and an awl or small knitting needle to use as a pick. Wire will be provided. Dowels and draw plates will be provided also. Fee: \$25



**Sun. May 10,** 9 am to 12:30 pm

**Thurs. May 21,** 12 to 3:30 pm

### Opal Workshop with George Comas

 Fee: \$10

Open Opal workshop! (Opals are available - included in fee) Doublets & Triplets, Boulder, Black & Honduran Opals. **Thursdays, May 7 & May 14,** 6 pm—9 pm.

### Intarsia Workshop with George Comas

 Fee: \$10

Intarsia is the making of a picture or geometric design using slices of natural stones. - The Opal & Intarsia classes will be open for drop-in & running concurrently.

**Thursdays, May 7 & May 14,** 6 pm—9 pm.

### Beginning Wire Wrap Class with Judy Osmundson

**Sat. May 16,** 9 am to 12:30 pm Fee: \$25

### Wire Wrapping with Jennifer Rhodes

Jennifer was a demonstrator at our Show.

Sign-up now to reserve your spot!

**Sat. June 27,** 9 am to 12:30 Fee: \$30

### Mineral ID with Jim Hutchings

TBA Sign-up for next offering.

Learn the necessary tools, books & techniques of identifying rocks & minerals! Fee: \$25

### Faceting Workshop with Jay Conner

Sign up now for the next offering!

This is an excellent class, it is held offsite on a Saturday.

### Stereo-Microscope Workshop

TBA Sign up for next offering. Hands-on workshop on identifying gems and minerals, detecting flaws in lapidary material, and enjoying the beauty of smaller specimens. Scopes provided or bring your own. Fee: \$5

### Fluorescents, Petrified Wood & Other Minerals with Don Tadlock

 Don is an avid collector with an immense love and knowledge of the rocks he collects.

Sign-up! - Necessary for a Saturday, 2:30 pm - 4:30 pm

### Turquoise Workshop

TBA - Sign-up for next offering.

How to work with turquoise. Use with turquoise, azurite, & more. Max: 7. Fee: \$5

### Lapidary Shop Maintenance Class FREE

Lapidary Shop Maintenance Workshop! We need to update our lapidary Shop! We would like to schedule a day & time to come together and get our machines & work space cleaned up & in working order. RSVP to let us know you'd like to help.

### Tumble On! Rock Tumbling

TBA. Fee: \$10



### Beading Cabochons

Learn to make a seed beaded bezel for your cabochons to hold them securely in place. Sign-up & indicate what day (s) & times you have available.

**Remember - We ask that you sign up ahead of time for classes.** For our classes listed as by appointment or TBA, we build the class based on sign-ups & instructors schedules. In other words, we make the date when we have sign-ups. Our Wire Wrap classes can be set up for a minimum of 3 people.

Shop Clean-up is something everyone does!

Use the full surface of the belts - to prevent premature wearing. A DVD is available for viewing at the Shop for Cabochon Making.

We really need someone to stop by and empty the 5 gal buckets for our lapidary equipment.

If you want to sign-up for any of the above classes, email: [classesforrockrollers@gmail.com](mailto:classesforrockrollers@gmail.com)

## A ROSEVILLE ROCK ROLLERS "ROCK HOUND RENDEZVOUS" AT VIRGIN VALLEY, NV

**TRIP LOCATION:** Virgin Valley, Nevada.

**WHEN:** (Memorial Day Weekend Friday, May 22 – Monday, May 25,).

**MEMBERS' GUESTS:** This is a private mining claim open to the public. Anybody may join us at the mine camp site. There are no organized outings scheduled for this trip. Mining at the mine **is not** required for camping at the mine and with the group. As it is a private facility, there are no insurance requirements for those attending. Should there be an organized, off site, trip for collection of other materials, those participating may be required to sign an informed consent and waiver. No contact with Leader is required. Just show up.

**COLLECTION MATERIAL:** opals, preserved and petrified wood, selenite, and opalite. Apache Tears, Carnelian, and colorful Agates and Jaspers are found in the region close by.

**LEADER & CONTACT INFO:** Jim Hutchings, 530-367-5108 or 916-995-7380 [jhutchings22@hotmail.com](mailto:jhutchings22@hotmail.com) prior to and at the camp if the Wi-Fi is up.

**PROPOSED SCHEDULE:** Fri. (or before), Arrive at the Royal Peacock mine, set up camp. Saturday, dig in bank or tailings at the Royal Peacock or bucket load and tailings at the Rainbow Ridge Mine. Sunday, the same. Monday. Depart for home. Drive time from Roseville is approximately 8 - 10 hours.

**MEET:** At the Royal Peacock Opal Mine and campsite. Lines for both opal mines start at 7:00 – 7:30 am. Rainbow Ridge requires ½ hour travel time from the Royal Peacock. Start times for tail digging is anytime. Go on-line to Virgin Valley and Royal Peacock -- <http://www.royalpeacock.com>. Or [www.rainbowridge.com](http://www.rainbowridge.com). Bank material at the Rainbow is delivered in a pile by the owner operators and reservations are recommended for a "Pile" well ahead of time for this busy weekend.

**DIRECTIONS TO SITE/CAMP:** From Hwy 80 at Winnemucca, go north on Hwy 95. From Hwy 95, go west-northwest on Hwy 140. Hwy 140 will make a sharp left west at Denio Junction. Just after topping out on the Dufferena Grade, watch for the Opal Mine signs and turn left. Driving on the dirt road for several miles, you will pass The Fish and Wildlife station and arrive at the old CCC camp and ponds. Continue on the main road turning right, take the right turn at the fork in the road and watch for the signs to Royal Peacock 13 miles. The roads are dirt and gravel but absolutely no challenge to 2 wheel drive and low clearance vehicles. An alternate path is from Reno North to Lakeview Oregon, and then East on SR 140 to Virgin Valley Road. Either way, gas up at Denio or Lakeview prior to heading into Virgin Valley if you plan on doing any exploring. Some folks stay in Winnemucca Thursday or Friday night and can expect a two hour drive from Winnemucca to the mines.

**CAMP/FACILITIES:** The Royal Peacock has been charging \$12 per night per person for dry camping, showers, and flush toilet. The Royal Peacock has several "minimalist" trailers and

a cabin for rent. However, you should make a reservation early. Keep in mind, they are not five star facilities.....There are RV hook-ups available. Ice is available until about Sunday afternoon on busy weekends. The "store" has water, soda, and snacks available. There is a one way pay telephone to the outside world, bring lots of quarters. No cell service in the valley. There is an outhouse up at the mine site, bring extra toilet paper. Wi-Fi is available at the Royal Peacock and some visitors have been able to get Verizon Cell service from the Rainbow Ridge Mine.

**TOOLS:** Small pick, garden rake, small shovel or trowel, screwdriver (or similar tool), 5 gallon plastic buckets (one for sitting on), gloves, water squirt/spray bottle, kneeling pad, rock hammer, chisel, sledge hammer, hat sunscreen, collecting bag. The Estwing (now a Kingsley North product) gad bar makes an excellent chisel for working in this material. Plastic bags or larger wide mouth plastic containers for keeping wet opals wet in water.

**SAFETY CONCERNS:** Protection from sun, rattlesnakes, wild burros. There are some mosquitoes depending on wind and temperature. The same goes for no-see-ums! You will want to spray your hair with DEET to prevent these rascals from biting your scalp. This is a kid-friendly site. As always, children should be well supervised. Those digging in the bank should pay close attention to instructions regarding undercutting. Those who do not cave their wall so as to avoid undercutting will be asked to leave the bank. The BLM and MSHA visit the site and will shut the digging down if the mine operators do not seriously enforce this safety procedure.

**CLIMATE & WEATHER:** Variable, desert area. It may rain, snow, or be unbearably hot this early in the season. This year's weather patterns are consistent with years past when the weather was cool at night but warm during the day. This may be a great year without snow or ice temperatures at night. It is recommended that you check Weather Channel or Accu-Weather for local weather at Denio prior to travel to make sure you are prepared. The desert winds can be strong, if you are tent camping, make sure you bring solid stakes and tie downs or your tent will end up in Wyoming! Bring firewood!!!

**FEES:** prices may go up for 2015 and are not known at this time. Last year fees were: digging at the bank at Peacock is \$180, tails at around \$70. Bucket loads at Rainbow Ridge were \$500 for up to three persons, and \$70.00 for tails. There are no obligations to dig at either mine while camping at the Royal Peacock and the region surrounding the opal camp is a treasure trove for mineral collectors and rock hounds. High clearance vehicles and slow speeds are recommended when traveling on any of the dirt roads outside of the Virgin Valley mining camps.

**REMEMBER TO BRING:** Bug spray, extra water, tent stakes, sunscreen, carpet or foam pad to sit on, plastic rain poncho for momentary sprinkles or showers, camp fire wood, camp chair, Wampum Sticks if you have one, adult beverages are allowed at the campfire. Howling at the moon is required.

## A "CO-OP MEMBER" FIELD TRIP TO BRIDGEPORT, CA, TRAVERTINE HOT SPRINGS

See general Co-Op trip rules on Page 10.

### TRIP LOCATION – TRAVERTINE HOT SPRINGS BRIDGEPORT, CALIF.

#### TRIP DIFFICULTY RATING SCALE Easy

Vehicle Access & Parking – parking lot can fill up in the afternoon.

Collection or View Site - Easy

WHEN – June 20th

SPONSOR CLUB – Mother Lode Mineral Society

CONTACT NAME - Misty Watson  
(209) 480-3176 mistywatsonc21@hotmail.com

MEMBER'S GUESTS - Allowed

COLLECTION MATERIAL – Travertine

PROPOSED SCHEDULE - Meet at Hot Springs at 10am, explore mine sites later in the day.

MEETING LOCATION - Meet at Travertine Hot Springs 10am. I will be there at 9:30 am. Head east on US-395 South towards Lee Vining from Bridgeport, turn left on Jack Sawyer Rd stay straight as pavement ends just past the turn off to county maintenance/animal control on the left side, if you turn to the right and end up at the transportation station double back. Go 2.2 miles to Hot Springs. A BLM sign- "Travertine Hot Springs" will be at about the half way mark. See maps. Pit toilet, no water. Bring lunch, water and a swim suit if you want to soak in the springs.

VEHICLE REQ'S – any vehicle. Some bumpy areas on dirt up to the site.

CAMP/FACILITIES – motels in Bridgeport. DIRECTIONS TO CAMP SITE- USF Camping site- Buckeye Campground. \$15 a night \$5 extra vehicle. NO Potable Water. Pit toilets. Get water at the park in town by the museum.

1. Follow Highway 395 south just as you get into Bridgeport, turn left on Twin Lakes Rd and travel approximately seven miles.
2. Turn right on Buckeye Road at Doc and Al's Resort and travel about 3 miles.
3. Turn left at fork and travel another mile to campground. I will post which loop and site I will be staying in. Hopefully I'll be able to get the same site as last time that has cell phone coverage. I will be at the campground Friday night. Look for my note with my camp site # on the information board.

TOOLS – Small pick for surface material. Hard Rock

tools-sledge hammer-gad if collecting from face.

SAFETY CONCERNS – some areas at the springs have very hot water! Watch where you step and keep a close watch on children and pets. Always assume the water is very hot. There can be some nudity at times.

CLIMATE/WEATHER – weather can be snowing to hot. Be prepared for variable weather.

CLOTHING – Bring swim suit if you want to go in the springs. Be prepared for variable weather. It can be cool in the morning then hot in the afternoon.

OTHER REMARKS – Other pursuits- Fishing. Hot springs at Buckeye Campground & Travertine Hot Springs. Museums in Bridgeport, Bodie Ghost Town. I will go exploring north of Bridgeport to some abandon mining sites in the afternoon if anyone would like to joint me. May need 4 wheel drive or high clearance depending on the dirt road conditions.

FEES - none



## A "CO-OP MEMBER" FIELD TRIP TO MASON PASS, NV FOR TURQUOISE

Extra waiver required—see below

WHEN: June 13, 2015

LEADER: Thaleia Georgiades 530-957-3800,  
thaleia@directcon.net

COLLECTION MATERIAL: TURQUOISE & Copper Minerals: Chrysocolla, Malachite, Azurite, Cuperite, Quartz, Crystals

Mark your calendar for a fun trip to Mason Pass, between Smith Valley & Yerington, NV. We've got permission from the claim owners of a historic copper & turquoise mining area to collect a variety of copper related minerals. Of particular interest is the Turquoise in the area, especially from the former Stone Mountain Mine. You can look up Stone Mountain Turquoise on line to see some of the turquoise & history of that mine. The area offers mostly surface collection & some minor digging. The area spans several miles over rolling barren hills via dirt roads & trails. Most are drivable but dusty; some are better for 4WD vehicles. I'll provide

*(Continued on next page)*

you with a map when you get there. Participants should be prepared to hike up & down rolling hills. There are some old mine shafts & adits; most are fenced off. DO NOT enter any mine openings. There is some current test drilling in the area.

**TOOLS, CLOTHES & VEHICLES:** Bring small digging tools such as pick, rock hammer, rake, shovel, gloves, goggles, knee/ground pad, garden claw, 5gal bucket, day pack, etc. You'll definitely need a hat & lots of water. The area has little to no shade & strong sun. Wear a hat & sturdy shoes or hiking boots for climbing around. Layer clothing for temperature changes. Any vehicle will be okay but some spots may be a challenge for low clearance vehicles.

**HAZARDS:** Possible rattlesnakes, loose rocks, sun exposure. Use caution around mine openings & do not enter! There are no fuel stations, stores, services or restrooms anywhere near Mason Pass. Come prepared.

**DIRECTIONS:** It's a gorgeous drive so bring your camera! Placerville to Smith Valley is about 3 hours drive. The best route is Hwy 50 east toward Tahoe, right on Hwy 89 at Meyers, over to Hwy 88 in Hope Valley. Left on Hwy 88 down to blinking light in Woodford's, right on Hwy 89 through Markleeville, along the East

Fork of Carson River. Left on Hwy 89, over Monitor Pass & down to Hwy 395. Right on Hwy 395 to Holbrook Junction. Left on Hwy 208 to Wellington, NV. Meet in front of the Smith Valley Community Hall on the right as you approach Wellington, just past the farm equipment sales lot. There is a campground in Wellington, Smith Valley & Yerington. See back for a list of lodging options. No fuel stations in Mason Pass area so fill up before you arrive.

**ITINERARY:** Saturday morning, June 13th, 8:30: Meet in front of the Smith Valley Community Hall, white building, on right side of Hwy 208 as you approach Wellington. We will caravan through Smith Valley & north to Mason Pass. Once we leave the main road, things get very dusty but roads are very good. **SUITABLE FOR JUNIORS.**

Contact THALEIA via e-mail with questions. Phone service is poor at our location.

\* Participants are required to sign and return to Thaleia the liability release form for the claim owners **BEFORE** arriving at the site. This form will be emailed to club members shortly, or pick one up from Gene Engelbrite at the Educational meeting. \*



## May Calendar

Birthstone: Emerald



Sun	Mon	Tues	Weds	Thurs	Fri	Sat
For more class information, contact Class Coordinator: Teresa Johnson 916-929-0701 or email: classesforrockrollers@gmail.com					1	2
3	4 Lapidary Shop 5:00-9:00 pm	5	6 Lapidary Shop 5:00-9:00 pm	7 Get Crafty! 12- 3:30 pm Opal & Intarsia Workshops 6pm—9 pm	8	9 Chain Maille 9 am-12:30 pm
10 Viking Knit 9 am—12:30pm	11 Lapidary Shop 5:00-9:00 pm	12 Meetings: Rookies 5:30 pm Club 7:00 pm	13 Lapidary Shop 5:00-9:00 pm	14 Opal & Intarsia Workshops 6pm—9 pm	15	16 Beginning Wire Wrap 9 am-12:30 pm
17	18 Lapidary Shop 5:00-9:00 pm	19	20 Lapidary Shop 5:00-9:00 pm	21 Get Crafty! 12- 3:30 pm Viking Knit	22 Virgin Valley Rock Hound Rendezvous	23
24/31	25 	26 Board Meeting 7:00 pm	27 Lapidary Shop 5:00-9:00 pm	28	29	30

## MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING APRIL 14, 2015

- Call to Order** by President Teresa Johnson at 7:04 p.m.
- Flag Salute** – led by Jon North.
- Present:** 77 Members, 1 Rookie and 18 Guests. Guests were acknowledged.
- Sunshine Report** – a sympathy card was sent to Gloria Marie.
- Juniors' Activities** – Carole Kowalik reported 12 juniors were in attendance. Aiden Morris gave a presentation on pink halite. Samples were given for the juniors' collections. Teresa Johnson and Kim Loe donated some of their Trona specimens for their collections. As pink halite is salt, the juniors made salt molecules from toothpicks, gumdrops and pink mini marshmallows.
- Treasurer** – Terry Yoschak requested a volunteer to audit the 2014 financial records for the Society. Kim Fiala volunteered. Deadline for submitting show expenses, April 14, 2015.
- Secretary** – Florence Brady reported she is receiving applications for membership.
- Program** – Vice President Matthew Stanley reported next month's program will be an oral auction.
- CFMS** – Director Chuck Neely reviewed an upcoming field trip to Montana this summer. Also mentioned to members the need for volunteers during the CFMS show. He brought applications for Camp Paradise.
- Field Trips** – Gene Engelbrite said they took a field trip to Foresthill with RRR member Jim Forman. He reviewed upcoming field trips which are/will be published in the bulletin. The field trip in June for sunstones will just be for RRR members.
- Librarian/Historian** – Karla Shannon reviewed the checkout procedure.
- Refreshments** – signups are needed for May.
- Lapidary Shop** – the maintenance day for Saturday, April 18<sup>th</sup> will be cancelled.
- Classes Coordinator** – Judy Osmundson reviewed upcoming classes. A wire play day was held. Another "crafty" get-together will be on April 23<sup>rd</sup> at noon.
- Silent Auction** – Hugh Brady reviewed some of the items on the tables.
- Show** – Jim Hutchings reported it was a very successful show, with many positive comments and a record attendance. Post show committee meeting will be on April 21, starting at 7 p.m.
- Workers' Raffle Drawings** – winners were: 1<sup>st</sup> place, Debbie Bunn, 2<sup>nd</sup> place, John McPherson, 3<sup>rd</sup> place Sandi Master-son and 4<sup>th</sup> place Michelle Southard. 1<sup>st</sup> place prize was a large piece of amethyst crystals. The 2<sup>nd</sup> – 4<sup>th</sup> place winners have their choice of either a free family membership or a vest with a patch. Five members' names were drawn for receiving a specimen of gold from Jim Hutchings.
- Drawings** – winners were: Member, Christina Rhodes, Junior Quentin Stanley and Guest Carole Clark.
- Old Business** – tailgater will be June 6.
- Program** – Jim Hutchings shared photos and information on the shows and venues at Quartzsite and Tucson.
- Adjournment** – meeting was adjourned at 8:45 p.m.

## MINUTES FOR ROSEVILLE ROCK ROLLERS BOARD MEETING APRIL 14, 2015

- Call to Order** by President Teresa Johnson at 9:02 p.m.
- Present:** 10 officers for a quorum.
- A motion was MSA** to accept the membership applications for 24 applicants received during or after the show. The applicants are: Robert Anderson; John Barringer; Monty Clark; Ray Cornett; Ed & Valerie Ernst, Brad & James Ernst, Jrs.; Nancy Flag; Carol Fonda-Clark; Elle Gregory; Michael & Rene Hunerlach; Michael (Mike) Hunnerlach; Karen Jaramillo, Isabella & Katherine Jaramillo, Jrs.; Trina Keller; Britt Mutchler; Cathy Nelson; Jennifer Notley & James Notley, Jr.; Lonnie Riggs and Debi Roberts.
- Adjournment** – meeting was adjourned at 9:04 p.m.  
Respectfully submitted,  
Florence Brady, RRR Secretary

## MINUTES FOR ROSEVILLE ROCK ROLLERS BOARD MEETING APRIL 28, 2015

- Call to Order** at 7:00 p.m. by President Teresa Johnson.
- Roll Call:** all officers present except for Cathy Hutchings, 2 guests, Colleen Ballard and Evelyn Neely.
- Minutes** a motion was MSA to approve the minutes for Bd. Mtg. March 24, 2015 and Ed. & Bd. Mtgs. for April 14, 2015.
- Treasurer** – Terry Yoschak reported no new bills and that the Society's financial records are being audited.
- Correspondence** – Teresa brought a form from the Roseville Post Office which requested updated information regarding the 3 names that should be on this form, for accessing the PO Box. An option to pay automatically for the rental fees is available.
- Membership** – no new applications. (24 were received during or after the show.) Total membership 272.
- Programs/Vice President** – Matthew Stanley reviewed upcoming programs for the monthly Educational Meetings. May will be the annual Oral Auction, conducted by Hugh Brady and June will be a program presentation by Kris Rowe, "Rockhounding in Central CA, Desert to the Sea". Matthew is working on a presenter for the Sept. mtg. A motion was MSA to have Kris Rowe be the presenter for the June Ed. Mtg. and to pay him a stipend of \$75.
- Librarian/Historian** – Karla Shannon reported she is taking classes in Excel and will use this program to update the list of library materials available for members. Discussed the need to either discard some older editions or add more library shelves.
- Bulletin** – Terry reported the deadline for the May bulletin is Friday, May 1<sup>st</sup>. She requested information on upcoming field trips and on former RRR member Sam Markley who passed away on April 14<sup>th</sup>.
- Field Trips** - Gene Engelbrite discussed some upcoming field trips. He will verify when the field trip to Plush, OR for sunstones will be. (? June 20<sup>th</sup>). Discussed were  
(Continued on page 10)

upcoming field trips for turquoise and other minerals.

**CFMS Director** – Director Chuck Neely reported he has CFMS Raffle Tickets available, 5 for \$20. He will be signing up volunteers to help with this show. A write up will be in the bulletin. Several RRR members already will be helping. Chuck will have a list for signups available at the upcoming Ed. Mtgs. Jim Barton discussed CFMS’s need to have assistance in advertising the show. Jim Hutchings reported information was given to them in the past.

**Lapidary Classes** – Teresa reported the “Crafty Ladies” are meeting during the day on Thursdays. The Lap Shop daily fee of \$5 per person is being paid. She asked for suggestions on class instructors.

**Show Chair** – Jim Hutchings discussed talking to the Fairgrounds regarding the dates for the 2016 show. At this point in time, they are not taking reservations, but RRR was “penciled in” for the dates of March 25, 26, & 27, 2016. (We can’t change the weekend due to vendors’ schedule.) As this will be Easter weekend, the FG assured Jim that there would be no “egg drop” by helicopter on the FG! A motion was MSA to disregard the \$100 payment by Hugh Brady for the \$100 underpayment paid by a person for equipment sold before the show. After the confirmation of Jim Hutchings as 2016 Show Chair, it was noted that the previous Assistant Show chair had moved from the area. It was proposed that Glenn Fiala be asked to serve as assistant show chair. The proposal received unanimous support from the Board members, along with thanks to Denise Hanson for her dedicated service to the Society as Assistant Show Chair.

**Lapidary Shop** – Jon North can continue to collect the money (fees) deposited as payments, until he moves.

**Directors** – Richard Kowaleski reported he will represent RRR and give a presentation on gold and gems, on July 4<sup>th</sup>, at the “Pioneer Days” event up in Pollock Pines. Gene Doyle reported he attended Sierra College instructor, Dick Hilton’s presentation on the Western Sierra Nevadas. Dick will give a presentation at the CFMS show on “CA Dinosaurs”. Dino Day is May 3<sup>rd</sup> at Sierra College, a reminder notice will be e-mailed.

**Juniors’ Advisor** – Carole Kowalik reported Kaleb Morris will give a presentation on “Volcanic Material”. Samples of St. Helen’s ash for the juniors were given by Hugh Brady.

**Old Business** – Tailgater on June 6<sup>th</sup>. Discussion regarding the time, which will be changed from 9 a.m. to 8 a.m.

We will email flyers to the other societies’ editors.

**New Business** –

Review of Standing Rules – this will be done, as we need to incorporate a Chair position for the members responsible for the RRR vests, tee shirts, patches & pins.

Table – a table is now available for use by presenters at Ed. Mtgs. (For computer, projector, etc.)

4-H Club – a local 4-H club is working on the landscaping near the entrance to the FG buildings. Teresa offered them some of our rocks for their project.

Storage – we need more storage area. Several options were discussed: rent a storage unit; build a skid shed for placement on private property or on FG; or buy a shed for

placement.

**Old Business** – Karla reported she is looking into the process for offering a scholarship to a Sierra College student, as she believes the process and deadline dates might have been changed.

**Next Board Meeting** – May 26, 2015 (Tuesday after Memorial Day weekend.)

**Adjournment** – meeting was adjourned at 8:07 p.m.

Respectfully submitted,

Florence Brady, RRR Secretary

## Co-Op and Other Field Trips

General Rules:

- These trips are 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.
- Remember to wear your name badge and **sign in and out** with the field trip leader.
- Consent and Assumption of Risk Waiver of Liability form must be signed upon arrival at meeting site.

SCHEDULE for 2015	
May 22-25	Virgin Valley, NV for opals, preserved and petrified wood, selenite, and opalite. Apache Tears, carnelian, and colorful agates and jaspers. Roseville Rock Rollers. See write-up in May bulletin.
May 23-24	Hollywood Ranch, OR, for petrified wood. Fossils for Fun. See write-up in April bulletin.
May 23-24	Tonopah, NV, for jasper, agate, rhyolite. Mother Lode Mineral Society. See write-up in April bulletin.
June 13	Mason Pass, NV for turquoise & copper minerals. El Dorado Co GMS. Contact Thaleia Georgiades 530-957-3800 thaleia@directcon.net. See write-up in May bulletin.
June 19-21	Plush, OR for sunstones. More information at the RRR Educational meeting on May 12.
June 20	Travertine Hot Springs, Bridgeport, CA for Travertine. Mother Lode Mineral Society. Contact Misty Watson (209) 480-3176 mistywatsonc21@hotmail.com
July 17-18	Davis Creek, CA, for obsidian (various sheens), needles. Sacramento Mineral Society. Contact Daniel Morrow, danielsmorrow@yahoo.com; 916-995-3303
Sep 26-27	Wilson Canyon, CA for Agate, Petrified Wood, fossils, Calcite, Gypsum, Jasper and more. El Dorado Co GMS. Contact Thaleia Georgiades 530-957-3800 thaleia@directcon.net

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

Send exchange bulletins to  
above address

**\* First Class Mail \***



May 2015



the  
**ROLLIN'  
ROCK**

ROSEVILLE ROCK ROLLERS, INC.



MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES  
MEMBER, AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES  
VOL. 56 NO. 5 MAY 2015

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: ROSEVILLE FAIRGROUNDS,  
GARDEN ROOM, 800 ALL AMERICA CITY BLVD., ROSEVILLE, CA

BOARD MEETING LOCATION: ROSEVILLE FAIRGROUNDS,  
LAPIDARY SHOP TRAILER BEYOND GATE "C" PARKING LOT

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