

The Sierra Pelona nagram

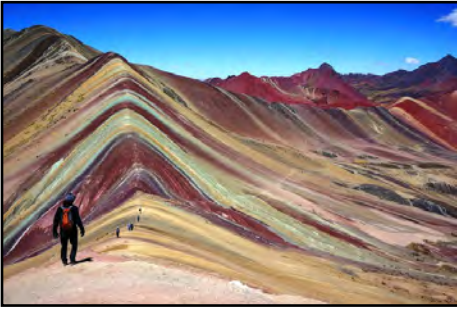


May 2021

... 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.

The Rainbow Mountains in Peru



Ausangate is a mountain of the Willkanuta mountain range in the Andes of Peru

Vinicunca Mountain truly shows off Peru's beauty. It's affectionately nicknamed Rainbow Mountain for its extraordinary color pattern. Rainbow Mountain is located in the Willkanuta mountain range, which is a branch of the Andes.

The region is inhabited by llama and alpaca herding communities, and constitutes one of the few remaining pastoralist societies in the world. High mountain trails are used by these herders to trade with agricultural communities at lower elevations. Currently, one of these trails, "the road of the Apu Ausangate", is one of the most renowned treks in Peru.

The area has four major geological features, the Andean uplift formed by Granites, the hanging glaciers and glacial erosional valleys, the Permian formation with its singular colors: red, ochre, blue and turquoise and the Cretaceous, limestone forests.



Birthdays

May

Therese Colvin
Golden Crocket
Lise Meyers
Mike Serino

June

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



Officers:

President – Bill Webber
Vice-President – Julie Tinoco
Secretary: Heidi Webber
Treasurer –Shana Brunes-Ruiz
Federation Director (CFMS/AFMS) --Ron Rackliffe

Chairpersons:

Claim--Linda Jenkins
Donation Rock Table--Akiko Strathmann
Equipment--Bill Webber
Field Trips – Julie Tinoco
Historian -Open
Hospitality – Ron Rackliffe
Membership – Heidi Webber
Website-- Larry Holt
Pelonagram Publisher, Editor – Heidi Webber
Programs –Tina White
Publicity –Open
Sunshine--Brigitte Mazourek

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 7:30 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: hwebber@pacbell.net

Visit the *SPRC* website www.sierrapelona.com



Hi Everyone!

I know all of you are as happy as I am that things look like they are getting back to normal. We are able to meet at the clubhouse again, and in a beautifully re-decorated meeting room. Last month we were limited to no more than 30 persons, this month the number is 35, so I don't think we will need to make reservations like last time. We still won't be able to serve snacks and you need to bring your own water or other legal drink. And masks are mandatory.

Now I would like to have you ask yourselves a question. Why did you join the club? Was it to educate yourself on rocks and geology? Learn to turn your found treasures into jewelry or use them as display specimens? Meet new people who will turn into friends? All of the above? Are there other things you would like to have the club do, or do differently, than what is done now?

We'd like to hear from you, so Heidi emailed members pretty much these same questions. Granted, some things may not be able to happen. Or may take some time. Or we will need someone to implement them. Regardless, we would like to hear your thoughts and everything will be seriously considered.

I'll see you soon.

Bill Webber
President, SPRC



Sierra Pelona Rock Club

Board Meeting
May 4, 2021
Via Zoom

The meeting was called to order at 7:14pm. In attendance were Julie Tinoco, Shana Brunen-Ruiz, Ron Rackliffe, Tina White and Bill and Heidi Webber

The Treasurer's Report was presented. A motion was made to accept the report as presented. Julie/Heidi/passed.

The Minutes from the April meeting was presented. A motion was made to accept the report as presented. Shana/Julie/passed.

The board decided to sell the 24" saw at Julie's house. It needs to be cleaned. Ron R will look into the value.

Dianne Hellrigel bought the flat lap.

Julie received permission from the owner and will email information about the upcoming trip to Moonstone Beach in Cambria to membership.

Tina will do a presentation at the General Meeting on Moonstone Beach and the headwaters of the creek.

There was a discussion about what we should do to have members become more involved with the club post-pandemic. Tina suggested we email members with a question requesting feedback. Heidi will email this to membership. (done)

Business concluded, Heidi made a motion to adjourn, Ron/passed.

The meeting adjourned at 8pm.

Respectfully Submitted
Heidi S Webber, Secretary, SPRC

Sierra Pelona Rock Club
General Meeting
Greenbriar Estates Clubhouse
April 20, 2021

The meeting was called to order at 7:40. There were 22 persons in attendance.

This was the first meeting in person in over a year.

Heidi read to members present the proposed bylaws change. The vote to change the bylaws to permit electronic voting of board members will happen at the May General Meeting.

The change will read:

Elections shall be held at the general meeting in December except if in-person voting is prohibited and beyond membership control. (Covid-19 pandemic for example). Voting shall still be held in December and only one method of voting will be permitted per election. (in-person or e-vote).

Goldie was given her much-delayed membership packet (pandemic occurred before we could do this last year)

The meeting was adjourned so Tina could give her presentation on petrified wood.

Respectfully Submitted
Heidi S Webber, Secretary, SPRC



Gemstones That Change Color in Different Light

Color change gems show different colors when viewed under different light sources, such as sunlight and indoor light.

Astonishingly beautiful, exotic and rare, Zultanite demands a double take - its unique color change is truly that mesmerizing. If for you fashion is all about getting attention, Zultanite is set to redefine your look.

While some of Zultanite's key characteristics are its delicate color saturation, durability and scintillation (play of light), the beauty and intrigue of this regal gemstone ultimately lies in its different colors. Zultanite displays a range of earthy hues and similar to the famous color change gem Alexandrite, it can change from kiwi greens in sunlight (candescent light) to raspberry purplish-pinks in candlelight (incandescent light).

But unlike other color change gems such as Alexandrite, Zultanite's color change is not limited to two basic colors. Incredibly, the same Zultanite can also exhibit khaki greens, sage greens, cognac pinks, pinkish champagnes, canary yellows, rich champagnes and gingers in different light sources. Zultanite's kiwi greens with canary flashes are noticeable under sunny skies, while traditional indoor lighting will elicit rich champagne colors.

During a candle lit dinner, the same gem reveals pink to raspberry hues. While just wearing Zultanite unveils its breathtakingly diverse colors, one of its most unique characteristics is that unlike other color changes gems, Zultanite's best color change is not dependant on dark tones.

According to the leading gemstone author Antoinette Matlins, some women prefer the colors of Zultanite because they like the more subtle pastel contrast and find they complement earth tones (green, chocolate, mocha and gold), making the gem more wearable. Like all color change gemstones, the larger the Zultanite, the more visible the color change.

As if one phenomena wasn't enough, some Zultanite also possess the coveted cat's eye effect. Chatoyancy or the cat's eye effect is a reflection effect that appears as a single bright band of light across the surface of a gemstone. It is caused by the reflection of light by parallel inclusions.

The GIA (Gemological Institute of America) classifies Zultanite as a Type II transparent gemstone, meaning that it is usually eye-clean (no visible inclusions when the gem is examined approximately 6 inches from the naked eye) with some inclusions visible under 10x magnification.

Inclusions are tiny natural features that grow within the crystal during a gem's formation within the earth. Mostly microscopic in nature, inclusions are a fascinating hallmark of authenticity, recording a gem's natural relationship with the earth. They are also extremely useful to gemologists when identifying natural gemstones from synthetics and imitations.

Zultanite registers 7 out of 10 on the Mohs' Hardness Scale (a system devised in the 18th century by a Viennese mineralogist Friedrich Mohs to measure the ability of a gem to resist surface scratching), has a refractive index of 1.75 and specific gravity of 3.39.

Unless you're a gemologist, these numbers won't mean much to you, but these characteristics make Zultanite an excellent jewelry gemstone. As 100% natural gemstone, Zultanite is one of the few gems that have no known enhancements or treatments.

While the newness of Zultanite means that it has had little time to accumulate legends and lore, for those interested in the esoteric properties attributed to gemstones, some people believe Zultanite can assist in the development of psychic power, astral force, ambition, intellect, desire and emotions based on intellect and touch.

The alexandrite variety displays a color change (alexandrite effect) dependent upon the nature of ambient lighting. Alexandrite effect is the phenomenon of an observed color change from greenish to reddish with a change in source illumination.

Alexandrite results from small scale replacement of aluminium by chromium ions in the crystal structure, which causes intense absorption of light over a narrow range of wavelengths in the yellow region (580 nm) of the visible light spectrum.