

# Canaveral Moonstone



## Presidents Corner

I hope all are enjoying our start of Spring weather!! It is a wonderous time of year!

At our March meeting we will have our drawing for two of our members to win a scholarship to the 2018 SFMS workshops. William Holland will be June 10-16 and Wild Acres will be August 20-26 and September 17-23. Particulars are available at [sfmsworkshops.com](http://sfmsworkshops.com).

As we have in the past, we will draw two names as winners followed by two names as backups if the lucky winners are not able to attend. (The scholarship reimburses you for the Room-board-class charge but not for travel costs or for added class materials.) If you are attending our March meeting and your name is drawn, I will ask if you can attend a 2018 class. If your answer is no, another name will be drawn. You do not have to be present to win. If you are not present and your name is selected, I will contact you after the meeting to determine if you will be able to attend a class.

Remember that CMGS is having our first club "Rock Swap" March 17 at Goode Park in Palm Bay. Bring your items to sell or trade. The club has rented the pavilion for the day, so start about 9:00am and end whenever you please. It is anticipated it will include some setting up similar to the "tail gating" we have at the picnics. Some may want to setup on half of one of the picnic tables.

*Don*

### Exchange Bulletins are Welcome

(All material may be copied unless otherwise noted if credit is given)

The Dead Line for the April Moonstone is March . 20, 2018

The URL for CMGS web site is: <http://www.canaveral-mgs.com/>

Feel free to send me articles or pictures for the newsletter at [shannonb787@gmail.com](mailto:shannonb787@gmail.com)

The **Canaveral Mineral and Gem Society** (CM&GS) is a registered Florida not-profit-corporation approved by the Internal Revenue Service as a tax exempt , organization under Internal Revenue Code section of Florida 501 (c) (7) for the following purposes:

1. For the preservation, support, and promotion of the hobby of Mineralogy and its various forms of allied activities and earth sciences.
2. To dedicate ourselves to the furtherance of the hobby through the exchange of knowledge, experience, and other helpful information among ourselves and other like organizations.
3. To further the education of members and the general public of the hobby by programming talks, discussions, motion pictures, field trips, and the staging of shows and exhibitions.
4. To maintain an active affiliation with the Southeast Federation of Mineralogical Societies and to participate in Federation activities to the fullest extent possible.

### **Goals and Objectives**

5. To promote the spirit of cooperation and fellowship among the membership.
6. To increase our knowledge of rocks and minerals and to explore the mystery and wonder of the earth.
7. To actively encourage members to attend educational classes, workshops, lectures, and demonstrations.
8. To stimulate interest in the earth sciences within the community by providing scholarships to worthy students at all educational levels.
9. To provide the necessary equipment and resources to enable members to develop their interests.
10. To enjoy our hobby and Have Fun!

### **Affiliations**

The Canaveral Mineral and Gem Society is a member of the Southeast Federation of Mineralogical Societies (SFMS) and the American Federation of Mineralogical Societies (AFMS)

### **Meetings and Dues**

Meetings are the First Wednesday of each month at the Henegar Center, 625 E. New Haven Ave., Melbourne, Florida. Meetings start at 7:00 p.m. Visitors are always welcome! Dues are \$20.00. Junior Member dues are \$2.00.

It's time to pay your dues for 2018. Remember that you will be removed from the class lists if you do not renew by April 1.

# March 2018

**Sun      Mon      Tue      Wed      Thu      Fri      Sat**

				1	2	3 Open Shop 9 am-12 pm
4	5 Beading Class & Open Shop*	6	7 Monthly Meeting 7PM	8	9	10 Open Shop 9 am-12 pm
11	12 Beading Class & Open Shop*	13	14	15	16	17 Rock Swap Goode Park No Open Shop
18	19 Beading Class & Open Shop*	20	21	22	23	24 Open Shop 9 am-12 pm
25	26 Beading Class & Open Shop*	27	28	29	30	31 Open Shop 9 am-12 pm

\* Monday Beading Classes are 1PM—4PM and 5PM— 7:30 PM

Monday Open Shop 6PM—9PM

## Directions to the Rock Swap and Dolly's Picnic

at Goode Park.

### Directions coming south from Melbourne:

**Going south on US 1, turn right onto Port Malabar Blvd NE. Turn right onto Bianca Drive NE. Follow Bianca Drive to the park.**

### Directions coming north from Palm Bay:

**Going north on Babcock Rd turn right onto Port Malabar Blvd NE. Turn left onto Bianca Drive NE. Follow Bianca Drive to the park.**

## Bench Tips by Brad Smith

See all Brad's jewelry books at [Amazon.com/author/bradfordsmith](https://Amazon.com/author/bradfordsmith)

### MODIFYING PLIERS (seven pics with a caption for each)

#### Pliers-1

Sometimes a few changes to your tools can make work go faster and improve the quality at the same time. Stock tools need to be polished and can be customized using standard jewelry skills. Here's an example:

While making a lot of chainmaille, I noticed I was ending up with a few scratched jump rings that required extra cleanup time before the chain could be polished. So I started looking into what I was doing wrong.



Making jump rings and weaving them into chainmaille 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. The jaws of my pliers were pretty much scratch free because on a new tool I typically relieve any sharp edges, sand away any tool marks on working surfaces and give those areas a quick polish.

#### Pliers-2

That helped but was not the whole problem. While making chain, rings would sometimes slip out of the pliers or slide within the jaws as I was trying to twist them open or closed. I noticed the jaws close at an angle, and gave me the idea of forming a groove at the end of the jaw that would grasp the ring gently without scratching it. Not only have these pliers worked well for chainmaille, but I've found several other problem jobs that this modification solves very nicely.



#### Pliers-3

To make up what I needed, I bought two inexpensive sets of square jaw pliers. My preference is for jaws that are about 3.5 - 4mm wide. This provides a good fit for the jump rings I use. You need to have enough metal at the tip of the jaws to be able to cut a groove that's deep enough. If your plier tips are too thin, you'll have to cut them back. Locate and mark the position on the jaw where the thickness is about 1.6 - 2mm.



#### Pliers-4

Cut the tips off with a cutoff wheel or grind them off with a bench grinder. If using a cutoff wheel, be sure to brace and hold both the workpiece and the rotating handpiece securely. If either moves, you will break the abrasive disk. And remember when cutting any metal with a motorized tool, be sure to use good eye protection. A little piece of debris in your eye makes for a bad day.



#### Pliers-5

Cut the tips off with a cutoff wheel or grind them off with a bench grinder. If using a cutoff wheel, be sure to brace and hold both the workpiece and the rotating handpiece securely. If either moves, you will break the abrasive disk. And remember when cutting any metal with a motorized tool, be sure to use good eye protection. A little piece of debris in your eye makes for a bad day.



#### Pliers-6

Now to make the grooves round so they grasp the wire without distorting it, I close the jaws and run a drill through the opening formed by the two rough grooves. I start with a small drill and followed up with a drill just slightly smaller than the wire size I want to grip. In my case that was 14 gauge wire, so I chose a #53 drill.



Finally, the shape of the grooves needs to be refined. I used a coarse, knife edge, silicone polishing wheel on the flexshaft to polish off all marks left by the drill and to round off the outer edges of the groove.



#### Pliers-7

Test for proper fit by laying a jump ring into each groove. In particular, inspect the way the edges of the groove contact the inside of the ring. You may need to widen the groove at this point to avoid the pliers leaving a nick. Do a final polish so the jaws will not scratch as they grip a ring. I used a medium grit, knife edge, silicone polishing wheel but a sewn buff with tripoli or Zam would also work well.

"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon,

## Mineral of The Month – Crocoite

By Dave Jacobson

This month we will take a look at another rare mineral, crocoite,  $PbCrO_4$ , lead chromate. Crocoite is one of the few chromate minerals. Crocoite is found in the oxidized zones of ore deposits containing lead and chromium. Associated minerals are pyromorphite, cerussite, wulfenite, limonite and vanadinite. This mineral is primarily of interest to mineral collectors. The element chromium was first extracted from crocoite as it is a minor ore of chromium. One of the most famous sources of crocoite is the Dundas District of Tasmania, Australia. The one small specimen I have in my collection comes from this locality. Other noted locations for this mineral are the Ural Mountains in Russia and Inyo and Riverside Counties in California, USA.

Crocoite is in the monoclinic crystal system. The crystals are long slender prisms, which are sometimes striated. Sometimes the crystals are hollow. The crystals can be transparent to translucent. Most specimens are not over 5 cm in length. It commonly forms in large groups of acicular crystals. It can also be granular massive. The color typically is orange red to yellow red. The streak is orange yellow. Hardness is 2.5 to 3. Specific Gravity is 6.0. The high specific gravity is due to the lead content of the mineral. It has a high index of refraction. Small brilliant gems have been cut from transparent specimens.

Crocoite takes it's name from the Greek, *krokos*, "saffron", alluding to the deep orange color produced from saffron dye.

I used the following reference materials in preparing this article. *Field Guide to Rocks And Minerals* by Frederick H. Pough. *Mineralogy For Amateurs* by John Sinkankus. Simon & Schusters Guide to Rocks And Minerals. Amethyst Galleries Mineral Gallery on the internet at <http://mineral.galleries.com>.

One of the best hobby related sites on the internet is Bob's Rock Shop at <http://www.rockhounds.com>. This site covers all aspects of the hobby from rocks and minerals to faceting diagrams as well as great links to other hobby related sites..



## February Business Report—February 7, 2018

The meeting was called to order by President Don McLamb. After the Pledge of Allegiance, we welcomed Sandy Signa, Taylor Rictner and Beverly Morgan. Welcome!!!

We had a discussion about the upcoming rock swap taking place on March 17. It's our first one, so we'll learn as we go and have fun!!

The February notes were accepted and Liz Ritter gave the Treasurer's report.

Members were encouraged to sign up for the SFMS Workshops up north in Georgia and N. Carolina.

Don stated there would be a stainless-steel cabbing machine for sale on the March 7 meeting. Also, at the March meeting, the scholarships to the SFMS Workshops will be drawn for active members. Good luck to all!!

Shannon Byrd gave the Moonstone report, all's good, and Sharon Jones reminded folks to access the website.

Dave Jacobson presented the Mineral of the Month, Corundum. Ruby and Sapphire are examples. It is one of the hardest minerals at 9 found through America, Africa, India, Middle East and Southeast Asia.

Show and Tell showed the Club's talents. Susan Lord shared, Art DeLaurentis showed a couple recent projects of Franklin N.C. sapphire, cold connection. Mark Heathman showed a hand faceted piece for a parrot's wing. Jim Williams shared his work from Mark Heathman's faceting class. Dave Jacobson presented his Opal pendant on a fine silver Viking Weave chain. Sharon Jones showed a Ruby with a riveted bail, Shannon Byrd shared her Bumblebee Jasper and explained it's a very soft stone to work with. Joe Bina is a slab cutting madman, sharing his recent cuts of opal, seashell, dolomite, jasper.

The SFMS monthly scholarship winners were Don O'Neal, Don McLamb and Sharon Jones.

See you at the March meeting!

**With Respect, Peace and Love,  
Denise Jackson, Secretary**

## Upcoming Gem and Mineral Shows

### February 2018

**24-24—LAKELAND, FLORIDA:** Annual show; Bone Valley Gem, Mineral, and Fossil Club, First Presbyterian Church of Lakeland; 175 Lake Hollingsworth Dr.; Sat. 9-4:30; Admission \$3, Students/Children free; Teachers Raffle, hourly door prizes, Spin & Win Mineral Wheel, Kids Treasure Dig, Earth Sciences educational demonstrations and displays, Silent and Chinese auctions and over 25 dealers of rocks, minerals, fossils, jewelry, gifts and hobby supplies. Facebook: Bone Valley Gem, Mineral & Fossil Club ; contact Kim Price; e-mail: [kprice1105@gmail.com](mailto:kprice1105@gmail.com); Web site: [www.bonevalley.net](http://www.bonevalley.net)

### March 17 Palm Bay, Florida

Canaveral Mineral and Gem society will hold its first “rock swap” at Goode Park in Palm Bay. Bring your items to sell or trade and see what others have brought out to sell or trade. Bring your family and friends. The club has rented the pavilion for the day so lets take advantage of the opportunity to enjoy each others company and find some new treasures.

### April 2018

**6-8—ORLANDO, FLORIDA:** Annual show; Central Florida Mineral and Gem Society, National Guard Armory; 2809 S. Fern Creek Ave. ; Fri. 1-6, Sat. 10-6, Sun. 10-5; Adults \$5, Students \$2, Children Free; Central Florida Mineral and Gem Society’s Annual Fall Gem, Mineral, and Bead and Fossil Show. Go to [www.cfmgs.org](http://www.cfmgs.org) for \$1 off coupon. There will be demonstrations, 30 minute auctions, kids table, sluice mining for gems, and hourly door prizes. See and buy gems, minerals, beads, metaphysical stones, fossils and much more from all over the world. Demos include cutting cabochons, wire wrapping. Adults \$5.00, Grade school students \$2.00, Scouts free. ; contact Salvatore Sansone, 6728 Oman Court, Orlando, FL 32809, (321)-278-9294; e-mail: [ssfossilhunter@aol.com](mailto:ssfossilhunter@aol.com); Web site: [www.cfmgs.org](http://www.cfmgs.org)

**14-15—PINECREST, FLORIDA:** Show and sale; Miami Mineralogical and Lapidary Guild, Evelyn Greer Park; 8200 SW 124 Street; Sat. 10-5, Sun. 10-5; Admission \$6, Children free; The Miami Mineralogical and Lapidary Guild(MMLG) is holding a Gem, Jewelry, Mineral, and Fossil Show. There will be exhibits, displays, demonstrations, raffles, and vendors showcasing mineral & fossil specimens, gemstones, fine jewelry, and artisan-crafted collectibles. Children’s activities include jewelry-making sessions, surprise grab-bags, gem prospecting, and geode splitting. ; contact John Speier, FL, (305)-460-2244; e-mail: [webguy@mmlg-inc.org](mailto:webguy@mmlg-inc.org); Web site: [www.miamigemandmineral.com](http://www.miamigemandmineral.com)

### November 2018

#### **10 -11 Canaveral Mineral & Gem Society—44th Annual Parade of Gems**

Dealers in lapidary, minerals, fossils, beads, jewelry and gemstones. Demonstrations; Grand Prize; Hourly Silent Auctions; supplies for hobbies and crafts and related activities. Excellent and economical Christmas shopping with one of a kind creations that make wonderful gifts.

Show Times: Saturday and Sunday 10:00 AM to 5:00 PM

Location: Melbourne Auditorium, 625 East Hibiscus Blvd. Melbourne, FL 32901

Admission; \$5 Donation

Contact: Don McLamb, CMGS President & Show Chairman

**please contact me with details of other shows that our members would be interested in knowing about.**

## Dolly's Picnic is coming

Sunday April 8, 2018.

You can bring donations for the auction to our monthly meeting on Wednesday March 7 or bring them to the “Rock Swap”. Melissa Horan would like to be contacted via “4memelissa@gmail.co” if you are donating large items that will need to be transported.

We will also have tailgating in the parking lot before dinner is served.





# CANAVERAL MINERAL & GEM SOCIETY'S

## FIRST ANNUAL



# ROCK, SLAB & SWAP 'TIL YOU DROP

**SATURDAY, MARCH 17  
9 A.M. – 3 P.M.**

**Goode Park  
1300 Bianca Dr. NE  
Palm Bay, FL 32905**

**\$5 PER VENDOR**

**Bring your own tables/chairs/tents/food/drinks**

**Even if you don't have rocks to swap,  
come and get a few (bring cash please)!**

**Next year, who knows, you might want to swap!**

**Questions: [webiecmgs@gmail.com](mailto:webiecmgs@gmail.com)**

## Club contacts

**President:** Don McLamb, 570 Seabreeze Dr., Indialantic, FL 32903, (321) 723-2592

**Vice President:** Nancy Stark, 1610 Sutschek St NE, Palm Bay, FL 32907, (321) 749-7675

**Secretary:** Denise Jackson, 320 Arcadia Ave., Melbourne, FL, 32901, (321) 373-5133

**Treasurer:** Liz Ritter, PO Box 500827, Malabar, FL 32950, (321) 544-2036

**Bulletin Editor:** Shannon Byrd, 2225 Ladner Rd NE, Palm Bay, FL 32907, (321) 541-7230

**Education Chairman:** Dave Wayment PO Box 780791, Sebastian, FL 32978, (772) 532-6432

**Corresponding Secretary:** Kitty McLamb, 570 Seabreeze Dr., Indialantic, FL 32903, (321) 723-2592

**Board of Directors 2yr:** Mark Heathman, (321) 253-2856

**Board of Directors (Past President) 3yr:** Dave Jacobson, (321) 676-4306

**Board of Directors 1yr:** Freda Hull , (321) 725-0847

**Board of Directors 1yr:** Roy Deere, (321) 725-9179

### *Jewelry by members:*

#### *Lapidary and silver jewelry*

*By Arthur Delaurentis*



#### *Seashell necklaces*

*By Tracie Harper*



*Join the fun, just send me a photo at shannonb787@gmail.com*

**Bulletin Editor**

Shannon Byrd  
2225 Ladner Rd NE  
Palm Bay, FL 32907  
Email: shannonb787@gmail.com

The Canaveral Mineral and Gem Society meets the First Wednesday of each month at the Henegar Center, Melbourne, Florida. The time of the Meeting is 7:00PM . Visitors are always welcome.

**CANAVERAL MINERAL & GEM SOCIETY**  
**NEWSLETTER: MOONSTONE**