

Canaveral Moonstone



Presidents Corner



This is a tremendous time of the year!! We are thankful for our Parade of Gems Show, our December CMGS Meeting, Our Christmas/Chanukah/Holiday party and gatherings with family and friends.

The Parade of Gems had the best attendance in several years (Thanks to the dedicated advertising efforts of many members). Most of the Dealers were quite happy. We had a couple last minute dealer cancellations but our financial results should still be good. We will send out our results as soon as we complete the summary.



Our Christmas/Chanukah/Holiday party will be at the Unity of Melbourne on Friday 12/13/2019. Access to the facility is available from Noon to 10pm. Mark Heathman will again assemble a magnificent tree. Table decorating is planned for 2:00 pm (Approximately one hour).



Kathy Burnette will again be our Yankee Trader Star. Yankee trader information is on page 7. All that will be Yankee Trader participants should bring a decoratively wrapped gift!

Bring your covered dishes between 5:30 and 6:00pm . We will start dinner soon thereafter.

Don

Exchange Bulletins are Welcome

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

The Dead Line for the January Moonstone is December 20, 2019

The URL for CMGS web site is: <http://www.canaveral-mgs.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 (except July and August) at the Unity of Melbourne facility at 2401 North Harbor City Blvd., Melbourne, Florida. Meetings start at 7:00 p.m. Visitors are always welcome! Dues are \$30.00. Junior Member dues are \$2.00. Club shop is now located at 255 East Drive, Suite K, Melbourne, FL.

December 2019

Sun Mon Tue Wed Thu Fri Sat

1	2 Open Shop 5:30-9:30PM	3	47PM Month-ly Meeting at Unity	5	6	7Open shop 8:30AM-12:30PM
8	9 Open Shop 5:30—9:30 PM	10	11	12	13 CMGS Holiday Party at Unity 6PM	14 Open shop 8:30AM-12:30PM
15	16 Open Shop 5:30—9:30 PM	17	18	19	20	21 Open shop 8:30AM-12:30PM
22	23 Open Shop 5:30—9:30 PM Hanukkah Starts		25 Merry Christmas	26	27	28 Open shop 8:30AM-12:30PM
29	30 Open Shop 5:30—9:30 PM Hanukkah Ends	31				

Jewelry Sale

We are going to have a jewelry sale for members, by members December 7 at our work shop.

Several members have expressed an interest in purchasing our members creations. Some of our talented artists are interested in selling their jewelry so we are going to have our first ever one day sale at our work shop.

When – Dec 7, 2019 10 Am - 4 PM

Where – 255 East Drive, Melbourne (inside)

If you are interested in selling, please contact Sharon Jones indicating that and letting her know how much space you will need at sharonsfavoritethings@gmail.com.

We will need this information to set up the tables and get things ready.

Canaveral Mineral and Gem Society November 6, 2019 Meeting Minutes

President Don McLamb opened the November 6th meeting at 7:05 pm at The Unity of Melbourne Hospitality Room, 2401 North Harbor City Blvd.

He asked everyone to please sign up to work at The Parade of Gems. Donations are needed for raffles, silent auction and member's display.

The Dealer's Dinner will be on Friday, November 8th. Please sign up to bring food for the Dealer's Dinner and also attend the dinner. It's a great way to meet other club members, dealer's and enjoy a fun night out.

Don welcomed new guests Bernie Gott and Jim Price.

Sharron reminded us to use Facebook and social media to let everyone know about the show.

The Holiday Party will be Friday, December 13th at Unity of Melbourne.

The October minutes were voted on and approved.

Also approved were the recommendations by the Nominating Committee for officers for the new year. We are keeping the same slate as last year.

Liz Ritter, Treasurer, went over the monthly bills, expenses and money coming in.

Membership Director, Kathie Burnette said membership is up to 144 people. If someone signs up at the show or after the show, they will get the rest of the year and next year included in the dues of \$30.

Sue said she is collecting info about rock shows in other areas. If you are traveling and pick up brochures or flyers, please give them to her when you're finished. She will make a list for our membership. Also if you check out a book, please remember to return it.

Dave Jacobson spoke about Calcite, a natural carbonate, one of our most common minerals.

Show and Tell : Thanks for sharing!! Scott Bollinger brought Calcite specimens. Melissa Horan also brought different colors of calcite and calcite on galena.

Art DeLaurentis brought chainmail, pendants and other beautiful samples of his work. He said Don Norris DVDs are in the library and it's helpful to go through a lot of the silver techniques that he used.

Bill Harr brought rock samples of black opals from Australia and told about how he acquired them in Australia.

Jim and Jeanne Ragan took Sharon Jones' silversmithing class. Jim shared some beautiful projects that he made.

Lynn McKinney received the scholarship for Wild Acres. He took the wire wrapping class and shared with us his wonderful pieces. Lynn had a great time.

Many members brought donations for the children's booth. Thanks!

Mary Kinberg
Secretary

Thank you

- ◆ A special thank you goes out to Keith Stokes for repairing the large slab saw. It is back in working order.
- ◆ Thank you to all the members that volunteered at the Parade of Gems.

Mineral of the Month—Elemental 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>).



Bench Tips

by Brad Smith

Work Smarter & Be More Productive With Brad's "How To" Jewelry Books

[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

DIVIDERS

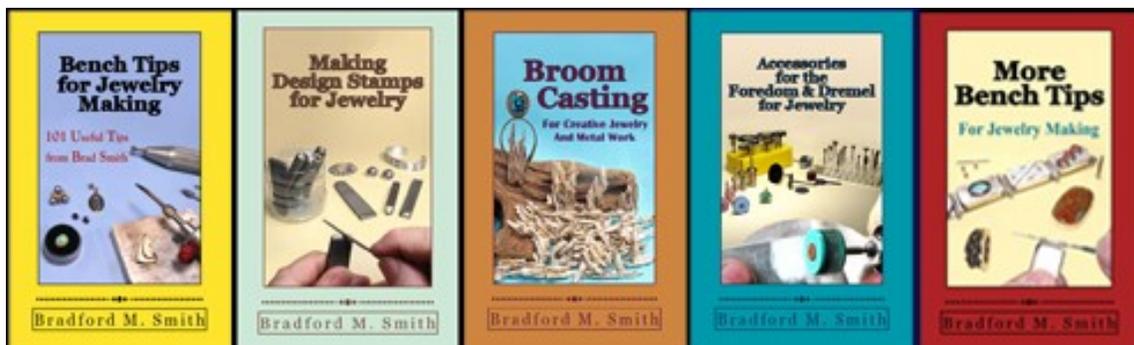
A set of dividers is a tool I find very useful in laying out the geometry of a piece I'm making. It has two needle-like tips with an adjustment to set the spacing between them.

They can be used to transfer a measurement. Let's say you need a 7mm wide strip of sheet metal. Set the spacing between the divider tips to 7 mm on the ruler. Then lay the sheet on the bench, put one tip against the edge, and run the dividers down the edge scribing a line parallel to the edge.



Dividers can be used to mark equal segments of a line or arc. For instance, assume a line between A and B that might be straight or curved, and you want to divide it into 5 equal lengths. Set the dividers to an estimate of the distance. Starting at Point A, use the dividers to mark off five lengths along the line. If you end up short of Point B, lengthen the distance on the dividers. If you end up overshooting Point B, shorten the length of your dividers. After a few tries, the length on the dividers will be the exact distance you need to mark the 5 segments.

Dividers can let you quickly find the center of a circular disk. With one tip of the dividers at the edge of the disk, set the other tip to an estimate of where the center might be. Fix one tip of the dividers at the 3 o'clock position and scribe an arc with the other tip near the center. Do this again from the 6 o'clock, 9 o'clock, and 12 o'clock positions. The arcs at the center will form a small four-sided box, and the center of the box is at the center of the disk.



Coming Gem & Mineral Shows

12/06/2019 - 12/08/2019

Withlacoochee Rockhounds Gem, Mineral, Fossil, & Jewelry Show

Veterans Memorial Park, 14333 Hicks Rd., Hudson, Florida 34669

12/14/2019 - 12/15/2019

Miami Gem and Mineral Show

8200 SW 124 Street Pinecrest , FL 33157

12/29/2019

Gem Tampa Amethyst Rock Fossil Sale -

Address: 3025 N Rocky Point Dr E Holiday Inn Express Rocky Point Tampa
Tampa, FL 33607

1/10/2020 - 1/12/2020

Largo Florida Annual Show

Pinellas Geological Society Central Park Performing Arts Center

105 Central Park Ave

1/18/2020 – 1/19/ 2020

Jewelry, Gem and Mineral, Fossils Show and Sale

Volusia County Fair, 3150 E New York Ave

DeLand, FL

2/22/2020

Lakeland Florida Annual Show

Imperial one Valley Gem Mineral & Fossil Society

First Presbyterian Church; 175 Lake Hollingsworth Dr

Veterans Memorial Park, 14333 Hicks Rd., Hudson, Florida 34669

Please let me know if you are aware of a gem and mineral show that is not listed here.

shannonb787@gmail.com

Yankee Trader Rules

- All participants bring a wrapped gift (\$10 OR LESS) marked for a male or female or no marking (indicating either male/female).
- The gift is placed on a table. Numbers corresponding to the number of gifts are placed in a box. All participants "blindly" draw a number.
- Number 1 gets the first gift selection, opens it and shows every one.
- Number 2 gets the next selection, opens it and shows it to every one. If number 2 likes the first gift selected better he or she has the option to swap with number 1.
- Number 3 picks the next gift , opens it and shows it to every one. Number 3 now has the option to keep the gift or swap with 1 or 2.
- Number 4 picks the next gift and shows it to everyone. Number 4 has the option to keep the gift or swap with 1, 2, or 3.
- The process repeats until the final gift is opened, kept or swapped for any previous gift.
- At this point, number 1 has the option to swap for any previous gift. Once number 1 makes his or her choice the game is over.
- That is the Yankee trader. Enjoy!!

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: Mary Kinberg, 245 Hedgecock Ct., Satellite Beach, FL 52937, (321)223-4260

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

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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 3yr: Dave Jacobson, 672 Manor Place, West Melbourne, FL 32904, (321)676-4306

Board of Directors 2yr: Mark Heathman, 4166 Mockingbird Dr., Melbourne, FL 32934, (321)253-2856

Board of Directors 1yr: Roy Deere, 7041 Rodes Place, West Melbourne, FL 32904, (321)725-9179

Board of Directors (Past President) 1yr: Keith Stokes, 601 Georgia Ave., Melbourne, FL 32901, (321)266-8707

Bulletin Editor

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

CANAVERAL MINERAL & GEM SOCIETY
NEWSLETTER: MOONSTONE