

# The Rollin' Rock



Bulletin of the Roseville Rock Rollers Gem & Mineral Society, Inc.  
Volume 50, Issue 9 - September 2009

## From the President's Pen

Summer is rapidly coming to an end. Back to school and home from vacation is a sure sign that things are back to normal life. I hope everyone got a chance to go on those fieldtrips and take in the adventures that can only be done while on vacation. Many club shows are coming up in the next few months, so if you didn't get to one over the summer, you still have a chance to go to one. Check The Rollin' Rock or our website for listings

Congratulations to Terry Yoschak, our webmaster, for not only winning First Place in the California Federation of Mineralogical Societies (CFMS) website contest, but also First Place in the American Federation of Mineralogical Societies (AFMS) website contest. That just shows we have the best website, which we already knew. And, we must also congratulate Jim Hutchings and Jim Barton and Terry Yoschak for their awards in both CFMS and AFMS written articles contest. Way to go!

September brings back our monthly Board Meetings; Show Meetings are also going to begin. It may sound rather early to begin working on the show but that is why our shows are so successful. Planning is the first step. You as a club member should start thinking about what you can do to help. One thing enjoyed by all are the exhibit displays. If you haven't exhibited, think about doing an exhibit case. It isn't hard and there is plenty of help to get you started.

Thanks to everyone who brought the ice cream and other tasty delights to the ice cream social last month. And the show and tell by members was quite interesting too. The diversity of our membership is quite impressive and makes for an interesting program. It is also great to see the quality of work by our lapidary students. I appreciate the efforts by Don Evans in getting the student cabochon collection started.

Have a great month and I will see you at the next meeting.

-- Jon North

## Vice President's Viewpoint

Thanks to all those who brought "Show and Tell" to the August meeting, and keep it in mind for next year. Shoot for a really great project to show off, or a short 2 -5 minute program power point or other to share with the Society.

Our program for September is Mel Huth from the California Institute of Jewelry Training. He will present a program on "Colored Gemstones." Should be an excellent presentation.

-- Jim Hutchings

## Educational Program for September 8, 2009

Our speaker will be Mel Huth of the California Institute of Jewelry Training. The Institute, located in Carmichael, CA, offers classes in gem grading, gem identification, gemstone carving, jewelry arts & design, casting & mold making, metal etching, etc.

"Colored Gemstones" will be the topic of the presentation.



Photo from California Institute of Jewelry Training website:  
[www.jewelrytraining.com/](http://www.jewelrytraining.com/)



**NAME BADGE:**  
Wear it !!

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## MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING AUGUST 11, 2009

**Call to Order** by President Jon North at 7:07 pm.

### Flag Salute

**Present:** 64 members, 7 Juniors and 10 Guests.

**Introductions** of guests.

**Sunshine** – Kay Bell recently had successful surgery on her hand and arm.

**Rookie Rock Rollers** – Five juniors received their rockhound badges. Emily Riebeek gave a presentation on the Rookies' recent class, where they learned about the properties of minerals.

**Awards Presentation** – Guest Merryan O'Neill presented AFMS Bulletin Contest Awards certificates to Jim Hutchings (10<sup>th</sup> place), Jim Barton (Honorable Mention) and Terry Yoschak (Honorable Mention) for Features Articles published in 2008. She presented a plaque and certificate to Terry Yoschak for First Place in the AMFS Webmasters' Contest in 2009.

**Refreshments** – The Ice Cream Social provided our annual sugar fix of ice cream and other desserts.

### Show and Tell:

Don Evans, Shop Manager, congratulated 15 members who had completed the basic lapidary classes, and showed off their cabochons.

David Little told the story of his grandfather's gold nuggets and showed how they had been mounted in a necklace and earrings.

Aaron Arjil showed the Chinese writing rock and the quartz crystals he had found on two field trips with the Rock Rollers.

Jim Hutchings explained the origin of the minerals from the Philippines sent to our club by Paul Minor, Jr.

Calyn McKnight showed samples of the wire-wrap jewelry she created in the RRR classes taught by Jay Malone.

Hugh Brady showed Dugway geodes donated to the club by Harvey Lister, which will be the feature at next month's silent auction.

**Drawings** – Winners were: Member, Diane Kiser; Junior, Nick Riebeek; Guest, Jenny Fahey.

**Treasurer and Secretary** – No reports.

**Vice President/Programs** – Jim Hutchings reported that September's program will feature Mel Huth of the California Jewelry Institute.

**CFMS Director and Field Trip Chair** – both absent.

**Show 2010** – Show Chair Jim Hutchings said we will be getting our invitations out to the vendors.

**Lapidary Shop** – Don Evans said we are encouraging more members to take the basic lapidary classes, for which anyone can show up on Mondays, Wednesdays or Thursdays.

**Lapidary Classes** – Jon North said that sign-up classes (beyond the basics) will not start until summer is over.

**Old Business** – none.

**New Business** – Hugh Brady said that he may need someone to substitute for him at the silent auction at the September meeting. He will have everything ready.

**Adjournment** – The meeting was adjourned at 8:30 pm.

## MINUTES FOR ROSEVILLE ROCK ROLLERS BOARD MEETING AUGUST 11, 2009

**Call to Order** at 8:38 pm by President Jon North.

**A quorum was present.**

**Membership Application** – a motion was MSA to approve the application of Jack Duran.

**Federation Director** – a motion was MSA to appoint Jon North as interim Federation Director in place of current Federation Director Gloria Marie, who wishes to resign.

**RRR Exhibit Case** – a motion was MSA to place the club case in the Orangevale "Treasure Trove of Gems" Show on August 22-23.

**Adjournment** – meeting was adjourned at 8:45 pm.

Respectfully submitted,

Terry Yoschak, RRR Acting Secretary



## Kinky Geological Facts

- Dirt is new...only a few hundred or few thousand years old. In rock years, that is like a baby less than a month old.
- Meteor Crater in Arizona is the largest fresh crater in the world - about 35,000 years old.
- When the dinosaurs were alive, they could look out and see the Rocky Mountains...those mountains were there even in dinosaur times.



- Where do mineral names come from? 45% are named after people (goethite), 23% are named for their locations of discovery (vesuvianite), 14% are named for their chemical composition (chromite), 8% are named for their physical properties (orthoclase), 10% are combinations and oddities (peristerite, tantalite)
- Only 10% of species of life show up in the fossil record. Fossilization is rare, so the other 90% of the species we have no fossils of.

*Sources: The Oxford Companion to the Earth, and Science News and others. Compiled by Chris Fite of the Tulsa rock club, 10/07, excerpted from Breccia 2/08*

## September Board Meeting

The meeting will be held Tuesday, September 22, 2009, at 7:00 pm, in the club Lapidary Shop at the fairgrounds.



## September Show Meeting

The first meeting for our 2010 Show will be at 6:30 PM, Tuesday, September 15, 2009, in our club Lapidary Workshop at the Roseville Fairgrounds. All members are welcome.



## September Refreshments

Refreshments for the September 8 Educational meeting are to be provided by Debbie Anspaugh, Kymberly Andrews, Mary Ann Ramos, Susan Balog, Kim Kramer and Kathy Little. Thank you all in advance!

**We would appreciate if each family would sign up and bring a refreshment once in 2009.**



## Silent Auction

As I mentioned at the August meeting, September's auction will be GEODES and THUNDEREGGS.



Harvey and Diane Lister donated a number of Dugway geodes to the club. I have cut and polished many of these and they will form the core for the auction with some rough and other geodes and thundereggs which

have come to the club over time. Most are cut and polished so all you have to do is bid, sit back and admire. I'd like to see some imaginative wirewrap done on some of the botryoidally and drusy pieces which could be worked from the pieces of rough. Let your imagination run wild.

If you have a geode or thunderegg which you would like to donate to the auction let me know or bring it to the meeting. (916) 961-6868.

Hugh Brady, Auction Chair



## Sunshine

When you know of any member who is ill or has been hospitalized, please contact Margarita & Marietta at 916-723-8773.



Thanks for joining our club! We hope you will find many rewards and many friends among those who share our wonderful hobby!



## Rookie Rock Roller News



Our next meeting will be on September 8, 2009, at the Lapidary Shop, from 5:30 - 6:45, just before the regular Educational Meeting.

Cathy Hutchings 530-367-5108



## RRR Member's Work Featured at Art Gallery

Jay Malone is one of three artists whose work will be featured during the "Third Saturday Artist Reception."

WHERE: High Hand Gallery, 3750 Taylor Road, Loomis, CA (part of High Hand Nursery)

WHEN: Saturday, September 19, 5 pm - 8 pm

Regular Gallery hours are 10 am - 4:30 pm, Tuesday through Sunday. 30 local artists are represented. For more information, call 916-259-4298.



Hi, Rockrollers,



As a former member I wanted to give you guys a chance to purchase my lapidary equipment and rock collection. I recent severe illness has got me cleaning out my stuff and since I have not cut a rock or polished a stone for years now I want to sell it all.

I have a 14" diamond rock saw and a vertical disc polisher, as well as lots of agate, obsidian, turquoise, etc. I will sell all for \$400.

Thanks,  
Kevin Chesebro krchesebro@rcsis.com

## Using Tumbling Abrasives

The main principle in polishing stone is to start with a coarse abrasive for grinding, and work through a series of increasingly finer abrasives to the final polish. The whole process is basically this simple, but there are variations in gemstone properties, types of abrasives, many recommended grit (abrasive) sequences, and results produced by the different types of tumblers. All these variations and choices can be confusing, especially to a beginner, so it should be remembered that tumbling is not an "exact science", and can be great fun once the basics are mastered.

Over the years, individuals have developed procedures and grit sequences that give them good results, but what works for one person doesn't always work for someone else. As a result, you will find that advice, books and manufacturer's instructions vary in their recommendations. All follow the basic principle of tumbling, but reading "Use 80 grit to start" in one source and "Use 60/90 to start" in another is confusing. Both work, and there is actually little difference between those grit sizes. In fact, most grit sizes that are used actually cover a range in particle size. The 60/90 range includes 80 grit, a sample of 220 grit might range from 100 to 300 in particle size.

Fillers are recommended for use in both types of tumblers and in each step in almost all grit sequences. Fillers soften the action, fill space between stones, and carry the grit to the stone's surface more efficiently. Fillers generally can be reused if thoroughly cleaned between grit sequences. We recommend the ceramic bits for both stones and metals as they seem to do the best job and will last longer.

<http://www.diamondpacific.com/usingtumblingabr.html>  
"Using Tumbling Abrasives"

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One of the cardinal rules in using the tumbler is "do not overload." The ideal tumbling load is slightly less than 3/4 full. Use only enough water to fill the voids between the stones, with no more than 1/8 of an inch over the top of the stones. Another item that causes difficulty is the amount of abrasive. Use only enough to cover the surface area of the stones. This usually takes about one pound of #100 grit for each 8 pounds of rock. This may be further reduced as the #400 and #600 grit is used, as the finer particles possess more surface area, and 3/4 pound of grit with eight pounds of rock is usually sufficient.

*From Southwest Gem 07/00, via Blue Agate News 03/08,  
via Rockhound Rambling 5/08*

## September Birthdays

9/2	Kelley Ballard		
9/2	Bernadine Barton		
9/2	C. J. Ulle		
9/4	James Amos		
9/4	Jack Harris		
9/4	Sharon Ubis		
9/5	David Crownover		
9/5	Barbara Hass		
9/6	Rolf Zschoernig		
9/8	Amy Crownover		
9/11	Allan Woltman	9/21	JoAnn Hooker
9/12	Marietta Rubien	9/24	Jan Makiney
9/12	Jerry Wilkerson	9/24	Teresa Neri
9/16	Rachel Bender	9/25	Debbie Bartels
9/19	Donald Evans	9/30	Karla Shannon



### Tips from Lapidary List

<http://groups.yahoo.com/group/LapidaryList/>

[Question: What is a safe way to store slabs?]

I keep most of my slabs tipped up on edge in Rubber-Maid plastic tubs, sorted by colors/material. With paper towels between larger or more fragile slabs.

-- Dennis Turner 9/06/08

One of the guys on eBay uses the foam they use to insulate houses with. It is a little thicker than 1/4" and comes in 5x8' sheets I believe. Cuts a square, wraps the slab in paper (and tape), tapes to the square. The sheets are not that expensive at Lowe's or Home Depot. -- George Ellis 9/08/08

I just throw all my slabs in a box. Yeah, sometimes they break....then I just have two slabs. There are a few high quality ones that I take better care of, but when you have a 1000 slabs lying around you really don't worry too much about them. I cut a lot of free-forms too, and I like to take the slab out to the sidewalk and just let it fall. I make the cabs out of whatever shapes the pieces break into. It's kind of like Zen lapidary. Do you plan on trying to sell your finished or are you cutting them for yourself? If not for yourself, you really might consider cutting more small cabs. In twenty years or so of cutting cabochons and making jewelry, I've found that 90% of the stones I sell are under one inch. If you're just making for yourself, that's another story though. I have a nice collection of 30x40 and similar-sized stones that I cut for my personal collection. -- Raymond Laughlin 9/06/08

# A NORTH BAY FIELD TRIP ORGANIZATION FIELD TRIP TO THE BLACK ROCK DESERT, NV (CO-OP Members may attend)

**WHERE:** Black Rock Desert (Near Gerlach, NV)

**WHEN:** September 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 2009

**CLUB:** Garage Grinders

**LEADER:** SCOTT PARADIS

**MEET :** September 18<sup>th</sup>

We will caravan side-by-side across the Playa, stop in the middle for a photo op, and then to the DRY campsite at Double Hot Springs (212 degrees). From the Bay Area it takes about 7 hours to get to Gerlach. It may take longer due to detours for road construction on I-80

**MATERIAL:** geodes, Christmas Jasper, Black Rock Agate, petrified wood

**TOOLS FOR GEODES:** pick, shovel, buckets

**TOOLS FOR CHRISTMAS JASPER:** Hard rock mining tools and appropriate safety gear.

**TRANSPORTATION:** All vehicles can get to the campsite; be aware that the playa dust smell will be in your vehicle forever. 4-wheel drive vehicles are necessary to get to geode bed, trucks and high clearance vehicles to other sites.

**FACILITIES:** Get gas and ice at Gerlach, as there are no facilities beyond Gerlach. A primitive "hot tub" may be available. Bring a BATHING SUIT. Water is not drinkable. Make sure to bring plenty of drinking water, figure at least 1 gallon per person per day!

**WEATHER:** The altitude is about 4500 ft., usually hot during the day and pleasant at night, but be prepared for cold and windy weather.

**DIRECTIONS:** Take highway 80 East to Wadsworth, about 30 miles east of Reno. Then take highway 447, north to Gerlach, about 75 miles.

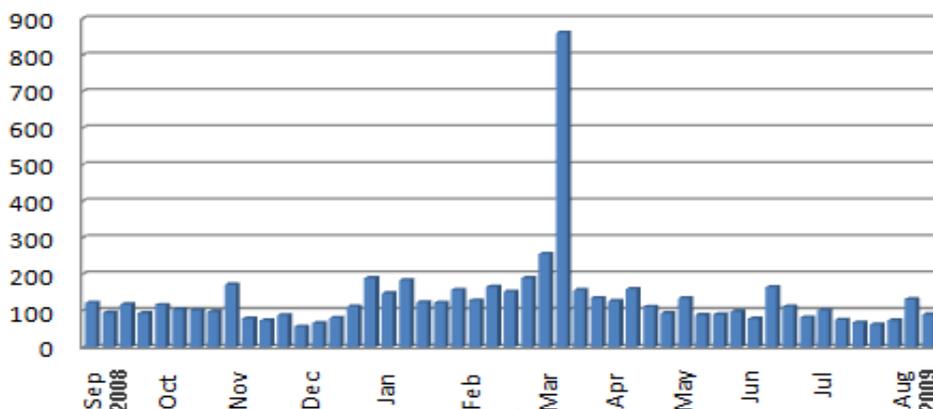
**PROPOSED SCHEDULE:**

Saturday the 19th - trip to geode bed; depart near 8 A.M., Happy Hour when we arrive back at camp. Pot Luck Dinner will be after Happy Hour.  
 Sunday the 20th - Christmas Agate, depart near 8 AM.  
 Monday the 21st - the slot, depart near 8 AM.  
 Tuesday the 22nd - Exploration day, trip to Gerlach for ice and fuel?  
 Wednesday the 23rd - Pet. wood  
 Thursday the 24th - Exploration day  
 Friday the 25th - open - we can decide where we want to go.  
 Saturday the 26th - Christmas Agate  
 Sunday the 27th - short trip in morning, then head home.

**REMARKS:** This site is worth seeing, even if you never leave camp. The water in the springs at the campsite is boiling, so be cautious when walking near them and keep animals away or on a leash. Another scenic hot spring is nearby. This is a glorious, unique, natural desert and oasis landscape. This will be my second trip to Black Rock and with Jay Bates help and guidance this should be a great trip!



**Website Visitors - per week**



It's easy to see from this chart that visits to our website peak in the month of March.

Much of our Show publicity is being distributed then, and people are probably checking to see the details of Show times and activities, and get directions for attending.

-- Webmaster  
[www.rockrollers.com](http://www.rockrollers.com)

# Hardness and Wearability

by Don Clark CSM

There is an old saying that, if you hit a diamond with a hammer, it will shatter into a dozen pieces. Hit a piece of jade with a hammer and it will ring like a bell!

Hardness is one of the most misunderstood properties of gemstones. That's because the word has been given a specific and limited meaning by the scientific community. This definition varies considerably from the way it is used by the general public.

**By scientific definition, hardness is “the ability to resist scratching” and nothing more.** Ask most folks and they will tell you that feathers are soft and glass is hard. In the world of gemology though, glass is fairly soft. It can be easily scratched by a majority of what we consider to be hard substances.

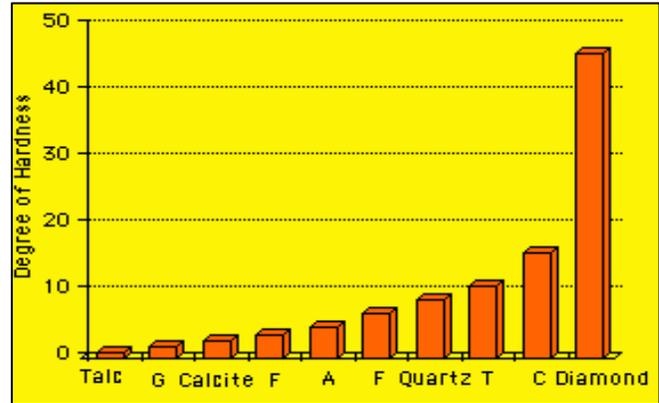
Each of the minerals on the Mohs scale can be scratched by the one above it and will scratch the ones below it. Minerals of the same hardness won't scratch each other. That is simple enough, but the ramifications need to be understood.

First notice that quartz is 7 on the list. Quartz is one of the most common minerals on earth and is a major component of common dust. That means that **simply wiping the dust off of any material softer than quartz will create scratches.** Of course they will be tiny, even microscopic, but over a period of time they will accumulate.

In practical terms, this means that a gem softer than quartz will lose its polish and become dull, simply from cleaning it. **For this reason 7 on the Moh's scale has become a standard for determining if a gem is hard enough for normal wear.** This isn't a hard and fast rule, it is more of a guideline.

Again, “hardness is the ability to resist scratching” and nothing more. Just because a gem is hard does not mean it will wear well. There are a number of factors that effect how well a gem will wear. One of the most important is CLEAVAGE. Technically, cleavage has to do with how strongly the molecules bind to each other. To put it in layman's terms, it is much like the grain of wood. You can easily split a piece of wood along the grain, but going across the grain is much more difficult.

Many gems have “cleavage planes.” Cleavage planes are not the same in all minerals. They are defined as “perfect, good, fair or poor,” depending on how easily the mineral will separate along the plane. You may have seen an old movie where a diamond cutter



is sweating over cleaving a large, valuable diamond crystal. Cautiously he places the chisel on the crystal, then he gives it a brisk and carefully measured blow. If he does it right, he has two perfect pieces that can be cut into fabulous gems. If he errs, the thing will shatter! Diamond cutters don't have do this any more, but it is an excellent example of cleavage. Diamond is the hardest substance in nature, but it will break if struck properly by a piece of steel, which is only 5 or 6 in hardness.

Another very important consideration of a gem's durability is HOW IT IS WORN. Ring stones are subjected to considerable abuse. The simple activity of reaching into one's pocket or purse can cause a ring stone to be smacked against keys, lipstick or pocket knives. When you consider all the other things we do with our hands, this mounts up quickly.

While rings are the most popular way to wear a gem, those worn on other parts of the body don't get anywhere near the abuse a ring stone will. If you have a sensitive gemstone, consider having it mounted in a pendant, brooch or earrings. If you really want it in a ring there are a couple of things that can help your stone. Consider the setting. A tiffany setting that holds the gem well up above the finger with a few prongs is asking for trouble. If you are putting a delicate gem in a finger ring, chose a setting with lots of metal around the gem to protect it.

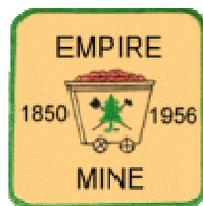
There are other factors, as well. Some gemstones, like opal, are “heat sensitive.” (In truth, opals don't mind heat, it is a sudden change in temperature that upsets them.) Many soft and porous gems, like pearls and turquoise, are affected by chemicals. And the list goes on...

So, I hope you are beginning to understand that, in gemology, hardness alone is not a measure of durability. Several factors have to be considered together to determine how well a gem will wear.

*Condensed from the website of the International Gem Society. <http://www.gemsociety.org/>*

## A "CO-OP MEMBER" FIELD TRIP TO EMPIRE MINE, NEVADA CITY, CA

- 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.
- Remember to wear your name badge and sign in with the field trip leader.
- CO-OP website has information: [www.ourfieldtrips.org](http://www.ourfieldtrips.org) (Password is needed).



**TRIP LOCATION** – Empire Mine State Park, Grass Valley, CA

**WHEN** – Saturday, October 3, 2009

**SPONSOR CLUB** – Sun City Lincoln Hills Gem and Mineral Society

**MEMBER'S GUESTS** - Allowed

**COLLECTION MATERIAL** – None. Private tour of the mine yard, the Bourn Cottage, the clubhouse, and the George Starr home ruins.

**LEADER & CONTACT INFO** – Ronald H. Clawson

**MEET** – Empire Mine’s Parking lot at 10:00 a.m. The private tour begins at 10:30 a.m.

**DIRECTIONS TO EMPIRE MINE** - How to get to the Park: The Park is located on Empire Street which is a well marked exit on Route 49. Travelers from southern California or the Bay area should take route I-80 and pick up Route 49 north in Auburn. Travelers from Nevada and the east should take route I-80 and exit on

Route 20 which becomes 20 / 49 in Nevada City. For visitors coming from Marysville via Route 20, Route 20 becomes Empire Street as it passes over Route 49 (just continue straight on to the Park).

**VEHICLE REQ'S** – Passenger cars OK.

**FACILITIES** – Food is available in downtown Grass Valley about two miles away. Bathrooms and water are available in the park. Picnic tables are located on side of the parking lot.

**SAFETY CONCERNS** – None. This is a surface tour.

**CLIMATE/WEATHER** – It can be hot during this time of the year. Dress accordingly.

**CLOTHING** – Dress according to the weather. No underground tour is available.

**OTHER REMARKS** – Website for the park: [www.empiremine.org](http://www.empiremine.org). After the tour, let’s have a picnic next to the parking lot.

**FEES** - \$6.00 per person. Children (6 – 16) \$1.00.



## September Calendar

		1	2	3	4 Birthstone: Sapphire	5 
6	7  Shop CLOSED	8 Meetings: Rookies 5:30 pm Club 7:00 pm	9 Lapidary Shop 5:00-9:00 pm	10 Lapidary Shop 5:00-9:00 pm	11	12
13	14 Lapidary Shop 5:00-9:00 pm	15 Show Meeting: 6:30 pm	16 Lapidary Shop 5:00-9:00 pm	17 Lapidary Shop 5:00-9:00 pm	18	19
20	21 Lapidary Shop 5:00-9:00 pm	22 Board Meeting: 7:00 pm	23 Lapidary Shop 5:00-9:00 pm	24 Lapidary Shop 5:00-9:00 pm	25	26
27	28 Lapidary Shop 5:00-9:00 pm	29	30 Lapidary Shop 5:00-9:00 pm		Bulletin Deadline	

## Upcoming CO-OP Member and Other Field Trips

(Contact your club's field trip leader for further information and revisions. CO-OP website also has information: [www.ourfieldtrips.org](http://www.ourfieldtrips.org)). All non-CFMS members must have proof of personal liability insurance (renters or homeowners policy). 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.

Sept. 19 - 26	Hanksville, UT for petrified wood, fossils and agate. <i>Fossils for Fun</i> , Keith Lindholm
Sept. 18 - 27	Black Rock Desert (Near Gerlach, NV) <b>NBFT</b> club, Garage Grinders, (CO-OP Members may attend) Leader Scott Paradis 707-447-5271 or wizo@wildblue.net
October 3	Empire Mine Tour. <i>Sun City Lincoln Hills Gem and Mineral Club</i> , Ron Clawson
October 10, 11, 12	Fernley, NV area for agate, jasp-agate, opalite, rhyolite, calcite. <i>Sutter Buttes G &amp; M Club</i> , Gerry Hill
Nov. TG week	Southern CA – annual Thanksgiving week trips. <i>Mother Lode Mineral Club</i> , Al Troglin
<b>Check this page in the bulletin each month for more trips &amp; updated information.</b>	

## Upcoming Northern California Shows

### September 12-13 2009, Jackson, CA

Fossils For Fun Society  
Kennedy Mine in Jackson  
Hours: 9 - 5 both days

### September 19-20 2009, Redwood City, CA

Sequoia Gem & Mineral Society  
Redwood City Community Activities Bldg.  
1400 Roosevelt Ave.  
Hours: 10-5 daily  
Carol Corden (650) 248-7155  
Email: [coorden@comcast.net](mailto:coorden@comcast.net)  
Website: [www.sgms.driftmine.com/home.htm](http://www.sgms.driftmine.com/home.htm)

### September 19-20 2009, Stockton, CA

Stockton Lapidary and Mineral Club  
Scottish Rite Masonic Center  
33 West Alpine Ave.  
Hours: 10 - 5 both days  
(209) 946-0113  
E-mail: [footsey1@yahoo.com](mailto:footsey1@yahoo.com)  
Website: [www.stocktonlapidary.com](http://www.stocktonlapidary.com)

### September 26-27 2009, Monterey, CA

Carmel Valley Gem and Mineral Society  
Monterey Fairgrounds, 2004 Fairgrounds Road  
Sky Paxton (831) 262-2492  
E-mail: [sky@familystones.net](mailto:sky@familystones.net)  
Janis Rovetti (831) 657-1933  
E-mail: [Janis12@sbcglobal.net](mailto:Janis12@sbcglobal.net)  
Website: [www.cvgms.org](http://www.cvgms.org)

### October 3-4 2009, Oroville, CA

Feather river Lapidary & Mineral Club  
Oroville Municipal Auditorium, 1200 Myers St.  
Hours: 10 - 5 both days  
Connie Rossetto (530) 59-1840  
Email: [crossetto@aol.com](mailto:crossetto@aol.com)  
Website: [www.oroillerocks.com](http://www.oroillerocks.com)

### October 10-11 2009, Grass Valley, CA

Nevada County Gem & Mineral Society  
"Earth's Treasurers"  
Nevada County Fairgrounds  
11228 McCourtney Road  
Hours: 10-5 both days  
Kim Moore (530) 470-0388  
Email: [kmoore160@comcast.net](mailto:kmoore160@comcast.net)  
Website: [www.ncgms.org](http://www.ncgms.org)

*Fossils For Fun Society Invites You To*  
**The 9th Annual Tailgate**  
**Gemboree**  
**September 12 & 13, 2009**  
**Saturday and Sunday**  
**9 to 5**



*Join us at the Kennedy Mine in Jackson for*  
*-Free Admission (\$2 parking)*  
*-Fossil and Rock Exhibits & Dealers*  
*-Teacher Specials on Fossils*  
*-Saturday Evening Potluck and Live Auction*  
*-Kennedy Mine Tours Available*

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

Send exchange bulletins to  
above address

**\* First Class Mail \***



September 2009



the  
**ROLLIN'  
ROCK**

ROSEVILLE ROCK ROLLERS, INC.



MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES  
MEMBER, AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES  
VOL. 50 NO. 9 SEPTEMBER 2009

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**