

The Sierra Pelonagram



June 2019

... 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.

BIRTHDAYS

June

Connie Flores-Reisbeck
Tim Gunter
Paul Hobbs
Tom Rossi
Katie Stewart
Akiko Strathmann
Heidi Webber
Janelle Williams
Dianne Wohlleben



July

Trina Aeen	Ron Rackliffe
Frank Denson	Louise Rinker
DJ Gervais	Donna Svetich
Ember Guzman	Betsy Swallow
Silvia Hamilton	Irina Swauger

August

Don Cogan
Kay Denson
Ron Lawrence
Cody Patrich
Danny Quarles
Bill Wertz
Joyce Wertz

Sierra Pelona Rock Club

General Meeting
Greenbriar Estates Clubhouse
May 21, 2019

The meeting was called to order by Bill Webber at 7:35pm. After the Pledge of Allegiance one guest was introduced.

Don and Cheryl Cogan and Tom Rossi were given their membership packets. Congratulations and welcome to the club.

Bill thanked all who were able to work the SPRC table at the Placerita Canyon Nature Center Open House. The club made some decent money.

The End-of-Year Potluck will be held at Meadows Park on June 8 at 11am. Ron Rackliffe will be emailing more detail soon.

The next workshop is scheduled for June 1 at Bill and Heidi's home. It runs from 10-3-ish. Lunch will be prepared by Heidi as usual, with help from Yolanda Resnick.

Julie Tinoco wasn't in attendance, but will email the club with details regarding the Cambria field trip on June 22.

The meeting was adjourned at 7:45pm for Tina White's program on California mountain ranges and climate.

Officers:

President – Bill Webber
Vice-President – Kay Denson
Secretary: Heidi Webber
Treasurer –Shana Brunes-Ruiz
Federation Director (CFMS/AFMS) --Evelyn Velie

Chairpersons:

Claim--Mike Serino
Donation Rock Table--Ron and 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 –Bruce Velie
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:

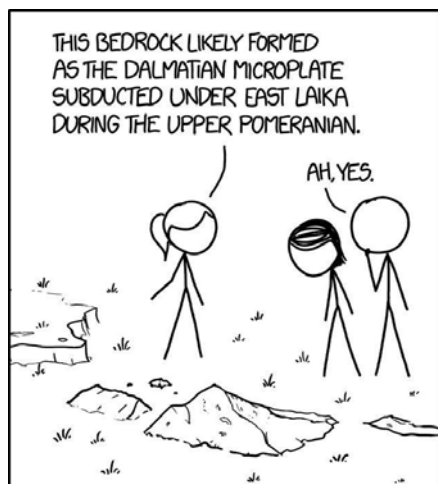
Sierra Pelona Rock Club

P.O. Box 221256

Newhall, Ca. 91322

Or e-mail: hwebber@pacbell.net

Visit the SPRC website www.sierrapelona.com



GEOLOGY TIP: THERE ARE SO MANY MICROPLATES AND AGES THAT NO ONE REMEMBERS THEM ALL, SO IN A PINCH YOU CAN BLUFF WITH DOG BREEDS.



President's Message

Well, a couple things happened in May. First was a very successful day at Placerita Canyon Nature Center's Open House. Thanks to all of you who attended. We had so many persons visit our table who bought geodes that we cut, spun the wheel and purchased goodies for themselves and family. It was a great day.

Then there was a great field trip to the claim where about a dozen of us worked hard gathering travertine and picking through the "leaverite" pile, looking for new treasures. We had a weenie roast/potluck. There was more than enough for all and the weather was absolutely perfect with a nice cool breeze on a lovely spring day. It doesn't get any better than that!

This month is our end of year potluck picnic at Meadows Park, where we have gone for several years. It should be a lot of fun. Emails will be sent out before the event.

We are also having our next workshop on June 1 at my and Heidi's home. All members are welcome. Heidi will be preparing lunch with the assistance of Yolanda.

Julie has been working on another fun trip to the Cambria area and Moonstone Beach. Again, emails will be sent out with detail.

This will be our final meeting for the summer. September will be Show-and-Tell at the General Meeting along with an Ice Cream Social. It has been a great year so far, looking forward to September!

Bill

Sierra Pelona Rock Club

Board Meeting

June 4, 2019

Greenbriar Estates Clubhouse

The meeting was called to order at 7:05pm. In attendance were Kay Denson, Ron Lawrence, Julie Tinoco, Shana Brunes-Ruiz, and Bill and Heidi Webber.

Heidi brought the current copy of Gem Guides Books where we get our "Gem Trails" books. Kay suggested the club buy several Gem Trails of Southern California to sell. Heidi can get a decent discount and selling them to members could be a decent source of income. Ron seconded/passed.

Treasurer's Report: Kay motioned to accept the treasurer's report as presented/Shana seconded/passed.

Minutes of Board Meeting May 7, 2019: Kay motioned to accept the board meeting minutes as presented/Heidi seconded/passed.

The upcoming picnic was discussed. Ron Lawrence will do Bingo as usual, Ron Rackliffe will be the auctioneer and there will also be a silent auction. Items to be auctioned will all be rock or lapidary related, such as collecting equipment, bucket, various samples, etc. Items to be donated by members.

Julie said she is working on the calendar for the rest of 2019 which will include field trips and other club activities.

After the picnic on Saturday, we will all be off for the summer. The next meeting will be in September as usual. This is a show-and-tell event and there will also be an Ice Cream Social.

Bill and Heidi bought a new fire pit for the claim. (A stainless steel washing machine tub). It has a metal flange for a belt on it and will be cemented into the ground. Kay motioned that the club provide the cement as Bill and Heidi are donating the tub. Shana seconded/passed. We would also like to have a little cleanup day soon to repaint the discovery posts, install the fire pit and recover the picnic table with wood as the old is badly warped and sun damaged.

On a sad note, Kay announced that she will be resigning effective now as she and Frank sold their house and are moving to Palm Desert. It has been a pleasure to know them both and we wish them all the best and hope to see them at some function or other in the future.

With no further business to discuss, Shana motioned we adjourn/Kay seconded/adjourned at 8:20pm.

The Ring of Fire



What is the Ring of Fire?

The Ring of Fire is a major area in the basin of the Pacific Ocean where a large number of earthquakes and volcanic eruptions occur. The Ring of Fire is sometimes called the circum-Pacific belt.

In a 40,000 km (25,000 mi) horseshoe shape, it is associated with a nearly continuous series of oceanic trenches, volcanic arcs, and volcanic belts and plate movements. It has 452 volcanoes (more than 75% of the world's active and dormant volcanoes).

The Ring of Fire is a 25,000 mile (40,000 km) horseshoe-shaped area of intense volcanic and seismic (earthquake) activity that follows the edges of the Pacific Ocean. Receiving its fiery name from the 452 dormant and active volcanoes that lie within it, the Ring of Fire includes 75% of the world's active volcanoes and is also responsible for 90% of the world's earthquakes.

All but three of the world's 25 largest volcanic eruptions of the last 11,700 years occurred at volcanoes in the Ring of Fire.

Where Is the Ring of Fire?

The Ring of Fire is an arc of mountains, volcanoes, and oceanic trenches that stretch from New Zealand northward along the eastern edge of Asia, then east across the Aleutian Islands of Alaska, and then south along the western coasts of North and South America.

What Created the Ring of Fire?

The Ring of Fire is a direct result of plate tectonics: the movement and collisions of lithospheric plates. The eastern section of the ring is the result of the Nazca Plate and the Cocos Plate being subducted beneath the westward-moving South American Plate. The Cocos Plate is being subducted beneath the Caribbean Plate, in Central America. A portion of the Pacific Plate and the small Juan de Fuca Plate are being subducted beneath the North American Plate. Along the northern portion, the northwestward-moving Pacific plate is being subducted beneath the Aleutian Islands arc.

Farther west, the Pacific plate is being subducted along the Kamchatka Peninsula arcs on south past Japan. The southern portion is more complex, with a number of smaller tectonic plates in collision with the Pacific plate from the Mariana Islands, the Philippines, Bougainville, Tonga, and New Zealand; this portion excludes Australia, since it lies in the center of its tectonic plate.

Indonesia lies between the Ring of Fire along the northeastern islands adjacent to and including New Guinea and the Alpid belt along the south and west from Sumatra, Java, Bali, Flores, and Timor. The famous and very active San Andreas Fault zone of California is a transform fault which offsets a portion of the East Pacific Rise under southwestern United States and Mexico. The motion of the fault generates numerous small earthquakes, at multiple times a day, most of which are too small to be felt.

The active Queen Charlotte Fault on the west coast of the Haida Gwaii, British Columbia, has generated three large earthquakes during the 20th century: a magnitude 7 event in 1929; a magnitude 8.1 in 1949 (Canada's largest recorded earthquake); and a magnitude 7.4 in 1970.

Major Volcanoes in the Ring of Fire

With 452 volcanoes, the Ring of Fire has some that are more famous than others. The following is a listing of major volcanoes in the Ring of Fire.

- **The Andes** -- Running 5,500 miles (8,900 km) north and south along the western edge of South America, the Andes Mountains are the longest, continental mountain range in the world. The Andean Volcanic Belt is within the mountain range and is broken up into four volcanic zones that include such active volcanoes as Cotopaxi and Cerro Azul. It is also home to the highest, active volcano -- Ojos del Salado.
- **Popocatepetl** -- Popocatepetl is an active volcano in the Trans-Mexican Volcanic Belt. Located near Mexico City, this volcano is considered by many to be the most dangerous in the world since a large eruption could potentially kill millions of people.
- **Mt. Saint Helens** -- The Cascade Mountains in the United States' Pacific Northwest hosts the 800 mile (1,300 km) Cascade Volcanic Arc. The Cascades contain 13 major volcanoes and nearly 3,000 other volcanic features. The most recent eruption in the Cascades occurred at Mt. Saint Helens in 1980.

- **Aleutian Islands** -- Alaska's Aleutian Islands, which consist of 14 large and 55 small islands, were made from volcanic activity. The Aleutians contain 52 volcanoes, with a few of the most active being Cleveland, Okmok, and Akutan. The deep Aleutian Trench, which also sits next to the islands, has been created at the subduction zone with a maximum depth of 25,194 feet (7679 meters).
 - **Mt. Fuji** -- Located on the Japanese island of Honshu, Mt. Fuji, at 12,380 feet (3,776 m), is the tallest mountain in Japan and the world's most visited mountain. However, Mt. Fuji is more than a mountain, it is an active volcano that last erupted in 1707.
 - **Krakatoa** -- In the Indonesia Island Arc sits Krakatoa, remembered for its massive eruption on August 27, 1883 that killed 36,000 people and was heard 2,800 miles away (it is considered the loudest sound in modern history). The Indonesian Island Arc is also home to Mt. Tambora, whose eruption on April 10, 1815 was the largest in major history, being calculated as a 7 on the Volcanic Explosion Index (VEI).
 - **Mt. Ruapehu** -- Rising to 9,177 feet (2797 m), Mt. Ruapehu is the tallest mountain on the North Island of New Zealand. Located in the southern section of the Taupo Volcanic Zone, Mt. Ruapehu is New Zealand's most active volcano.
- As a place that produces most of the world's volcanic activity and earthquakes, the Ring of Fire is a fascinating place. Understanding more about the Ring of Fire and being able to accurately predict volcanic eruptions and earthquakes may help eventually save millions of lives.

Read more at <http://www.geologyin.com/2018/01/the-ring-of-fire.html#u4pw7TGrqkRWod0u.99>

May Field Trip Report



On Saturday May 18, 2019 eleven of us from the Sierra Pelona Rock Club went on our monthly field trip. Attending were Bill and Heidi Webber, Yolanda Resnick, Carla Passalacqua, Mike Wertz, Bill and Joyce Wertz, Robin and Mike Shane, Julie Tinoco and Shana Ruiz. Driving to the SPRC claim near North Edwards we found some beautiful travertine of different color varieties as well as some nice jasper.

Of course the sharing pile usually adds something special to your collection.

I picked up a nice agate.

Lunch of hot dogs with all the fixings including a yummy potato salad and lots of delicious desserts were had. We all laughed as I winged it with a make shift basket to cook my burger.

The weather was beautiful, not too hot with a cool breeze. A perfect day for collecting and visiting. We had planned on hunting Palm Root but the relaxed atmosphere and camaraderie of the day had us staying at the claim until we were ready to pack it up and head home.

See you at the next field trip.

Julie

Editor's Note: In case you haven't noticed, there isn't a single picture of actual collecting, only eating! I guess we were pretty hungry and impressed by the great spread! Next time, we will try harder to get collecting pictures. Promise!

