



# THE POLISHED SLAB

SOUTHERN NEVADA GEM AND MINERAL SOCIETY



July 2023

A NEWSLETTER FOR ROCKHOOUNDS SINCE 1940

VOLUME 83 ISSUE 7

## UPCOMING MEETINGS

July 6, 2023 - Board Mtg  
July 10, 2023 - Genl Mtg at 5:30 pm

### SNGMS Contacts:

www.snvgs.org  
sngmsnews@gmail.com  
sngmspresident@gmail.com  
sngmsvicepresident@gmail.com  
sngmssecretary@gmail.com  
sngmstreasurer@gmail.com  
sngmsshowchair@gmail.com  
sngmspublicity@gmail.com  
sngmsjamboreeshowchair@gmail.com

Hello!

First I'd like to thank all of you who submitted comments to the Mojave National Preserve committee. I know they have a long planning process to go through and we are hoping for the best.

If you are looking for places to make an impact and visit with other rock hounds, remember the Rocky Mountain Federation show is in Casper, Wyoming on July 14-16, 2023. And the American Federation Show is Aug 4-6, 2023 in Billings, Montana. There's also a new Rock and Bottle Show in Tonopah, Nevada from August 4-6, 2023 which promises to be very interesting with several of the Otteson brothers (from the turquoise mining family) having huge booths.

We have some great rock hounding trips coming up as well to cooler Nevada locations. July 14-16, 2023 will be in Lund/Ely area and in August, plans are being finalized for a trip to the mountains of Utah for yet more fun rocks.

The shop equipment is in great condition, and we encourage all of you to come down and use our lapidary equipment or take a class to create a masterpiece in air-conditioned comfort.

It seems only yesterday I was saying our November Viva Las Vegas Rocks show was six months away. All of a sudden, it's only 4 months from now. Orville Wiemers is our Volunteer Coordinator for the show, so if you have time or special talents to offer, please contact him at sngmsvicepresident@gmail.com. You may also contact Dale Bright, show chairman at dalebright1@hotmail.com, or me (sngmspresident@gmail.com). Diane Burgess (burgess@cox.net or 702-575-2762) is managing vendor booths. We still have a few booths left.

Remember next month's cab contest theme is a seahorse!

See you in the Rocks!

--

Andrea Packo  
SNGMS President

### Inside This Issue

<i>Field Trips &amp; Events</i>	2
<i>Viva Las Vegas Rock &amp; Gem Show</i>	3
<i>Board Meeting Minutes</i>	4
<i>General Meeting Minutes</i>	5
<i>Sunshine Report, Birthstones, &amp; Puzzle</i>	6
<i>Meeting Dates, Shop Hours, &amp; Maps</i>	7
<i>Studio Tips &amp; Tricks</i>	8
<i>Cabochon Contests</i>	9
<i>Birthdays, New Members Welcome</i>	10
<i>Kids Club Activities &amp; Speakers</i>	11
<i>SNGMS Volunteer Staff</i>	12
<i>Speakers &amp; Sponsors</i>	13
<i>Mineral Musings</i>	14
<i>Class Schedules, Puzzle Answers</i>	15
<i>Polished Slab Advertising Rates</i>	16



## 2023 Field Trips<sup>1</sup> & Events

Field Trip <sup>1</sup> /Event	Date	Location
Rocky Mountain Federation Of Mineralogical Societies <sup>2</sup>	July 13 – 16, 2023	Ramkota Hotel, 800 N Poplar, Casper, WY
Magnesite, Agate, and Opalized Jasper Trip <sup>1</sup>	July 14-16, 2023	Lund, NV
Tonopah Rock and Bottle Show <sup>3</sup>	August 4 – 6, 2023	Tonopah, NV
Agate and Jasper Trip <sup>1</sup>	August 12-13, 2023	Utah – Holt Canyon &/or Milford
JOGS Tucson Gem & Jewelry Show	August 31 – September 3, 2023	Tucson Expo Center, 3750 E Irvington Rd, Tucson, AZ 85714
Topaz Mountain, limited to 10 people. \$110/person <sup>1</sup>	September 2023 on a Saturday	Lynndyl, UT
Purple Agate Trip <sup>1</sup>	September 23 - 24, 2023	Burro Creek, AZ
Variscite/Turquoise Pay to Dig <sup>1</sup>	October, 2023 – exact date TBD	Tonopah, NV or Kokoweef, CA
Viva Las Vegas Rock & Gem Show & Sale <sup>4</sup>	November 3-5, 2023	Santa Fe Station Casino, 4949 N Rancho Dr, Las Vegas, NV 89130

- 1) *Field trip destinations, dates, and times are subject to change. Contact Joel Coombs [joel.coombs@bldr.com](mailto:joel.coombs@bldr.com)*
- 2) *Contact Mac Goss [macogre13@gmail.com](mailto:macogre13@gmail.com)*
- 3) *Classes and vendor booths available, contact Chrissy Pope, 775-277-0840 [chrissy.townoftonopah@gmail.com](mailto:chrissy.townoftonopah@gmail.com)*
- 4) *Vendor booths available. Contact Diane Burgess, [burgess@cox.net](mailto:burgess@cox.net) 702-575-2762*

### Some links with information you may find helpful:

American Federation Of Mineralogical Societies Newsletter – [www.amfed.org/whatsnew.htm](http://www.amfed.org/whatsnew.htm)  
 Rocky Mountain Federation of Mineralogical Societies – [www.rmfm.org](http://www.rmfm.org)  
 Rock & Gem Magazine website – [www.rockngem.com](http://www.rockngem.com)



Lavi Jasper from the North Cadys Field Trip  
 June 10-11, 2023



# VIVA LAS VEGAS ROCKS! Rock and Gem Show and Sale



November 3-5, 2023

**Jewelry, Lapidary  
Arts, Mineral Specimens,  
Home Decor, Gifts  
for the Holidays**



Friday, Nov. 3rd, 1 pm to 7 pm  
Saturday, Nov. 4th, 9 am to 5 pm  
Sunday Nov. 5th, 9 am to 4 pm

*Over 60 Vendors showcasing the finest gem and mineral experience in Las Vegas. Take part in exciting demonstrations of lapidary arts, local geology, and much more. Don't miss this opportunity to discover the fascinating world of gems, minerals, and jewelry. Come add some treasures to your collection, or find gifts for the Holidays!*

*For more information  
[www.snvgs.org](http://www.snvgs.org)*

**Vendor booths are available.**

**Reserve yours - contact Dianne Burgess  
[burgess@cox.net](mailto:burgess@cox.net) or 702-575-2762**



## SNGMS Board Meeting Minutes for 7/6/2023

On July 6, 2023, the regular Board of Directors meeting of the Southern Nevada Gem and Mineral Society was called to order at the Desert Arts Supply at 4 pm by the President. All Board member except the three year board member, Bob Belcher, were present. The pledge of allegiance to the flag was recited.

The minutes of the June 1<sup>st</sup> 2023 meeting were approved as read.

**Treasurers Report:** The treasurer reported account balances with a checking balance of \$28,985.07.

**Shop Report:** Donated items will be evaluated. Any plan to keep or auction the items will be completed by September 2023.

### Unfinished Business:

The Wells Fargo certificate of deposit will expire in August 2023. The general membership will be asked for permission to let the certificate expire if the board feels the need to explore other investment options.

Dale Bright provided updates on progress with the Viva Las Vegas Show.

### New Business

Del Walkenshaw proposed, seconded by Peggy Sue Moore and approved by the Board, that “up to \$400.00” would be used by Ron Mazz for purchases of rock specimens.

The meeting was adjourned at 5:10 p.m.



Serious Slabbing with a Rock Saw at the SNGMS Lapidary Shop



## SNGMS General Meeting Minutes for 7/10/2023

The meeting was called to order by President Andrea Packo at 5:30pm.

Reading of the minutes was suspended due to the absence of the Secretary due to illness.

**Treasurer's Report:** The treasurer's report was given by Treasurer Peggy Sue Moore. June ended with a checking account balance of \$28,964.45. Investment balance as of June 30<sup>th</sup> was \$109,341.30 and the sweep account was \$11,790.89. A meeting to discuss the reinvestment of our certificate of deposit in the amount of \$100,000.00 will be held and the information gathered will be distributed to the General Membership, to be voted on at the August General Membership Meeting.

**Door Prizes:** Door prizes were drawn and distributed.

**Membership Report:** Membership Chair Claudia Crouse is updating the membership list.

**Kid's Club/Rock Stars:** Wendy Dresser gave the Kid's Club/Rock Stars report. The next Kid's Club meeting will be on August 13<sup>th</sup>, 3pm to 5pm at the SNGMS Lapidary shop. An email blast will be sent for their activities.

**SNGMS Lapidary Shop Report:** Richard Nelson will offer equipment orientation classes on the 1<sup>st</sup> and 3<sup>rd</sup> Sundays of the month, at the shop. Please email Richard at richard\_nelso89@hotmail.com to reserve your spot.

**Presentation:** Simon Jowett from the University of Nevada, Las Vegas gave a presentation on Lithium Mining in Nevada.

**Viva Las Vegas Rocks Show:** Dale Bright gave an update on the Viva Las Vegas Rocks show being held on November 3<sup>rd</sup>, 4<sup>th</sup> & 5<sup>th</sup>. Volunteers and raffle prizes are requested for this event.

**Cabochon Contest:** Winners for the July 2023 cabochon contest with an octopus theme were 1<sup>st</sup> place-Bruce Martin and 2<sup>nd</sup> place-George Stewart.

**Field Trips:** A field trip to Lund, Nevada is scheduled for Friday, Saturday and Sunday of July 14, 15 & 16. Email on this has been re-sent to the SNGMS membership with all the details. A field trip in September 2023 to Topaz Mountain in Utah is planned. This is a fee site. The fee is \$110/person with a limit of 10 people. Upcoming events and future trips will be publicized as details become available.

**Classes:** Classes on faceting, wire wrapping, new member orientation, cabochon making, and silversmithing will be offered in July 2023.

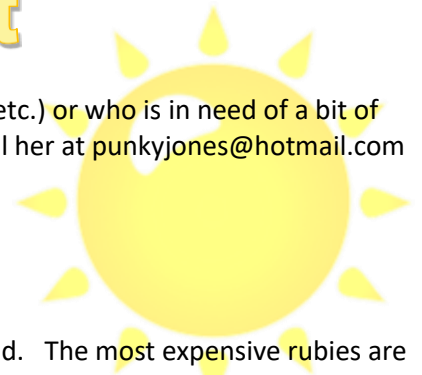
The meeting was adjourned at 7:02pm, with the raffle immediately following.

### The Columbia 23 Mine

SNGMS members Nick Barnes, Eric Cifani, and Heather Perkins recently became mine owners. They manage pay-to-dig events at the Columbia 23 Mine near Goodsprings, Nevada. A variety of copper bearing minerals are found at the mine. For more information, check [www.columbia23mine.com](http://www.columbia23mine.com)



# Sunshine Report



If you hear of any SNGMS member with an event to celebrate (wedding, anniversary, etc.) or who is in need of a bit of sunshine due to accident, illness, etc., PLEASE call Beth Jones at 702-505-5819 or email her at [punkyjones@hotmail.com](mailto:punkyjones@hotmail.com) (please put SNGMS Sunshine in the Subject).

Lorrilee Stackhouse has been ill.

## Ruby, the July Birthstone

Ruby is the July birthstone. The name comes from the Latin word "ruber," meaning red. The most expensive rubies are deep red with a hint of purple, called "pigeon's blood." Ruby is a variety of the mineral corundum. Its color comes from trace amounts of the element chromium. The more chromium, the stronger the red. Rubies are often heat treated to enhance their red color. They can be faceted or cut as cabochons. Cabochon cuts are usually done to show a ruby's star.



Faceted Ruby from the Smithsonian Museum

Rubies are found in Myanmar, Vietnam, Mozambique, Thailand, Cambodia, Afghanistan, Tajikistan, Pakistan, Sri Lanka, Kenya, Tanzania and Madagascar. Early explores in Nevada mistakenly identified garnets from Elko County as rubies.

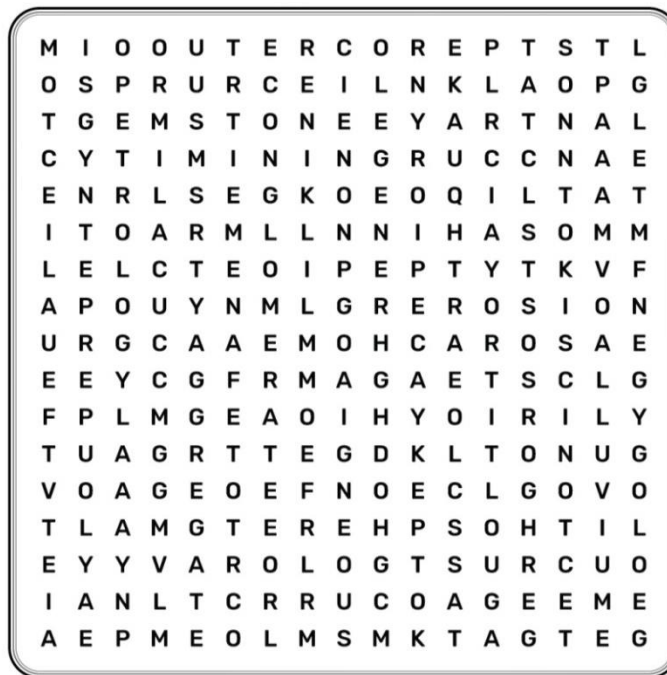
Rubies can be cleaned with warm soapy water and a soft brush.



Ruby Star Cabochon

## Geology Word Search Puzzle

Look for geology-related words. Words are written in straight lines forwards, backwards, up, down, and diagonally. When you find a word, circle or highlight it. Answers on page 15.



Courtesy of <https://sciencenotes.org/geology-word-search>



**SNGMS Meeting Schedules and Lapidary Shop Hours**

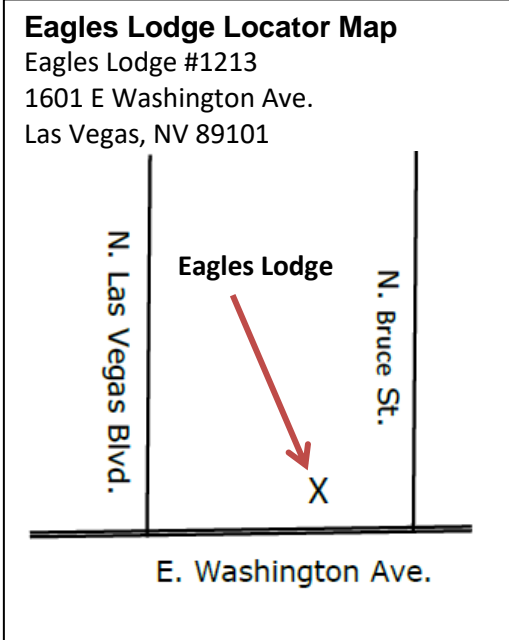
SNGMS 2023 Meeting Schedule	
Board Mtg	General Mtg
6-Jul	10-Jul
3-Aug	7-Aug
7-Sep	11-Sep
28-Sep	2-Oct
2-Nov	6-Nov
30-Nov	none
<b>Awards Banquet</b> Dec-03	

**SNGMS General Meeting**  
*Non-members welcome!*

1st Monday of every month (2nd Monday if a holiday falls on the first Monday). No meeting in December.

We meet at:  
Eagles Lodge  
1601 E Washington Ave.  
Las Vegas, NV 89101

Show & Sell 5-5:30 PM  
General Meeting 5:30-7:30 PM



**Rock Stars Kids Club** meets the 2nd Sunday of every month (unless it falls on a holiday) from 3pm - 5pm at the SNGMS Lapidary Shop

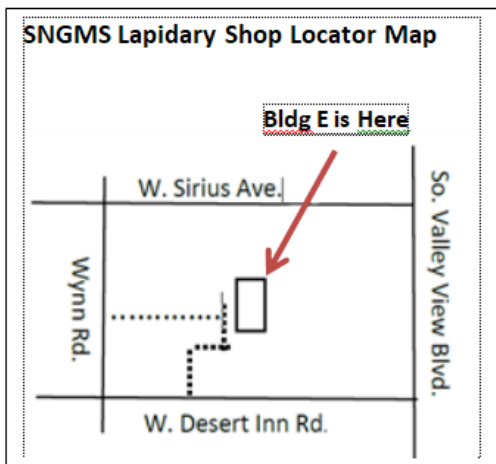
**Location of the SNGMS Lapidary Shop**

3111 South Valley View Blvd,  
Building E Shop Suite 125  
Las Vegas, NV 89102

Please, **under no circumstances**, park in front of Unit 124 or Unit 126 (the units next to the SNGMS Shop). The owners of the units come in at odd hours and need access to their parking spaces. There is ample parking across from the SNGMS Lapidary Shop that is not in front of any unit.

**Finding the SNGMS Lapidary Shop**

Proceeding west on Desert Inn Road, take the first right past South Valley View Blvd. into the industrial park area. Drive past the building on your right, then jog right, then left and you will be in front of Building E. Another option is to enter off of Wynn Rd. Go west on Desert Inn Rd. to Wynn Rd., turn right onto Wynn Rd. and go to the first entrance on the right (past the BIG white Commercial building sign) turn right and straight in front of you is Building E, Suite #125.



**SNGMS LAPIDARY SHOP HOURS\***

Sunday 10 am - 3 pm  
Monday Closed for general use: Various Classes  
Tuesday 10 am - 7 pm  
Wednesday 10 am - 7 pm  
Thursday 12 - 9 pm  
Friday 12 - 9 pm  
Saturday 1 - 6 pm

**SHOP EQUIPMENT FEES:**

All equipment is \$6/hour. Machines are metered, so you only pay for the time the equipment is actually running.

**SHOP CLOSED:**

Kids Club: 3- 5 pm 2nd Sunday of the Month  
Board Meeting: Various Thursday Nights 6 - Approx 7 pm

*\*Check Email and "Polished Slab" for possible date changes.*



### Lapidary/Jewelry Studio Tips & Tricks Marking Rough Cabochon Forms on a Slab

- 1) Aluminum or Brass Scribe. These scribes are basically thin rods of aluminum or brass sharpened to a point. You draw with them like pencils, and they leave a thin mark on the slab. You choose which one to use, depending on the color of your slab. These scribes are the basic tools for making the outline of cabochon shapes on slabs. The scribed lines will not wash off during sawing or grinding. The scribes can be sharpened with a file or a grinding wheel. They are available at multiple web sites, and of course, you can make your own!
- 2) Sharpie Oil Based Paint Marker. Sharpie makes oil-based felt-tip paint markers in lots of colors and sizes. These markers are somewhat slow to dry, somewhere in the vicinity of 15 minutes in our climate. Although the marks hold up well in water-lubricated cab machines, the lines tend to blur and dissolve in oil-lubricated trim saws.
- 3) Dykem Tuff Guy Marker. The Dykem Tuff Guy marker is a heavy-duty, permanent ink marker. It is resistant to most cutting fluids, so it doesn't blur or dissolve in trim saw cutting oils or in water. It dries quickly and comes in a variety of colors (green, red, yellow, blue, black, and white). It only comes in a medium point, so if you want a fine line this marker may not meet your needs. The tips are replaceable, and are sold separately for about 50 cents each (the prices vary widely, so check around). The marker itself is on the expensive side. Tuff Guy markers cost about \$9-\$13 each, depending on shipping charges. They are widely available on the web. Dykem makes several different kinds of markers, so be sure to get **Tuff Guy** since not all Dykem markers resist cutting oils.



Aluminum and Brass Styli



Sharpie Paint Marker



Dykem Tuff Guy Markers

#### Did You Know?

The SNGMS Lapidary Shop has six cabochon machines. Three of them are set up for cutting soft stones like turquoise and chrysocolla, and three are set up for cutting hard stones like agate. As you face the row of machines in the shop, the ones on the right (sitting on the lower tables) are for soft stones, and the ones on the left (sitting on the taller tables) are for hard stones.





2023 Cabochon Contests

MONTH	CABOCHON THEME	CONTEST WINNER
January	Rainbow Trout	Lloyd Chayette & Bruce Martin tied
February	Lion Fish	Lloyd Chayette 1 <sup>st</sup> George Stewart 2 <sup>nd</sup>
March	Clown Fish	Lloyd Chayette 1 <sup>st</sup> Bruce Martin 2 <sup>nd</sup>
April	Jellyfish	Ron Mazz 1 <sup>st</sup> Bruce Martin 2 <sup>nd</sup>
May	Lobster	Lloyd Chayette 1 <sup>st</sup> Joel Coombs 2 <sup>nd</sup>
June	Starfish	Lloyd Chayette 1 <sup>st</sup> , Ron Mazz 2 <sup>nd</sup>
July	Octopus	Bruce Martin 1 <sup>st</sup> , George Stewart 2 <sup>ns</sup>
August	Seahorse	
September	Coral	
October	Shark	
November	Whales	
December	No Contest	

The SNGMS hosts a cabochon contest at each of our monthly meetings. Bring a cab you have cut that matches that month's theme. Meeting attendees vote on their favorite cab, and the first and second places winners are announced at the meeting. The first place award is 2 hours of free shop time, and the second place winner gets 1 hour of free shop time. The August 2023 cabochon theme is "Seahorse." **Good Luck!**



Seahorses  
www.aquariumofpacific.org

TO BE ELIGIBLE FOR THE CABOCHON CONTEST YOU MUST HAVE AT LEAST ONE HOUR OF PAID SHOP TIME FOR THE PRIOR MONTH.

July 2023 Cabochon Contest Winners



July 2023 Cabochon Contest Winners  
Left to right: Bruce Martin, 1<sup>st</sup> place and George Stewart, 2<sup>nd</sup> place



July 2023 SNGMS Cabochon Contest Entries



**BIRTHDAYS**

If you have a JULY birthday, Please bring something for the refreshment table at JULY’s meeting.

**JULY BIRTHDAYS**



Jeffrey Abbas, James Bisanz, Joe Boisvenu, Bob Branson, Julie Cooley, Susan Cunningham, Taylor Curley, Caroline Evans, Kristie Ford, Roberta Fronteras, Erica Hare, Wayne Herr, Rosemary Hollowell, Alison Huber, Adam Keller, Thomas Lawlor, Cassandra Long, Katherine Matthews, Caroline McCaw, Hope McCaw, Brett McKenzie, Alejandro Muniz, Nelson Muniz, Richard Nell, Bernadette Paladino, Philip Sanders, Randall Spencer, Caity Stackhouse, Heather Stinnett, Laurie Stone, Naoko Taniuchi, Taylor Tran, Kim Wenzl, Sean White, Orville Wiemers

**WELCOME NEW MEMBERS!**

Welcome to members who recently/rejoined SNGMS. We look forward to getting to know you better.

Andres Corral, Michelle Dembinski, Tessa Evans, Manny Ford, Adam Francis, Courtney Francis, Able Francis, Song Hageman, Amy Michelle Hall, Samuel Hays, Mark Leidner, Mindy Leidner, Kathryn McCorkell, Preston Morgan, Mason Morgan, Catherine Morgan, Penny Nicoll, Henry Purches, Angela M. Purches, Merbebe Solomon, Stephanie Wood

**NEW MEMBER ORIENTATION**

Welcome new members to the Southern Nevada Gem and Mineral Society! Your passion for gemstones and minerals is a perfect fit for our community of enthusiasts. To acquaint you with our workshop and equipment, we offer orientation and training sessions at the SNGMS Lapidary Shop. To reserve your spot, please email Richard Nelson (richard\_nelso89@hotmail.com) . There is a \$10 fee for the orientation to help cover the cost of materials which will be provided for you (please bring your own paper towels and any rocks you want to cut – the shop will provide your rock if you prefer). The session will include demonstrations on the use of rock saws, flat laps, a geode saw, and other equipment. Best practices for working safely and effectively will be reviewed. Orientations are offered as listed below.

Orientation and Training Date	Time	Cost	Location
Sunday, July 16, 2023	10 am - noon	\$10	SNGMS Lapidary Shop 3111 S. Valley View Blvd Building E Suite 125 Las Vegas NV 89102
Sunday, August 6, 2023	10 am - noon	\$10	
Sunday, August 20, 2023	10 am - noon	\$10	
Sunday, September 3, 2023	10 am - noon	\$10	
Sunday, September 17, 2023	10 am - noon	\$10	
Sunday, October 1, 2023	10 am - noon	\$10	
Sunday, October 15, 2023	10 am - noon	\$10	
Sunday, November 12, 2023	10 am - noon	\$10	
Sunday, December 3, 2023	10 am - noon	\$10	



### SNGMS Rock Stars Kids Club 2023 Field Trips and Meetings<sup>1</sup>

Field Trip/Meeting	Date	Location
Field Trip Merit Badge. Please wear your blue vests and bring a water bottle (don't bring field bag). Natural History Museum Admission Fees: 3-11 yrs. Old - \$6.00 Students - \$10.00 Adults - \$12.00 Seniors/Military - \$10.00	Saturday, July 22 at 9:00 am	Las Vegas Natural History Museum 900 Las Vegas Blvd North, Las Vegas, NV 89101
Rock Stars Kid's Club Meeting, Gemstone Lore & Legend Merit Badge 13.5	August 13, 2023 3- 5 pm	SNGMS Lapidary Shop, 3111 South Valley View Blvd, Building E Suite 125, Las Vegas, NV 89102
Geocaching for Gems, Gemstone Lore & Legend Merit Badge 13.6	September 9, 2023 8 am – 12 pm	Wetlands Park, 7050 Wetlands Park Lane, Las Vegas, NV 89122
<b>No Meeting</b>	September 10, 2023	
Rock Stars Kid's Club Meeting, Gemstone Lore & Legend Merit Badge 13.2	October 8, 2023	SNGMS Lapidary Shop, 3111 South Valley View Blvd, Building E Suite 125, Las Vegas, NV 89102
Rock Stars Kid's Club Meeting, Gemstone Lore & Legend Merit Badge 13.3	November 12, 2023	SNGMS Lapidary Shop, 3111 South Valley View Blvd, Building E Suite 125, Las Vegas, NV 89102
<b>No Meeting – Date for Holiday Party TBD</b>	December 10, 2023	

1) Field trip destinations, dates, and times are subject to change.



Kids' Club Art Project, June 2023

#### Calling All Junior Journalists, Writers, Poets, Photographers, And Artists!

Do you want to see your work in print? The new Juniors Newsletter needs your rockhounding articles, photos, artwork, poetry, and other contributions. It could be an article about one of your favorite rocks, minerals, or fossils. The only requirements are that you must be under 18 years of age and your contribution must be original and related to rockhounding, geology, paleontology, or the lapidary arts. To submit your work, have your parent complete the SUBMISSION FORM (<https://rb.gy/ncr11>) and email it with your work to [youth@amfed.org](mailto:youth@amfed.org). Please submit your written work as a Microsoft word file, or as a pdf file. Artwork should be submitted as a jpg or pdf file.

The deadline for the 1st edition is Friday July 21, 2023. The newsletter will be unveiled at the American Federation of Mineralogical Societies convention in Billings, Montana, August 3-6, 2023.

#### Speakers For 2023 General Meetings

Date	Speaker	Topic
7-Aug-23	Michelle S. French	Flood Control – Clark County Regional Flood Control District
2-Oct-23	Open	
11-Sep-23	Ary Udry	Martian Meteorites
6-Nov-23	SNGMS Elections – no speaker	
Dec-23	No general meeting	



**SNGMS 2023 VOLUNTEER STAFF**

Contact any Director to volunteer for a position, or a Committee Chair to offer to help on their committee.

**SNGMS 2023 BOARD OF DIRECTORS**

OFFICE	DIRECTOR	EMAIL	PHONE
President	Andrea Packo	sngmspresident@gmail.com	702-279-7679
Vice-President	Orville Wiemers	sngmsvicepresident@gmail.com	702-366-5854
Secretary	Lorrilee Stackhouse	sngmssecretary@gmail.com	702-817-5602
Treasurer	Peggy Sue Moore	sngmstreasurer@gmail.com	702-434-6072
Parliamentarian	Jack Toogood	vegasmw@hotmail.com	702-510-4192
One Year Board	Ron Mazz	zman8229@gmail.com	586-914-4130
Two Year Board	Del Walkenshaw	desertartsupply@aol.com	702-451-8040
Three Year Board	Bob Belcher	f35fighterman@yahoo.com	702-210-9612
Past President	Lloyd Chayette	chayette.lloyd@yahoo.com	714-474-6384

**SNGMS 2023 COMMITTEE CHAIRS**

COMMITTEE	CHAIR	EMAIL	PHONE
Communication	Del Walkenshaw	sngmsnews@gmail.com	702-451-8040
Rocky Mountain Federation of Mineralogical Societies	Sheri Johnson		
Alt Federation	Mary Beth Paladino		702-255-1647
Facebook Master	Dale Bright	dalebright1@hotmail.com	
Field Trip	Joel Coombs & Bill Kogan	sngmsnews@gmail.com	
Shop Foreman	Andrea Kincannon	andrea.kincannon@gmail.com	
General Meeting Greeter	Dave Ford		
Historian	Dale Bright	dalebright1@hotmail.com	
Hospitality	Open		
Inventory	Ron Mazz	zman8229@gmail.com	586-914-4130
Librarian	Mario Luchetta		
Membership	Claudia Crouse	ccrouse295@gmail.com	
Newsletter	Mary Savage	lasvegassilversmithing@protonmail.com	
New Member Liaison	Joann Sprott		
Program (Speakers)	open		
Publicity	Andrea Packo	sngmspresident@gmail.com	702-279-7679
Raffle/Lottery	Ron Mazz	zman8229@gmail.com	586-914-4130
Refreshments	Fran & Allen Stratton		
Rock Stars	Wendy Dresser	wndresser@gmail.com	702-556-2748
Scholarship	Debbie Bucknam		
Spring Jamboree Show	Sara Schiller	sngmsjam@gmail.com	
Sunshine	Beth Jones	punkyjones@hotmail.com	702-505-5819
Viva Las Vegas Show	Dale Bright	dalebright1@hotmail.com	
Webmaster	Lorrilee Stackhouse	lorrilee@cox.net	



SNGMS CORPORATE SPONSORS



- JEWELRY SUPPLIES & EQUIPMENT
- JEWELRY FINDINGS & METALS
- LAPIDARY EQUIPMENT & SUPPLIES
- JEWELRY WORKSHOPS

7022 West Charleston Blvd.  
Las Vegas, NV 89117

702-745-1127

thejewelerssource@gmail.com

IG - thejewelerssource



**Bead Haven**  
Las Vegas

7575 W. Washington Ave., #131  
Las Vegas, NV 89128  
(702) 233-2450

Web BeadHavenLasVegas.com  
Email Beadhavenlasvegas@gmail.com



**DESERT  
ART  
SUPPLIES**

*"Southern Nevada's Complete Art Store"*  
*Fine Arts Supplies - Custom Framing*

2003 E. Charleston Las Vegas, NV 89104 (702) 382-5404 • Fax 384-3337	2750 N. Green Valley Pkwy Henderson, NV 89014 (702) 451-8040 • Fax 451-8339
--	---

Toll Free 1-888-725-4666 • www.desertartsupplies.com  
desertartsupply@aol.com



**World Class Facility Services**  
6230 Greyhound Ave  
Suite H  
Las Vegas, NV 89122  
702-875-4642

HI-TECH DIAMOND DISCOUNT

Hi-Tech Diamond is an online seller of cabbing supplies and equipment. They offer a 10% discount to SNGMS members, friends, and families on everything EXCEPT machines, gift cards, and repairs. The discount is applied when you enter the discount code **SNGMS** at checkout. The code must be manually entered at checkout, it is NOT an automatic discount! The Hi-Tech website is [www.hitechdiamond.com](http://www.hitechdiamond.com).



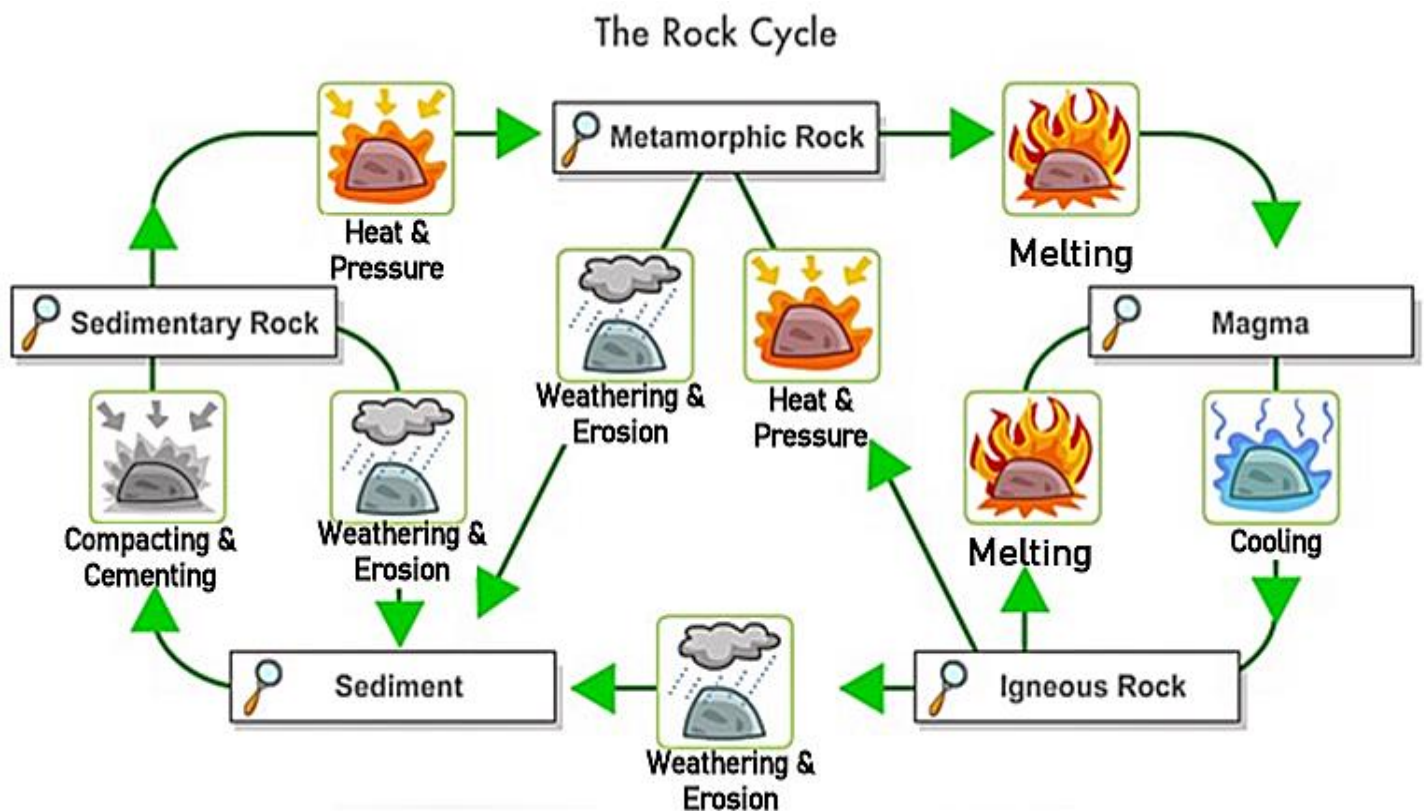
## Mineral Musings The Rock Cycle

Have you ever heard of the rock cycle? It's the journey that rocks take from the Earth's surface down to its center and back up again. It's a slow process, and it's fascinating.

Rocks form deep inside the Earth and then they move around and sometimes change before making their way up to the surface. Eventually, they'll go back down below the ground again. The rock cycle involves both rocks and minerals. Minerals are solids with a specific crystal shape, chemical composition, and atomic structure. Rocks usually contain a mix of two or more minerals that have been combined through geological processes.

There are three types of rocks: igneous, sedimentary, and metamorphic. Igneous rocks form when hot, molten rock solidifies. Sedimentary rocks are made up of layers of sand, mud, and pebbles that have been compressed over time. Metamorphic rocks form when existing rocks are exposed to high temperatures and pressures. In the rock cycle, rocks are constantly being transformed between these three types. Any type of rock can be converted into any other type, or into another rock of the same type. It's a never-ending process!

The rock cycle is shown in this diagram ([www.gsi.ie/en-ie/education/rocks-minerals-and-gems/Pages/The-rock-cycle.aspx](http://www.gsi.ie/en-ie/education/rocks-minerals-and-gems/Pages/The-rock-cycle.aspx)):



The rock cycle is a natural process that helps maintain the Earth's surface. Mountains are formed through this process, and it's pretty amazing how rocks can change and transform over time. So, next time you see a rock, think about its journey through the rock cycle!



## July 2023 Class Schedule

**(see page 10 for New Member Orientation Schedule)**

Class	Instructor	Date and Time	Cost	Location	Contact
Faceting	Tom Kidwell	Saturdays 9 am - 12 pm	\$15.00 for the class plus \$5.00 for instructor fuel fund	SNGMS Lapidary Shop, 3111 S. Valley View Blvd, Bldg E Suite 125, Las Vegas, NV 89102	moorepeggysue@gmail.com for reservations
Silver Smithing	Bella Romero & Mary Savage	Fridays 12:30-3:30 pm	\$35	Desert Art Supplies 2750 N Green Valley Pky Suite D Henderson NV 89014	Text 702-425-0149 no later than noon on Thursday before class for reservation
Cabochon Class	Beth Jones	Sunday, July 23, 2023 3-6 pm	\$10	SNGMS Lapidary Shop, 3111 S. Valley View Blvd, Bldg E Suite 125, Las Vegas, NV 89102	Beth Jones 702-505-5819 or punkyjones@hotmail.com for reservations
Wire Wrapping	Peggy Sue Moor	Monday, July 24, 2023 at 5pm	\$10 plus pattern fee of \$1	SNGMS Lapidary Shop, 3111 S. Valley View Blvd, Bldg E Suite 125, Las Vegas, NV 89102	moorepeggysue@gmail.com for reservations

*All class fees include a modest donation to the SNGMS. SNGMS Instructors volunteer their time and expertise to help extend the knowledge of our members.*

### Puzzle Answers (puzzle on page 6)

**Aggregate**  
**Alluvium**  
**Conglomerate**  
**Crust**  
**Crystal**  
**Earthquake**  
**Erosion**  
**Fault**  
**Fossil**  
**Gemstone**

**Geology**  
**Igneous**  
**Inner Core**  
**Lithosphere**  
**Loupe**  
**Magma**  
**Mantle**  
**Metamorphic**  
**Mineral**  
**Mining**

**Outer Core**  
**Petrology**  
**Plate**  
**Rock**  
**Rock Hammer**  
**Sedimentary**  
**Seismology**  
**Tectonics**  
**Volcano**  
**Vulcanology**



Southern Nevada Gem & Mineral Society  
 3111 S. Valley View Blvd, E-125  
 Las Vegas, NV 89102

Return Service Requested



The Southern Nevada Gem and Mineral Society is a non-profit corporation, organized to educate ourselves and the community in the science and arts related to rocks, minerals, gems, fossils, and nature in general. Fostering an understanding and appreciation of the physical world, we can use it and protect it for future generations.

<p>SNGMS Mascot: Rock Wren</p> <p>SNGMS Gemstone: Turquoise</p> <p>SNGMS Motto: Rocks-R-Us</p> <p>SNGMS Web Site: <a href="http://www.snvgs.org">www.snvgs.org</a></p> <p>Membership is open to anyone with an interest in: Rocks, Gems, Geology, Fossils, Lapidary Arts or Silversmithing</p> <p>Annual Dues: Individual - \$25; Family - \$35                  Meetings start 6 pm on the first Monday of the month at:</p> <p>Eagles Lodge #1213                  1601 E Washington                  Las Vegas, NV 89101                  (702) 642-1213</p> <p>No meeting is held in December. Instead we have our annual awards dinner.</p>	POLISHED SLAB ADVERTISING RATES		
	AD SIZE	SIX MONTHS RATE	12 MONTHS RATE
	<i>Business Card</i>	\$18	\$30
	<i>Quarter Page</i>	\$48	\$90
	<i>Half Page</i>	\$90	\$170
	<i>Full Page</i>	\$150	\$275

