



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

JANUARY 2016



# SANTA ANA ROCK & MINERAL CLUB

## BOARD OF DIRECTORS

President	Trish Voss	949-631-2314
Vice President	Jonathon Magallon	714-887-9513
Secretary	Leah Hardin-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	Jonathon 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>



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 – DECEMBER, 2015

JAN.	2 & 3	*** SATURDAY & SUNDAY *** WORKSHOP 9:00 AM NOON
JAN.	13	WEDNESDAY 7 PM BOARD MEETING AT JAMES DEMARCO'S
JAN.	20	WEDNESDAY 7 PM GENERAL MEETING
FEB.	6 & 7	*** SATURDAY & SUNDAY *** WORKSHOP 9:00 AM NOON
FEB.	17	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.

## NEW YEAR HUMOR

### A New Year Prayer For the Elderly

God, grant me the senility to forget the people I never liked anyway,  
 The good fortune to run into the ones that I do,  
 And the eyesight to tell the difference.

### A New Year's Wish

On New Year's Eve, Marilyn stood up in the local pub and said that it was time to get ready. At the stroke of midnight, she wanted every husband to be standing next to the one person who made his life worth living. Well, it was kind of embarrassing. As the clock struck - the bartender was almost crushed to death.

### Politician in Action

A Senator in the USA was once asked about his attitude toward whisky. 'If you mean the demon drink that poisons the mind, pollutes the body, desecrates family life, and inflames sinners, then I'm against it. But if you mean the elixir of a New Year toast, the shield against winter chill, the taxable potion that puts needed funds into public coffers to comfort little crippled children, then I'm for it. This is my position, and I will not compromise.'

### New Year's Day Quotes

New Year's Day: Now is the accepted time to make your regular annual good resolutions. Next week you can begin paving the way to hell with them as usual. Mark Twain

Via the internet: [http://www.guy-sports.com/humor/christmas/new\\_year.htm#New\\_Year\\_Prayer\\_for\\_the\\_Elderly\\_\\_](http://www.guy-sports.com/humor/christmas/new_year.htm#New_Year_Prayer_for_the_Elderly__)

## President's message for January, 2016

I look forward to working with our newly elected Board: Vice President - Johathan Magallon, Treasurer-Charlotte Spalding, Recording Secretary-Leah Hardin-O'Brien and Pam and Don Greene.

Jim has been a wonderful President and the members of his Board have made outstanding contributions to the club. Jim, you will be a hard act to follow, and I am so pleased that your expertise and advice will be available to us. All the members who have given so much of their time and contributions to the club will be recognized at our first club meeting in 2016.

On January 13th at 7:00 PM, our first Board Meeting will be at the home of Jim De Marco, 10928 El Cid Avenue, Fountain Valley. This meeting is for all Board Members which includes the Club Officers and all Committee Chairs. Anyone else who is interested is also welcome to attend. This is an important meeting since we will be setting the agenda and club events for the first six months of 2016.

May your Christmas be filled with joy and the New Year filled with "many new rock and mineral adventures".



Patricia Voss - President

## Bench Tips by Brad Smith

## MODIFYING PLIERS

Sometimes a few changes to your tools can significantly improve productivity and quality at the same time. Stock tools can be customized and improved using standard jewelry skills. Here's an example:

Making jump rings and weaving them into chainmail designs involves a lot of opening and closing of the rings. I typically use two square jaw pliers to do this, one for each hand. But sometimes the rings would slip out of the pliers, getting scratched, and requiring extra cleanup time. I solved the problem by forming a groove at the end of the jaw that would grasp the ring gently without scratching it. Use a triangular file or cutoff disk to cut the grooves about 1.5 mm back from the tip. Then to make the grooves round so they grasp the wire without distorting it, close the jaws and run a drill through the opening formed by the two rough grooves. Start with a small drill and follow up with a drill just slightly smaller than the wire size you want to grip. In my case that was 14 gauge wire, so I chose a #53 drill. Finally, polish the grooves with a rubberized disk.

*More BenchTips by Brad Smith are at FaceBook  
facebook.com/BenchTips or at groups.yahoo.com/group/*

## UPCOMING SHOWS &amp; EVENTS

## CLUB SHOWS

January 16 - 17: EXETER, CA  
Tule Gem & Mineral Society, Visalia  
Exeter Veterans' Memorial Building  
324 N. Kaweah Avenue  
Hours: Sat 10 - 5; Sun 10 - 4

February 12 - 21: INDIO, CA  
San Gorgonio 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



## QUARTZSITE SHOW SCHEDULE

## 2015 - 2016

Quartzsite Market Place Street Fair  
Tyson Wells Market Center Swapmeet  
Desert Gardens -Gem & Mineral  
Prospectors Panorama  
QIA Pow Wow - Gems, minerals & jewelry  
Tyson Wells Rock & Gem Show  
Tyson Wells Sell-A-Rama  
Tyson Wells Arts and Crafts  
Sports, Vacation & RV Show  
Quartzsite Quilt Show - Quartzsite SR Center  
Quartzsite Gold Show  
Desert Bloom ATV Rally

Oct. 31, thru Mar. 1, 2016  
Oct 01, thru Mar. 31, 2016  
Jan. 01 - Feb. 28, 2016  
Jan. 02 - Jan. 15, 2016  
Jan. 20 - Jan. 24, 2016  
Jan. 01 - Jan. 10, 2016  
Jan. 15 - Jan. 24, 2016  
Jan. 29 - Feb. 7, 2016  
Jan. 16 - Jan. 24, 2016  
TBA  
Feb. 12-14, 2016 QIA building. Friday - Saturday 9-4  
Feb. 11-14, 2016

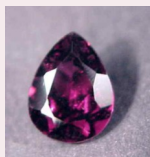


## THE GEMSTONE GARNET

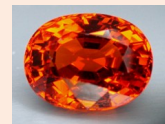
Garnet is the birthstone for those who are born in January. The name "garnet" comes from the Latin granatus ("grain"), possibly a reference to the malum granatum ("pomegranate"), a plant with red seeds similar in shape, size, and color to some garnet crystals. Garnets come in a variety of colors, the most widely-known color of Garnet gemstones is dark red. When the term "Garnet" is used, it is usually connotative of the dark red form; other color Garnets are usually given more descriptive gemstone terms.

Garnet is not a single mineral, but describes a group of several closely related minerals. All species of garnets possess similar physical properties and crystal forms, but differ in chemical composition. The different species are almandine, andradite, pyrope, spessartine, uvarovite, and grossular (varieties of which are hessonite or cinnamon-stone and tsavorite),

**Almandine**, an iron alumina garnet, of deep red color, inclining to purple is the most common. Garnet. It is frequently cut as a cabochon, and is then known as carbuncle. Almandine garnet colors can range from pure red, reddish-orange and slightly purplish-red to dark, brownish-red. The unique deep red color of almandine is a direct result from the presence of iron.



**Spessartine**, like other garnets, forms rounded crystals with 12 rhombic or 24 trapezoidal faces or combinations of these and some other forms. This crystal habit is classic for the garnet minerals. Spessartine is formed in manganese rich metamorphic environments and in some granitic pegmatites. Spessartine is somewhat rare but occasionally will accompany other minerals and make a nice accessory mineral to an outstanding mineral specimen. Color is orange, reddish brown, brown, pink and yellow.



**Andradite** is the calcium iron garnet and forms in contact or regional metamorphic environments as does grossular, the calcium aluminum garnet. It is believed that these garnets form from the metamorphism of impure siliceous limestones. Andradite has many varieties based on color: Melanite is the black variety -Demantoid is the bright green variety and is sometimes cut as a gem - Topazolite is the yellow variety and is also occasionally cut as a gem.



**Uvarovite** is the only consistently green garnet and has a beautiful emerald-green color. As with the other calcium garnets (andradite and grossular), uvarovite is formed from the metamorphism of impure siliceous limestones and some other rocks that contain chromium. Mineral specimens of uvarovite are much sought after by collectors for outstanding brilliance and color.



**Pyrope** is the only member of the garnet family to always display red coloration in natural samples, and it is from this characteristic that it gets its name: from the Greek for *fire* and *eye*. Despite being less common than most garnets, it is a widely used gemstone with numerous alternative names, some of which are misnomers. Misnomers include *Colorado ruby*, *Arizona ruby*, *California ruby*, *Rocky Mountain ruby*, *Elie Ruby*, *Bohemian carbuncle*, and *Cape ruby*.



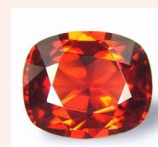
**Grossular** is the calcium aluminum garnet and forms in contact or regional metamorphic environments as does andradite the calcium iron garnet. It is believed that these garnets form from the metamorphism of impure siliceous limestones. Grossular has many color possibilities and is probably the most colorful of the garnets.

The orange variety is the most common and specimens of orange grossular crusts are prized by many collectors.

Hessonite is a red variety of grossular and is also sometimes used as a gem.



Grossular var.  
Hessonite or  
cinnamon  
stone



The green variety is called tsavorite and is occasionally cut as a gem.



Grossular var.  
Tsavorite

## HAPPY BIRTHDAY



Jan. 20 Jeff Vaughn  
Jan. 21 Carole Heslop  
Jan. 31 Walter Lombardo  
UNKNOWN BIRTHDAYS  
Suzanne Boston  
Lisa Floyd  
Todd Schowalter  
Harold Spalding