

# Canaveral Moonstone



## Presidents Corner



May has tuned into summer and today (22 May) the weather folks are suggesting the first tropical storm, Alberto, is forming in the Gulf of Mexico, projecting landfall in the North or Eastern Gulf!!

June will be a “regular” meeting but the July meeting is our traditional Open House; No business meeting. All members are encouraged to bring samples of your mineral & gem crafts for display and a snack to share. The gathering is an ideal time to invite friends to see some of the results of your mineral and gem society. Another unique feature of this July meeting: It will be **held on the second Wednesday** since the first Wednesday is the 4th of July!!



In your long-term plans: CMGS has rented a facility at Wickham Park for a Rock Swap on Saturday, 3/23/2019. We have planned to include the Central Brevard Rock & Gem Club in the event. More info later, closer to the event.

Parade of Gems status; A dozen of the dealers from last year have not yet confirmed their plans for our show. I have received recommendations for replacements from Mark Heathman and Art DeLaurentis but they (and the dozen past dealers) have not yet responded to emails. I will be making calls to past dealers as well as those recommended. The show is November 10 & 11, 2018 at the Melbourne Auditorium. If anyone has some suggestions for potential Dealers, please contact me (321-723-2592).



Bea Dietz is a delightful friend to many of us in CMGS. As most of you know Bea has major medical challenges with her shoulder and she has not yet recovered full use of her hand. Bea called me to tell me that she could no longer support our club activities. She has recently been diagnosed with bone cancer and will need all her energy to meet that challenge. Bea would very much like for someone to undertake her Children’s Mineral Discoveries booth at our Parade of Gems next November 10 & 11. If some one would come by her house (498 Firestone St. N.E. Palm Bay; 321-821-2232) she would give them all the items she has collected for the event.

Please keep Bea in your prayers.

*Don*

### Exchange Bulletins are Welcome

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

The Dead Line for the July Moonstone is Jun. 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.

# June 2018

Beading  
Class & Open

**Mon**

**Tue**

**Wed**

**Thu**

**Fri**

**Sat**

					1	2
3	4 Beading Class & Open Shaop*	5	6 Monthly Meeting 7PM	7	8	9 Open Shop 9 am-12
10	11 Beading Class & Open Shaop*	12	13	14	15	16 Open Shop 9 am-12
17	18 Beading Class & Open Shaop*	19	20	21	22	23 Open Shop 9 am-12
24	25 Beading Class & Open Shaop*	26	27	28	29	30 Open Shop 9 am-12

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

Monday Open Shop 6PM—9PM

## Canaveral Mineral and Gem Society Website

<https://www.canaveral-mgs.com/>

On our Members Only portion of Canaveral-MGS.com we have tips, helpful websites, members phone listing, shop update, Etc .

Your Login ID is the email address you receive club communications at and whatever password you choose. If you have any problems logging in, click the "contact" link on the website and we'll get back with you to resolve them.

## Bench Tips by Brad Smith

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

### REVOLVING SOLDER PAD

Often when we're soldering we have multiple pieces on the pad or a single piece and would like to work on several sides of it during the same heat.

One of the ways to deal with this is to put your solder pad onto a turntable. That way you can rotate each piece into position when you need to or can rotate the pad to reach another side of a larger piece.

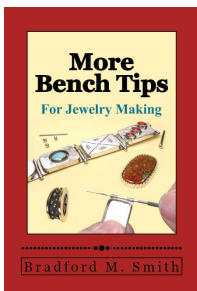
All you need to make one of these is a piece of aluminum sheet and an inexpensive turn table assembly. A good hardware store will have both, although you can usually find the aluminum in the scrap pile of a local sheet metal shop.

To build a turntable for my 6 inch solder pad, I used a seven inch square piece of aluminum sheet and cut out 1/2 inch notches from each corner. Then I used a bench vice to bend the sides along the dotted lines to form a tray that cradles the solder pad. I attached the tray to the turntable assembly with a couple small flat-head machine screws and nuts.



### NEW BENCH TIPS BOOK

For those who enjoy these bench tips, I'm happy to announce a second volume is now available on Amazon. "More Bench Tips" includes 86 additional ways to save time, avoid frustration or improve quality at the bench. These new tips cover problems in fabrication, stone setting, casting, soldering and polishing. Browse through a couple of the new ones at <https://amazon.com/dp/B07D4B45JJ/>



### QUENCHING

Do you hear that little hiss when some jewelers drop a hot piece from soldering directly into the pickle? That hiss sends small droplets of acid into the air that can rust nearby tools and can't be all that good to breathe. To avoid this, I keep a coffee cup of water at the solder station to cool a soldered piece before dumping it into the pickle. It's also useful for annealing metals and for cooling off tweezers.

## Mineral of The Month – Copper

### By Dave Jacobson

This month we will take a look at one of the native elements, copper (Cu), which is the mineral in its native metallic form. Native copper will commonly form in volcanic basalt by the reaction of copper bearing solutions with the iron oxide minerals in the basalt. It also forms in hydrothermal replacement deposits and by chemical processes in the oxidation zone of sulfide deposits. Some native copper can usually be found in copper mining areas. Other associated minerals are silver, calcite, malachite and other copper minerals. A specimen containing both native copper and silver is called a "half breed". Some of the finest specimens in the USA come from the Keweenaw Peninsula in Michigan. Other notable occurrences in the USA include Arizona and New Jersey.

Native copper is in the isometric crystal system although individual crystals are rare. When crystallized the shapes are usually cubes and octahedrons. It is usually found in masses, wires, dendrites and other arborescent or branching forms. Sometimes recognizable crystal faces are visible on the outer surfaces of massive native copper.

Color is typical copper coloring with some specimens tarnished in varying shades, primarily green. It has a metallic luster. Streak is reddish copper. Hardness is 2.5 to 3. Specific gravity is 8.9+. Native copper is ductile which means it can be beaten, pounded and shaped.

Native copper is a minor copper ore since it is rarely found in large enough quantities to make it worth mining. Other copper ores are more economic to mine and refine in producing copper. I speculate that in the early days of mining history native copper was more important ore of copper than it is now. Native copper is primarily used as a mineral specimen.

Copper takes its name from the Greek *Kyprios*, referring to the Island of Cyprus, a site of ancient copper mining.

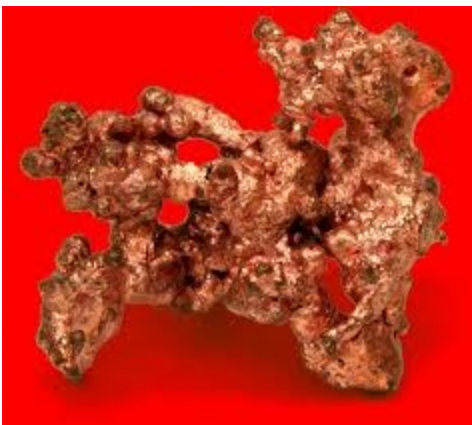
I used the following reference materials in preparing this article.

Field Guide To Rocks And Minerals by Frederick H. Pough.

Mineralogy For Amateurs by John Sinkankus. Simon & Schusters Guide to Rocks And Minerals.

The Audubon Society Field Guide To North American Rocks and Minerals.

Amethyst Galleries Mineral Gallery on the internet (address <http://mineral.galleries.com>).



**Wildacres 8/20-8/26, 2018**

Casting

Chain Maille

Introduction to Gem ID

Metal Clay – Tangible Moments

Metalwork Special Projects

Silver I

Wire

**SFMS**  
**CLASSES**  
**2018**

**Wildacres 9/17-9/23, 2018**

Chain Maille

Cold Connection

Electro-Etching

Enameling

Intro to Inlay

Seed Bead Weaving

**Visit the website for more information**

**<http://sfmsworkshops.com/>**

**The monthly business report for May and June 2018 will be combined and reported in the July Moonstone Newsletter.**

## **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

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

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

**Bulletin Editor**

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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**