The Sierra Pelonagram



March 2012

.. 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.



March - Lion and Lamb

March has tumbled on the scene, exits mild, but enters mean... Winter waves a fierce goodbye, while robins promise Spring is nigh.

Daffodils are peeking through... forsythia is budding, too. Clouds are racing, sun is cool, in like a lion is the rule!

Birds all seem to know it's time to answer Mother Nature's sign; they listen to an innate command, and there goes March, out like a lamb.

© Joyce P. Hale



Birthdays in March

Jerry Farrar, March 7 Roger Gibson, March 3 Ruth Hidalgo, March 10 Brenda Litt, March 14 Evelyn Velie, March 27 Bill Webber, March 19



Officers:

President – Ron Lawrence Vice-President – Bill Webber Secretary: Heidi Webber Treasurer – Greg Mazourek Federation Director (CFMS/AFMS) – Shep Koss

Chairpersons:

Claim - Mike Serino Donation Rock Table - Akiko Strathmann Facebook--Greg Langewisch Field Trips – Greg Langewisch Historian - Frank Humelbaugh Hospitality – Evelyn Velie Membership – Janelle Williams Pelonagram Publisher, Editor – Heidi Webber Programs – Shep Koss Publicity –Open Storage - Vlad Litt Sunshine - Brigitte Mazourek Website – Greg 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: <u>hwebber@pacbell.net</u> Visit the SPRC website <u>http://www.sierrapelona.</u> <u>com/</u>



Our condolences go out to Bob Caudill on the passing of Barbara Caudill. Barbara was born in 1947, and married Robert in 1965. Barb enjoyed activities with Bob, the love of her family, and lapidary with members of the rock club. She is survived by Robert, their daughters Chari and Chris, six grandchildren, her sisters Patti and Katie, and many friends. We will miss her enthusiasm and the joy she brought to all within in her circle.





President's Message

There have been a lot of things going on in the club the last few months. Two new members joined last month and they have already showed that they will be actively involved. We lost a dear member, Barbara Caudill.

We voted on three changes to the bylaws and two of them passed, also we now take minutes at General Meetings and started giving gifts to visitors. A few new ideas and a few old ideas brought back from years ago. Every chance I get I ask members to suggest things we can use to make the club more user friendly. Greg Langewisch started a contest for rocks collected on the latest field trip but we need more ideas.

It may seem to you like there has been more business discussed at General Meetings than we use to and I agree. This is a rock club and I'm in it for the field trips and interesting programs not to sit around and discuss business, that's for Business Meetings. There are a few things that the club in general has to vote on. Shep and Greg's idea to form a committee to



oversee changes to the bylaws, if passed, may help. Hang in there with me and see how it goes.

We have had some great field trips and plans for more over the next few months, in fact there are two planned for this month alone.

I hope you plan to collect some of that green marble and see the tail gate show at Stoddard Wells this Saturday. The show is worth attending by itself and the marble is nice and easy to work.

Our program this month will be wire wrapping with Greg M. and I think he plans an interesting twist to the program. If you're into wire wrapping or have thought about doing it, bring your tools and get some great instruction.

Some future programs will be metal detecting and guest speakers and I hear Greg L. has an overnight field trip in the near future.

Take full advantage of your club. Ron

March 16 - 18: SAN BERNADINO, CA

Orange Belt Mineralogical Society Western Regional Little League Ball Park 6707 Little League Drive 9am to Dusk daily Contact: Steve Williams, (909) 389- 8680; (909) 381- 0089 cell Email: <u>ironelk@ymail.com</u> Website: <u>www.obmsrocks.yolasite.</u> <u>com</u>

March 17 - 18: VALLEJO, CA

Vallejo Gem & Mineral Society Solano County Fairgrounds McCormack Hall Hours: 10 - 5 daily Contact: Dan Wolke, (707) 644-9764 Email: VGMS01@yahoo.com Website: www. vallejogemandmineral.com March 24 - 25: ANGELS CAMP, CA Calaveras Gem & Mineral Society Calaveras Co. Fairgrounds (Frog Town USA) 101 Frogtown Road Hours: Sat 10 - 5; Sun 10 - 4Contact: Tak Iwata, (209) 928-5579 Email: Tak2me@msn.com Website: www. calaverasgemandmineral.org March 24 - 25: ROSEVILLE, CA **Roseville Rock Rollers Roseville-Placer County** Fairgrounds 800 All American City Blvd. (off Washington) Hours: Sat. 10 - 5; Sun. 10 - 4 Contact: Gloria Marie, (916) 216-1114 Email: gloriarosevillerockrollers@ gmail.com Website: www.rockrollers.com

March 31 - April 1: LEMOORE, CA Lemoore Gem & Mineral Society **Trinity Hall** 470 Champion Street Hours: 10 - 6 daily Contact: Judy & John Pereira, (559) 924-4052 March 31 - April 1: **TORRANCE, CA** South Bay Lapidary & Mineral Society Ken Miller Recreational Center 3341 Torrance Blvd. Hours: Sat. 10 - 5; Sun. 10 - 4 Contacts: Larry Hoskinson & Leslie Neff, (310) 318-2170 Email: lesneff@aol.com Website: www.palosverdes.com/ sblap APRIL 2012 April 7 - 8: PARADISE, CA Paradise Gem & Mineral Society Elks Lodge 6309 Clark Road Hours: Sat 9 - 5 ; Sun 9 - 4 Contact: Manuel Garcia, (530) 877-7324 Email: mmpg@att.net Website: www.paradisegem.org April 13 - 15: VISTA, CA San Diego County Council of Gem & Mineral Societies Antique Gas & Steam Engine Museum 2040 N. Santa Fe Avenue Hours: 9 - 5 daily Contacts: Ray Pearce, (760) 726-7570 Simon King, (619) 991-2226 Cathy Davis, (858) 278-9987 April 14 - 15: MARIPOSA, CA Mariposa Gem & Mineral Society Mariposa County Fairgrounds 5005 Fairgrounds Road (Hwy 49, 1.8 miles South of

Mariposa) Hours: Sat. 10 - 6; Sun. 10 - 4 Contact: Randy Bolt or Chel Bebernes, 209) 742-7625 April 20 - 22: SAN JOSE, CA Santa Clara Valley Gem & Mineral Society Santa Clara County Fairgrounds 334 Tully Road Hours: Fri 9 – 5: Sat & Sun 10 – 5 Phone: (408) 265-1422 Email: info@scvgms.org Website: www.scvgms.org April 20 - 22: INDIO, CA Shadow Mountain Gem & Mineral Society Coachella Valley Wild Bird Center 46500 Van Buren Street Hours: 9 - 5 daily Contact: Darlene Bjork, (760) 328-6916 Email: daBjork@dc.rr.com Website: www. shadowmountaingemmineral.org April 21 - 22: THOUSAND OAKS, CA Conejo Gem & Mineral Club Borchard Park Community Center 190 Reino Road (at Borchard Rd.) Hours: 10 - 5 daily Contact: Robert Sankovich, (805) 494-7734 Email: rmsorca@adelphia.net Website: www.cgamc.org April 28 - 29: LANCASTER, CA Antelope Gem & Mineral Society Lancaster High School 44701 - 32nd Street West Hours: 9 - 5 daily Contact: CJ Quitoriano, (661) 209-9092, cjg 62@yahoo.com Contact: Rod Skillings, (661) 400-5198, rodneyskillings@ymail.com



Lapidary Safety, Hints and Information.

By Shep Koss

The first equipment most rockhounders get is a tumbler. Bear in mind that tumbling is a long-term process with minor labor involvement. While not all inclusive these are basic hints.

Lubricate lightly all gears and shaft mountings once monthly with heavy-duty oil, usually motor oil available in squeeze cans from hardware stores. Each grit stage lasts approximately one week and usually includes 60/90 grit, 220, 400 or 600, polish stage, usually alumina oxide compounds.

Depending on material polished, a buffer such as reusable plastic pellets is used in the final stage or two. Do NOT reuse the same pellets in different stages. Always use the used pellets in the same stage. Pellets not only cushion the stones but also help in adhering the polishing

media better to the stones. This is especially helpful in obsidians, apache tears and many quartz types. I also tumble in a "pure" soap media, such as Ivory Snow, between the last two stages and after the polishing stage. I let them tumble an additional day in the soap stage.

Between ALL stages make sure the barrels and stones are thoroughly washed. Remove small chipped-off stones and pitted stones. Save pitted stones for the next first stage tumble. Do NOT mix stone hardness within the same barrel.

Saws: lapidary saws come in various sizes for various uses such as cutting slabs off of rough stone or cutting cabs out of slabs. These are known as slab saws and trim saws. I've found that an 8" saw can do double duty in this respect in both slabbing smaller rough and trimming slabs for cab work. The blade kerf (thickness) is also dependent on use.

For example, the kerf of a 6" blade may range from near paper thin, .004" kerf to about .012" kerf. Thinner kerfs are used for cutting the more valuable and precious gemstones such as opal, sapphire, or most any other gemstone while thicker kerfs are stiffer for larger rock types. An important note here; .004-.006 kerfs WILL cut fingers! Thicker kerfs usually won't. They will abrade fingers much like an emery board but not slice. This is because diamond blades grind through rock unlike wood cutting blades which saw through wood. Also on this note, the rpm of lapidary saws is MUCH slower than wood saws. Lapidary saws have about a 1750 rpm. Kerfs of slab saws, 6 inch - 36 inch range from .025 - .200 inches. Remember, the thicker the kerf, the stiffer the blade.

Lapidary blades are diamond coated along the cutting edge and thus, must stay lubricated. On smaller blades, usually under 8", this can be done with water with a soluble solution of rust inhibitor/cooling liquid. Larger blades use lubricating oil available under different names. Some of these oils are noxious and may irritate skin. Many stones are also so porous they absorb oil and may discolor. In either case of oil or water, they also serve the purpose of reducing inhaling rock dust, most of which is dangerous. NOTE: ALWAYS wear a dust mask and eye protection for your safety!!!

Many methods have been employed to reduce and/or remove oil from cutting stone. These include, but are not limited to, soaking in clean cat litter filler, prior soaking in water minimum 24 hours to fill stone porosity, use of oil detergents, etc.

Saw blades are coated in diamonds a number of ways affecting both price and longevity. Metal-bond impregnated sintered blades are usually the most expensive. Electroplated blades are usually the least expensive. These are diamond on nickel on steel. In between are the resin bonds which are coated. In all cases I recommend continuous rim blades rather than those with teeth both for ease of cutting and your safety. While these different types may look almost identical they aren't. Ask your supplier. They all do the same job but differ in cost and longevity. Bear in mind, it's less painful to replace a tweaked or bent less expensive blade than a more costly one."

Grinding and polishing equipment: These are usually of two primary types: the multiple diamond wheel types or the flat diamond plate types. More on the types of polishing equipment will be in future article(s). In all cases, again, they must be lubricated either with a supply of clean water or water mixed with a cooling solution. I've found that the flat plate type is more versatile in that you can also polish slabs and geodes which cannot be done on wheels. It is VERY difficult to polish flat objects on round wheels. As on saws, be sure to wear dust masks and eye protection, especially indoors.

The Sliding Rocks of Racetrack Playa

One of the most interesting mysteries of Death Valley National Park is the sliding rocks at Racetrack Playa (a playa is a dry lake bed). These rocks can be found on the floor of the playa with long trails behind them. Somehow these rocks slide across the playa, cutting a furrow in the sediment as they move.

Some of these rocks weigh several hundred pounds. That makes the question: "How do they move?" a very challenging one.

The truth: No one knows for sure exactly how these rocks move - although a few people have come up with some pretty good explanations. The reason why their movement remains a mystery: No one has ever seen them in motion!

Let's learn how they are thought to move....

About Racetrack Playa

Racetrack playa is lake bed that is almost perfectly flat and almost always dry. It is about 4 kilometers long (2.5 miles - north to south) and about 2 kilometers wide (1.25 miles - east to west). The surface is covered with mudcracks and the sediment is made up mainly of silt and clay.

The climate in this area is arid. It rains just a couple of inches per year. However, when it rains, the steep mountains which surround Racetrack Playa produce a large amount of runoff that converts the playa floor into a broad shallow lake. When wet, the surface of the playa is transformed into a very soft and very slippery mud.

Are They Moved by People or Animals?

The shape of trails behind the rocks suggest that they move during times when the floor of Racetrack Playa is covered with a very soft mud. A lack of disturbed mud around the rock trails eliminates the possibility of a human or animal pushing or assisting the motion of the rocks.



Recent research by NASA on **Racetrack Playa**

Are They Moved by Wind?

This is the favorite explanation. The prevailing winds that blow across Racetrack Playa travel from southwest to northeast. Most of the rock trails are parallel to this direction. This is strong evidence that wind is the prime mover or at least involved with the motion of the rocks.

Strong wind gusts are thought to nudge the rocks into motion. Once the rock begins to move a wind of much lower velocity can keep the rock in motion as it slides across the soft and very slippery mud. Curves in the rock trails are explained by shifts in wind direction or in how the wind interacts with an irregularly shaped rock.

Are They Moved by Ice?

A few people have reported seeing Racetrack Playa covered by a thin layer of ice. One idea is that water freezes around the rocks and then wind, blowing across the top of the ice, drags the ice sheet with

its embedded rocks across the surface of the playa.

Some researchers have found highly congruent trails on multiple rocks that strongly support this movement theory. However, the transport of a large ice sheet might be expected to mark the playa surface in other ways - these marks have not been found.

Other researchers experimented with stakes that would be disturbed by ice sheets. The rocks moved without disturbing the stakes. The evidence for ice-sheet transport is not consistent.

Wind is the Favored Mover!

All of the best explanations involve wind as the energy source behind the movement of the rocks. The question remains is do they slide while encased in an ice sheet or do they simply side over the surface of the mud? Perhaps each of these methods is responsible for some rock movement?

Perhaps this story will remain more interesting if the real answer is never discovered!

NASA Studies on Sliding Rocks

NASA sent a team of interns and mentors to Racetrack Playa during Summer 2010. They made observations, performed tests, compiled data and developed some ideas about how the rocks might move. *Source: Geology.com*



Landsat image of Racetrack Playa. It is the flat white area in the center of the image.



Rocks of many sizes and shapes leave tracks across Racetrack Playa. © iStockphoto / David Choo.



Rocks of many shapes leave trails across Racetrack Playa. © iStockphoto / John Alcorn



March Birthstones

Aquamarine



The name *aquamarine* is derived from the Latin word *aqua*, meaning water, and *marina*, meaning *the sea*. This gemstone was believed to protect sailors, as well as to guarantee a safe voyage. The serene color of aquamarine is said to cool the temper, allowing the wearer to remain calm and levelheaded. Its pale, cool color beautifully complements spring and summer wardrobes. Aquamarine is most often light in tone and ranges from greenish blue to blue-green; the color usually is more intense in larger stones. This gemstone is mined mainly in Brazil, but also is found in Nigeria, Madagascar, Zambia, Pakistan, and Mozambique.

Bloodstone

The second birthstone for March is *bloodstone*, a dark-green jasper flecked with vivid red spots of iron oxide. This ancient stone was used by the Babylonians to make seals and amulets and was believed to have healing powers — especially for blood disorders. It is sometimes called the *martyr's stone* as legend tells that it was created when drops of Christ's blood stained some jasper at the foot of the cross. Generally found embedded in rocks or in riverbeds as pebbles, primary sources for this stone are India, Brazil, and Australia.



Shep sent this information to the Pelonagram. Victorville is pretty close, compared to some of our trips, so this may well be a great day trip. The website also has many more local trips available. Check it out. The website is <u>http://goo.gl/6iljk</u>

Type of	Black Jade with Magnetite
material	Verde Antique Marble
found	Spectacular Hematite
	Black Jade. This jade is a very dark green or black in color with magnetite inclusions. After polishing, the magnetite can be gold plated and thus makes striking pieces. You should be selective in the rough chunks you take, as some is so saturated with magnetite, there is no contrast between it and the jade. Takes good polish and is suitable for all types of lapidary work.
Description of material	Verde Antique Marble. Colors ranging from yellow to yellow-green and chartreuse green. Takes an excellent polish. Large pieces suitable for bookends, spheres, pen bases, and cabs.
	Spectacular Hematite. Occurs in a greenish matrix as black platelets with a metallic luster. Shows a reddish brown streak on streak plate. Good specimen material can be found on hill below the verd antique quarry.
Equipment needed	Rock pick. Heavy tools if you plan to dig in verd antique quarry.
How to get there	Take Highway 15 through Victorville to the Stoddard Wells Road offramp and go north 3 miles to boulevard stop. Turn right onto Stoddard Wells Road and proceed to pavement end (4.4 miles). Go on 5 miles and turn right onto well-traveled dirt road. Continue on .4 mile and bear left. (Note: From here you can see a mountain straight ahead with a large, white outcropping. This is the verd antique quarry. Slightly up the hill and to the left a way is the jade outcropping.) Follow dirt road 1.5 miles to base of mountain mentioned above. Beyond this point the road is quite steep and rough. Park your car and walk up the road to verde antique deposit. Hike uphill, and to west to jade outcropping. The hematite is scattered on the slope of the hill below the quarry.



Sierra Pelona Rock Club Business Meeting Greenhouse Café, Saugus March 6, 2012

Ron Lawrence called the meeting to order at 6:45pm. In attendance were Vlad Litt, Greg Langewisch, Evelyn Velie, Ron Lawrence, Janelle Williams, DJ Gervais, Greg Mazourek, Ron Strathmann, Akiko Strathmann, Connie Flores-Reisbeck, Frank Humelbaugh, Bill Webber, Heidi Webber, Shep Koss and Colleen Clough. A quorum was met.

Open Comments:

Ron asked about our feelings to move the venue from the Greenhouse Café to the clubhouse, and meet at 7pm. It was agreed that this might be a good change. This will be effective as of the April Business Meeting.

Old Business:

It was agreed that the upcoming vote for a bylaws change at the General Meeting be held by a show of hands. The requirement is still 2/3 of active members present will be able to vote.

Ron reiterated that all committee chairs need to send Heidi a description of their jobs for the procedure manual. It was noted that in the bylaws a description of all chairs' duties is required to be kept. A procedure manual will keep everything in one place.

Evelyn said the club still needs to buy a projector as use of her school projector has been terminated by administration.

New Business:

The Publicity Chair is open to anyone who would like to take this position. See Ron L.

The new Webmaster is Greg Mazourek

The Program Chair is Shep Koss

Akiko said she agrees the bylaws need some work and that a committee should be formed for changes to be made.

Shep said that the program for March will be Wire Wrapping by Greg M. and April's program will be on metal detectors by DJ and Janelle. Bill and Heidi offered to do a future program on rattlesnakes and how to avoid them.

Greg M. said the March 10 field trip is to Stoddard Wells. We will meet at 6:30am at Mammoth so as to be there by the 9am guided trip leaving from Stoddard Wells. He has sent out emails detailing this as the date is close and the newsletter won't be out before the event. He is also thinking of another trip for March, later on, probably the usual weekend after the General Meeting. He said that he is looking into a gold panning trip for April and a trip to Wiley's Well for geodes in May. Plans will be firmed up and announcements made to club members closer to the dates.

Janelle was authorized to research prices for 50-100 4" club patches and use her discretion to order them.

Greg M presented the treasurer's report, noting they bought pewter trains, rocks, etc. at Quartzite to restock the club supplies for our various fundraisers.

Brigitte will continue to send cards vs. email cards. We felt it was a bit more personal.

Shep wanted to make sure that everyone who wants it, receives the CFMS newsletter. It is also available on line at the CFMS website. He also asked if anyone wanted to be an alternate in case he can't make a meeting. Travel reimbursements are available, including lodging if necessary. If anyone is interested, see Shep and Ron L.

Ron L said that Bonnie is having knee surgery today, March 7, 2012. He has posted on Face Book that the surgery went well and they should be home today.

Frank Humelbaugh gave notebooks to any chairperson who wishes to keep a log of their activities as a guide to future chairpersons in that capacity.

Heidi said that at the March General Meeting she would like to get together a committee to work on a Procedure Manual. She has already made a draft/outline and wants membership to have a say in fleshing it out. The club doesn't have a manual and really needs one to spell out things that the bylaws don't cover or only mention, which

is the purpose of the manual. Once the manual is completed, each member will receive a copy. She hopes to have this done by the June meeting at the very latest.

Ron L. is requesting suggestions be sent to him regarding easier and more efficient running of the club. He knows that many members belong to other clubs and would like you to bring to him what works or doesn't work in their club.

The June Picnic and General Meeting will be held Sunday, June 10, 2012. Evelyn will be coordinating. The meeting was adjourned at 8:24pm.

The next Business Meeting will be held April 3, 2012 at the Greenbriar Estates Clubhouse at 7pm. **PLEASE** note the time and location changes.

Respectfully submitted, Heidi S. Webber, Secretary, SPRC

SPRC General Meeting

February 21, 2012 Greenbriar Estates Clubhouse

The meeting was called to order at 7:35pm. After the Pledge of Allegiance, Membership Chair Janelle Williams announced that there were 24 members and 7 visitors in attendance. At that time it was determined that we needed 16 votes to pass the proposed bylaws changes to take place that evening.

Ron reiterated that the club holds three different kinds of meetings and discussed the differences: Board of Directors with the 5 officers of the club, Business with the BOD, Chairpersons and any interested members in good standing and General Meetings with membership and guests.

Janelle introduced guests: Linda Simeone, Trina MacDonald, Omid Aeen, Dany Carol, Candice Jones, Phillip and Sarah DeVries.

The club welcomed new members Judd Figatner and Monica Travis.

Greg Langewisch discussed the upcoming trip to Soapstone Hill. He later announced the winners of the best rocks collected on the January trip to Boron: The winners of the Best Rock Contest-February 2012. Morgan Langewisch for Best Raw Rock and Vlad Litt/Greg Langewisch for Best Worked Rock. Thanks to everyone who brought a rock for the contest.

Shep Koss made a request for bylaw changes to Article Eleven: His proposal: The bylaws shall only be amended once a year. Amendments shall only be made through a committee. The president shall appoint at least three active members to the committee, who in turn shall solicit and consider all inputs from the general membership. The committee shall report their recommendation for amendments at a general meeting. These bylaws may be amended at a general meeting by a two-thirds (2/3) vote of the active membership present, provided a reading of the proposed amendment has been given at the previous general meeting and a copy of the proposed amendment has been mailed to each member household or a soft copy sent via e-mail at least 10 days before the meeting designated for the vote. The committee shall conduct the voting.

This proposal will be voted on at the March General Meeting.

Ron made the following announcement: "Under no circumstances will the club ever authorize or condone any form of personal background check."

Shep conducted his program on Opals while voting commenced.

The vote was announced:

Question #1: Newsletter name to be added to the bylaws: motion passed

Question #2: Shall the club remove Standing Rules from the bylaws: motion passed

Question #3: Amend Articles Eight and Nine regarding committees: motion failed

These changes are effective immediately. The ballots will be held for a period of one month and then destroyed.

The meeting was adjourned at 9pm.

Respectfully Submitted Heidi S. Webber Secretary, SPRC



Sierra Pelona Rock Club P.O. Box 221256 Newhall, Ca. 91322