

The Sierra Pelona



May 2024

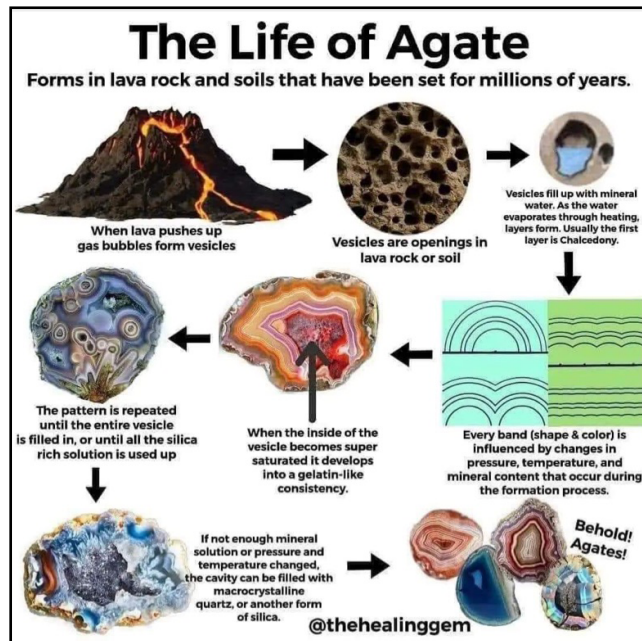
... Member of the California Federation of Mineralogical Society Inc. ...

The Sierra Pelona Rock Club is a non-profit organization founded in 1959 with the objective to sponsor activities and promote interest and education in: mineralogy, lapidary, geology, paleontology and related subjects.



May
Brad Catmull
Lise Meyers

June
Connie Flores-Reisbeck
Akiko Strathmann
Heidi Webber
Janelle Williams
Dianne Wohlleben



Placerita Open House and the SPRC

Saturday, May 11, 2024, the Sierra Pelona Rock Club joined Placerita Canyon Nature Center in celebrating their annual Open House, their give-back to the community, along with a couple dozen other clubs and vendors. As usual, our table was very busy all day. Martin Schreiner and wife Valerie displayed and educated the attendees with his amazing collection of coprolite. Ed and Michelle Learn and Elff ran the Wheel for prizes of tumbled polished rocks and candy. Ron Lawrence helped in all capacities and did what he does best—educate the public. We also had a rock saw ready to cut geodes sold by the gift shop. It was a great day with lots of talk and interaction with future rockhounds.

Thanks to all of you who came to help out.

Officers:

- President – Tina White
- Vice-President – Julie Tinoco
- Secretary: Maureen Thomas
- Treasurer –Ed Learn
- Federation Director (CFMS/AFMS) --Greg Mazourek

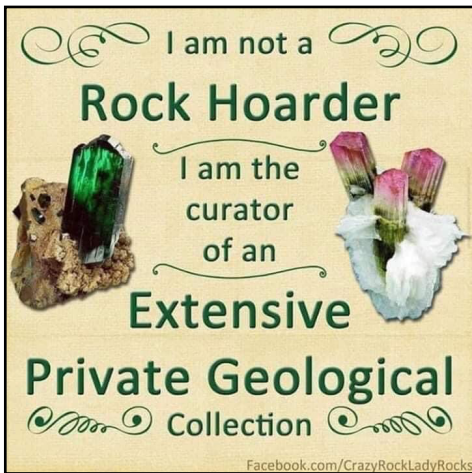
Chairpersons:

- Claim--Linda Jenkins
- Donation Rock Table--Dianne Wholleben
- Equipment--Bill Webber
- Field Trips – Julie Tinoco
- Historian -Open
- Hospitality – Heidi Webber
- Membership – Heidi Webber
- Website-- Larry Holt
- Pelonagram Publisher, Editor – Heidi Webber
- Programs –Tina White
- Publicity –Open
- Sunshine--Yolanda Resnick

The Sierra Pelona Rock Club, is a member of the California and American Federation of Mineralogical Societies, Inc. (CFMS/AFMS). The general club meetings (Open to the public) are at 7:00 PM, on the 3rd Tuesday of each month at

**The Clubhouse of the
Greenbrier Mobile Estates EAST
21301 Soledad Canyon Rd
Canyon Country, CA 91351**

Contact the Club or the Sierra Pelonagram Editor at:
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Or e-mail: hwebber50@gmail.com
Visit the SPRC website www.sierrapelona.com



SPRC Board Meeting Minutes

May 7, 2024

Via Zoom

In attendance: Tina White, Ed Learn, Julie Tinoco, Heidi Webber, Greg Mazourek. Board Member Maureen Thomas was absent.

The meeting was called to order at 7.04 pm

Treasury is OK.

Minutes: Ed moved to approve the April minutes. Greg seconded and motion passed

Ed talked about a letter he received for the postcard 990-EZ from the IRS. It will be taken care of asap. He also got a letter from the BLM questioning the coordinates of the claim. That is also being taken care of.

Tina and Ed still working on getting to the bank.

Tina said regarding the Sales Permit, still working on it as she's been out of town most of the month.

We discussed storage for the club rocks/samples/supplies.

Workshop will be May 25.

The EOY Picnic will be June 2, a Sunday this year, as this was the only decent date available.

Heidi will put out an email regarding picnic and workshop dates.

Julie said that the field trip for May, the location of which will be TBD on Sunday, May 19, aiming for beach-like. (Note: Julie sent an email on May 14 stating that she has Covid and isn't feeling well enough to guide a field trip this month, out of an abundance of caution and so has canceled the field trip.)

Tina W moved that the board authorize Ed to check out storage for club stuff currently at Ron Rockcliffe's home and pay for it if the terms seem good. Greg seconded; motion passed.

Greg motioned to adjourn/Julie/Passed

Adjourned 8:16pm

Respectfully Submitted by
Heidi Webber standing in for Maureen Thomas

SPRC General Meeting Minutes

April 16, 2024

The regular meeting held at Greenbriar Mobile home Park East was called to order at 7:11 p.m. by Vice President Julie Tinoco followed by the Pledge of Allegiance.

Note: Advance notice of the meeting to members is given by email.

Elected Officers In attendance:

Julie Tinoco, Vice President

Maureen Thomas, Secretary

Ed Learn, Treasurer

Greg Mazourek, Federation Director CFMS/AFMS

Elected Officers Absent: Tina White

Field Trip Coordinator: Julie Tinoco

Hospitality: Heidi Webber & Ron Rackliffe

Treasurer's Report:

- The Club is financially able to meet its obligations. Drawing and auction income is as follows:
March - \$86 drawing + \$189 auction. April - \$58 drawing + \$132 auction.

The March 2024 Minutes were approved and the motion passed.

Old Business:

- The 3-day Afton field trip went forward however no fluorite was found.
- The Club's rocks stored in Ron Rackliffe's garage still has yet to find a new home. This includes 3 four-shelf units which, if necessary, can be split between more than one location even if not ideal.

New Business:

- Tina W. still has the club T-shirts as far as we know.
- Ron Lawrence explained where the rocks up for auction came from and the type of rock as they came from his collection that he is winnowing down.
- There was an interesting presentation done by Greg M. on the North Cady Mountains detailing the type of rock that can be found there.
- Heidi W. advised that the Placerita Nature Center Open House is on May 11th from 10am to 2pm. She will send out an email asking for volunteers to man our table. No sales or rock cutting at this event.

Drawing Winners included Trina Aeen, Andy Shubert, Lise Meyers, Ron Rackliffe, Greg Mazourek, Julie Tinoco, Yolanda Resnick and John Wheeler.

The silent auction and drawing proceeds were paid to Ed Learn.

A motion to adjourn was seconded and carried at 8:40 p.m.

Maureen Thomas, Secretary, SPRC

10 Interesting Facts About Geodes



Geodes are spherical rocks that contain hollow cavities lined with crystals. The name geode comes from the Greek word *Geoides*, which means "earthlike." These unique rocks can be formed in a variety of ways. Geodes arise through two primary mechanisms: (1) Volcanic Geodes: formed from gas bubble cavities within solidified lava subsequently filled with mineral deposits from hydrothermal fluids; (2) Sedimentary Geodes: created through dissolution and replacement of organic matter (e.g., shells) or concretions within sedimentary rocks, later filled with mineral precipitates from infiltrating fluids. Geodes also differ from "nodules" in that a nodule is a mass of mineral matter that has accreted around the nodule nucleus.

Geodes can form in any cavity, but the term is usually reserved for more or less rounded formations in igneous and sedimentary rocks. They can form in gas bubbles in igneous rocks, such as vesicles in basaltic lavas; or, as in the American Midwest, in rounded cavities in sedimentary formations. After rock around the cavity hardens, dissolved silicates and/or carbonates are deposited on the inside surface. Over time, this slow feed of mineral constituents from groundwater or hydrothermal solutions allows crystals to form inside the hollow chamber.

Geodes exhibit a remarkable size range, encompassing everything from tiny pebbles to massive boulders exceeding a meter in diameter.

Geode banding and coloration is the result of variable impurities. Iron oxides will impart rust hues to siliceous solutions. Most geodes contain clear quartz crystals, while others have purple amethyst crystals. Still others can have agate, chalcedony, or jasper banding or crystals such as calcite, dolomite, celestite, etc.

Geodes and geode slices are sometimes dyed with artificial colors. Samples of geodes with unusual colors or highly unlikely formations have usually been synthetically altered.

Geode interiors showcase a diverse array of mineral assemblages, including quartz (common and varied forms), agate (banded chalcedony), amethyst (purple quartz), calcite (variable habits), and celestine (blue or colorless sulfate). Rarer minerals like pyrite, opal, and even liquid-vapor inclusions (enhydro geodes) can also be encountered.

Geodes are not geographically restricted. They are found across the globe, from volcanic deserts in California to limestone landscapes in Kentucky. Some regions, such as Iowa and Arizona, are particularly known for their abundance and variety of these geological formations.

Geodes are found mostly in basaltic lavas and limestones.

The world's largest known crystal cave or vug is Crystal Cave, a celestine geode 35 feet (10.7 m) in diameter at its widest point, located near the village of Put-in-Bay, Ohio, on South Bass Island in Lake Erie.

Finding geodes requires some detective work. Look for unusual, smooth-surfaced rocks with visible banding patterns, cavities, or cracks. Exposed rock faces, riverbeds, and quarries are promising hunting grounds.

The largest amethyst geode in the world is 'The Empress of Uruguay' Over three meters tall (that's eleven feet) and weighing two and a half tons. It is located here in Atherton, North Queensland, Australia.

Read more here: <https://www.geologyin.com/2016/02/10-intereing-facts-about-geodes>.

Reference: *Geology.com*

