



From the President's Pen

Without writing an actual book on how to silver solder I believe I have covered the few surprise tips and tricks that I have found to be the most worthy to write about. So unless someone asks me for some tip or trick in the future that I may actually have some knowledge or trial and error experience with, I am going to make this month's input short.

I am receiving reports that our lapidary shop is having an excellent turn out week after week. Thank you to the volunteers ensuring the members have a place to go to so that they may learn and expand their lapidary skills. I have also been informed that there is some talk of simple classes to provide to the members basic machine maintenance. The thinking behind this is to provide the members a basic knowledge of equipment repair and maintenance. Who knows, it may just help you out when you decide to purchase your own machine or borrow a friend's machine.

Please be aware when in the yard area around the lapidary shop. There are still construction crews that may or may not be present when our classes are going on. Just better to be safe than sorry!

Final thing I want to mention is there are plans to re-sheet the lapidary shop trailer, paint it and possibly even replace the entry doors. We are going to wait for the weather to cooperate and cool down some, but current plans are to see if this cannot be done in September, October of this year.

Hope everyone is having a wonderful summer and just make sure to stay cool.

—Glenn Fiala

Vice President's Corner

A few months back I came up with the idea that my column would focus on learning about "rocks." Well, that is a lot bigger challenge than I anticipated. I know, I can hear the laughter from the seasoned rock hounds. However, I'm not going to give up on the idea, it just won't start with this month's bulletin.

As our annual "Ice Cream Social" will take place at this month's Educational meeting, August 13th, there will not be a guest speaker. I'm looking forward to seeing all of you.

—Jan Kessler

Show and Tell: Please bring your best items which you have collected or made which would be of interest to other members, and tell us all about them. This will be an interactive Show and Tell, not just samples sitting on a table!

We ask those who are willing, to give a 2-minute talk on your items, which will progress during the "Eating of the Cream"!! — Editor



Educational Program for August 13, 2019 In the Garden Room

SHOW AND TELL AND ICE CREAM !!

Please bring your best items for Show and Tell. Everyone will have a chance to get up and "Tell" for a few minutes.



And August is always our Annual Ice Cream Social.

Members: please bring your favorite ice cream, or other dessert item (pies, cakes, brownies, cookies), and/or toppings like sprinkles, syrup, fruit, whatever. Please pre-cut any pies or cakes. And don't forget your ice cream scoops!

NO FREEZER IS AVAILABLE.

Please bring your items around 6:30 so that we can have everything on the tables and ready to go by 7:00!

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MINUTES FOR ROSEVILLE ROCK ROLLERS EDUCATIONAL MEETING JULY 9, 2019

Call to Order by President Glenn Fiala at 6:32 p.m.

Flag Salute.

Introductions by guests.

Invocation – given by Kymberly Andrews.

Recess for dinner.

Business Meeting –

Juniors – Carole Kowalik reported there were 5 Juniors who played the Rock Bingo game.

Treasurer – Terry Yoschak had no report.

Secretary – Florence Brady reported membership is 251.

Vice President – Program – Jan Kessler reported the August Ed. Mtg. will be the Ice Cream Social.

Federation Director – Mike Hunerlach stated applications are being accepted for Camp Paradise and he will attend the fall CFMS meeting in November in Visalia, CA.

Vests, Tee Shirts, Patches – see Jan if interested in purchasing any RRR items.

Librarian/Historian - Karla Shannon reported she was accepting returned books and magazines.

Lapidary Classes – no new classes at this time.

Lapidary Shop – Denise Coyne reported they have had a lot of students on M & W nights. Perhaps another class will be added, possibly during the day. Jim Hutchings has installed materials to provide the building with shade.

Show – Jim Hutchings reported the new sports building is scheduled to open in February 2020. We will still hold our show in March.

Field Trips – Gene Doyle reported on the field trip to Indian Spring Trail Head. Possible upcoming field trip to Duncan Canyon on July 21st and Debbie Bunn reported on the FFF field trip to the Museum at Sierra College on July 13th. Gene reminded members of the upcoming field trip to the Gold Bug Mine, Priest Mine and Stamp Mill in Placerville, on July 27th.

Old Business – Glenn announced Jim Marsh was the winner of the Camp Paradise Scholarship, members were encouraged to attend one of the 2 weeks of camp.

New Business – none.

Announcements – Glenn reported the Train Club will have to vacate the building they are using at the Fairgrounds by the end of the year.

Drawings – winners were: Member, Vern Deck; Junior, Mia Wittmeyer and Guest, Justin/Kati Meredith.

Refreshments – Chris Davis encouraged members to sign up for refreshments for the fall meetings.

Adjournment – meeting was adjourned at 7:42 p.m.

MINUTES FOR ROSEVILLE ROCK ROLLERS BOARD MEETING JULY 9, 2019

Call to Order by President Glenn Fiala at 7:43 p.m.

Present: 8 officers for a quorum.

Membership Applications – a motion was MSA to approve the membership applications from Justin & Kati Meredith and Kaihua Zhang.

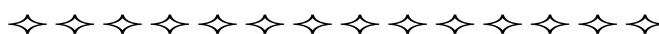
Adjournment – meeting was adjourned at 7:45 p.m.

Respectfully submitted,

Florence Brady, RRR Secretary

NO August Board Meeting

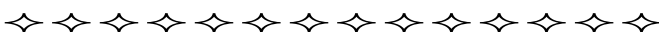
The next scheduled Board meeting will be held Tuesday, September 24 at 7:00 PM in the club Lapidary Shop at the Fairgrounds.



Sunshine

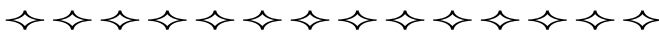
A sympathy card was sent to Tim & Sophia Carlson for the passing of Tim's stepfather.

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



RRR Building Fund

If you overpay on your membership dues, or simply wish to contribute, we will allocate your donation 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 \$348.



Clean Copper Jewelry in 60 Seconds!

In a glass or ceramic bowl, put enough lemon juice to cover half of your item, and about a tablespoon of salt. It's not an exact science, I even left the seeds in! I dipped the cuff half-



in, half-out at first (to see the before and after), but you can literally sit back and watch the copper clean itself in front of you. Leave it in the mixture of lemon juice & salt for about 30-60 seconds... A beautiful, shiny copper cuff, all done! All you have to do now is rinse & dry with a soft cotton

towel or paper towels. Polish it with some beeswax or renaissance wax if you want to protect it for a little longer.

www.handmadeology.com/how-to-clean-copper-jewelry-in-60-seconds/ via Rockhound Ramblings 12/15

LAPIDARY SHOP NEWS



New Donated Shed

We have the new donated shed between the Shop and the saw shed now. Once it is fixed up it will be great for storage.

The Roebbelen contractor at the Grounds has been working on regrading the dirt behind the Shop and they should be done soon. This will fix the standing water problems during the rainy season.

Be on the lookout for a notice this fall, (once it cools down) for a work party to fix needed repairs on the outside of the Shop.

Remember that Jim Hutchings is in the Shop for Mineral Identification on Monday evenings.

— Denise Coyne



Lapidary Classes

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

Regular \$5 per day or \$20 monthly rates apply for lapidary shop use after Orientation/Introduction classes. Large & Extra Large Saws: \$2 per slab for 18 inch saw & or 24 inch saw for cutting large & extra large rocks.

Crafty Days - Crafty Days is an open get together/play day for anybody wanting to work on their craft while yakking and snacking! We always have fun! Bring whatever you are working on and a snack to share. We meet 1st and 3rd Mondays each month. No class or class fee, \$5 for use of the Shop is the only fee. 10-2pm at the Lapidary Shop.

Crafty Days this month are August 5 and 19.

Opal Classes continue

Our George Comas is currently teaching a series of classes on opals at RRR's Lapidary Shop at 200 Corporation Yard Rd., Roseville. **At this time, all the classes have been filled, and a wait list has been created.**

To request more of these classes, contact Denise Coyne 714-393-0006 cell, email: dedoodads@gmail.com

Welcome New Members:

Justin & Kati Meredith
Kaihua Zhang

Rookie Rock Roller News



The Rookies will meet in the lapidary shop at 5:30 p.m. on August 13, 2019. At our last meeting, we learned a bit of identification of rocks playing the Rock Bingo game. Evan was the first to yell out "bingo" and blackout.

We had so much fun. All juniors picked a prize in the order of blackout.

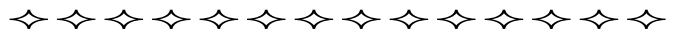
After the meeting, We went over to the potluck to join the adult members. There was way too much great food for everyone.

At our August meeting, the Rookies will play the Rock Hound game which also teaches identification of rocks and minerals. After this meeting, we join the adult members for the ice cream social.

If anyone is ready to talk about badges, I can meet with you easily throughout the month, just about anytime that is convenient for you. Let me know by text, email, or phone.

See you at the meeting,

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



“Wish List” Department

...because sometimes we like seeing pictures of jewelry we could never afford!

All these descriptions and photos are from an advertisement for the LA County Museum of Natural History's display "Diamonds: Rare Brilliance" in March 2017. Via Delvings 1/17

The Juliet Pink

- Found in South Africa
- This "Fancy Intense Pink" diamond is classified as rare
- Original rough estimated at 90 carats
- Diamond on view is 30.03 carats (which is absolutely huge)
- The pink diamond is set in a necklace made of white diamonds of different cuts totaling 98.70 carats



The Rainbow Necklace

- Comprised of 88 natural multi-colored diamonds
- Demonstrates fluorescent properties of colored diamonds
- Colors include blue-grey (extremely rare), green-yellow, orange-pink, purple-pink, and brown-orange
- Total necklace is 35.93 carats

The Argyle Violet

- Possibly the rarest diamond ever found
- The 2.83-carat oval shape is the largest violet diamond unearthed from the Argyle diamond mine in Western Australia (2015), and is polished from an extraordinary 9.17-carat rough diamond
- The "Fancy Deep Grayish Bluish Violet" oval diamond is set in a ring that was created specifically for this display at the LA Natural History Museum.



How To Start Lapidary

ON THE ROCKS

Tips-Ideas-Questions & Answers, on Anything Relating to the Hobby

by Terry Vasseur, Editor of *The Agatizer*, South Bay Lapidary & Mineral Society



While I was in the Northrop club, Thursday nights just didn't do enough, so I started buying some equipment I could use on weekends at home. The first thing I bought was a Hi-Tech All-U-Need 6" lap machine. I still have one. The only thing to be careful is, don't press too hard on the edge. Excessive pressure on the 6" plate will eventually

ruin a bearing in the motor. In that time it cost \$300, now they are \$460.

I wanted to have a small water saw to cut slabs and small

rocks to prepare rock materials for polishing. The Hi-Tech 6" did the job. I bought that saw for \$350 (now they are \$550 with a vise to cut straight slices). After 22 years of use, I had to have a new motor.



Both machines are good for starters but if you expand your hobby you just might want to get the heavy duty Diamond Pacific Gene costing between \$2000 to \$2500. This machine will work much faster than the Hi-Tech.

From *The Agatizer* May 2018

Buying Slabs

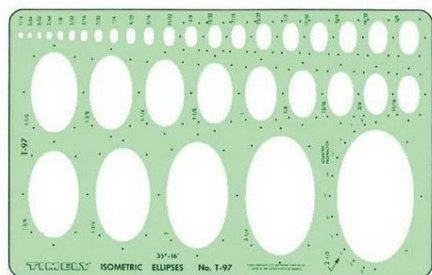
By Steve Weinberger

Our website recently has had questions sent by visitors asking about buying slabs. Obviously these folks are interested in cutting cabochons and I think this is great since you have much more freedom when you make jewelry if you don't have to stick to the calibrated cabochons which you purchase from dealers. Cutting a cabochon is a relaxing way to spend an hour or two as well and you always have something nice to show for your efforts without spending a fortune on metals or equipment.

Some of the people who contacted us really don't quite know how to go about selecting rough material. and I thought that perhaps some of our members face the same dilemma. Here's what we do.

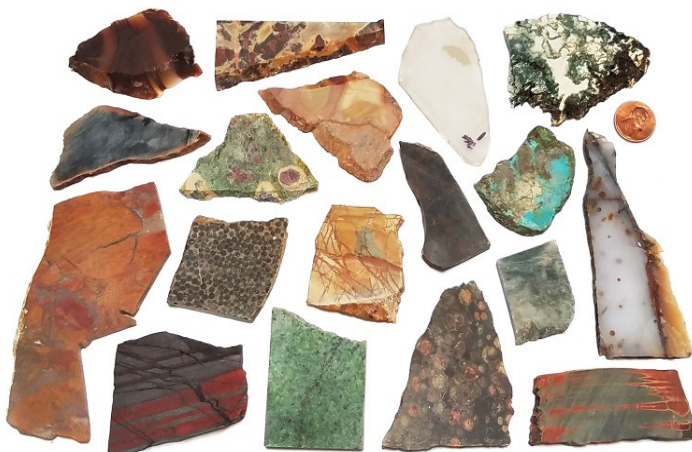
First, you have to get out of the habit of trying to find inexpensive slabs that will yield lots and lots of stones. The adage "you get what you pay for" rings very true here. Do you really want to sink your money into a slab that will yield 20 dull looking cabs? Or pitted ones? Or cracked? "You get what you pay for"!

Take a template along with you. These can be made of metal or plastic and contain a variety of standard shapes cut out of the material. To use them, you simply hold the template against the slab you're looking at, and move it around until you find a "picture" looking back at you.



Try a variety of sizes and shapes when you're looking - sometimes a very large size won't work out, but a smaller one will. If the slab is dry, wet it so you can see what the cab will look like when polished. Sometimes you'll find more than one good picture in a slab too. It's a matter of trial and error. Once you've found a picture or two on a slab that catches your eye you'll need to examine the slab. If it's wet, dry it with a paper towel. Let it sit a minute or two under a light bulb so it dries completely. Now look for any cracks and pits, especially in the area that you've selected for your cab. Pits and cracks will produce poor finished stones and the material should be avoided.

Next look at the thickness of the slab. It shouldn't be more than about 1/4" thick for regular cabochons unless you want to make something with an ultra high dome. Anything thinner than 1/4" will present problems when you go to shape the stone and the material could easily crack or chip.



Also look at the smoothness of the slab. If the back is rough and uneven, you probably have selected an "end cut". This could cause problems when you cut your cabochon.

Next look at the area you've chosen and look at the back of the slab. Does the pattern go all the way through? If not, how altered is it from the one you've selected? The closer the pattern on the back of the slab is to the one you've chosen on the front, the greater your chance of having the scene of your finished stone be close to the one you've selected. If the pattern is vastly different on the back, then the pattern or scene will probably disappear as you shape and sand.

Always remember to use a light touch when grinding and sanding so you don't put excessive wear on the wheels or add scratches to the stone. Use the full width of each wheel or sanding cloth too, so that they wear evenly and don't create uneven marks on your cabochon as you work. Don't throw those chips from your slab away either. Put them in a jar or box, then when you have enough, run them in the tumbler. Kids love tumbled stones and you sometimes need just a small dab of a colored stone for a piece of jewelry.

Have fun, select well and bring your finished treasures for Show & Tell.

From the Chesapeake Gem & Mineral Society's Chipper' Chatter, 10/16, via Delvings 4/17

Slabs photo from www.greatslabs.com

Template photo from www.amazon.com/Timely-97T-Isometric-Ellipses-Template/

THE UNITED STATES OF AMERICA ACCORDING TO GEOLOGISTS



Kent Ratajeski & Callan Bentley, 2015
via The Conglomerate, Reno GMS, 10/18



Malachite

Many references have been made in gem books about the enormous size and quantities of malachite that have been used. At one time, gem grade malachite was widely used as ornamental stones.

Huge masses once were mined in the Nizhna Tagilsk mines, situated on the Siberian side of the Ural Mountains. These properties were owned by nobility and the clergy, and were operated solely for their benefit.

In one mine, a solid block of malachite was quarried and taken out intact. This block had the fantastic size of 9 x 18 feet. This mine produced more than a half million pounds of pure, solid, gem-quality malachite.



Since malachite was so plentiful, it was used for a variety of uses, mainly decorative building purposes. Whole rooms in palaces were lined with sawed slabs. Large table tops were a common item in the furniture of the nobility. Churches of

old St. Petersburg held man-fluted Corinthian columns of malachite.

The Queen of England received fabulous pieces carved from malachite, as did all the nobility and clergy of Europe. Items ranged from vases to caskets, clock cases, jewelry boxes, to tiny snuff boxes.

The Belgian Congo and Rhodesia are the largest producers of rough malachite today. It also is found in Australia, England, U.S.S.R. and in Arizona.

The term malachite is derived from the Greek word "malache" meaning mallow, in reference to its leaf color. Chemically, malachite is a carbonate of copper with about 8% water. Heating will drive off the water, with a resultant change in color. To preserve the original color, acids or liquids should not be brought in contact with it. Malachite is a soft stone, only 3 ½ to 4 in hardness, and is a poor choice for rings. It will dull easily, so is not resistant to wear.



(by Mae Williams in *Gems & Mineralines*, via *Petrified Digest*, via *The Glacial Drifter 12/18*). Photos from State Hermitage Museum in Saint Petersburg, Russia.



Gold Bug Mine Tour

Twelve people, led by RRR Field Trip Coordinator Gene Doyle (front, right) on Saturday, July 27. Photo posted by Gene to the RRR Facebook page. (www.facebook.com/groups/359563453490/)



August Calendar

Birthstone: Peridot



Sun	Mon	Tues	Weds	Thurs	Fri	Sat
For more class information, contact Class Coordinator: Cathy Nelson (925) 321-2024 Email: canelson2@netscape.net				1	2	3
4	5 Crafty Day 10-2 Lapidary Shop 5:00-9:00 pm Mineral ID	6	7 Lapidary Shop 5:00-9:00 pm	8 Opals, Class 2 6—9 pm	9	10
11	12 Lapidary Shop 5:00-9:00 pm Mineral ID	13 Meetings: Rookies 5:30 pm Club 7:00 pm	14 Lapidary Shop 5:00-9:00 pm	15	16	17
18	19 Crafty Day 10-2 Lapidary Shop 5:00-9:00 pm Mineral ID	20	21 Lapidary Shop 5:00-9:00 pm	22 Opals, Class 3 6—9 pm	23	24
25	26 Lapidary Shop 5:00-9:00 pm Mineral ID	27	28 Lapidary Shop 5:00-9:00 pm	29	30	31

Upcoming Northern California Shows

September 21 - 22: CHICO, CA

Feather River Lapidary & Mineral Society
Silver Dollar Fairgrounds, 2357 Fair Street
Hours: Sat 9:30 - 5; Sun 9:30 - 4
Lori Millard, (530) 533-2968
Email: lorimillard58@yahoo.com
Website: www.featherriverrocks.org

September 21 - 22: MONTEREY, CA

Carmel Valley Gem & Mineral Society
Monterey Fairgrounds, 2004 Fairgrounds Road
Hours: 10 - 5 daily
Contact: Janis Rovetti, (831) 372-1311
Email: janis12@sbcglobal.net
Website: cvgms.rocks

September 28 - 29: 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: stocktonlapidary.org

October 5 - 6: GRASS VALLEY, CA

Nevada County Gem & Mineral Society
Nevada County Fairgrounds, 11228 McCourtney Road
Hours: Sat 10 - 5, Sun 10 - 4
Contact: Mitchell Frank Van Hecke, (530) 575-4252
Email: 4vanclan5@att.net, Website: ncgms.org

October 19 - 20: PLACERVILLE, CA

El Dorado County Mineral & Gem Society
El Dorado County Fairgrounds, 100 Placerville Drive
Hours: 10 - 5 daily
Contact: Debbie Winterson
Email: info@rockandgemshow.org
Website: eldoradorocks.org

October 26 - 27: SACRAMENTO, CA

Sacramento Mineral Society
Scottish Rite Temple, 6151 H Street
Hours: Sat 10 - 5; Sun 10 - 4
Contact: Alyssa Meiszinger, (916) 205-4441
Email: webadmin@sacramentomineralsociety.org
Web Site: sacramentomineralsociety.org

November 2 - 3: CONCORD, CA

Contra Costa Mineral & Gem Society
Centre Concord, 5298 Clayton Road
Hours: 10 - 5 daily
Contact: Mike Hopkins
Email: mhopkins@ironhorsedesign.net
Website: contracostamineralandgemsociety.org

November 9 - 10: YUBA CITY, CA

Sutter Buttes Gem & Mineral Society
Yuba-Sutter Fairgrounds, 442 Franklin Blvd
Hours: Sat 10 - 5; Sun 10 - 4
Contact: Karen Horita, (916) 677-6696
Email: horita@comcast.net
Website: sutterbuttesgemmin.org

Largest Spider Fossil Ever Found: Nephila Jurassica

By Dean Praetorius

Scientists have discovered what is believed to be the largest spider fossil ever.

Alas, those huge, dog-sized arachnids from the movies are but a dream. Found in a layer of volcanic ash in Inner Mongolia, China, *Nephila jurassica* wasn't all that monstrous, despite being the largest spider fossil ever found.

The fossil was about as large as its modern relatives, with a body one inch (2.5 centimeters) wide and legs that reach up to 2.5 inches (6.3 cm) long. Golden orb-weavers nowadays are mainly tropical creatures, so the ancient environment of *Nephila jurassica* probably was similarly lush.

<http://www.livescience.com/13789-largest-fossil-spider-china.html>



Pair of male (left) and female (right) fossil *Mongolarachne jurassica*. <https://en.wikipedia.org/wiki/Mongolarachne>

SPECIAL NOTE - After being described in 2011, *Nephila jurassica* has since been found to not represent a species of *Nephila*, and was granted its own genus as *Mongolarachne* in 2013.

www.prehistoric-wildlife.com/species/n/nephila-jurassica.html

Editor's Note: This website has lots of good information about everything from sabre-tooths and mammoths to all kinds of dinosaurs.

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

Send exchange bulletins to
above address

*** First Class Mail ***

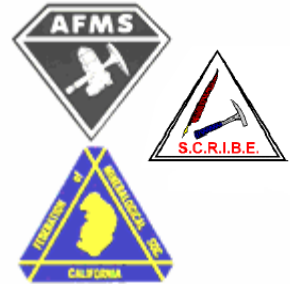


August 2019



the
**ROLLIN'
ROCK**

ROSEVILLE ROCK ROLLERS, INC.



**MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES
MEMBER, AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES
VOL. 60 NO. 8 AUGUST 2019**

**EDUCATIONAL MEETING 2ND TUESDAY OF EACH MONTH, 7:00 PM
EXECUTIVE BOARD MEETING 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