

# The Conglomerate

The Monthly Newsletter of the Reno Gem and Mineral Society, Inc.

May, 2023



### General Meeting

Wed. May. 3, 7pm

Baldini's Second Floor

### Board Meeting

Wed. May. 10, 6 pm

Rock Building, 480 S. Rock,

Sparks

### RGMS Mission Statement

The mission of the Reno Gem and Mineral Society is to create, develop, and encourage interest in the Earth Sciences and to locate and identify various material through field trips. As a 501C(3) corporation, RGMS qualifies for donation write offs of cash and materials. Donation receipts are available at the society's headquarters.

A General Meeting, open to the public, is held usually the first Wednesday of each month at 7 PM at Baldini's Casino, Second Floor, 865 S. Rock Blvd, Sparks, NV.

Board meetings are open to all members and are held the second Wednesday of each month at 6 PM at the Rock Building, 480 S. Rock Blvd., Sparks, NV.

Annual membership dues: student: \$25, Individual: \$35, and Family: \$50.

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## President's Message

Dean Sizemore

The weather is starting to warm as of this writing, but I'm sure Nevada will bring us a few more surprises before we truly get Spring and Summer, and we'll soon be wishing for it to cool down. Hopefully, everyone read the Conglomerate in February. Hillary Loupee, our field trip director, has an ambitious schedule of trips this year--very exciting, plenty of choices, day only, weekend, weeklong, close and far-- all look amazing. Denise and I hope to see you at many of them.

We have had three new-member-and-guest welcome open houses. I have been very pleased with the turnout. The future is looking bright for this event every month on the second Saturday, from 10 –1. I want to make sure that all members know they are welcome to come by during that time and see the changes that have occurred in the building, look at the building expansion plans, our expanding museum and library and say hi. Also, at our general meeting please stop by up front and say hello to Steve (our VP), me, and the other board members. We have such a great membership, and we'd love to meet you all.

Please take advantage of our Sunshine program, Joanne is our Sunshine Director and is there to organize help for you during any challenges you (or any of us) may go through. She can arrange help for you with food and so on. If you or your family are facing any challenges, please let us know; we may be able to help.

Keep up with our calendar of events on the Website and in the Conglomerate, and be open to trying everything; who knows what you may fall in love with.

Denise and I look forward to seeing you in May on the 3rd.

**Jackpot of Gems 2023**  
*Daniel Ellis, Show Chair*

It's May, and the weather is looking good for rock- ing. Only 3 months are left until our show, Sept 17 and 18. We're still needing help to run the thing. Sign-up sheets will be available at the general meeting this month. Take a look and please find something you can volunteer to help with.

The Jackpot of Gems working meeting is on the 15<sup>th</sup>. Please come and learn how this show is done. We need to pass the knowledge on so the show can go on past this year--our 57<sup>th</sup> year.

**Sunshine Report**  
*Joanne Sworthout*

If you have a situation for which you could use some support from your RGMS friends, or if you know of someone who could, please get in touch with **Joanne** at [sunshine@renogms.org](mailto:sunshine@renogms.org).

**Officers' Reports**

General Meeting and Board minutes are posted on the bulletin board at the Rock Building monthly. Treasurer's reports are available to any member on request. **Steve Norman**, Secretary; **Janet Longueria**, Treasurer



Lake Superior agate—Creative Commons

**Education Outreach**  
*Steve Norman*

The Reno Gem and Mineral Society Education Outreach program made ten classroom presentations to 157 students—Smithridge ES second grade with three classroom presentations; Urban Roots Home School enrichment, one classroom; Mt. Rose ES two fourth grade classes; and Lois Allen ES, four classrooms of third graders.

Students are encouraged to do well in school and think about exciting science careers. Every student is given a mineral gift, and information is provided to their parents about the Reno Gem and Mineral Society. We support the Nevada Division of Mineral's program on keeping out of mines found in Nevada.

I want to thank **Debbie Bush** for her help and **Alan and Bobbi Metzger** for their contributions of nice polished rocks for students and teachers.

**Renée Samuels** helped out with the monthly Future Rockhounds program with classes held in the Rock Building. She made a salt dough pendant that could be painted. We discussed the parts of the Earth from the crust, tectonic plates, mantle, and inner and outer core.

**May Program Notes**  
*Steven Smith, Vice President*

We will be holding our May 3rd general meeting at Baldini's Casino at 7pm. RGMS long-time member **Webb Varnum** will present information on the Long Valley Caldera, also known as California's Yellowstone. This is one of Four Super- volcanos in the United States and it is in our own back yard.

Webb will tell us all about it. We also will have our wonderful door prizes, as usual. Mother's Day is the theme. Doors open at 6pm, so come early and meet up with friends. See ya soon.

**THE CASE OF THE MISSED ID**  
**Stephanie Leonard, RGMS Member**

If you were at the April 5<sup>th</sup> RGMS General Meeting and were so waiting for your raffle ticket to be picked from the rotating bin, you might have heard a loud vocal exclamation when MY number was called. Lucky me, I was handed the Marine Worm fossil prize, specifically, **Denise** called it the “*Didontogaster* Marine Worm”.

It was a 2-piece, halved, dark-brown 3” specimen which depicted a long-stranded worm that was cut straight down the center with spiny appendages out to the sides. In the dim light of the meeting room, it appeared to be somewhat akin to a centipede of today, so puns were made about me “having worms”!

Yes, some good laughs and even silver-smith **Jill Atkins** made the comment to encase it in a silver bezel or wrap in wire to wear it around my neck to (show my worm). That would be a hefty weight to have to bear.

Once I was home and on the Internet to research this special *Didontogaster*, the magnifying glass revealed a very different scene in that rock. Scrolling through the images of fossilized worms did not really show a match, but once I closely surveyed the “appendages,” I was certain my fossil couldn’t be that creature.

But my university botany class of 1971 came from my memory bank and sent me to search the fern family, the one with fronds. And indeed, fossilized fern images had a close, if not exact, image of my worm! The case of the MISIDENTIFICATION it was.

I am a proud owner of a *Pecopteris miltoni/saronius* from the Carboniferous Period, circa 301 million years ago. Specimens are found all over the world, but the best ones are from the states of Pennsylvania and West Virginia. These ferns grew from seeds to become tree-like plants known to achieve 50’ in height with a base 5’ in diameter. Now I have a special fallen frond.

So, many thanks to the person/member whose donation to the fossil raffle brought this leaflet to my collection of honored ancient history. It will be highlighted with the Trilobites and sea fossils on a special shelf, protected.

But now, I am on a fossil hunt to find a real ancient worm.

Let us go fossil hounding!!



[https://c1.staticflickr.com/5/4020/4388936799\\_76270d6394\\_b.jpg](https://c1.staticflickr.com/5/4020/4388936799_76270d6394_b.jpg)

## ***Out Of This World Opals***

***Matthew Lybanon, Editor***

***MAGS Rockhound News, Volume 69 ♦ Number 04 ♦ April 2023, p. 9, 11.***

An ancient, dried-up lake bed on Mars may be teeming with opals, new data from NASA's MarsCuriosity rover suggests. A study published recently in the *Journal of Geophysical Research: Planets* concludes that light-toned opaline silica features found throughout rocks along Curiosity rover's traverse are the exposed roots of a vast fluid event in recent Martian geologic history. Using data collected from several instruments on Curiosity rover, the authors found evidence that the event was short lived and was followed by consistently cold and dry Mars climate conditions. This water-rich subsurface network was shielded from modern harsh surface conditions, allowing for a potentially habitable environment on Mars in a more recent era.

Beyond giving the cracked surface of Mars' Gale Crater a semi-precious glint, these opals could be evidence that water and rock have been interacting beneath the Martian surface much more recently than was previously thought, improving the prospects that microbial life once lived there.

Scientists often focus on water when searching for signs of extraterrestrial life because it's critical for life as we know it. But because water no longer flows on Mars, scientists must hunt for geological signs of the water that once existed there. Researchers spotted one such sign in the past few years around fractures in the Martian surface. Surrounding some of these fractures are "halos" of lighter-colored rock, which researchers found are likely rich in opal. For opal to form, silica-rich rocks must interact with water.

Now, researchers have dug into the Curiosity rover's vast archive of images and found that these opal-rich halos aren't isolated. Rather, they appear to exist all over Gale Crater, a 154 kilometers wide ancient lake bed that Curiosity has explored since its mission began in 2012.

Lead study author Travis Gabriel, a research physicist at the U.S. Geological Survey, and his colleagues were studying old images from Curiosity's traverse around Gale Crater and noticed, in an image taken much earlier in the mission, a light halo of rock surrounding a fracture. That halo looked almost exactly like halos found more recently. Data from Curiosity's ChemCam instrument, which analyzes rocks using images and spectrometry, showed that those recently studied light rocks likely contained silica-rich opals.

To confirm the chemistry of those rocks, Gabriel's team ran an additional analysis on another set of fracture halos in a different location within the crater called the Lubango drill site. Here, the team used Curiosity's Dynamic Albedo of Neutrons (DAN) instrument, which measures neutrons that are knocked off the Martian surface by cosmic rays that constantly bombard Mars. These bouncing neutrons slow down in the presence of hydrogen, one of the components of water. When DAN detects a higher proportion of slow-moving neutrons, that means there's more water-bearing rocks (like opal) in a given area.

At the Lubango site, the DAN results confirmed that the lighter-colored halos on the ground do indeed contain opal, just like other sites around Gale Crater. This data, along with the pictures of fracture halos from much earlier in the mission, tell researchers that water must have existed all over Gale Crater in more recent history. These results add to a mountain of evidence that water was once widespread on Mars.

## Field Trip Director Update

Hilary Loupee

I hope everyone has enjoyed our first couple of field trips of the year! The weather has gotten a bit better, and although conditions continue to improve, please watch out for weather-related changes. I am trying to be as helpful as I can with the hundreds of messages I have been receiving about field trips, but please, consider that this is in no way my full-time job. We cannot possibly accommodate all the special requests that I have been getting. I will not send you a pin to meet up. We have strict rules about not sharing pins, including sending them for the field trips. If you want to go on the trip, you need to meet up at the meet up location. This is to ensure that everyone is an RGMS member, and they have signed the waiver forms. Well-behaved dogs are usually allowed, but Luning is probably not a good idea because of the terrain. I will give out my phone number for use on the day of the trip in case you get lost. Please do not use it to ask something you could have emailed. I will likely be at work. Also, this hobby is about exploring in the desert. I will do my best to provide road conditions and say what vehicle I think will comfortably get you there, but I am not responsible for getting you there. If you only have a Mini-Cooper, then you can't go on very many field trips with it. My best advice is to make some friends. Start a Facebook discussion about carpooling for the trips. Someone with a truck would probably be happy to have you ride with them for gas money.



The three May field trips are for Luning, Carson City, and Texas Springs. Luning is about 2.5 hours from Reno, and it's another half-hour to the dig site. We're still deciding on the camping site, but it will likely be on the playa. You can also camp more comfortably at Berlin Ichthyosaur State Park if you



Luning sea fossils: gastropods, bivalves, ammonites

Luning Ammonite

are tent camping. Or you can get a hotel in Hawthorne or stay at the RV camp in Mina. We will meet each morning before heading out. We will be finding ammonites and other sea fossils from the great Jurassic-Triassic extinction event 200 million years ago. This area was underwater in that era and an estimated 30% of marine life perished. You will need a high clearance 4WD vehicle for this trip. You will be surface picking fossils, but you do need to be in good enough shape to climb a 45-degree hill that is prone to the rocks sliding. There is no getting around either of those things. There is a slate wall at the beginning of the canyon with ammonite impressions that anyone could find by standing and breaking the slate if you cannot climb.

Carson City is another day trip on May 20th led by a local geologist. This is an educational geology trip and not a rock collecting trip, although there will be some interesting specimen pieces of faulting and metamorphism if you are interested in that. The area is part of the boundary zone between the Basin and Range province and the Sierra Nevada batholith. You will see evidence of brittle faulting and ductile deformation. Come out for the day and learn about why our state looks the way it does! A winter rockslide did block part of this canyon, but we are hopeful that it will be clear by the time of

A winter rockslide did block part of this canyon, but we are hopeful that it will be clear by the time of our field trip!

The following excerpt is from **Jim Welker**, former field trip director, and Texas Springs expert. He will be leading our trip to Texas Springs, between Wells and Jackpot, NV. This is pretty far, but it is an amazing trip. You are welcome to come out with us for the weekend and leave if you cannot stay the entire time. I might have to do that myself, but hopefully not! This trip is well worth taking a few vacation days!

### Texas Springs Field Trip May 27 – June 3



Texas Springs limbcast

Time for Texas Springs and I'm still looking for that 20+ pound round pink limb cast. I know it's there; I just need to dig a little more. However, if I do not find that one, there will be lots of smaller pinks and a lot of other colors. This site has great limb casts and with a little bit of work everyone should find a treasure.

This is one of the more remote locations, south-east of Jackpot, northeast of Wells. I plan to take 9 hours from Reno to the camping site, less if you aren't towing a trailer. There is no cell phone coverage, nor any telephone poles. The collecting areas are covered in Juniper trees and sage at an elevation of 5,900 feet. The camping area is a level, open area 7 ½ miles from the collecting area. There is a nice tent camping area closer to the sites; however, due to road conditions and various sized rigs, we will camp in the level area.

Top off your fuel in Wells, last place for anything. A two-wheel drive vehicle can make the camp site. To get to the collecting sites requires a high clearance vehicle, and one with 4WD is nice. Hilary made it just fine in a Subaru last year.

Due to dates and location, be prepared for hot weather, cold weather, wind, rain, dust storms or snow. I have seen all within a 10-day period: this is Nevada. Bring buckets for material; you will need shovels, picks, and rock hammers. To find great material you will have to dig. Of course, as with all trips, bring water, food and a first aid kit. Without cell coverage you are a long way from anything. Just ask Alberta Carter about the hill named after her.

The first full collecting day will be Saturday May 27<sup>th</sup>. We will leave camp at 8am each morning. On Sunday May 28<sup>th</sup> we will have a great potluck at 5:30 pm (time subject to change). Maps to the campsite will be at the May general meeting.

Photos by Hilary Loupee

**Field trip Photos**  
**Wonderstone Mountain and Lovelock**  
*Steven Smith, RGMS Photobrapher*

Wonerstone Mtn



Lovelock

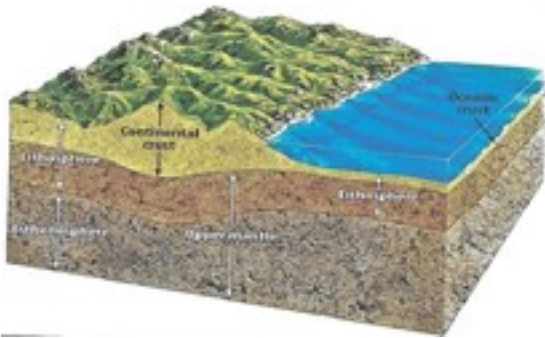


## Kids' Corner

### Nevada and California, the BIG Picture

**Steve Norman & Steve Rose (Retired Geologist)**

To understand the significant geologic features in the Western North American Continent today, one must look far back to when continents, the seven that we see today, were separated from a single land mass, or Supercontinent, called Pangea. This separation started about 200 million years ago and involved processes that continue today, known as continental drift and plate tectonics. Think of masses of continental rocks 'floating' on a plastic, molten layer of the earth's upper mantle and moving at perhaps two cm. per year (about 12 miles per million years). We can view this movement caused by volcanic activity along mid-ocean ridges.



The lithosphere is the tan layer showing the earth's crust in this graphic. The light brown is the plate, and the dark brown is the upper mantle.

The Western North American Plate, or North America, is moving slowly west because of pressure from the Mid-Atlantic Ridge. It collides with and over thrusting rocks moving east due to pressure from volcanic activity on the Mid-Pacific Ridge. This pressure, at something less than a right angle to California's Pacific coast, has resulted in the significant landforms we see today. The Sierra Nevada

Mountains, the Basin, and Range mountains and valleys, the San Andreas fault, and areas of volcanism and geothermal activity seen today are good examples. This plate activity likely triggered Mt. St. Helen's eruption in 1980.

Older rocks exist in the central areas of a continent. For example, some sedimentary rocks in Minnesota, near the center of the North American Plate, are 1.6 to 1.7 billion years old. The West Coast land mass increases due to the 'drag' effect of moving the Pacific plate subducting under the North American plate. The lighter rocks move upward, as shown by the Sierra Nevada Mt. granite pushed up to make a large mountain. The plate rocks push the surface to melt and rise. The process in this area, much of which has taken place in the last 30 million years, is called accretion, and the geology of California, the rock types and structures, are great examples of this.

Some scientists theorize that the Supercontinent (Pangea) may repeat itself in a few hundred million years. The separate continents (now) will eventually form a new supercontinent (Pangea). In the meantime, enjoy the geothermal hot springs in the mountains and valleys, but beware of the occasional volcanic explosions or earthquakes. The earth beneath your feet is constantly moving, thankfully, very slowly.

Ref: Rough-Hewn-Earth, Keith H. Meldahl 2011, and Wikipedia Research



**(RGMS) Board Meeting Minutes – March 8, 2023**

**Summarized for the Conglomerate**  
**Steve Norman, Secretary**

New Business: **Jon Johnson** and his father reviewed the upcoming pay dig at the exact cost as last year to Peterson Mountain. Jon has a few adjustments to limit the number of sign-ups to about 35-40. Early June is the time frame. There will be mid-range materials available for anyone without a significant find. John explained that with limited parking available, it would be necessary to convoy people up to the collecting area. Safety is a concern on an active mining site, so hard hats, safety glasses, boots, and gloves are required. A backhoe will scrape or do a fresh cut for the dig. Jon's father discussed the history of the Peterson claim with **Foster Hallman**, a former Society member. He said they found 300 pounds of crystal on the first day they discovered the mining area.

Vice President: **Steve Smith** explained that last year the Booster Club from Wooster High School received two memberships and a free lapidary class as part of their fundraising drive. Motion carried to renew this gift.

Treasurer's Report: **Janet Longueira** reviewed the accounts for January 2023, and Julie Hilsabeck motioned to approve the January budget as stated.

Past President: **Tom Nichols**, reporting as acting Tech Chair reviewed the website's front page to include the next Jackpot of Gems Show date, the Craft Fair dates, 32 Auction dates, and Future Rockhound classes. Tom suggests that putting the topic on the General meeting could inform people of issues to increase attendance. The activities need to be coordinated with Facebook to improve Social Media contacts.

Jackpot of Gems: **Terry Bush** informed the Board that 44 vendors are interested in the Show depending on their schedule to attend. Plan to have 30-35 vendors at the Show.

Social: **Debbie Bush** reports the annual picnic at the Lazy Five Park for Saturday, June 10, 2023. Sign-up starts in April for potluck dishes to bring. The bingo games will need prizes.

School: Director **Julie Hilsabeck** reports that Las Vegas Society has a field trip scheduled for RGMS members and to contact her for more information. This month's three lapidary classes range from beginner, intermediate, and Truckee Meadows Community College classes. Julie has plans for an upcoming stabilizing class. There are no tumbling or sawing classes scheduled for March. Monday and Saturday are Open House days with time for lapidary and other projects. Check the calendar for dates and times. The beading class on Saturday conflicts with the etching class, and Julie will work out the dates.

Membership: Director **Lynda Traves** has updated the roster with 259 memberships accounting for 496 members. Members have until March to submit payment or their membership ends. She plans an E blast and article in Conglomerate to inform last year's members.

New Business: **Eric Fendelander** reports the Rock Building maintenance. There was a need for some gas line replacement and testing. They replaced air ducts and added earthquake straps. The approximate cost is \$10,000, but now the tenants will have the heat to conduct their business properly. Electrical problems need attention in other parts of the building.

Vice President: **Steve Smith** noted that Directors need to communicate with each other to be effective in running a busy organization like RGMS.

Shop: Director **Patrick Davis** reported Used Equipment donations at \$1.095 compared to last year's \$425. The Open House during the sale added \$62 to the 32 Auction that goes to the building fund. Fifteen new members surveyed the shop and building, and two people signed up for membership. Volunteers are needed for the Open House if they know the lapidary equipment. New shop signs are put up to advocate safety for people to wear masks, goggles, or eye protection while working on the machines. More testing for silicates has been done, with results showing that even 4 to 5 hours on a lapidary machine showed no health risks. The target date for opening the new space is November 1, 2023. The equipment moving will be in December, and the opening will be in January 2024, depending on the construction situation. There will be no traffic from anyone in the construction area due to safety requirements unless invited. Plans are to repaint the old meeting room and shop and add a new floor.

Field Trip/Building: **Hilary Loupee** was absent due to enrolling in a Geology class and had **Todd Iverson** fill in. Todd had a receipt for UV lights purchase. Todd reported that Hilary is pursuing the AED (automated external defibrillator) from hospital contacts. Field Trip excursions are to be published in the Conglomerate.

Vice President: **Steve Smith** has a list of volunteers for the 32 Auction and discussed the need for more involvement and the need to send any updates to Hilary.

Social Media: Director **Sven Sander** reports Facebook had more contacts than last month. There were 2,000 views on the Facebook Group page. There is a 65% female interest in Facebook readership.

Vice President: **Steve Smith** reported that the company Koboda has money available to nonprofits that may be worth considering. Spencer Ennis has contact information.

Conglomerate and AFMS/CFMS: **Sue Webb** needs articles due by the 15<sup>th</sup> of the month. She reminded the Board to send reports to the [Conglomerate@renogms.org](mailto:Conglomerate@renogms.org) address.

Sunshine: **Joanne Sworhout** sadly reports the passing of long-time member and friend Drew Van Hoven. Send Joanne any news so that she can send out a hopeful message.

New Business: **Steve Smith** reviewed the need for a liability waiver implemented for the 32 Auction. There is a need for volunteers at the Open House on the second Saturday of the month to show new members around the building. An easy and fun way to get involved!

Vice President: **Steve Smith** has renewed the contract with Baldini's Sports Casino for monthly meetings. The cost is \$2,344 for the year, allowing people to attend meetings and have a place to park. A permanent sign for the Rock Building was approved by the City of Sparks and installed soon. Steve Smith is acquiring a visible address for the Rock Building near the front door for improved visibility.

New Business: Question about bringing a guest on a field trip. Motion tabled for further review once insurance liability issues are determined.

Adjournment: 8:12 PM

**ALAA Land Use Policy**

1. Adherence to the AFMS Code of Ethics assures compliance with most statutes and regulations governing collecting on public lands and encourages respect for private property rights and the environment. Clubs are urged to read the AFMS Code of Ethics in at least one meeting every year, to publish the Code frequently in the club newsletter, and to compel compliance on club field trips.
2. Individuals and clubs are urged to write their elected representatives and land use management agency supervisors regarding issues of rule making, legislation and enforcement affecting field collecting of minerals and fossils.
3. Individuals and clubs are urged to join and support activities of the American Lands Access Association (ALAA), a sister organization with responsibility for advancing the interests of earth science amateurs with legislatures and land use management agencies.
4. The AFMS will receive a report from ALAA at its annual meeting.
5. The AFMS endorses the principle of multiple use of public lands as a guarantee of continuing recreational opportunities.
6. Wilderness and monument designations are inconsistent with the principle of multiple use. In view of the vast amount of public land already designated as wilderness and monuments, future such designations should be minimal, taking into account the increased demand for recreational opportunities, including rockhounding, created by a growing population.
7. In furtherance of the principle of multiple use, the AFMS believes that laws, regulations and rules established by relevant governmental authorities should be designed to allow freest possible access to all public lands, coupled with minimal restrictions on the recreational collection of minerals, fossils, gemstone materials and other naturally occurring materials.
8. A right to collect minerals and fossils on public lands should be protected by statute.
9. The AFMS urges its members to work with any or all government authorities to achieve a good working relationship in order to improve the public image of recreational collectors.

**AFMS Code of Ethics**

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no willful damage to property of any kind—fences, signs, buildings.
- I will leave all gates as found.
- I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.
- I will discard no burning material—matches, cigarettes, etc.
- I will fill all excavation holes, which may be dangerous to livestock.
- I will not contaminate wells, creeks or other water supply.
- I will cause no willful damage to collecting material and will take home only what I can reasonably use.
- I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.
- I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field trip leaders and those in designated authority in all collecting areas.
- I will report to my club or Federation officers, Bureau of Land Management, or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the "Golden Rule," will use "Good Outdoor Manners" and will at all times conduct myself in a manner which will add to the stature and public image of rockhounds everywhere.

**CFMS/AFMS Shows May 2023**

**Classes Offered by RGMS**

Additional information is available on the CFMS website, [cfmsinc.org/shows](http://cfmsinc.org/shows)

**May 5-6, 2023 – Yucaipa**

Yucaipa Valley Gem and Mineral Society  
Yucaipa Blvd at Adams Street, Yucaipa, CA 92399

Hours: Friday 6 PM – 10 PM, Saturday Noon to 10 PM

Contact: [grandpasgems@gmail.com](mailto:grandpasgems@gmail.com)

Website: <https://www.yvgms.org/>

**May 6-7, 2023 – Lancaster, CA**

Antelope Valley Gem and Mineral Club  
Antelope Valley Fairgrounds, 2551 West Ave. H, Lancaster, CA 93536

Hours: Saturday & Sunday 10 AM – 5 PM

Contact: [marylandoriole@gmail.com](mailto:marylandoriole@gmail.com)

Website: <http://avgem.weebly.com>

flyer: [antelopeshow](#)

**June 3-4, 2023 – Jackson, CA**

Amador County Gem & Mineral Society  
Gem and Craft Show at Kennedy Mine, 12594 Kennedy Mine Rd., Jackson, VA 95642

Hours: 10 AM -4 PM

Contact: (916) 698-9853, [mountaingirl@volcano.net](mailto:mountaingirl@volcano.net)

Website: <http://amadorgemandmineral.org>

**June 10-11, 2023 – Escondido, CA**

Palomar Gem and Mineral Club  
The Convention Center at the California Center for the Arts – 340 North Escondido Blvd, Escondido CA 92025

Hours: Saturday 10 AM – 5 PM, 10 AM – 4 PM

Contact: [tonifloyd41615@gmail.com](mailto:tonifloyd41615@gmail.com)

Website: <http://palomargem.org>

**June 17, 2023 – Bellflower, CA**

Delvers Gem & Mineral Society  
DELVERS PARKING LOT SALE, 14515 Blaine Ave., Bellflower, CA 90706

Hours: 10 AM – 4 PM

Website: <https://delversgemclub.wordpress.com/>

**23-25—Lodi, CA**

California Federation of Gem and Mineral Societies

Grape and Harvest Festival Grounds, Lodi, CA  
Friday and Saturday 10 AM – 5 PM, Sunday 10 AM – 4 PM

This is a general listing of RGMS classes that are typically offered. For specific dates, consult the calendar on the Website or talk to the school director at the General Meeting or email at [<school@renogms.org>](mailto:school@renogms.org).

Open House

- Advanced Silver Fabrication
- Basics of Slab Saw Use
- Beading/Bead Weaving
- Beginning Lapidary
- Beginning Silver Fabrication
- Casting
- Cold Connections
- Etching on Copper
- Intermediate Lapidary
- Jewelry 101
- Lost Wax Carving for Casting
- Make Your Own Ear Wires
- Mineral Identification
- Silver Crocheting
- Silver Chain Making
- Tumbling
- Wire Wrapping/Weaving

- Enameling (future)
- Faceting (future)
- Intarsia (future)

Take a few minutes and check out the *CFMS Newsletter* for May. Just click on <http://www.cfmsinc.org> and find the newsletter in the list on the left. Click on the link.

The Newsletter of the American Federation of Mineralogical Societies is published monthly. You can view the current issue as well as back issues online at [www.Amfed.org](http://www.Amfed.org). There is also a Kids' Website. The link is available on the AFMS site.



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## ***Volunteer Page***

A new feature in the *Conglomerate*, this space will feature those members who are not officers or directors but who regularly volunteer their time to help RGMS function in a number of different and valuable ways, or sometimes in addition to serving as an officer or director. Please thank them for their service if you see them at the Rock Building or at the meeting. You will notice that some members serve in more than one capacity—for example, Steve Norman has 3 jobs—count ‘em. A number of others are doing 2. Think you might find time to do just one job? There are several available.

Used Equip,Sale Coord.	Patrick Davis & Committee
Gen. Mtg. Guest Greeter	Joanne Sworthout
Gen. Mtg Door Prize Coord	Denise Sizemore,
Assistant Door Prize Coord.	Lori Connel
Educational Outreach	Steve Norman
Future Rockhounds Advisor	Steve Norman
JPOG Silent Auction	<b>Available</b>
Facility Expansion	Patrick Davis
JPOG Dealer Chair	Terry Bush
Safety Officer	Spencer Ennis

### Instructors (Alphabetical by class)

<i>Bead weaving:</i>	Sue Webb
<i>Casting:</i>	Spencer Ennis
<i>Etching</i>	Irene Comstock
<i>Jewelry 101 &amp;</i>	Robyn Howard
<i>    Cold Connections</i>	“
<i>Lapidary</i>	Julie Hilsabeck
	Barbara Hartman
<i>Lost Wax Carving</i>	Tim Steeper
<i>Mineral ID</i>	Tom Calhoun/Webb Varnum
<i>Silver Fabrication (Adv.)</i>	Jill Atkins
<i>Silver Fabrication (Beg.)</i>	Spencer Ennis
<i>Slab saw</i>	Patrick Davis
<i>Tumbling</i>	Janet & Albie Longueira
<i>Wire Art</i>	Ginger Ragazzi



**Accommodations:(Circle one). DORM:** Couples Women Men Cabin. RV Space

Who would you like to room with if possible? \_\_\_\_\_ .Use a C-Pap Machine?  
\_\_\_yes\_\_\_no

Dietary Constraints: \_\_\_Food. \_\_\_Diabetic. \_\_\_Vegetarian \_\_\_Other. (please explain)

\_\_\_\_\_

**Due to the lack of dietary knowledge and various interpretations of different needs, we ask that you bring your special food items, and we will do our best to prepare them for you**

**Additional things you should know:**

Animals will be allowed in the RV area only and must be kept on a leash at all times and debris picked up after. Any violations could result in adherence to the Camp Paradise No Pet Rule.

By attending this activity, you are giving your consent for CFMS, to make photographs, videotapes, films, email, or other representations of you. I hereby grant CFMS unrestricted right to copyright any of the above-mentioned containing images of me as well as the unrestricted right to me and reuse them with the caption information, in whole or in part. These rights include, but are not limited to the right to publish, copy, distribute, alter, license, and publicly display these materials and images for editorial, trade, marketing and the advertising purposes.

\_\_\_\_\_ Signature



<b>Yes! I want to donate to the Reno Gem and Mineral Society</b>	Date: _____
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ADDRESS: \_\_\_\_\_ SCHOLARSHIP FUND: \$\_\_\_\_\_.

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PHONE: \_\_\_\_\_ IN-KIND DONATION DESCRIPTION:

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