

Bulletin of the

Roseville Rock Rollers Gem & Mineral Society, Inc.

Volume 60, Issue 1 - January 2019

From the President's Pen

Well I hope everyone had a wonderful Christmas with family and friends, and are on track for an excellent New Year! As many of you are aware the New Year is where we ramp up even more for our upcoming gem and mineral show. Please consider volunteering and helping out wherever you can. Every little bit of help provided ensures the show's success. As stated in the past our gem and mineral show's success ensures our society's continued existence.

The Lapidary Shop has opened back up for lapidary classes and other lapidary arts classes. Please be sure to view the bulletin calendar for the dates the Lapidary Shop and upcoming classes are available. The updates to the Lapidary Shop will improve cabochon creation for the novice and experienced. A lot of hard work was put into restoring our Lapidary Shop after the move and it is up and running better than it has been for a long time. Please come by for a class some time and have a look at all the improvements.

—Glenn Fiala

Vice President's Corner

HAPPY NEW YEAR. Can you believe it is 2019? I was thinking of starting a new column but decided it wasn't fair to those members with January and February birthdays, and truthfully, I can't think of a new subject, at the moment. So, for those with January birthdays, the featured gemstone is the Garnet. This beautiful stone, which is most commonly red but can be found in a range of other colors, symbolizes peace, prosperity and good health. The Garnet is so durable remnants of garnet jewelry can be found as far back as the Bronze Age. Other references go back to 3100 BC when the Egyptians used garnet as inlays in the jewelry and carvings. Some say it even has power to give the wearer eternal happiness, health and wealth.

Here are just a few Meanings/Myths of the Garnet:

- 1. Garnet is actually a group name for the silicate minerals almandine, pyrope, spessartine, grossular, andradite, Mozambique and uvarovite, so the garnet is a far more diverse gem than its name suggests. (Say all that in one breath.)
- 2. Garnet is known for having the power to ward off the most horrifying dreams, and was considered most useful when the dreams involved spirits.
- 3. Gemstones can do just about anything; at least as far as modern-day crystal healers and ancient legends would have you believe. According to the legends, these abilities extended to fighting off demons. You see, among other gemstones, garnets in particular were believed to be excellent at warding off actual demons, and were also used for vague, generic protection from just about any evil possible.
- 4. Also, if some sort of danger is approaching, the legends say (Continued on page 2)

Educational Program January 8, 2019

Dr. Susan Gleason on "Archeology of Rocks and How They Were Made into Tools"



Save the Date!

Saturday February 23rd will be the date for Work Parties for the Silent Auction and the Kids' Junction. More details in the February bulletin.

Inside this issue:

Meeting Minutes, Announcements	2
Gem Faire Workers Needed, Current Unre- newed Members, Rookie News, Volunteers Needed for 2 Events, RRR Building Fund	3
SHOW BIZ: Show Flyers, Workers' Raffle, Tumbled Stones Needed, Raffle Donations	4
It's 2019 Show Time — We Need Helpers!	5
Lapidary Classes, Lapidary Shop News, African Green Garnets	6
CFMS/Pasadena Show, Calendar	7
Upcoming Northern California Shows	8

(Continued from page 1)

the garnet gemstone will lose color to warn you of your impending doom. (Great, I'd be either run over or fall off a cliff while looking at the stone. Forget about demons).

Our Educational Program for January 8, 2019 will be a presentation by Dr. Susan Gleason, Phoenix Obsidian Designs Trading Post in Grass Valley. Dr. Gleason will be demonstrating the use of obsidian by Indians in making jewelry and tools. Looking forward to seeing all of you there.

— Jan Kessler

MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING DECEMBER 11, 2018

Call to Order at 6:35 p.m. by President Glenn Fiala. **Flag Salute** –

Present: 55+ members, 7 Rookies and 1 Guest.

Introductions – Glenn welcomed Lifetime Members Bob Oleachea and Margaret Oleachea along with reading all the offices held by Bob.

Invocation – given by Kymberly Andrews.

Recess for Dinner.

Business Meeting called to Order at 7:30 p.m.

Juniors' Activities – Carole Kowalik reported there were 7 Juniors and they did rock art on pine cones. For the January Rookies meeting, William will give a presentation on Mexican topaz.

Sunshine – no report.

Treasurer – Terry Yoschak reported she paid \$6,000, half of the \$12,000 rental payment to the Fairgrounds for our 2019 Show.

Secretary – Florence Brady reported she is accepting renewals for 2019 membership dues.

Vice President, Jan Kessler reported the program for January will be a presentation given by Dr. Susan Gleason on "Archeology of Rocks and How They Were Made into Tools".

CFMS Director – Mike Hunerlach reported RRR added our name to the document requesting the reinstatement for rockhounding, in the Grand Staircase-Escalante National Monument and Kanab-Escalante areas.

Vests, tee shirts – Jan Kessler has these items available for purchase.

Field Trips – Gene Doyle reported he checked out several possible sites for field trips which were not fruitful. A spring trip sponsored by RRR, CFMS North and CO -OP will be to Topaz Mt. (Delta, UT).

Librarian/Historian – Karla Shannon reviewed the checkout procedure and stated she is still trying to receive books checked out and not returned. The library has been reorganized on the new shelves in the Lapidary Shop.

Show – Jim Hutchings reported our next show committee meeting will be Jan. 15th. Help is still needed with the social media portion of the publicity. Show flyers are available for distribution.

Lapidary Shop – Mike Hunerlach reported the Lapidary

Orientation Classes will resume on Dec. 17th. There will be a holiday schedule in place for the 2 weeks of holidays. Thanks were given to all the volunteers who helped restore our shop. Presently the Saw Shop is not up and running. Members were told to use caution when parking in the lot by the Shop due to on-going construction equipment, buildings.

The new HVAC units are working well.

Class Coordinator – Cathy Nelson reported there will be a silversmithing II class on Dec. 16th. A decision was made to require pre-payment when a member signups for a class. Further classes will be offered in the near future.

Refreshments – signups are being taken for the meetings for next year.

Old Business – Glenn thanked the members who made donations to the victims of the Paradise/Camp fire.

New Business

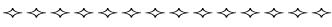
Presentation of CFMS bars and triangles – Glenn thanked the 2018 Board Officers for their work during 2018. A CFMS bar or triangle was given to each officer.

Installation of Officers for 2019 was done by Richard Kowaleski.

Gift exchange was done by participants.

Drawings – winners were: Member, Heidi Smith; Junior, Max Ogden and Guest, Chelsea Hardin.

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



January Show Meeting

The meeting will be held Tuesday, January 15 at 7:00 PM in the club Lapidary Shop at the Fairgrounds. Members are encouraged to attend and get involved!

January Board Meeting

The meeting will be held Tuesday, January 22 at 7:00 PM in the club Lapidary Shop at the Fairgrounds.



January Refreshments

Refreshments for the January 8 Educational meeting are to be provided by Martha Nichols, Shirley & Duncan Penman, Gene Engelbrite, Vernon Deck, Jan Kessler, Debi Roberts, Cheri Kussavage and Rita Lipscomb. Thank you all in advance!

We would appreciate if each family would sign up and bring a refreshment once in 2019.

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

Gem Faire Workers Needed



The annual Gem Faire at the Roseville Fairgrounds will be on February 1, 2, 3; Friday, Noon to 6 p.m., Saturday, 10 - 6 and Sunday, 10 - 5.

We are given table space to distribute show flyers and information regarding our club. You get to tell the Faire attendees, "At our show, they can get rocks, minerals and jewelry (and oh, yes, beads!)" here at the Fairgrounds on March 23 & 24!

RRR volunteers are needed. We have shifts for 2 1/2 – 3 hours, each of the 3 days. Signups will be taken during the January 8th Educational Meeting or e-mail Florence Brady, fhbrady@jps.net for more information and to sign up for a shift.

VOLUNTEERS NEEDED FOR 2 EVENTS

- 1.) We have a need for volunteers to be at our table at the upcoming **Gem Faire** (Commercial Show) on Feb. 1, 2 and 3, 2019. This event allows us to publicize our society and show in March.
- 2.) For the RRR 2019 Show, volunteers are needed to help with setup (Thursday afternoon and Friday morning) before the Show on the weekend of March 23 and 24. A total of about 140 volunteers, many who work more than one shift, will be needed. Clipboards for both events will be on tables during our Jan. 8th Educational Meeting. Shifts are clearly labeled on charts for both events. Details for volunteers are on page 5 in this bulletin. Show your support for our gem & mineral society and sign up to help, either at the Educational Meeting or via e-mail to Florence, fhbrady@jps.net.



RRR Building Fund

If you overpay on your membership dues, or simply wish to contribute, we will allocate it to the Building Fund. As soon as we reach a total of \$500, a new savings account will be set up at our bank to be reserved for this fund. Currently we have \$210.

To Current Unrenewed Members:

This will be your last issue of the bulletin if you do not renew your membership!

If you are renewing, please add the \$5 late fee to your check.

Rookie Rock Roller News



The Rookies will meet in the Lapidary Shop at 5:30 p.m. on Tuesday, January 8th, 2019.

At our last meeting, we made rock art; polished pebbles glued onto cinnamon scented pine

cones. Right after the meeting, we joined the adults for the December potluck and gift exchange. Wonderful food and fun.

In January, we will have a presentation on Mexican topaz by William. After this talk, we will have a fun rock related activity.

Does anyone have polished rocks to donate for the gem show grab bags? If so, please see me or Karla.

If anyone wants to talk about earning AFMS badges, let me know by email, text, or phone. We can set up a time and place to meet.

See you 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 hmcrane?@gmail.com

Go Green, Really Green

Get Your RRR T-shirt or Vest to Wear for our March Show For sale at the meetings.

The Rollin' Rock Roseville Rock Rollers Page 3 www.rockrollers.com January 2019

Show Flyers

We have 5,000 of each size flyers (business card size and postcard size) and we need to get them distributed.

At the January, February and March meetings, take some of these flyers and distribute them to friends, family, coworkers, anyone you meet!

Point out that each flyer contains a coupon worth \$1 off on ALL admissions (everyone in the person's party at the admissions desk).

Our research tells us that more people come to our show through personal reference from a "friend" than from newspaper ads or any other source.

So YOU are the ones who will make our show wellattended!

Thanks from the 2019 Show Committee





Tumbled Stones Needed

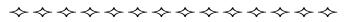


In the past, many members have donated polished/tumbled rocks for the grab bags we use for Kids' Junction at our gem & mineral show in March. Last year, there

was a wonderful show of generosity. We thank you so much for that help. We made it by the skin our teeth filling 500 bags.

Karla Shannon buys some brightly colored polished rocks every year from Tucson but they are so expensive. We need more than she can buy. We accept donations all year long and now need to plan for the February 2019 show work party. We appreciate any type, any color, and any amount you are able to donate. February 12, 2019 is the deadline to make it for the March 2019 show grab bags. There will be containers at all the meetings from now on. Or, you can see me, Cathy Hutchings, or Karla Shannon so we can properly thank you. I am willing to pick up your donations from anywhere within 50 miles.

Carole Kowalik, Juniors' Advisor, 916-871-0573



Raffle Donations

Chris and Denise are requesting donations for the Show Raffle and Door Prizes. We are looking for your rock art and jewelry. Also, we are looking for slabs. Please ID your items, and add your name if you wish.

There will be a donation box on the Show & Tell table at the meetings. Any more questions contact Denise at dedoodads@gmail.com or Chris at evergreen.369@juno.com



Workers' Raffle

Prizes this year are:

First Prize: Amethyst Tower

Second, Third and Fourth Prizes: Your choice of an RRR vest with patch, OR a family membership to RRR

for one year.

You will earn one ticket for volunteering at our Show.

The 2019 Show Committee decided to change the Workers' Raffle and the way volunteers earn a ticket for working at our

show. This year, each volunteer for the show, will be awarded one ticket, regardless of how many times they

help during the show days. We hope this does not deter members from working, rather we hope they are volunteering to help their gem and mineral society!

Volunteers are encouraged to sign in with the chairperson for the area in which they will be helping. Records will be kept, so all who volunteer, will receive one Workers' Raffle Ticket.

And when those raffle tickets are pulled (at the April 9th meeting — need not be present to win), you are only competing with other show workers. This is not a general raffle which anyone can enter!

2019 Show Committee









Setup/Takedown

Admission

Kids' Junction

Kitchen

It's 2019 Show Time — We Need Helpers! DATES: March 22, 23, 24 (NO experience needed!)

Our show for 2019 needs volunteer workers to help with a short time setup Thurs. afternoon, March 21; our regular setup on Friday, March 22; members to help during the show hours on Saturday and Sunday; and also with the takedown procedure on Sunday. For our new members, don't hesitate to help, as you will be working with other club members who can provide any needed assistance to you. Remember, once it was all new to us, too!

See areas below where help is needed. We ask that you sign up for a complete shift. Each volunteer will receive one ticket (for the whole show) for the "Workers' Raffle". Sign in with the Chairperson for the area where you are working.

Signups will be taken at our Educational Meetings. Look for the **SHOW SIGNUPS** sign. OR contact Florence at (916) 961-6868, fhbrady@jps.net

SETUP – starts at 9 a.m. on Friday, March 22 and continues through the morning/afternoon. (A lunch is provided.) Assist with unloading items from storage trailer. Skirting is placed on vendors' tables and exhibit tables, exhibit cases are set up, and signs placed. During the afternoon, we help the exhibitors, vendors, and assist in kitchen if needed. A dinner is available for workers.

<u>TAKEDOWN</u> – starts promptly at 4 p.m. on Sunday, March 24. Assist exhibitors. Remove empty exhibit cases, remove skirting, take down exhibitor tables. Remove skirting from vendors' tables. Help pack all items into storage trailer. Help Silent Auction, Kids' Junction/Education Station, Kitchen, and Entrance Area clean up. Clean up buildings. Fairgrounds puts away tables and chairs.

DURING THE SHOW - Hours Open: Sat. 10-5, Sun. 10-4

Each Show Day, two different shifts: 9:30 -1:30 and 1:00-5:00 (*Kitchen and Kids' Junction/Education Station have different times/shifts.)

*KITCHEN - help prepare the food or be a cashier and take orders and money. If you want to work 2 shifts, signup for first and last shifts.

Shifts are: 9:00 - 1:00, 10:30 - 2:30 and 1:00 - 5:00.

*KIDS' JUNCTION/EDUCATION STATION Run the train, assist with selling items, the spinning wheel, making necklaces, selling grab bags, etc. If you want to work 2 shifts, signup for first and last shifts. Shifts are: 9:30 -1:30, 11:00 - 3:00 and 1:00 - 5:00.

ADMISSION TABLES - greet visitors, take admission money, assist with filling out forms for hourly drawings and for addresses for the postcards. Explain the show is in 3 buildings.

SILENT AUCTION - Explain different auctions. Help setup an auction. Collect money from winners and make direct sales. A lot of fun, you get to see what is offered for sale!

SECURITY - Walk around the assigned building, be observant of the guests. Cell phones will be used to keep in contact. Vests stating "Security" are worn.

RAFFLE TABLE - Sell Raffle Tickets! Explain grand prizes and hourly prizes. Assist Chairpersons.

EXTRA PERSONS - TO BE ASSIGNED WHERE NEEDED

These members would fill in where needed during the shift they signed up for.

DRIVEWAY/GREETER - Stand in front of Garden Room door and direct visitors inside; make sure no one goes into the other part of the Show without going through the Garden Room first, to pay.

PARKING LOT MONITOR – more information later, but will probably need monitors at a parking lot to be used by our RRR volunteers.

The Rollin' Rock Roseville Rock Rollers Page 5 www.rockrollers.com January 2019

Lapidary Classes

Crafty Days - \$5 workshop fee. Bring whatever project you are working on and something to snack on for lunch! NO class fee, since this is not a class. 10 am-2 pm, each month on the 1st and 3rd Mondays. Crafty Days this month are January 7 and 21.

Prepayment is needed to secure your spot in these classes! Send a check made out to RRR, to:

Cathy Nelson

5524 Beauregard Way, Orangevale, CA 95662

We have scheduled a **Beginning Wire Wrapping**



class with Glenn Fiala on Saturday January 5, 2019 from 9AM to 12PM at the RRR Lapidary Shop trailer. The class fee will be \$25.00 which includes the RRR \$5.00 shop fee. All supplies are included in the class fee. The instructor will furnish pliers, and wire. If you have a cabochon of your own please feel free to bring it, but if

you'd don't have one Glenn will have some available.

We have scheduled a **Beginning Chain Maille class** with Glenn Fiala on Saturday January 19, 2019 from 9AM to 12PM at the Lapidary Shop RRR trailer.

The class fee will be \$25.00 which includes the RRR \$5.00 shop fee. All supplies are included in the class fee. The instructor will furnish pliers, however if you have any of your own jewelry pliers please feel free to bring them.

Please register early as these classes filled up very fast.

Please pre-register with Cathy Nelson 925-321-2024/ canelson2@netscape.net

— Cathy Nelson, Lapidary Classes Coordinator

LAPIDARY SHOP NEWS

- ♦ Shop will be open for instruction Mondays only starting January 14th. (See calendar in bulletin). Starting the week of February 4, the shop will be open on Mondays and Wednesdays.
- ♦ All users must receive updated shop-use instructions and rules and complete a new sign-off registration/use form.
- ♦ Slab saws are not operational until March 11th.



African Green Garnets

When you think of East Africa, you probably see the brown hills of the Serengeti, the endless herds of wildlife and the blue African skies. What you probably don't think of are green colored gemstones. But across the savannah, some of the most brilliant green is right there hidden under your feet. Hundreds of millions of years ago, this land was covered by a vast ocean. Layers of organic muddy sediment were de-

posited and eventually formed shale. After the vast expanse of water receded, the land underwent a metamorphosis, changing it completely, like the transformation from a caterpillar to a butterfly. Intense heat and pressure caused by the uplifting and folding of rock layers over and over caused the ocean floor, rich in minerals such as vanadium and chromium in addition to others, to metamorphically transform these rocks into the unusual gemstones of Africa we know today.

The geological processes that produced the green gemstone were graphitic gneisses, rich in calcium from the veins of marble that are found networking through them. The green crystals are often formed in pods coated with quartz or scapolite, which are known as "potatoes" to the local miners.

The discovery of this beautiful gemstone in 1967-68

was actually the result of two geologists working independently at the same time.

The Scottish geologist, Campbell R. Bridges prompted by Tiffany of New York was working on one side of a hill and South African Peter Morgan was approaching from the other side. Bridges is thought to have first confirmed the discovery but Morgan found the first large deposit.

Tiffany of New York named the gemstone in 1974 and is credited for introducing it to the world market.

The brilliant green Tsavorite, a type of garnet, is a very young gemstone with a very ancient geological history. The composition is Ca₃Al₂(SiO₄)₃ with a hardness of 7.5.

The bushland on the Kenya and Tanzania frontier is dry grass land with some bare rolling hills. The region is dangerous to travel with areas where lions roam and snakes are abundant. The Tzavo National Park nearby, was considered typical of its habitat and consequently the stone was named in the park's honor.

—By Ed Gage, Member of Austin Gem & Mineral Society, Austin, TX

Sources: Mineral Record, Jan/Feb 2004, From Stone Chipper, Nov/Dec 2005, graphic from http://www.lapigems.com/

The Rollin' Rock Roseville Rock Rollers Page 6 www.rockrollers.com January 2019

CFMS Show



See https://pasadenalapidary.org/2019-show/ For more information



January Calendar

Birthstone: Garnet



Sun	Mon	Tues	Weds	Thurs	Fri	Sat
		I	2	3	4	5 Beginning Wire Wrap 9 am-Noon
6	7 Crafty Day 10-2 Lapidary Shop 5:00-9:00 pm	8 Meetings: Rookies 5:30 pm Club 7:00 pm	9 Lapidary Shop 5:00-9:00 pm	10	11	12
13	14 Lapidary Shop 5:00-9:00 pm	I5 SHOW Meeting 7:00 pm	16	17	18	19 Beginning Chain Maille 9 am-Noon
20	Crafty Day 10-2 Lapidary Shop 5:00-9:00 pm	22 Board Meeting 7:00 pm	23	24	25	26
27	28 Lapidary Shop 5:00-9:00 pm	29	30	31		

Upcoming Northern California Shows

January 19 - 20: EXETER, CA

Tule Gem & Mineral Society, Visalia Exeter Veterans' Memorial Building

324 N. Kaweah Avenue Hours: Sat 10 - 5; Sun 10 - 4

Contact: Laura Manser (559) 308-0632

Email: ldriggs5@gmail.com Website: www.tulegem.com

February 16 - 17: ANTIOCH, CA

Antioch Lapidary Club

Contra Costa County Fairgrounds

1201 West 10th Street Hours: 10 - 5 daily

Contact: Brenda Miguel, (925) 301-6957 Email: brenda.miguel@yahoo.com Website: www.antiochlapidaryclub.com

February 23 - 24: VALLEJO, CA

Vallejo Gem & Mineral Society

McCormack Hall, Solano County Fairgrounds

900 Fairgrounds Drive Hours: 10 - 5 daily

Contact: Dan Wolke, 707 334-2950 Email: dncwolke@sbcglobal.net Website: www.vjgems.org

March 1 - 3: NEWARK, CA

Mineral & Gem Society of Castro Valley

Newark Pavilion 6430 Thornton Avenue

Hours: Fri & Sat 10 - 6; Sun 10 - 5 Contact: Beth Farmer, (510)-731-8664

Email: bethfarmer@aol.com Website: www.mgscv.org

March 8, 9 & 10, 2019 80th CFMS SHOW & CONVENTION

Hosted by the Pasadena Lapidary Society

Fairplex, Building 6 Pomona, California Hours: Fri. & Sat., 10 am - 5 pm

Sun., 10 am - 4 pm

Visit Pasadena Society's Show Page for details and forms including dealer information. https://pasadenalapidary.org/2019-show/

March 9 - 10: TURLOCK, CA

Mother Lode Mineral Society, Modesto Stanislaus County Fairgrounds

900 North Broadway Hours: 10 - 5 daily

Contacts: Bud & Terry McMillin, (209) 484-4416

Email: terry.mcmillin@yahoo.com

Website: www.motherlodemineralsociety.com

March 16 - 17: SAN JOSE, CA

Santa Clara Valley Gem & Mineral Society

Santa Clara County Fairgrounds

344 Tully Road Hours: 10 - 5 daily

Contact: Sonia Dyer, (408) 629-5735 Email: sonia.dver@sbcglobal.net Website: www.scvgms.org

March 23-24: ROSEVILLE, CA

Roseville Rock Rollers Gem & Mineral Society

Placer County Fairgrounds

800 All American City Blvd (off

Washington)

Hours: Sat 10 - 5; Sun 10 - 4 Contact: James Hutchings, (916)

995-7380

Email: jhutchings22@hotmail.com Website: www.rockrollers.com

April 13 - 14: MARIPOSA, CA

Mariposa Gem & Mineral Society Mariposa County Fairgrounds

5007 Fairgrounds Road (South of Mariposa off Hwy 49)

Hours: Sat 10 - 5; Sun 10 - 4 Contact: Meredith Meehan Email: mgmc@sti.net

Website: http://mariposagemclub.org

April 13 - 14: PASO ROBLES, CA

Santa Lucia Rockhounds Paso Robles Event Center 2198 Riverside Avenue Hours: 10 - 5 Daily

Contact: Kim Noyes, (805) 610-0603

Email: kimnoyes@gmail.com Website: slrockhounds.org

April 27 - 28: RENO, NV

Reno Gem & Mineral Society Reno Sparks Livestock Event Center 1350 North Wells Avenue

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Daniel Ellis, (775) 229-4420

Email: sailondan55@aol.com

Website: www.renorockhounds.com

April 27 - 28: SANTA CRUZ, CA

Santa Cruz Mineral & Gem Society Santa Cruz Civic Auditorium

307 Church Street Hours: 10 - 5 daily Contact: Sarah Hawklyn Email: shawklyn@yahoo.com

Website: www.scrockngem.org

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

Send exchange bulletins to above address



* First Class Mail *





the ROLLIN' ROCK ROSEVILLE ROCK ROLLERS, INC.



MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES MEMBER, AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES VOL. 60 NO. 1 JANUARY 2019

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