

The Sierra Pelonaogram



April 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.



*Tina is at a conference in an exotic local. Enjoy your "conference" Tina!
Signed: Jealous on the Mainland*

Note:

We are still looking for someone who has some extra room in their garage or shed for club rock storage. They are currently at Ron Rackliffe's home but he's going away for a couple of years (a good going away, not a bad one...). We need to find a new place for them.

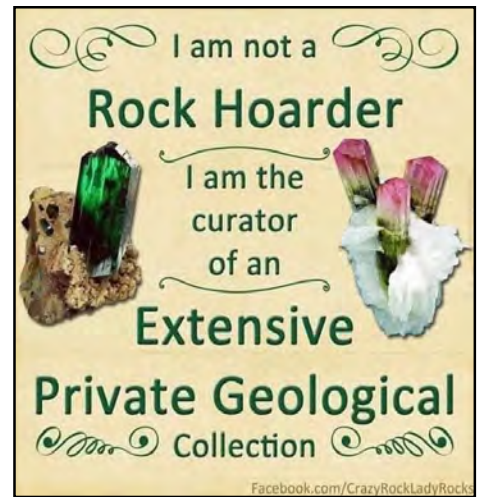


April

Lynne Alexander
Greg Mazourek
Yolanda Resnick
Suzie Rizzo
Michael Shane
Andy Schubert

May

Brad Catmull
Lise Meyers



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:
Sierra Pelona Rock Club
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Or e-mail: hwebber50@gmail.com
Visit the *SPRC* website www.sierrapelona.com

SPRC BOARD Meeting Minutes

April 2, 2024

Note: Ed Learn was in attendance at the March Board Meeting

The Board meeting via Zoom was called to order at 7:05 p.m. by Vice President Julie Tinoco

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

Absent: Greg Mazourek, Federation Director CFMS/AFMS and Tina White, President.

Hospitality In Attendance: Heidi Webber

Treasurer's Report:

- The Club is in good shape financially and able to meet its obligations.

Old Business:

- CFMS Officer Change Form is in process.
- Banking Account: Tina W. and Ed L. have yet to set a date to get their names on the account.
- Membership: No new member applications
- Sales Permit: Tina W. advised this is in process after reviewing documents Heidi W. provided.

New Business:

- Heidi W. was able to reserve our usual spot including patio space for rock cutting on Saturday, May 11th at the Placerita Nature Center open house. As usual, there will no sales at this event.
- The Afton field trip will be April 11th thru the 14th with Diane H., Julie T. and possibly Martin S. leading. This event is open to all. Julie T. will send a final email to members as to where and when to meet and Diane H. will reserve at least 5 camping spaces.
- Since President Tina W. will not be able to be present at the April 16th General meeting, Julie will ask Greg M. to do a presentation - if he is unable to then we will do a rock show and tell discussion.
- April 19th thru the 21st is the Hauser beds geode trip
- May 24th and 25th is the Ventura gem show - Ed L. will send the event flyer to Heidi W. for inclusion in our Pelonagram.
- A workshop at the Webber home is still uncertain due to health issues. To help Heidi W. with the workload, we may convert to a potluck with volunteers helping with the set-up and breakdown.
- Tina W. sent an email to the Board with attachments on the 2024 CFMS Show Dates, CFMS Newsletters for March 2024 giving Camp Paradise info and a registration form as well as info on the field trip to Hauser geode beds (see attached).

A motion to adjourn was seconded and carried at 7:55 p.m.

Maureen Thomas, Secretary, SPRC

SPRC General Meeting Minutes

March 19, 2024

The regular meeting held at Greenbriar Mobile home Park East was called to order at 7:09 p.m. by President Tina White.

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

Elected Officers In attendance:

Tina White, President

Julie Tinoco, Vice President

Maureen Thomas, Secretary

Ed Learn, Treasurer

Greg Mazourek, Federation Director CFMS/AFMS

Field Trip Coordinator: Julie Tinoco

Hospitality: Heidi Webber & Ron Rackliffe

Treasurer's Report:

- The Club is financially able to meet its obligations.

The February 2024 Minutes were approved and the motion passed.

Old Business:

- Any reference to the Club's "claim" means our travertine claim north of Edwards, for your information, per Tina W. Ed L. advised that the claim filing issues have been resolved.
- Tina W. is still working on obtaining a sales permit for the Club.
- Tina brought a written inventory of Club hats & T-shirts (which were in her car) for those interested in buying these items.
- Ed L. and Tina W. have yet to find the time to get to the bank in order to get their names on the Club's account however this does not hinder bill payment.
- The Stoddard Wells event happened and was well attended. The Ventura Gem and Mineral show was held and another is planned for the Memorial Day weekend.
- Ron Lawrence's rock collection continues to supply our auctions. A bigger auction is planned once Martin S. polishes the larger pieces.

New Business:

- New member Jo Johnson-Dyer was given her new member packet and welcomed to the club.
- The Afton Cyn. event scheduled for April 11-14th was discussed as water may be an issue. Afton is a small campground with the Mojave River running through it. The cost to camp is \$6 a night. This trip is in conjunction with a hiking club so Tina W. asks Julie T. if a joint email could be sent out to both clubs regarding attendance. Julie T. needs to coordinate with some people regarding conditions.
- Maureen T. reported that wildflowers could be viewed on the Placerita Nature Center's hiking trails per the Theodore Payne wildflower hotline.
- There was an interesting presentation done by Tina W. on the Grand Canyon highlighting the Canyon's rock layers and their composition.

Diane H. wanted to thank Martin S. for the drawing material he donated.

Ed L. mentioned an app called "iNaturalist" that will identify various plants and animals from a picture – unfortunately this won't work for rocks!

Heidi W. brought our attention to the snack sign-up sheet and asked for volunteers.

Drawing Winners included Jo Johnson-Dyer, Elf, Maureen Thomas, Julie Tinoco, Diane Hellrigel and Tina White.

The Silent Auction proceeds were paid to Ed Learn.

A motion to adjourn was seconded and carried at 9:00 p.m.

Maureen Thomas, Secretary, SPRC

Peridot



Olivine (var. peridot; green) with minor pyroxene (brown) on vesicular basalt. San Carlos, Arizona, USA. By Pyrope - Own work, CC BY-SA 4.0.

Peridot, sometimes called chrysolite, is a yellowish-green transparent variety of olivine. Peridot is one of the few gemstones that occur in only one color.

Peridot can be found in mafic and ultramafic rocks occurring in lava and peridotite xenoliths of the mantle. The gem occurs in silica-deficient rocks such as volcanic basalt and pallasitic meteorites. Peridot is one of only two gems observed to be formed not in Earth's crust, but in the molten rock of the upper mantle. Gem-quality peridot is rare on Earth's surface due to its susceptibility to weathering during its movement from deep within the mantle to the surface. Peridot has a chemical formula of $(\text{Mg, Fe})_2\text{SiO}_4$. Peridot is one of the birthstones for the month of August.

Etymology

The origin of the name peridot is uncertain. The Oxford English Dictionary suggests an alteration of Anglo-Norman pedoretés (classical Latin pæderot-), a kind of opal, rather than the Arabic word faridat, meaning "gem".

The Middle English Dictionary's entry on peridot includes several variations: peridod, peritot, pelidod and pilidod — other variants substitute y for the is seen here.

The earliest use in England is in the register of the St Albans Abbey, in Latin, and its translation in 1705 is possibly the first use of peridot in English. It records that on his death in 1245, Bishop John bequeathed various items, including peridot, to the Abbey.

Appearance

Peridot is one of the few gemstones that occur in only one color: an olive-green. The intensity and tint of the green, however, depends on the percentage of iron in the crystal structure, so the color of individual peridot gems can vary from yellow, to olive, to brownish-green. In rare cases, peridot may have a medium-dark toned, pure green with no secondary yellow hue or brown mask. Lighter-colored gems are due to lower iron concentrations.

Occurrence

Geologically

Olivine, of which peridot is a type, is a common mineral in mafic and ultramafic rocks, often found in lava and in peridotite xenoliths of the mantle, which lava carries to the surface; however, gem-quality peridot occurs in only a fraction of these settings. Peridots can also be found in meteorites.

Peridots can be differentiated by size and composition. A peridot formed as a result of volcanic activity tends to contain higher concentrations of lithium, nickel and zinc than those found in meteorites.

Olivine is an abundant mineral, but gem-quality peridot is rather rare due to its chemical instability on Earth's surface. Olivine is usually found as small grains and tends to exist in a heavily weathered state, unsuitable for decorative use. Large crystals of forsterite, the variety most often used to cut peridot gems, are rare; as a result, peridot is considered to be precious.

In the ancient world, the mining of peridot was called topazios then, on St. John's Island in the Red Sea began about 300 B.C.[9]

The principal source of peridot olivine today is the San Carlos Apache Indian Reservation in Arizona. It is also mined at another location in Arizona, and in Arkansas, Hawaii, Nevada, and New Mexico at Kilbourne Hole, in the US; and in Australia, Brazil, China, Egypt, Kenya, Mexico, Myanmar (Burma), Norway, Pakistan, Saudi Arabia, South Africa, Sri Lanka, and Tanzania.

Cultural history[edit]

Peridot has been prized since the earliest civilizations for its claimed protective powers to drive away fears and nightmares, according to superstitions. It is believed by some superstitious people to carry the gift of "inner radiance", sharpening the mind and opening it to new levels of awareness and growth, helping one to recognize and realize one's destiny and spiritual purpose. There is no scientific evidence for such claims.

Peridot is sometimes mistaken for emeralds and other green gems. Notable gemologist George Frederick Kunz discussed the confusion between emeralds and peridot in many church treasures, notably the "Three Magi" treasure in the Dom of Cologne, Germany.

Peridot olivine is the birthstone for the month of August.

Reference: Wikipedia

**2024
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Sunday, May 5, 2023 10-4**

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