



## From the President's Pen

Hope you all had a very Merry Christmas and a fun and exciting New Year! I was actually able to come up with some interesting finds and one that I may have provided in the past. If I did provide this chart in the past, it is always a great idea to refresh one's memory of geological events and studies.

The Volcanic Explosivity Index is always a great chart to take a look at and see just how big many past volcanoes explosion was. So take a look at this diagram and find yourself down the rabbit hole researching each volcano to learn even more about each.

<https://geology.com/stories/13/volcanic-explosivity-index/>

On the topic of volcanoes, Iceland has to deal with yet another one. They may have escaped the worst of the problems due to the magma flows not heading towards major infrastructure. Here are some pictures and short bits of information of this recent volcanic event.

<https://www.cbsnews.com/news/iceland-volcano-photos-eruption-reykjanes-peninsula-grindavik/>

The last thing I found that is very interesting is ten findings in 2023 that provides some great information for the dinosaur hunters out there.

<https://www.smithsonianmag.com/science-nature/the-top-ten-dinosaur-discoveries-of-2023-180983403/>

Hope you all find these stories very interesting and start the new year with a love for finding all things new and exciting for the geological world.

— Glenn Fiala

## Vice President's Corner

HAPPY NEW YEAR Members and Guests!

It's time for the Roseville Rock Rollers to get this year rolling... without collecting too much dust! In fact, Gene has a few trips up his sleeve to collect some nice materials, so be sure to get signed up for more adventures!

January will be ushered in with a presentation of the Vulture Gold Mine in Arizona, by Geologist Gary Carter.

Gary has a Wild-West presentation from a unique perspective, including phenomenal historical photos, and interesting details of gold in the Smithsonian. From the Gold Rush and Placer gold, to other locations the fever drew settlers seeking the valuable sparkle, in hopes of finding their fortune.

Which brings us to the Vulture Mine.... Gary brings excitement to its Arizona significance and its history.

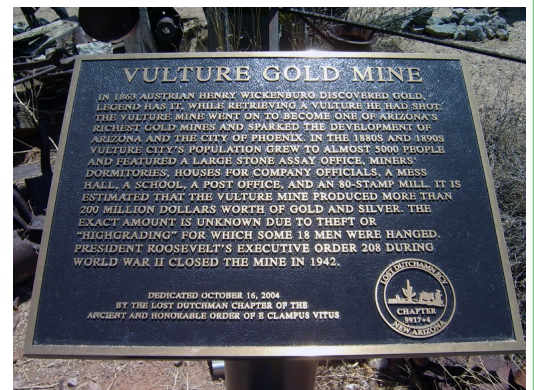
SEE YOU SOON IN THE NEW YEAR, KICKED OFF IN GOLD. Bring a friend, neighbor, or co-worker to enjoy the refreshments with!

— Vern Deck

## Educational Program

January 9, 2024

This month's educational meeting will be @the Grounds in Roseville on January 9th at 7 PM in the Garden Room. Join us for a presentation of the Vulture Gold Mine in Arizona, by Geologist Gary Carter. Hope to see you there and as always, feel free to bring a friend!



<https://readtheplaque.com/plaque/vulture-gold-mine-wickenburg-arizona>

**EDUCATIONAL MEETING LOCATION:  
@THE GROUNDS IN THE GARDEN ROOM  
700 EVENT CENTER DRIVE, ROSEVILLE, CA**

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## **MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING DECEMBER 12, 2023**

CALL TO ORDER: Vice President Vern Deck called the meeting to order at 6:34 p.m.

FLAG SALUTE: Vice President Vern Deck led the Pledge of Allegiance.

ATTENDANCE: Present were 41 adult members, 9 juniors, and 5 guests.

INVOCATION: Vice President Vern Deck led the prayer for the blessing before the meal.

POTLUCK DINNER: Steve Smith and Elizabeth Cheairs prepared turkey breasts, and Jim Hutchings prepared the ham. Vice President Vern Deck called each table to line up.

BUSINESS MEETING:

SUNSHINE – Chair Heather Crane was absent, and no report was given.

JUNIORS – Juniors' Advisor Patty Holbrook reported 8 juniors attended the meeting. Les Holbrook gave a presentation on his recent trip to New Mexico, sharing samples of specimens he collected. Juniors learned about borax, petrified wood, and the geology of the Red Rock Canyon State Park. During the January meeting, Florence Brady will present her fossil collection from Germany.

TREASURER – Treasurer Kim Fiala reported the income and expenditures from November 1st through December 10th. Total income from memberships, lapidary shop, silent auction, and donations was \$2,046.50. Total expenditure was \$3,319.73. Expenditures included rent \$1,700, utilities \$200.34, insurance \$403.87, DOJ raffle fee \$30, USPS P.O. Box \$194, lapidary equipment and supplies \$741.75, refreshments \$40.93, member badges \$8.84)

MEMBERSHIP – Secretary Florence Brady reported a total of 268 members. Two joined since last meeting. 150 renewed for 2024. Accepting renewals for 2024 membership. Renewal dues not paid by December 31st will be delinquent and will incur an assessment of \$5.

VICE PRESIDENT – Vice President Vern Deck reported the program for the January Educational Meeting will be a presentation by Gary Carter on the Vulture Gold Mine in Arizona.

CFMS – Federation Director Meg Zbierski was absent, and no report was given.

SOCIETY ID ITEMS – Vice President Vern Deck reported that members should contact Chair Todd Smith regarding the availability of vest, t-shirts, and patches.

FIELD TRIPS – Chair Gene Doyle reported on the November field trip to Sugar Pine and the December field trip to the Jade Home Show and Sale at Mike Burkleo's residence, where attendees were able to tour his private collection and purchase jade afterwards. Field trips will resume in February, weather permitting.

## **MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING DEC 12, 2023 con't**

LIBRARY – Librarian/Historian Karla Shannon reported materials for checkout were not available tonight. Books were returned during the meeting. Members encouraged to review library cards and verify if they currently have books checked out. Karla is seeking information to identify the donor of Rockhounds the Movie.

SHOW – Chair Jim Hutchings reported next year's venue contract may be available at the end of December. Publicity Chair Gloria Marie provided a display of the 2023 Show's impact. A collection of Saturday's hourly show drawings and postcards revealed that many attendees heard about the show from friends and family, social media, and postcards. Hourly show drawings and postcards will be packaged and shipped to Carole Kowalik for data cataloging. Jim reported the need for a volunteer to serve as Show Secretary, outlining the associated duties. The first meeting for the 2024 show will be February 20th.

LAPIDARY SHOP – Director Sherri Collins stated that there are no new reports.

REFRESHMENTS – Vice President Vern Deck called for members to use the sign-up page on the Hostess table if they would like to bring refreshments for next year's meetings.

LAPIDARY CRAFT CLASSES – Chair Cathy Nelson was absent and previously requested a need for volunteers to instruct classes.

OLD BUSINESS: The floor was opened; no items were raised.

NEW BUSINESS: The floor was opened; no items were raised.

GENERAL ANNOUNCEMENTS: Board Meetings will not be held tonight or on December 26th. Leftover Turkey will be available for purchase at \$2 and \$5.

PROGRAM: Vice President Vern Deck and Secretary Florence Brady led the ceremonies.

PRESENTATION of CFMS AWARDS to 2023 OFFICERS – CFMS Bars and Triangles were presented by Vice President Vern Deck to each 2023 RRR Officer. On behalf of President Glenn Fiala and Vice President Vern Deck gratitude was extended for the Officers' service in 2023. Gratitude and appreciation were extended to Florence Brady for her 23 outstanding years of service as Secretary.

CHAIRPERSONS INTRODUCTIONS – Secretary Florence Brady introduced each Committee Chairperson and gratitude was extended to Refreshments Chair Christine Davis for her help setting up tonight's holiday potluck dinner.

INSTALLATION of 2024 OFFICERS – Secretary Florence Brady led installation of each 2024 RRR Officer.

# MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING DECE 12, 2023 cont'd

## Refreshments



We currently have no one signed up to bring refreshments to the January Educational Meeting on January 9.

The generosity of the members that have brought refreshments without signing up in the past has enabled our educational meetings to be supplied with an abundance of evening snacks for the meeting.

To prevent any shortages at the educational meeting, we request that you sign up so that we can notify you of the agreed obligation and ensure there will be enough refreshments available during the educational meeting.



## New Membership Application

The application for membership in RRR can be downloaded from our website:

<http://www.rockrollers.com/documents/RRR-Membership-Application2023V2.pdf>

This application can be brought to the upcoming educational meeting along with payment and given to the RRR Secretary/Membership Chair, Jacqueline Parker.



## To Current Unrenewed Members - Late Membership Renewal

To Members who have not renewed: This will be your last issue of the bulletin if you do not renew your membership for 2024! If you are renewing, please add the \$5 assessment to your check.

Members who have not renewed by mid- January 2024, will be "pink slipped" as in removed for future RRR bulletins and informational e-mails. They will no longer receive information from RRR.

**In order to renew for 2024, please use  
the Late Membership Renewal Form on page 6.**



## January Board Meeting

The meeting will be held Tuesday, January 23, at 7:00 PM in the club Lapidary Shop @the Grounds.

### PRESENTATION of LIFETIME MEMBER AWARD – Vice

President Vern Deck presented the Lifetime Member Award to Rolf Zschoernig, who joined RRR in 1999 and served as a 2-Year Director (2003-2004), CFMS Federation Director (2010-2013) and Society ID Item Chairperson (2014-2020).

### GIFT EXCHANGE

DRAWINGS: Chair Nancy Hood announced door prize winners: Adult member Jacqueline Parker, Junior member Kaia Hidalgo, and guest Rachel Bruce.

SILENT AUCTION: Chair Holli Hinkle previously reported the Silent Auction will not be held.

ADJOURNMENT: Meeting adjourned at 8:10 p.m.

Respectfully submitted,  
Jacqueline Parker, Secretary



## Thank You For Your Donations

A big thank you to Dennis Fenwick and Martha Lewis for a very generous financial contribution!

Another big thank you to Gary Hunt for his incredibly large donation of lapidary rock and material that was appraised at having a Total Fair Market Wholesale Evaluation of \$12,932.00 by Mike Hunerlach! The rock collection is truly appreciated and will go to great use at the Lapidary Shop! This collection was put together over more than 50 years. Many specimens are from locations that are no longer accessible or available for public collecting. The collection is a gathering of both common and uncommon rocks consisting of agates, jaspers, petrified wood and other materials used in the lapidary arts.

We greatly appreciate the continued generosity of members.

Nancy Hood, Greeter

## Rookie Rock Roller News



The Juniors will meet in the Lapidary Shop on Tuesday, January 9, 2024, from 5:30 to 6:45 pm. Florence will be our guest speaker. She is bringing fossils from the Solnhofen Limestone Quarry in Germany. We will also learn about the quarry and how the fossils are mined.

Plus view some additional pictures of fossils from the quarry. Solnholm is particularly noted for fossils of the Archaeopteryx dinosaur.

I am still looking for people who would be willing to share their fossil collections with us at our scheduled meeting on the second Tuesday of the month. Please let me know if you are interested in sharing your knowledge and collections.

The Junior Program is designed for children 8-17 years of age. I am finding that children younger than that need extra support to do the activities. They need help following directions and completing the activities. I do not want to turn younger children away if they are interested in the program, so I am asking that parents stay with children under seven.

The Juniors may work on badges on their own. Just let me know when they finish a badge, and I will go over it with them. All the information to complete these badges is in the Future Rockhounds of America Badge Program (on the homepage click on Kids Corner, then click on Merit Badge Program, and finally click on AFMS Badge Manual).

See you in January,  
Patty Holbrook, Junior Advisor  
916 834-3915 and pattyholbrook@hotmail.com

## Lapidary Shop News

Another year goes by. I hope y'all had amazing times and beautiful experiences.

If you haven't been in to the lapidary shop, come by and check us out! We've still got openings on Wednesday and Thursday 11 AM - 3 PM, and Wednesday evening 5 - 9 PM.

We are getting a rather large donation sometime in January. Any and all help would be appreciated. Please contact me if you are able to do so.

Sherri Collins 916 704 2682 or  
veryneceshherri@yahoo.com

*Sherri Collins, Shop Chairperson*

## In Our Society: The Economic Importance of Garnet

"Garnets have been used as gemstones for thousands of years, and with other red gems were often collectively known as carbuncles. Garnets' color, hardness, and transparency make them attractive stones for use in jewelry, but they are generally too common to be prized as high-quality gems. Presently, garnet's main economic value derives from its hardness and lack of cleavage, which makes it an excellent abrasive. As an abrasive, garnet is primarily used as a loose-grain abrasive in air blasting or water jet cutting. In sand blasting operations, garnet sand is a safer alternative than the more traditional silica (quartz) sand because of the greater health risks of inhaling airborne silica dust. Fine garnet dust is used in the detailed finishing and polishing of optical lens, plate glass, and semiconductor materials. Garnet grains may also be affixed to materials as coated abrasives, and if you work with wood, you almost certainly have purchased sandpaper made of garnet grains. Because garnet is chemically stable, it is also used as a filtering medium for water purification systems or wastewater treatment plants."

<https://commonminerals.esci.umn.edu/minerals-g-m/garnet>

## Fun Facts About Garnet

- ◆ Garnet is January's birthstone as well as the gemstone for the 2nd wedding anniversary.
- ◆ Garnets form at high temperature and pressure.
- ◆ Garnet rates as 6.5-7.5 on the Moh's hardness scale.
- ◆ The name "garnet" comes from the Latin word granatus, which means "seed-like" and refers to its pomegranate seed-like look.
- ◆ The term "garnet" actually refers to a variety of gemstones that all share a similar crystal structure, but the chemical composition varies due to different ions.
- ◆ The garnet group includes almandine, grossular, andradite, spessartine, pyrope, and uvarovite.



<https://www.gia.edu/garnet-description>

## CFMS Newsletter

All RRR members also belong to the California Federation of Mineralogical Societies-CFMS.

The CFMS Newsletter is available at:

<https://cfmsinc.org/newsletters/>



# Lapidary Shop News

**Lapidary Shop:** Things are hopping at the shop; classes are filling up. Make sure to call if you want to get into the Introductory Cabochon Class. We have a wait list for the daytime class.

Still openings in the Wednesday evening class with Fran.

The schedule is:

**Mondays:** 5:00 PM to 9:00 PM. Instructor is Vernon Deck. Please call him to set up an appointment. (805) 598-3206

**Wednesdays:** 11:00 AM to 3:00 PM. Instructor is Holli Hinkle. Please call her to set up an appointment. (916) 579-8011

**Wednesdays:** 5:00 PM to 9:00 PM. Instructor is Fran Todd. Please call her to set up an appointment. (310) 987-0642

**Thursdays: OPEN SESSIONS** 11:00 AM to 3:00 PM. Instructors are Sherri Collins (916) 704-2682, Gene Doyle (408) 605-9457. Please call one of them to set up an appointment. **These open shop times are for those who have completed RRR's introductory cabochon class\*\*\*\*\*).**

**Thursdays: OPEN SESSIONS:** 5:00 PM to 9:00 PM. Monitor is Holli Hinkle. Please call her to set up an appointment. (916) 579-8011. These open shop times are for those who have completed RRR's introductory cabochon class.

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



Sherri Collins , Shop Chairperson 916-704-2682



January 2024



Birthstone: Garnet

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 <i>Happy New Year</i> Lapidary Shop: 5:00 - 9:00 PM	2	3	4 *** Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	5	6
7	8 Lapidary Shop: 5:00 - 9:00 PM	9 Meetings: Rookies 5:30 PM Club 7:00 PM	10 Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	11 *** Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	12	13
14	15  Lapidary Shop: 5:00 - 9:00 PM	16	17 Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	18 *** Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	19	20
21	22 Lapidary Shop: 5:00 - 9:00 PM	23 Board Meeting 7:00 PM	24 Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	25 *** Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	26	27
28	29 Lapidary Shop: 5:00 - 9:00 PM	30	31 Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM	*** Lapidary Shop: 11:00 AM - 3 PM 5:00 - 9:00 PM		

\*\*\* Thursday Classes:  
These open shop times are for those who have completed RRR's introductory cabochon class

**ROSEVILLE ROCK ROLLERS – LATE MEMBERSHIP RENEWAL for 2024**

**(Please do not add a new member to this form)**

**If your personal/contact information is the same, just write SAME on this form, under your name(s).**

**NAME(S)** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_  
Street City/State Zip

**PHONE** including area code \_\_\_\_\_

**E-MAIL** \_\_\_\_\_  
(e-mail address will be part of the Club's Membership Roster)

**PHOTOGRAPHY RELEASE:** I hereby grant permission to The Roseville Rock Rollers Gem and Mineral Society to use photographs taken of me during society events for promotional purposes, including but not limited to, newsletters, website, and social media:

**I CONSENT**       **I DO NOT CONSENT**      **INITIAL(S)** \_\_\_\_\_

**DUES:**

- |                                     |   |         |
|-------------------------------------|---|---------|
| <input type="checkbox"/>            | Adult Membership                            | \$25.00 |
| <input type="checkbox"/>            | Family Membership<br>2 adults, same address | \$35.00 |
| <input type="checkbox"/>            | Junior Membership                           | \$9.00  |
| <input checked="" type="checkbox"/> | Assessment Fee *                            | \$5.00  |

**\$\_\_\_\_\_ Amount Paid** (including \$5.00 assessment fee)      **Check # \_\_\_\_\_**

\* Dues paid after December 31 will be delinquent and an assessment of \$5.00 will be charged.

Checks should be payable to **RRR** or **Roseville Rock Rollers**.

If paying by US mail, please mail to:

Roseville Rock Rollers Gem & Mineral Society  
P.O. Box 212  
Roseville, CA 95678