

Bulletin of the

Roseville Rock Rollers Gem & Mineral Society, Inc.

Volume 59, Issue 9 - September 2018

From the President's Pen

Summer is quickly approaching its end and there is a window for the rock hounds to get out in the field and find some rocks and specimens. The tricky part of this time of year is the surprise storms that can move in on a nearby range and cause havoc in the next valley. So keep an eye on the weather if you are headed out to remote locations. Even consider valleys and streams as a possible concern, due to flash floods.

Shop News: Our Lapidary Shop Trailer was moved by the Fairgrounds on the 29th of August to its new location. However, water will be hooked up soon and electric is delayed while the electric company is waiting for a needed part. This could arrive 2 weeks down the road. Which means our Lapidary Shop will still not be operational for an undetermined period of time.

Please be patient and hang in there. The Fairgrounds is performing some massive changes and sadly our move is small potatoes in the big scheme of things. We continue to communicate with the Fairgrounds and pass along as much information that is provided. At some point, we will get back to normal, and until then try your hand at alternative forms of lapidary arts. You may just find that you had a knack for wire work or soap stone carving and did not even know it. There are so many forms of lapidary arts out there, it just takes a moment to do some research and find a step by step guide to try your hand at a new type of art.

Be safe and see you all at the next educational meeting.

— Glenn Fiala

Vice President's Corner

The birthstone for September is the Sapphire. Sapphires symbolize loyalty, nobility, sincerity and integrity. They are associated with focusing the mind, maintaining self-discipline and channeling higher powers. (Boy, could I use the channeling of higher powers to help me with 3 grandkids.) Although the sapphire typically refers to the rich blue gemstone variety of the mineral corundum, this royal gem actually occurs in a rainbow of hues except red (classified as rubies).

Sapphires are found in India, Myanmar, Thailand, Vietnam, Sri Lanka, China, Australia, Brazil, Africa and North America (mainly Montana). Their origin can affect their value as much as color, cut, clarity and carat size. Due to the remarkable hardness of sapphires—which measure 9 on the Mohs scale, second only to diamond—they aren't just valuable in jewelry, but also for industrial uses. Today, top-quality blue sapphire remains one of Mother Nature's rare gems.

Here are just a few meanings/facts of the Sapphire:

- 1. Classical violet-blue sapphires traditionally came from the Kashmir region of India between the late 19th and early 20th centuries.
- 2. The world record price-per-carat for sapphire was set by a gem from Kashmir, which sold at auction for \$242,000 per carat (more than \$6.74 million total) in October 2015.

Educational Program for September 11, 2018

Petersen Rock Garden & Museum



This attraction near Redmund, Oregon wows visitors with its rock statues, buildings and bridges! Jan Kessler will tell us all about it.



Inside this issue:

N	Meeting Minutes, Announcements	2
1	Show Publicity Chair Needed, New Members, Lapidary Classes, Rookie News, Announcements	3
G	Grass Valley Field Trip	4
1	Meadow Vista Field Trip, Shop Frailer Has Been Moved, Local Rock n Great Mood	5
1	F. Rex Couldn't Stick Out Its Tongue	6
C	CFMS Show 2018, Calendar	7
Ū	Jpcoming Shows, Co-Op Field Trips	8

(Continued on page 2)

(Continued from page 1)

- 3. Australia was a significant source of sapphires until deposits were discovered in Madagascar during the 1990s. Madagascar now leads the world in sapphire production.
- 4. Sapphires in any color but blue are called "fancies."
- 5. In 1902, French chemist Auguste Verneuil developed a process to make synthetic sapphire.
- 6. This gem became a symbol of royal love in 1981 when Britain's Prince Charles gave Lady Diana a 12-carat blue sapphire engagement ring. Prince William later gave this ring to Catherine Middleton when he proposed in 2010.

Our Educational Program for September 11th will be presented by yours truly. Several years ago, I had the pleasure of visiting Petersen's Rock Garden and Museum in Redmond, Oregon and am looking forward to sharing this with all of you.

— Jan Kessler

MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING AUGUST 14, 2018

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

Present: 38 Members, 7 Rookies and 5 Guests.

Recognition of guests and new members.

Recess for Refreshments.

Sunshine – a sympathy card was sent to Joyce Emerson.

Juniors Activities – Carole Kowalik reported there were 7 juniors and 2 siblings at the meeting. They played the Rockhound game.

Treasurer – Terry Yoschak reported Kim Fiala will do the 2018 Show audit.

Secretary – membership is 271 members.

Vice President – Jan Kessler reported the program for September will be announced later.

CFMS Director – Mike Hunerlach reported meetings will be held at the Feather River Show in Chico in September. The 2019 CFMS Show will be in Pasadena March 8-10, 2019. 2020 CFMS will do its own show in Lodi.

Vests, tee shirts, patches for sale – see Jan Kessler.

Field Trips – Gene Doyle reported about 20 attendees to the Grass Valley location. The October field trip to Hawthorne has 9 cars signed up so far. Other trips are in the works.

Librarian/Historian – absent.

Show Chair – Jim Hutchings requested members to step in as "understudies", especially to replace Gloria Marie as Publicity Chair. Contact Jim if interested. Next Show Committee meeting is Sept. 18th.

Lapidary Shop – Mike Hunerlach thanked everyone who helped with moving the stuff in the Shop. A new operation chair for the FG is Robbie Sandoval who is replacing Gabrielle. A contractor is lined up to move the Shop trailer, it will be facing South against the chain link fence. Mike has a new pro-rated lease. The possibility of building our own building has been suggested

and discussed for the future.

Refreshments – signups are on the Greeters' Table.

Classes Coordinator - Cathy Nelson reported classes are "on hold" for August and September.

Old Business – see above under Lapidary Shop.

New Business – none

General Announcements – refer to bulletin for upcoming shows.

Door Prizes – Nancy Hood announced the winners were: Member, Lisa Giampietro; Junior Madi Ogden and Guest Cindy Pitois.

Program – show and tell presentations were given by Jim Hutchings, Stan Bollinger and Glenn Fiala.

Silent Auction – Janet Longueira said no SA this month, will have some opal on the SA during the Sept. meeting.

Adjournment – meeting adjourned at 8:05 p.m.

MINUTES FOR ROSEVILLE ROCK ROLLERS BOARD MEETING AUGUST 14, 2018

Call to Order by President Glenn Fiala at 8:20 p.m.

Present: 8 officers, a quorum was present.

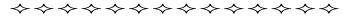
Membership Applications – a motion was MSA to approve membership applications for Anna and Dylan (JR) Eslinger, Thomas & Deborah Wucher and Patricia Bergander.

License Rental Agreement/Contract with the @the Grounds – Glenn Fiala, with the agreement of the RRR Board, will sign the contract later.

Meeting Room – if needed for the September Show Committee and RRR Board meetings, Mike Hunerlach will see if we can get a room at the Fairgrounds.

Adjournment – meeting was adjourned at 8:35 p.m.

Respectfully submitted, Terry Yoschak, Acting Secretary



September Refreshments



Refreshments for the September 11 Educational meeting are to be provided by Grace Morris, Doug La Rocca, Rachel Savage, Shirley Penman, Don Tadlock, Denise Coyne and Carla LaFave. Thank you all in advance!



September Board Meeting

The meeting will be held Tuesday, September 25 at 7:00 PM at a location to be determined.

The Rollin' Rock Ro

September Show Meeting

The first show committee meeting for our annual show in March 2019 starts at 7:00 p.m. September 18th. **Location to be determined.**

We encourage members to attend, learn how the show chairs are getting ready for this huge, annual show! Learn how you can help out one of the chairpersons before and during the show. Your input and help will be greatly appreciated. We have need for help with our show publicity, if you think you would like to do this, please contact Jim.

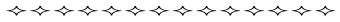
The Show Committee meets on the 3rd Tuesday of the month, in September, November, January, February and March. This is a way for you to be active in the society, meet other RRR members and just have fun with the show!!

— Jim Hutchings, 2019 Show Chair (916) 995-7380

Show Publicity Chair Needed

We actually need 3 PR people, one lead PR person coordinating and running all the paid advertising, and artwork design; then we need a social media PR person for FB groups and maybe Twitter; last we need a PSA (public service announcement) person to post freebies on magazines, television, radio, trade sites.

Gloria Marie has been doing this for over 16 or 17 years and she simply can't do it all any more. Without publicity our show will not succeed!



Lapidary Classes

Crafty Days and classes are suspended while the Shop is being relocated.

See Shop Trailer update on Page 5.

Cathy Nelson, the Lapidary Classes Coordinator 925-321-2024/ canelson2@netscape.net



Got RRR Library Books? Return them!

Welcome New Members:

Patricia Bergander Anna Eslinger Thomas & Deborah Wucher

Welcome New Junior Member:

Dylan Eslinger

Rookie Rock Roller News

The Rookies will meet at the fairgrounds in Johnson Hall at 5:30 p.m. Look for arrow signs for directions

to the correct building. It will be the same building where we met in July.

At our last meeting, we had fun identifying some rocks by playing the Rock Hound

game. What a difference from the beginning of the game to the end! They were able to identify only a couple of the rocks in the game when we started. At the end, they were naming almost all of them. After the game, we stayed for the Ice cream Social.

At our Meeting in September, we will learn about minerals; also the difference between a rock and a mineral. After this, we will have fun identifying them and a rock related activity.

As always, let me know if we need to meet up to discuss badges earned.

See you all at the meeting,

Carole Kowalik, Junior Advisor (916) 871-0573 home3004@gmail.com





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

The Rollin' Rock Roseville Rock Rollers Page 3 www.rockrollers.com September 2018

A CFMS and Roseville Rock Rollers Field Trip to Grass Valley

- 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 co-leaders) and practice safe rockhounding.
- Remember to wear your name badge and sign in with the field trip leader.
- A Consent and Assumption of Risk Waiver of Liability form must be signed upon arrival at meeting site.

TRIP LOCATION – Grass Valley. I will provide the address and directions at the meeting location.

TRIP DIFFICULTY RATING SCALE: Vehicle Access & Parking - # 3 - 4 vehicle access and parking good for all vehicles. No RV's (due to parking room), no specific handicap parking.

View Site – Private Residence.

WHEN – Sunday September 16th at 9:30am.

SPONSOR CLUB – Roseville Rock Rollers Gem & Mineral Society

LEADER & CONTACT INFO – RRR Field Trip Leader, Gene Doyle, (408) 605-9457 (best to text or leave a voice message).

MEMBER – Open to CFMS Society Members. The trip is limited to 15 - 20 cars. Please call me to let me know you want to attend, I will put your name on a signup sheet. We will meet and carpool; this will allow more people to go on the trip if needed. I will also require all members to sign a Field Trip Waiver at the parking lot.

COLLECTION MATERIAL – Many agates, jaspers, petrified woods (AZ, NV, OR), obsidian, thundereggs, Black Rock Desert Chalcedony nodules etc. Private Residence with over 50-years of collected material for sale. Rocks are by the pound with \$1/lb. being the average, a few at \$2/lb. assorted slabs and a few individual pieces priced by the piece. A lot of the "by the bucket" prices have dropped to move the material.

PROPOSED SCHEDULE – We will leave the parking lot at 9am.

MEET – Meet at McKnight Shopping Center parking lot in Grass Valley in front of Kmart at 9 am, 115 W. McKnight Way.

VEHICLE REQ'S – Any vehicle is okay.

TOOLS – bucket(s)/container.

SAFETY CONCERNS – Spiders! No open-toed shoes!

CLIMATE/WEATHER – Typical September weather, hot.

CLOTHING – Hat, and Gloves, Suntan lotion. I would recommend long pants and closed shoes. No open-toed shoes because of black widow spiders.







September 2018

A RRR Field Trip to Meadow Vista

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

TRIP LOCATION - Meadow Vista.

TRIP DIFFICULTY RATING SCALE: Vehicle Access & Parking - # 6 - 2 wheel access or parking on roads, dirt or gravel, limited parking areas, no RVs, carpooling is recommended.

View Site – Private Residence.

WHEN –Sunday September 23rd at 8:30am.

SPONSOR CLUB – Roseville Rock Rollers Gem & Mineral Society

LEADER & CONTACT INFO – RRR Field Trip Leader, Gene Doyle, (408) 605-9457 (best to text or leave a voice message).

MEMBER – Open to RRR Club Members. The trip is limited to 3 to 4 cars at the residence. We will meet and can carpool to allow more people to go on the trip.

COLLECTION MATERIAL – Coprolite, rhyolite, petrified wood, geodes, Brazilian agates, jaspers, obsidian, etc. Private residence with quite a few years of collected material for sale. The rocks have a wide range of prices depending on material, and whether they are cut, slabbed, or polished.

PROPOSED SCHEDULE – We will leave for Meadow Vista at 9 am sharp.

MEET – Meet at Bel Air's parking lot at 8:30 am, Highway 49 and Atwood Rd. in Auburn, to carpool.

VEHICLE REQ'S – Most vehicles are okay, though there are some rough roads, and gravel, and a limited parking area. Recommend a vehicle with some clearance.

TOOLS – Bucket/container.

SAFETY CONCERNS – Spiders, Snakes, Sunburn.

CLIMATE/WEATHER – Typical September weather, variable.

CLOTHING – Hat, and Gloves, Suntan lotion.

The Shop Trailer Has Been Moved

The Lapidary Shop Trailer has been moved to its new Fair-grounds location, near the fence by the National Guard Armory. The trailer is sitting on its tires, and the jacks and leveling have yet to be done.

The water will be connected in the near future, that is in progress. The electricity is delayed, due to the fact that a part is on back order by the electric company. Perhaps up to two weeks?? We presumably will need to build another ramp and some steps to the door.

The Saw Shed remains at its old location for now. When it is moved, we will keep you updated by email.

-Florence Brady/Terry Yoschak







LOCAL ROCK IN GREAT MOOD TODAY

19:41 EROSION IS NOT MUCH HAPPENING & WE BOUT TO GET IGNEOUS

 $From\ https://knowyourmeme.com/photos/1134615-breaking-news-parodies$

T. Rex Couldn't Stick Out Its Tongue

Summary:

Dinosaurs are often depicted as fierce creatures, baring their teeth, with tongues wildly stretching from their mouths like giant, deranged lizards. But new research reveals a major problem with this classic image: Dinosaurs couldn't stick out their tongues like lizards. Instead, their tongues were probably rooted to the bottoms of their mouths in a manner akin to alligators.

Researchers from The University of Texas at Austin and the Chinese Academy of Sciences made the discovery by comparing the hyoid bones -- the bones that support and ground the tongue -- of modern birds and crocodiles with those of their extinct dinosaur relatives. In addition to challenging depictions of dino tongues, the research proposes a connection on the origin of flight and an increase in tongue diversity and mobility.



"Tongues are often over-looked. But, they offer key insights into the lifestyles of extinct animals," said lead author Zhiheng Li, an

associate professor at the Key Laboratory of Vertebrate Evolution and Human Origins of the Chinese Academy of Sciences. He conducted the work while earning his Ph.D. at the UT Jackson School of Geosciences.

The researchers made their discovery by comparing the hyoid bones of extinct dinosaurs, pterosaurs and alligators to the hyoid bones and muscles of modern birds and alligator specimens. Hyoid bones act as anchors for the tongue in most animals, but in birds these bones can extend to the tip. Because extinct dinosaurs are related to crocodiles, pterosaurs and modern birds, comparing anatomy across these groups can help scientists understand the similarities and differences in tongue anatomy and how traits evolved through time and across different lineages.

The comparison process involved taking high-resolution images of hyoid muscles and bones from 15 modern specimens, including three alligators and 13 bird species as diverse as ostriches and ducks, at the Jackson School's High-Resolution X-Ray Computed Tomography Facility (UTCT).

The results indicate that hyoid bones of most dinosaurs were like those of alligators and crocodiles -- short, simple and connected to a tongue that was not very mobile. Co-author and Jackson School Professor Julia Clarke said that these findings mean that dramatic reconstructions that show dinosaurs with tongues stretching out from between their jaws are wrong.

"They've been reconstructed the wrong way for a long time," Clarke said. "In most extinct dinosaurs their tongue bones are very short. And in crocodilians with similarly short hyoid bones, the tongue is totally fixed to the floor of the mouth."

Clarke is no stranger to overturning dinosaur conventions. Her 2016 study on dinosaur vocalizations found evidence that large dinosaurs might make booming or cooing sounds, similar to the sounds made by crocodiles and ostriches.

In contrast to the short hyoid bones of crocodiles, the researchers found that pterosaurs, bird-like dinosaurs, and living birds have a great diversity in hyoid bone shapes. They think the range of shapes could be related to flight ability, or in the case of flightless birds such as ostriches and emus, evolved from an ancestor that could fly. The researchers propose that taking to the skies could have led to new ways of feeding that could be tied to diversity and mobility in tongues.

"Birds, in general, elaborate their tongue structure in remarkable ways," Clarke said. "They are shocking."

That elaboration could be related to the loss of dexterity that accompanied the transformation of hands into wings, Li said.

"If you can't use a hand to manipulate prey, the tongue may become much more important to manipulate food," Li said. "That is one of the hypotheses that we put forward."

The scientists note one exception linking tongue diversity to flight. Ornithischian dinosaurs -- a group that includes triceratops, ankylosaurs and other plant-eating dinosaurs that chewed their food -- had hyoid bones that were highly complex and more mobile, though they were structurally different from those of flying dinosaurs and pterosaurs.

Further research on other anatomical changes that occurred with shifts in tongue function could help improve our knowledge of the evolution of birds, Clarke said, giving an example of how changes in the tongues of living birds are associated with changes in the position of the opening of the windpipe. These changes could in turn affect how birds breathe and vocalize.

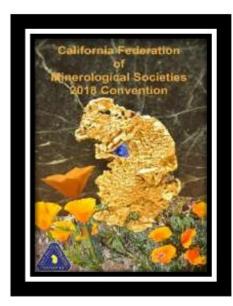
However, the researchers note that the fossil record as yet can't pin down when these changes to the windpipe occurred.

"There is more work to be done," Li said.

Reference:

University of Texas at Austin. ScienceDaily, 20 June 2018.www.sciencedaily.com/releases/2018/06/180620150129.htm.

September 2018



California Federation
of
Mineralogical Societies
2018 Annual Convention
and the
Feather River Lapidary
&
Mineral Society, Inc.
Show
September 15, 16, 2018
Silver Dollar Fairgrounds
Chico, California



We'd like to thank the Feather River Lapidary and Mineral Society, Inc., for inviting us to hold our 1st Directors Business Meeting of the year and festivities, alongside their annual show this year. Because we are not having a hosted show this year, we are having a convention only, and will be "pulling out all the stops" at the CFMS Endowment Fund Table and Endowment Fund Raffle, as our means of drawing income instead of a usual show. Let's make this a good year for the federation while enjoying a fun and wonderful show!

— Jennifer Haley, 2018 CFMS President

More information: http://www.cfmsinc.org/shows/2018CFMS_Convention_at_FRLMS_Show.pdf



September Calendar

Birthstone: Sapphire



Sun	Mon	Tues	Weds	Thurs	Fri	Sat
The Lapidary Shop vill resume at the S		osed for a relocation	ı. We are not sı	re when classes o	or Crafty Days	I
2	3 Tabor	4	5	6	7	8
9	10	II Meetings: Rookies 5:30 pm Club 7:00 pm	12	13	14	15 CFMS Show in Chico
CFMS Show Grass Valley Field Trip 9:30 am	17	18 Show Meeting 7:00	19	20	21	22
23 Meadow Vista Field Trip 8:30 am	24	25 Board Meeting 7:00	26	27	28	29

Upcoming Northern California Shows

September 15 - 16: CHICO, CA

Feather River Lapidary & Mineral Society Silver Dollar Fairgrounds, 2357 Fair Street

Hours: Sat 9:30 - 5; Sun 9:30 - 4 John Scott, (530) 321-6331 Email: jweazel@sbcglobal.net Website: www.featherriverrocks.org

The 79th CFMS Convention

will be held along side of the Feather River Lapidary & Mineral Society's Rock & Gem Show Show Hours Sat. 10AM-5PM Sun. 10AM-4PM



September 22 - 23: LODI, CA

Stockton Lapidary & Mineral Club Lodi Grape Festival Grounds 413 East Lockford Street

Hours: 10 - 5 daily

Contact: Mike Mathis, (510) 301-3612

Email: mmathis@nwp.org

Website: www.stocktonlapidary.com

October 6 - 7: GRASS VALLEY, CA

Nevada County Gem & Mineral Society

Nevada County Fairgrounds, 11228 McCourtney Rd.

Hours: 10 - 5 daily

Contact: Mitchell Frank Van Hecke, (530) 274-2425

Email: 4vanclan5@att.net Website: www.ncgms.org

October 13-14: LOS ALTOS, CA

Peninsula Gem & Geology Society

Los Altos Youth Center, One North San Antonio Rd.

Hours: 10 - 5 daily

Contact: Steve Jobe, (408) 834-5384 Email: steve_jobe@sbcglobal.net

Website: www.pggs.org

October 20 - 21: PLACERVILLE, CA

El Dorado County Mineral & Gem Society

El Dorado County Fairgrounds, 100 Placerville Drive

Hours: 10 - 5 daily Contact: Jean Klotz

Email: info@rockandgemshow.org Website: www.eldoradorocks.org

October 20 - 21: SANTA ROSA, CA

Santa Rosa Mineral & Gem Society

The Veterans Memorial, 1351 Maple Avenue

Hours: Sat 10 - 6; Sun 10 - 5 Contact: Jolene, (707) 849-9551 Email: coons@sonic.net Website: www.srmgs.org

October 27 - 28: SACRAMENTO, CA

Sacramento Mineral Society Scottish Rite Temple, 6151 H Street

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Alyssa Mesiznger, (916) 662-5819 Email: gemshow@sacramentomineralsociety.org Web Site: http://SacramentoMineralSociety.org

November 10 - 11: YUBA CITY, CA

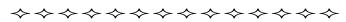
Sutter Buttes Gem & Mineral Society

Yuba-Sutter Fairgrounds, 442 Franklin Avenue

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Karen Horita, (916) 677-6696

Email: horita@comcast.net



Co-Op and Other Field Trips

Sept 14-17	Black Rock Desert, NV for Jasper, Jasp-Agate, Petrified Woods, Calcite and Quartz Geodes, Large Apache tears. Sacramento Mineral Society & Mother Lode Mineral Society. Contact: Gina Malcolm 707-685-4006 animalnurse668@outlook.com. Misty Watson 209-480-3176 mistywatsonc21@hotmail.com. Limit 20 people.
Sept 16	Grass Valley for many agates, jaspers, petrified woods (AZ, NV, OR), obsidian, thundereggs, Black Rock Desert Chalcedony nodules etc. Private Residence with over 50-years of collected material for sale. Roseville Rock Rollers. Contact: Gene Doyle, (408) 605-9457 (best to text or leave a voice message).
Sept 23	Meadow Vista for coprolite, rhyolite, petrified wood, geodes, Brazilian agates, jaspers, obsidian, etc. Private residence with quite a few years of collected material for sale. Roseville Rock Rollers. Contact: Gene Doyle, (408) 605-9457 (best to text or leave a voice message).
Sept 29-30	Fallon, NV for agates, jaspers, petrified wood and more. Calaveras Gem & Mineral Society. Contact: Brad Becker (209) 586-2144 beckerbk@sbcglobal.net
Oct 6-7	Hawthorne, NV for Microcline Feldspar, Copper minerals, Black Quartz Crystals, Epidote, Epidote in Quartz, Epidote in Calcite, Cassiterite, Grandradite and Grossular Garnet. Fossils, and possible petrified wood. Roseville Rock Rollers. Contact: Gene Doyle at (408-605-9457), euene.doyle@sbcglobal.net or James Hutchings (530) 367-5108 at home or (916) 995-7380 on the road. E-mail: jhutchings22@hotmail.com
Nov 9-12	(Veterans Day Weekend) Black Butte Lake & Stony Creek for various jaspers & agates. Mother Lode Mineral Society (MLMS) and Rockhound Field Trip Fanatics (RFTF). Contact: Kevin Kirschman (MLMS) kkirschman@prodigy.net (209)769-1502 and Kris Rowe phone: 559-250-5057. (RFTF) Facebook page https://www.facebook.com/groups/rockhoundfieldtripfanatic/?ref=bookmarks

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 2018





the ROLLIN' ROCK ROSEVILLE ROCK ROLLERS, INC.



MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES MEMBER, AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES VOL. 59 NO. 9 SEPTEMBER 2018

EDUCATIONAL MEETING EXECUTIVE BOARD MEETING

2ND TUESDAY OF EACH MONTH, 7:00 PM 4TH TUESDAY OF EACH MONTH, 7:00 PM

EDUCATIONAL MEETING LOCATION: ROSEVILLE FAIRGROUNDS, JOHNSON HALL, 800 ALL AMERICA CITY BLVD., ROSEVILLE, CA

Changes and exceptions will be published in the bulletin.

GUESTS AND VISITORS ALWAYS WELCOME