



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



SANTA ANA ROCK & MINERAL CLUB

BOARD OF DIRECTORS

President	Trish Voss	949-631-2314
Vice President	Jonathan Magallon	714-887-9513
Secretary	Leah Harden-O'Brien	714-963-3708
Treasurer	Charlotte Spalding	714 531-4058
Parliamentarian	Jim DeMarco	714-963-3708

COMMITTEE CHAIRMEN

Federation	Jim DeMarco	714-963-3708
Field Trip	Mike Anglin	949-348-0808
Hospitality		
Membership	Pam Greene	949 548-0752
Program	Jonathan Magallon	714-887-9513
Property/shop	Don Greene	949 548-0752
Editor	Pam Greene	949 548-0752
	Email: Pam1.greene@gmail.com	

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](http://www.cfmsinc.org)



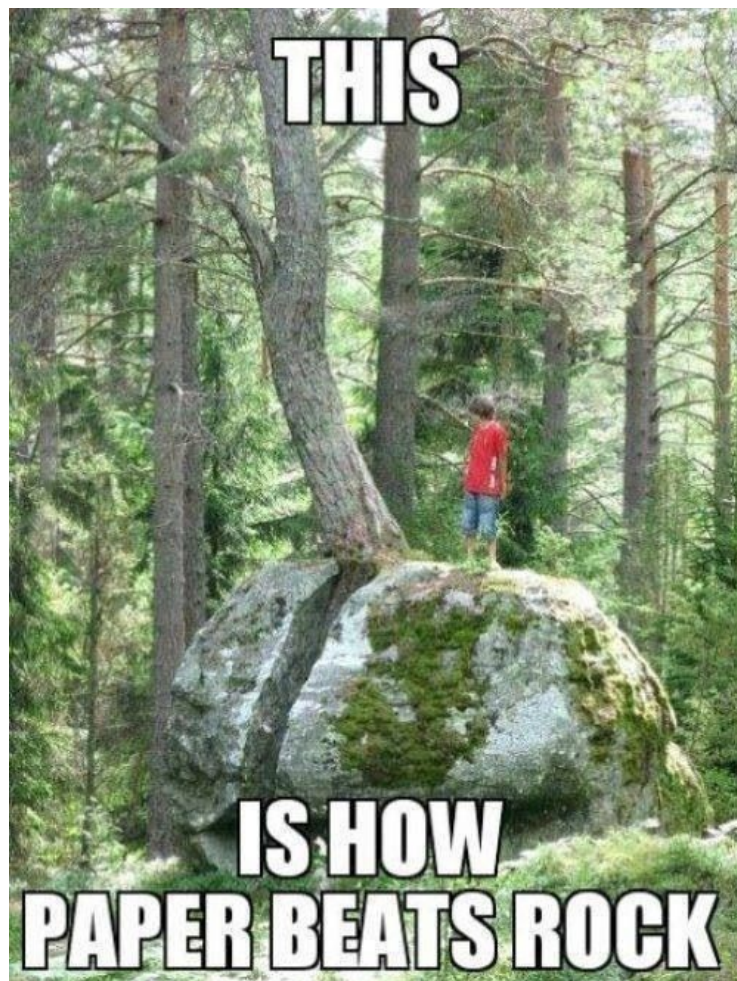
CLUB PUBLICATIONS: All items may be quoted unless
 otherwise noted, we only ask that credit be given and we'll do
 the same.

CLUB CALENDAR -FEBRUARY 2016

FEB.	6	*** SATURDAY ONLY *** WORKSHOP 9:00 AM NOON CLOSED SUNDAY FOR SUPERBOWL
FEB.	17	WEDNESDAY 7 PM GENERAL MEETING SILENT AUCTION
MAR.	5 & 6	*** SATURDAY & SUNDAY *** WORKSHOP 9:00 AM NOON
MAR.	11-13	ROCKEHOUD TAILGATE STODDARD WELLS MORE INFO IN MARCH NEWSLETTER
MAR..	16	WEDNESDAY 7 PM GENERAL MEETING

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.



President's message for February, 2016

Our January 20th meeting brought us together in celebration of a New Year. Parliamentarian-James De Marco opened our meeting with the Pledge of Allegiance to the flag. New board members were introduced, Treasurer - Charlotte Spalding presented the treasurer's report and Vice President - Jonathan Magallon gave us an overview of what was to come in 2016. There will be three silent auctions, February, September and a pre holiday silent auction in November.

Please bring items for the February silent auction on February 17th. Our silent auctions and the opportunity drawings are our major means of income other than dues. It will give our wonderful Treasurer-Charlotte Spalding great peace of mind with very successful silent auctions and opportunity drawings. I wish to welcome our visitors and new members as well as thank our club members for sharing their talents with us. Carol Williams suggested that members consider entering their designs in the July, Orange County Fair; please see Carol for more details.



Patricia Voss - President Patricia Voss - President

GENERAL MEETING

Wednesday, February 17, 2016

Our program for the evening will be a Silent Auction. 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 collect your items and bid sheets, 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.

SARM CLUB MINUTES
JANUARY 20TH 2016

Meeting called to order with the Pledge of Allegiance led by Parliamentarian, Jim DeMarco at 7:15pm with 19 members and 3 visitors in attendance. Members approved Minutes of November meeting as printed in December newsletter. Meeting started with the introduction of new Officers and thanking the previous Officers for 2015. Members also welcomed new visitors who introduced themselves; John Pape and Grace Pape. Club welcomes new member Bruce Levine!

CLUB BUSINESS:

DECEMBER: No meeting, no Minutes to approve. Members Christmas party at Marie Calendar's reported much fun for all. Gifts for Green Valley HOA as a thank you for use of the clubhouse for 2015 were supplied by Claudia Sanchez and Jim DeMarco and reported well received. A continuation of clubhouse use by HOA granted for 2016 for every 3rd wed of the month without cost to club.

TREASURER'S REPORT: No spending for December and took in \$529. An additional \$2.50 each in gratuity and additional tax were not calculated into final cost of Christmas party, Chairman covered the cost and club will reimburse. Bills and club dues will be paid this month with an account balance given to members at next meeting. Reminder for Members to pay their membership fees.

MEETING ACTIVITIES: An outline of upcoming 2016 club activities was given by V.P., Jonathan Magallon.

FIELD TRIPS: Jim DeMarco reported we are now coordinating with The Searchers to combine our outings.

FEDERATION: Officer Jim DeMarco reports; CFMS (California Federation of Mineralogical Society) upcoming show & convention 'Strike Gold' September 16th -18th at the El Dorado Co. Fairgrounds, Placerville, CA.

HOSPITALITY: Officer Claudia Sanchez asks for any requests and allergies please let her know so refreshments can be enjoyed by all.

NEW BUSINESS:

SPECIAL MEMBER EXTRA'S: Limited available: SARM stitched patches for \$3.00 and 'Rock Hound' stickers for \$1.50.

RAFFLE: Another great turn out of donations from Members for prizes. **Thank you Members!** Jim Burke sold raffle tickets 3 for \$1. Our new Member Bruce Levine won the Door Prize Raffle!

SHOW & CROW: Carol Williams offered to show members how to enter handmade items to O.C. Fair. Bruce Levine showed his newly made smoky quartz pendant.

Meeting took 15 minute recess to enjoy refreshments and socialize before club activity.

ACTIVITY: A Spirit Science Video was shown. Giving educational new insights to the powers and care of a variety of different crystals.

Meeting adjourned at 8:45pm.

Leah Harden-o'Brien, Recording Secretary

LAPIDARY TIP

Too many cabs; or the odd shaped one that doesn't fit anything, and you don't want to do a silver finding around it? Try gluing small magnets to the backs and using them to hold notes on the refrigerator door, metal bulletin boards, etc., and at the same time display your beautiful stones. Food for a small gift item.

FEBRUARY'S BIRTHSTONE - AMETHYST

Amethysts contain the second most abundant mineral found in Earth's crust – quartz. Quartz is often found lining the insides of geodes. So it's no wonder that geodes sometimes contain amethysts, too. Like quartz, amethysts are a transparent form of silicon dioxide (SiO₂). An amethyst's color can range from a faint mauve to a rich purple. It's not clear why they're purple. Some scientists believe the purple color arises from the amethysts' iron oxide content, while others attribute the color to manganese or hydrocarbons. Perhaps either, or both together.

Commercial sources of amethyst are Brazil and Uruguay. In the U.S. most amethyst is found in Arizona and North Carolina.

Amethysts are very sensitive to heat. When heated to 400 or 500 degrees Celsius, an amethyst's color changes to a brownish-yellow or red. Under some circumstances, the stones can turn green when heated. Heat may even transform an amethyst into a naturally-rare mineral called citrine. And even without heating, the violet color of an amethyst may fade over time.

The amethyst has a rich history of lore and legend. It can be traced back as far as 25,000 years ago in France, where it was used as a decorative stone by prehistoric humans. It has also been found among the remains of Neolithic man.

It's said that the signet ring worn by Cleopatra was an amethyst, engraved with the figure of Mithras, a Persian deity symbolizing the Divine Idea, Source of Light and Life. It is also said to be the stone of Saint Valentine, who wore an amethyst engraved with the figure of his assistant, Cupid. Saint Valentine's Day is still observed in February.

The word amethyst comes from the Greek word "amethystos" meaning "not drunk," and was believed to prevent its wearers from intoxication. The following is a story from Greco-Roman mythology, as quoted from Birthstones by Willard Heaps:

Bacchus, the god of wine in classical mythology, was offended by Diana the huntress. Determined on revenge, he declared that the first person he met as he went through the forest would be eaten by his tigers. As it happened, the first person to cross his path was the beautiful maiden Amethyst on her way to worship at the shrine of Diana. In terror, she called upon the goddess to save her, and before his eyes, Bacchus observed the maiden changed to a pure white, sparkling image of stone. Realizing his guilt and repenting his cruelty, Bacchus poured grape wine over her, thus giving the stone the exquisite violet hue of the amethyst. The carryover to non-intoxication was quite logical, and in ancient Rome, amethyst cups were used for wine, so drinkers would have no fear of overindulgence.



The early Egyptians believed that the amethyst possessed good powers, and placed the stones in the tombs of pharaohs. During the Middle Ages, it was used as medication, believed to dispel sleep, sharpen intellect, and protect the wearer from sorcery. It was also believed to bring victory in battle. In Arabian mythology, the amethyst was supposed to protect the wearer from bad dreams and gout.

From Earthsky, via the internet

HAPPY BIRTHDAY



Feb. 22 Roger Di Paolo
Feb. 28 Charlotte Spalding



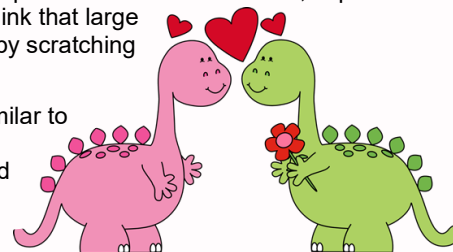
DIOSAUR COURTSHIP

Dinosaurs might not have been lonely in love, according to new research published in Scientific Reports. Scientists recently discovered the first tangible evidence that dinosaurs engaged in courtship behaviors: parallel scrape marks up to about 1.8 meters long and 40 centimeters deep that were gouged in the ground during the Cretaceous. "

Because modern birds are thought to be descendants of a subgroup of theropod dinosaurs, scientists have suspected that theropods may have displayed mating behaviors similar to those of their avian cousins. But since most courtship behaviors, like certain vocalizations and ritual "dances", don't leave tangible evidence preserved in the rock record, the existence of such behaviors in dinosaurs has, until now, merely been the subject of academic speculation. Based on comparisons with modern birds, especially ground-nesting species like Spoonbilled sandpipers and plovers, the researchers think that large theropod dinosaurs, the group to which Tyrannosaurus rex belongs, created the gouges by scratching the ground during so-called "nest scrape displays."

The scrapes are "a very strong piece of evidence that theropod dinosaur behavior was similar to certain modern birds," Lockley says. "What we recognize as avian behavior goes back at least 100 million years." The scrapes may have been made by groups of males assembled together during mating seasons to engage in competitive displays aimed at attracting female attention. Such behavior is common among birds, which often display a frenzy of excitement prior to mating as part of their breeding cycle. Dinosaurs might have been the "original lovebirds," he jokes.

Via www.earthmagazine.org



*Happy
Valentines Day*

UPCOMING CLUB SHOWS & EVENTS

February 12 - 21: INDIO, CA
 San Geronio Mineral & Gem Society
 Riverside County Fair & National Date Festival
 82-503 Highway 111
 Hours: 10 - 10 daily



February 20 - 21: ANTIOCH, CA
 Antioch Gem Club
 Contra Costa County Fairgrounds
 1201 West 10th Street
 Hours: 10 - 5 daily

February 27 - 28: VALLEJO, CA
 Vallejo Gem & Mineral Society
 Solano County Fairgrounds, Mc Cormack Hall
 900 Fairgrounds Drive
 Hours: 10 - 5 daily

March 4 - 6: NEWARK, CA
 Mineral & Gem Society of Castro Valley
 Newark Pavilion
 6430 Thornton Avenue
 Hours: Fri & Sat 10 - 6; Sun 10 - 5

March 5 - 6: ARCADIA, CA
 Monrovia Rockhounds
 Los Angeles Arboretum-Ayres Hall
 301 Baldwin Avenue
 Hours: 9:00 - 4:30 daily



March 5 - 6: VENTURA, CA
 Ventura Gem & Mineral Society
 Ventura County Fairgrounds
 10 West Harbor Blvd.
 Hours: Sat 10 - 5; Sun 10 - 4



March 12 - 13: SAN MARINO, CA
 Pasadena Lapidary Society
 San Marino Masonic Center
 3130 Huntington Drive
 Hours: Sat 10 - 6, Sun 10 - 5

March 12 - 13: SPRECKELS, CA,
 Spreckel's Veterans Hall
 5th & Llano Streets
 Hours: 10 - 5 daily

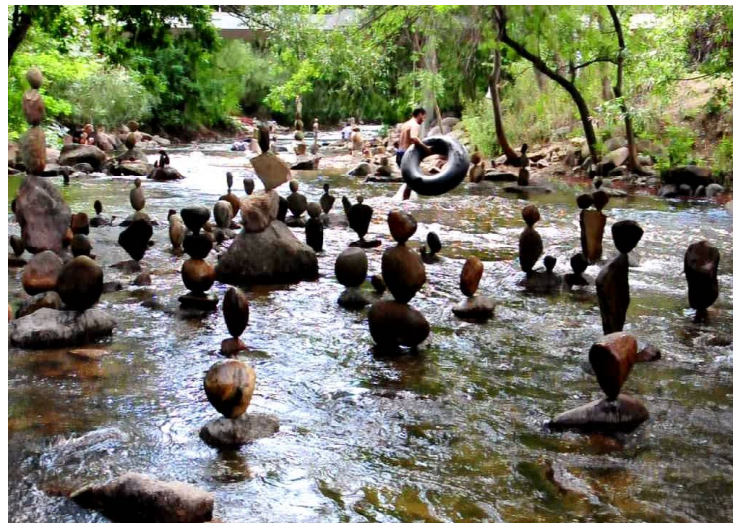
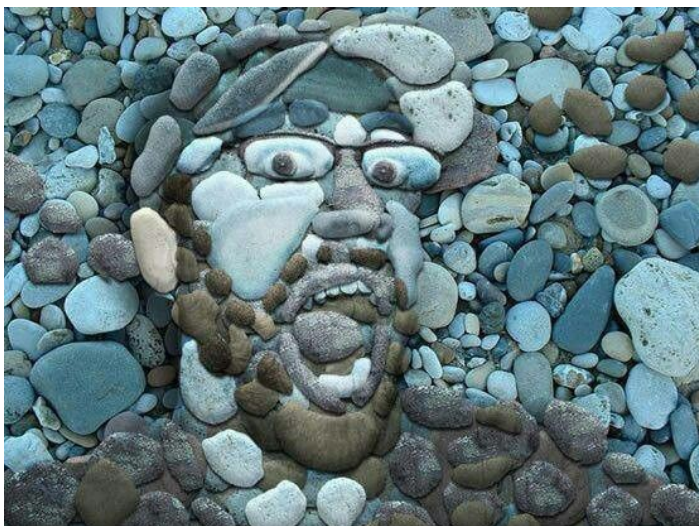
March 12 - 13: TURLOCK, CA
 Mother Lode Mineral Society, Modesto
 Stanislaus County Fairgrounds
 900 North Broadway
 Hours: 10 - 5 daily

March 19 - 20: LEMOORE, CA
 Lemoore Gem & Mineral Society
 Lemoore Trinity Hall
 470 Champion Street
 Hours: Sat 10 - 6; Sun 10 - 4



March 26 - 27: ANGELS CAMP, CA
 Calaveras Gem & Mineral Society
 Calaveras County Fairgrounds
 101 Frogtown Road
 Hours: Sat 10 - 5; Sun 10 - 4

March 26- 27: ROSEVILLE, CA
 Roseville Rock Rollers Gem & Mineral Society
 Placer County Fairgrounds
 800 All American Blvd (off Washington)
 Hours: Sat 10 - 5; Sun 10 - 4



TUCSON SHOW SCHEDULE FOR 2016

Jan. 22 - Feb. 15	Madagascar Minerals Gem Show 201 W. Lester St
Jan. 28 - Feb. 14	22nd Street Mineral, Fossil & Gem Show NW corner of 22nd St. and I-10
Jan. 28 - Feb. 8	JOGS Gem & Jewelry Show Tucson Expo Center 3750 E. Irvington Rd.
Jan. 28 - Feb. 10	Silk Road Gem & Jewelry Show Grand Luxe Hotel, 1365 W. Grant Rd. at I-10
Jan. 29 - Feb. 13	Globex Gem & Mineral Show Days Inn, 222 S. Freeway Rd.
Jan. 29 - Feb. 13	Howard Johnson Gem & Mineral Show 1010 S. Freeway Rd.
Jan. 29 - Feb. 13	Quality Inn Gem & Mineral Show 750 W. Starr Pass Blvd
Jan. 29 - Feb. 14	Granada Ave. Mineral Show 350 N. Granada at St. Marys
Jan. 29 - Feb. 14	Mike Jacob Sports Park - Miners Co-op Rock Show 6901 N. Casa Grande Highway Marana, AZ 85653
Jan. 29 - Feb. 10	Pueblo Gem & Mineral Show Riverpark Inn, 350 S. Freeway
Jan. 29 - Feb. 14	Tucson Showplace 1530 S. Freeway Ave
Jan. 30 - Feb. 13	Arizona Mineral & Fossil Show 475 N. Granada Ave. at St. Marys
Jan. 30 - Feb. 13	Arizona Mineral & Fossil Show Ramada Inn, 665 N. Freeway Ave
Jan. 30 - Feb. 13	Arizona Mineral & Fossil Show and Marketplace 1333 N. Oracle R
Jan. 30 - Feb. 7	International Gem & Jewelry Show Clarion Palo Verde 4550 S. Palo Verde Rd
Jan. 30 - Feb. 14	JG&M Expo - Michigan St. 3300 Michigan St. next to Holidome

Jan. 30 - Feb. 14	JG&M Expo - Simpson St .601 W. Simpson St.
Jan. 30 - Feb. 14	Kino Gem & Mineral Show Kino Sports Complex, 2500 E. Ajo Way
Jan. 30 - Feb. 14	Mineral & Fossil Co-op 1635 N. Oracle Rd.
Jan. 30 - Feb. 15	Rapa River Gem & Mineral Show 292 S. Freeway Ave.
Jan. 30 - Feb. 14	The Rock Show Kino Sports Complex, 2500 E. Ajo Way
Jan. 31 - Feb. 15	American Indian Exposition Flamingo Hotel 1300 N. Stone Ave.
Jan. 31 - Feb. 16	Executive Inn Mineral & Fossil Shows Fortuna Inn Suites
Jan. 31 - Feb. 13	Fine Minerals International 450 N. Granada at St. Marys
Jan. 31 - Feb. 14	KOA Gem & Mineral Show Tucson Lazy Days KOA 5151 S. Country Club Rd.
Jan. 31 - Feb. 2	Oracle Road Just Mineral Event Elks Lodge 385 1800 N. Oracle Rd
Jan. 31 - Feb. 14	Main Ave. Gem Show 1202 N. Main Ave. at Drachman
Jan. 31 - Feb. 8	To Bead True Blue Doubletree Hotel, 445 S. Alvernon Way
Feb. 1-3	Tucson Store Fixtures Fine Mineral Whole- sale Show Tucson Store Fixture Company 500 W. Grant Rd.
Feb. 2-6	Tucson Glass Art & Bead Festival Quality Inn & Suites Airport North 5251 S. Julian Dr
Feb. 5-8	Westward Look Mineral Show Westward Look Resort, 245 E. Ina Rd
Feb. 11-14	Tucson Gem & Mineral Show Tucson Convention Center 260 S. Church Ave
Feb. 12-14	Tucson Gem & Jam Festival 1102 W. Grant Rd.

