



P. O. BOX 51  
SANTA ANA, CA. 92702



# SANTA ANA ROCK & MINERAL CLUB

## BOARD OF DIRECTORS

President	Trish Voss	949-631-2314
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Treasurer	Charlotte Spalding	714 531-4058
Parliamentarian	Jim DeMarco	714-963-3708

## COMMITTEE CHAIRMEN

Federation	Jim DeMarco	714-963-3708
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SARM EMAIL: sarmclub@gmail.com  
 WEB SITE: <http://www.sarmclub.org>  
 WEB MASTER: pam1.greene@gmail.com

WORK SHOP: At the Greene's (members only)  
 first full weekend of the month  
 9 am to noon  
 call Pam Greene at 949 548-0752  
 to request flexible times

## Santa Ana Rock & Mineral

P.O. Box 51  
 Santa Ana, CA 92702

## CLUB PURPOSE

The purpose of the Club is to offer an opportunity for those who are interested in rocks, minerals and fossils, to gather at regular meetings, display and examine items of interest in the hobby, to promote and also encourage the art and practice of lapidary, to exchange experiences and ideas, to organize field trips for members and guests, and to promote the general interest in and knowledge of the hobby.

MEETING: Visitors are welcome!  
 7:00 PM, 3rd Wednesday of the month  
 except July & December.

WHERE: 10739 Los Jardines West  
 Fountain Valley, Ca 92708

SARM is a member of CFMS  
 (California Federation of Mineralogical Societies)

For more information on shows and events check  
 out their web site at :<http://www.cfmsinc.org>



CLUB PUBLICATIONS: All items may be quoted unless otherwise noted, we only ask that credit be given and we'll do the same.

BARTER ADS: Free lines to members for trading items - as space permits.

## CLUB CALENDAR -SEPTEMBER, 2016

SEPT. 3 & 4 \*\*\* SATURDAY & SUNDAY \*\*\*  
 WORKSHOP 9:00 AM NOON

SEPT. 21 WEDNESDAY 7 PM  
 SILENT AUCTION  
 GENERAL MEETING  
 BOARD MEETS AT 5:30

OCT.. 1 & 2 \*\*\* SATURDAY & SUNDAY \*\*\*  
 WORKSHOP 9:00 AM NOON

OCT. 8-9 75th ANNUAL GEM-O-RAMA  
 Searles Lake Gem & Mineral Society

## FLEXIBLE WORKSHOP

If you want to use the workshop at times other than the scheduled days, call Pam or Don at (949) 548-0752 to see if we're going to be home. We're pretty flexible. Short notice is fine. If we'll be home you can use it.

Good, better, best. Never let it rest. 'Til your good is better  
 and your better is best.  
 - St. Jerome

There is only one corner of the universe you can be certain  
 of improving, and that's your own self.  
 Aldous Huxley

## THOUGHTFUL HUMOR

- A conscience is what hurts when all your other parts feel so good.
- A clear conscience is usually the sign of a bad memory.
- If you want the rainbow, you got to put up with the rain.
- All those who believe in psychokinesis, raise my hand.
- Why do psychics have to ask you for your name?
- I almost had a psychic girlfriend, ..... but she left me before we met.
- The early bird may get the worm, but the second mouse gets the cheese.
- How do you tell when you're out of invisible ink?
- If everything seems to be going well, you have obviously overlooked something.
- Depression is merely anger without enthusiasm.
- When everything is coming your way, you're in the wrong lane.
- Ambition is a poor excuse for not having enough sense to be lazy!
- Hard work pays off in the future; laziness pays off now.
- I intend to live forever.... so far, so good.
- If Barbie is so popular, why do you have to buy her friends?
- Eagles may soar, but weasels don't get sucked into jet engines.
- What happens if you get scared half to death twice?

Via [www.freemaninstitute.com](http://www.freemaninstitute.com)

## President's Message for September, 2016

I am looking forward to seeing everyone at our September meeting. Recently, I had the opportunity to visit with James Burke to see his collection of rock specimens and created jewelry pieces. I would like Jim to show us how he preserved and enhanced the appearance of some specimens. The end product was quite remarkable, and you will have the opportunity to witness this for yourself. There is so much creativity within the group membership; we are fortunate to be able to ask the question of how was the specimen enhanced. For our upcoming Silent Auction, I encourage everyone to bring a rock specimen that you found and wish to place in the Silent Auction. It is not the size of the rock that makes it special; it is the remarkable formations within it that draws the viewer. I have been gathering materials for the next Silent Auction, and I ask for your participation in helping us achieve a very successful Silent Auction.

Trish Voss



SANTA ANA ROCK AND MINERAL CLUB  
MINUTES OF THE GENERAL MEMBERS MEETING  
HELD ON AUGUST 17<sup>TH</sup>, 2016

Meeting called to order by President at 7:10pm with the Pledge of Allegiance led by Parliamentarian Jim De Marco. In Attendance; 19 members, 4 visitors and 1 new member: Welcome Connie Martin!

## CLUB BUSINESS:

HOSPITALITY: Officer Claudia Sanchez provided refreshments including fresh coffee, water and homemade cookies.

TREASURER'S REPORT: No July meeting so no new income or expenses to report.

FEDERATION: Officer Jim DeMarco reports; he will be unable to attend the Federation meeting in September. *If anyone wants to go in his place please contact him for more information.*

MINUTES: June minutes approved as printed in August newsletter.

WORKSHOP: No new news to report.

## NEW BUSINESS:

SHARE YOUR WARES: Our new name for 'Show & Crow'. Thank you Terry Walls for your suggestion that won the most votes! Member Carol Williams asked if anyone had seen her booth at the Faire, which some members had.

MESSAGE from President Trish Voss, that the Board will be looking for a new 'WEBMASTER'. If anyone is interested in this position or helping please contact her.

REPORT from Parliamentarian, who received a letter from a lady in Mission Viejo who had inherited some rocks. Member Mike Anglin visited her to see what she had. Sadly there was nothing the club could use, but he gave her some helpful ideas on what she could do.

PICNIC: There will be a picnic at Pam & Don Greene's house on August 27<sup>th</sup>, all welcome. Festivities start at 11:00! 7:20 break to socialize before activity.

ACTIVITY: At 7:35 the club welcomed tonight's speaker Walter Lombardo to talk about Birthstones. Walter taught us how gemstones as birthstones evolved from ancient times to what we see today. He talked to us about how they were used in jewelry and clothing from ancient Egypt and mentions in the Bible. How gemstones and meanings have changed through the years due to; supply and demand, superstition, and marketing ploys. The number 12 surviving from Apostles, Angels, Zodiac, Tribes of Israel to Months of Birth. He shared examples of each stone and their properties, composition, where they can be found and how they're used today.

Walter Lombardo is not only a member and recurring speaker he is a Geologist and store owner. His local store: Nevada Mineral & Book Company, has a wide selection of books, handcrafted jewelry and rare/unique gemstones and minerals. Located at: 342 S. Tustin St., Orange, CA 92866.

Walter generously donated not only being the 1<sup>st</sup> draw to win the door prize (allowing for a 2<sup>nd</sup> draw for winner) but his time and expertise as tonight's speaker to the club. In gratitude the Board awards him Membership for the rest of 2016 and all of 2017 as well as a small portion of the money he would have received for speaking. THANK YOU WALTER!

Opportunity drawing tickets sold 3 for \$1.00 from Treasurer, Charlotte Spalding and winners called at end of activity.

Door Prize: Several polished pieces of red African Jasper and case donated by Carl O'Dell –THANK YOU! Winner was Walter Lombardo who graciously donated back for second drawing. Ray Heslop won the prize!

Meeting adjourned at 9:00 pm.

Secretary, Leah Harden-O'Brien

## SHOP HINTS

When polished, black petrified wood has no resemblance to wood at all, It looks like a plain black polished stone. You can highlight some of the beautiful grain structure by bleaching it. Soak the cut and sanded pieces in household bleach for 2 to 4 weeks, replenishing the solution when needed. When the desired grain contrast has been obtained, remove the pieces and polish. Some extremely interesting pieces can be obtained by this method.

One way to clean quartz and amethyst crystals that does not involve dangerous acids is to cover them with fresh vinegar to remove the carbonates such as lime, barite and calcite. Allow them to stand overnight (or longer as needed) in the vinegar. Wash well, and then place the crystals in washing type ammonia for 8 to 12 hours. Remove, rinse and wipe dry.



## SAPPHIRE - BIRSTONE FOR SEPTEMBER

Sapphire, the September birthstone, is a variety of the gem species corundum and occurs in all colors of the rainbow. Pink, purple, green, orange, or yellow corundum are known by their color (pink sapphire, green sapphire). Ruby is the red variety of corundum.

Blue sapphires range from very light to very dark green-blue or violet-blue, as well as various shades of pure blue. The most prized colors are a medium to medium dark blue or slightly violet-blue, due to the presence of small amounts of titanium and iron within the crystal structure. The most valued shade of blue is the medium-deep cornflower blue. Other colors of sapphires, called fancy sapphires, are caused by different kinds of impurities within the crystal. For example, yellow sapphires get their color from ferric iron, and colorless gems have no contaminants.

The Logan Sapphire Brooch, the second largest sapphire known (at 422.99 carats), is on display at the National Museum of Natural History in Washington, D.C.

The biggest source of sapphires world-wide is Australia, especially New South Wales and Queensland. Found in alluvial deposits of weathered basalt, Australian sapphires typically are blue stones with a dark and inky appearance. Kashmir, in India, used to be a well-known source of the cornflower-blue stones. In the United States, a major source is the Yogo Gulch Mine in Montana that mostly yields small stones for industrial use.

The word sapphire has its roots in several ancient languages: the Arabic safir, the Latin sapphirus (meaning blue), and the Greek word sappheiros for the island of Sappherine in the Arabian Sea where sapphires were found in ancient Grecian times. Ancient Persians called sapphire the "Celestial Stone." It was the gem of Apollo, Greek God of prophesy and was worn by worshipers visiting his shrine in Delphi to seek his help. It was used by ancient Etruscans as far back as the 7th century B.C.

Sapphire has been popular since the Middle Ages and, according to folklore, will protect your loved ones from envy and harm. It was said to represent the purity of the soul. Medieval clergy wore sapphires to symbolize heaven, and as protection from impure thoughts and temptations of the flesh. Medieval kings of Europe valued these stones for rings and brooches, believing that it protected them from harm and envy. Warriors presented their young wives with sapphire necklaces so they would remain faithful. It was believed that the stone's color would darken if worn by an adulterer or adulteress, or by an unworthy person.

Sapphires were once believed to be protection against snakes. It was said that if poisonous reptiles and spiders were placed in a jar containing the stone, the creatures would immediately die. The French of the 13th century believed that sapphire transformed stupidity to wisdom, and irritability to good temper.

Via the internet - primarily EarthSky



Logan Sapphire Brooch  
Image Credit: Andrew Bossi

## ST. EDWARD'S SAPPHIRE



Queen Victoria's Crown

One of the most famous sapphires is an octagonal, rose-cut sapphire that rests on the Imperial State Crown, worn by Queen Victoria in 1838. It resides in the British Crown Jewels in the Tower of London.

Its history stretches further back in time than any other gemstone in the royal collection. The stone is thought to have been in the coronation ring of Edward the Confessor, known later as St Edward, who ascended the throne of England in 1042, twenty-four years before the Norman conquest. Edward, one of the last Anglo-Saxon kings of England, was buried with the ring at Westminster Abbey in 1066. It was reputedly taken from the ring when Edward's body was re-interred at Westminster Abbey in 1163.

How the gem survived the English Civil War in the 17th century is not clear, but it was most likely re-cut into its present form for Charles II after the restoration of the monarchy.

St. Edward's Sapphire from the top of the Imperial State Crown. The four large drop-shaped pearls are said to have been the earrings of Elizabeth I



Queen Victoria added the jewel to the Imperial State Crown, giving it a leading role in the centre of the cross at the top of the crown, where it remains today in the similar crown worn by Queen Elizabeth II.

St Edward's Sapphire is on public display with the other Crown Jewels in the Jewel House at the Tower of London.

Via the internet Wikipedia



Sept. 6	John Pape
Sept. 12	George Robidoux
Sept. 14	Valerie Curry
Sept. 15	Majesta Vaughn
Sept. 25	Brigitte Mulholland
Sept. 28	James Burke
Sept. 29	Christy Day
Sept. 30	Victor Graywolf

**GENERAL MEETING**

Wednesday, September 21, 2015

Our program for the evening will be a Silent Auction. We plan on having a lot of new material. I know I've been doing some house (yard) cleaning and found lots of items I forgot I had. Many of those items will be on the auction table this month. Other members have told me they're also bringing some special items so I'm looking forward to seeing what shows up.

This is one of our most requested programs. Anyone can bring something to put on the auction tables. If you have some rocks, or rock related items you'd like to donate for the auction, (or even some non rock related items that you think someone would like) remember to bring them. We always have a lot of fun at these auctions, and your contributions will make it even better. It's a great opportunity to get some wonderful specimens at a fantastic price, while helping the club at the same time.

Bidding starts at 25 cents and goes up by 25 cents or more. Check your bids often, because someone will put a bid on top of yours!! When the timer rings, check the items you bid on, and if your name is the last on the list get the item and bid sheet, and see the club treasurer.

We often have visitors for the Silent Auction so remember to greet strangers and make them feel welcome. We want to make a good first impression.

**MOHS HARDNESS SCALE**

One of the most important tests for identifying mineral specimens is the Mohs Hardness Test. This test compares the resistance of a mineral to being scratched by ten reference minerals known as the Mohs Hardness Scale. The test is useful because most specimens of a given mineral are very close to the same hardness. This makes hardness a reliable diagnostic property for most minerals.

Friedrich Mohs, a German mineralogist, developed the scale in 1812. He selected ten minerals of distinctly different hardness that ranged from a very soft mineral (talc) to a very hard mineral (diamond). With the exception of diamond, the minerals are all relatively common and easy or inexpensive to obtain.

**SCRATCH TEST**

common objects are used as tools to perform the hardness test

- fingernail (hardness = 2.5)
- copper penny (hardness = 3)
- glass plate or steel knife (hardness = 5.5)
- steel file (hardness = 6.5)

Using the above testing tools, you should be able to determine the Mohs Hardness of an unknown mineral to the nearest half number on the scale.

Mohs Hardness Scale	
Mineral	Hardness
<a href="#">Talc</a>	1
<a href="#">Gypsum</a>	2
<a href="#">Calcite</a>	3
<a href="#">Fluorite</a>	4
<a href="#">Apatite</a>	5
<a href="#">Orthoclase</a>	6
<a href="#">Quartz</a>	7
<a href="#">Topaz</a>	8
<a href="#">Corundum</a>	9
<a href="#">Diamond</a>	10

**SARM PICNIC**

We had a small turnout for the club picnic. It was unfortunate that we picked a date for the picnic when many of our members were out of town. Ray and Terri Walls, Mike Anglin, Trish Voss, Carol and Doug Williams, and Pam and Don Greene were the only members to show up. Carol and Doug brought two guests Linda and Albert Kodama. The photographer (me) was not very good about taking pictures of everyone who attended, Terri & Ray Walls left before I thought about pictures but here's what I have.



Doug Williams & Don Greene



Doug Williams, Linda Kodama



Mike Anglin and Trish Voss



## UPCOMING CLUB SHOWS & EVENTS

September 16 - 18: PLACERVILLE, CA  
77th CFMS Show & Convention  
El Dorado County Mineral & Gem Society  
El Dorado County Fairgrounds  
100 Placerville Drive  
Hours: Fri - Sun 10 - 5 daily



September 17 - 18: CHICO, CA  
Feather River Lapidary & Mineral Society, Oroville  
Silver Dollar Fairgrounds  
2357 Fair Street  
Hours: Sat 9:30 - 5; Sun 9:30 - 4

September 24 - 25: LODI, CA  
Stockton Lapidary & Mineral Club  
Lodi Grape & Harvest Festival Grounds  
413 East Lockford Street  
Hours: 10 - 5 daily



September 24 - 25: MONTEREY, CA  
Carmel Valley Gem & Mineral Society  
Monterey Fairgrounds  
2004 Fairgrounds Road  
Hours: Sat 10 - 6; Sun 10 - 5

September 24 - 25: REDWOOD CITY, CA  
Sequoia Gem & Mineral Society  
Community Activities Building  
1400 Roosevelt Avenue  
Hours: 10 - 5 daily



September 24 - 25: SANTA ROSA, CA  
Santa Rosa Mineral & Gem Society  
Wells Fargo Center for the Art  
50 Mark West Springs Road  
Hours: Sat 10 - 6; Sun 10 - 5

October 1 - 2: BORON, CA  
Mojave Mineralogical Society  
Boron Recreation Park  
26998 John Street  
Hours: Sat 9 - 5; Sun 9 - 4



October 1 - 2: VISTA, CA  
Vista Gem & Mineral Society  
Antique Gas & Steam Engine Museum  
2040 North Santa Fe Avenue  
Hours: Sat 10 - 5; Sun 10 - 4



October 8 - 9: ANDERSON, CA  
Shasta Gem & Mineral Society  
Shasta District Fairgrounds  
1890 Briggs Street  
Hours: Sat. 9 - 5; Sun. 10 - 4

October 8 - 9: GRASS VALLEY, CA  
Nevada County Gem & Mineral Society  
Nevada County Fairgrounds (Main Building)  
11228 McCourtney Road  
Hours: 10 - 5 daily

October 8 - 9: TRONA, CA  
Searles Lake Gem & Mineral Society  
SLGM Show Building  
13337 Main Street  
Hours: Sat 7 - 5; Sun 7 - 4

October 9: FALLBROOK, CA  
Fallbrook Gem & Mineral Society  
Fallbrook Gem & Mineral Building  
123 West Alvarado Street  
Hours: 9 - 4

October 15: WEST HILLS, CA  
Woodland Hills Rock Chippers  
First United Methodist Church  
22700 Sherman Way  
Hours: 10 - 5

October 15 - 16: WHITTIER, CA  
Whittier Gem & Mineral Society  
Whittier Community Center  
7630 Washington Avenue  
Hours: 10 - 5 daily

October 22 - 23: LOS ALTOS, CA  
Peninsula Gem & Geology Society  
Los Altos Youth Center  
One No. San Antonio Road  
Hours: 10 - 5 daily

