

Canaveral Moonstone



Presidents Corner



We hope all have had a tremendous Easter Holiday!!

You all should know that Dave Wayment is planning and organizing the move of our shop facilities to our new location. I am pleased that so many of our CMGS members have volunteered to help remove our extensive equipment, clean and patch our Henegar leased space, prepare the new space, transport the equipment to our new leased space and there install and check out equipment performance. We have a “hard” date for vacating the Henegar facilities by the end of May. This permits us to recover the Henegar lease payments for June and July.



The last of our CMGS monthly meetings at the Henegar will be our May meeting. Our meeting location for June will be held at the Unity of Melbourne Hospitality Area facility at 2401 North Harbor City Blvd, Melbourne, FL 32935. Driving North on US 1 it is a large facility on the right hand side. (If you get to the Lake Washington intersection you are one block past it!). Meetings will continue to be from 7:00 to 9:00pm.



As previously announced, Our Board of Directors has decided to return to a 10 monthly meetings per year; deleting our July and August meetings. All of our future meetings after May are planned to be at the Unity of Melbourne facility.

Don

Exchange Bulletins are Welcome

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

The Dead Line for the June Moonstone is May 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 255 East Drive., Melbourne, Florida. Meetings start at 7:00 p.m. Visitors are always welcome! Dues are \$30.00. Junior Member dues are \$2.00.

May 2019

Sun Mon Tue Wed Thu Fri Sat

			1 Monthly meeting 7PM	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18 SFMS Rockswap Live Oak, FL
19	20	21	22	23	24	25
26	27	28	29	30	31	

Note: Due to our moving to 255 East Drive, we will not have open shop in May

Henegar Shop Closing

As of the 1st of May the shop will be permanently closed at the Henegar Center. We are currently in the process of preparing the new shop at the East Drive location. The anticipated opening of the new shop is June 1st, if not before.

We are anticipating a need of a few STRONG BACKS, pickup trucks and trailers the first week of May. We will be dismantling and moving equipment to the new shop. An email blast will be sent out, please be on the lookout for it. All work is being co-ordinated through Dave Wayment. He can be reached at aastainedglass@bellsouth.net.

If you have keys to the Henegar Center shop, please bring them to the meeting and turn them into Shannon Byrd. All keys will be turned into the Henegar Center.

Website News By Sharon Jones

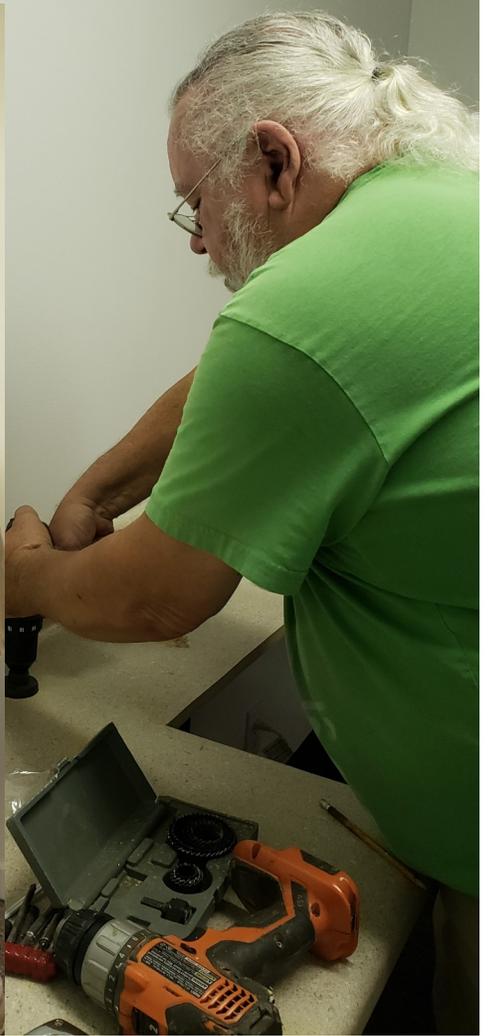
CMGS Website (<https://www.canaveral-mgs.com/>)

Be sure to follow us on the website as we move out of the Henegar center and into our new location at 255 East Drive. We will post the new address and a map to the location.

We will also be posting progress made towards opening the new shop and details of open shops as dates are finalized.



A special thank you to Stephanie, Sue, Ray, Joe, Mark and Dave for preparing the new facility at 255 East Drive Melbourne for our move.



Canaveral Mineral and Gem Society April 3, 2019 Minutes

President Don McLamb opened the April 3 meeting at 7:05 pm and said that we will have the business meeting after our speaker, Frank Milordi.

Frank spoke to our club at the February meeting about Oregon Sunstone and tonight spoke about Fractal Art and a review of Oregon Sunstone. He showed different examples of beautiful Fractal Art that he has created.

Don announced that it is the 55th anniversary of our club, which was incorporated April 28, 1964.

Important changes were made at the last board meeting. Most of these changes were made in order to afford the costs of moving and the new workshop.

The membership director is now a voting member of the board. Don made a motion to add membership director, Kathie Burnette to the board. This motion was voted on and approved.

Kathie Burnette reviewed more than 35 sites for our new CMGS workshop. Don and other members of the club have looked at and analyzed many of the properties. The board selected 255 East Drive, Suite K as the new CMGS Workshop. We have signed a 5-year contract. The new workshop does meet our budget. If we get out of the Henegar Center by the end of May, we should receive 2 months lease payment refunded. Please tell Dave Wayment if you can help with the move. The move to the new shop needs to be completed by May 31st.

The board has decided the club will not hold a July and August membership meeting. A review of the monthly meeting locations is in progress. Our May meeting will be the last meeting at the Henegar Center.

We will need to increase the workshop fees from \$7 a session to \$10. Our CMGS membership dues will increase from \$20 a year to \$30. There will be a revised operating budget and relocation budget at the May meeting.

The March meeting minutes were accepted and approved.

Liz Ritter, treasurer, went over the expenses and deposits for last month and turned in the Treasurer's Report.

Kathie Burnette, membership director, reported that membership went down from 181 to 133, since it's the end of the membership year.

Shannon announced that our website received 5th place in Lodestone Journal. Thank you, Sharron, for your hard work and a great website.

Dave Jacobson spoke about the mineral of the month, amber.

Share and Learn: thanks to Sheila Bennett, Janine and Jim Ragan, Mary Kinberg and Art DeLaurentis!

The meeting adjourned at 9 pm.

Mary Kinberg
Secretary

Mineral of the Month—Quartz var. Chalcedony

By Dave Jacobson

This month we will take a look at the cryptocrystalline species of quartz, SiO₂, silicon dioxide, call chalcedony. These species are favorites among gemologists and lapidaries.

These varieties of quartz are typically banded. The microscopic crystals are arranged in slender fibers in parallel bands. It is common in rounded (mammalary) aggregates and nodules. It has a dull, waxy or vitreous luster. Hardness 6.5 to 7. Specific Gravity 2.58 to 2.64. Chalcedony is primarily used as decorative stone and in the making of jewelry. Rock quartz crystal has a specific gravity of 2.65. Conchoidal fracture. Streak is white. Chalcedony is in the hexagonal crystal system.

Actual **chalcedony** is the white bluish gray variety. It is sometimes almost colorless.

Varieties of Chalcedony

- **Agate:** All forms with banding (parallel to concentric). The material can be transparent to opaque. Agate is named after the Achatas (Drillo) River in Sicily. This was a major source of the gemstone, per Theophrastus, a Greek philosopher (372 - 287BC).
- **Bull's eye agate:** The banding forms concentric circles.
- **Iris or fire agate:** Iridescent resulting from thin layers of crystallized iron oxide.
- **Onyx:** Black and white banding.
- **Sardonyx:** Brown, ochre and white banding.
- **Heliotrope or Bloodstone:** The variety of chalcedony called plasma with red hematite or jasper spots and blotches. Name derived from the Greek *helio*, meaning "sun" and "*trepein*" meaning "turning"
- **Carnelian:** Translucent red brown to brick red material. Color due to hematite. Name derived from the Latin *cornum*, meaning "cornel berry" or "cornelian cherry"
- **Chrysoprase:** Translucent apple green material. Coloring agent nickel. Also found with serpentine in some areas. Name comes from the Greek *chrysos* meaning "golden" and *prase* meaning "leek."
- **Moss Agate:** Translucent light colored material. Black, brown, or green dendritic (branch like) inclusions. The inclusions are usually dark oxides. "Mocha Stone" is the moss agate from the Mocha, Yemen area.
- **Plasma:** Leek to dark green opaque material. Coloring agent various green silicate minerals.
- **Prase:** Transparent leek green material. Color due to chlorite inclusions.
- **Sard:** Light to chestnut brown translucent material. Color due to iron oxides and hydroxides. Sard is named after the Greek Sardis, which was the capital of Lydia in Asia Minor.
- **Jasper:** Massive, fine grained quartz mixed with other mineral material such as iron oxide. Color is typically in varying shades of red. It is a very common sedimentary rock. Takes it's name from the Greek *iaspis*. *This word is of oriental origin, but what it signifies is unknown.*
- **Chert:** Chalcedony deposited in spaces in sedimentary rock. Common in limestones.
- **Replacements:** Chalcedony is a common replacement for organic matter such as shells, wood and bone. Sometimes this replacement is so perfect that microscopic details are preserved. Some petrified wood is a good example of chalcedony replacement. I have a specimen in my collection, which when viewed under magnification the cell structure of the wood is visible. Fluorite, calcite, aragonite and many other minerals are also replaced by chalcedony.

One probable source for its name is an ancient town at the Bosphorus. Another source says it may derive its name from the ancient Greek Port of Chalcedon.

The following reference materials were used in preparing this article:

A Field Guide to Rocks And Minerals by Frederick H. Pough.

Mineralogy For Amateurs by John Sinkankus.

Simon & Schusters Guide to Rocks And Minerals.

Gemstones Of The World by Walter Schumann.

Gems, Crystals, & Minerals by Anna S. Sofianides , George E. Harlow & George W. Robinson, Ph.D.

Amethyst Galleries Mineral Gallery on the Internet at <http://mineral.galleries.com>.

Microsoft® Encarta® Encyclopedia 99

Bench Tips

by Brad Smith

Learn New Jewelry Skills With Brad's "How To Do It" Books

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

SANDING DISKS

One of my favorite flexshaft tools that saves a lot of time is the snap-on sanding disk. I mainly use the medium and fine grits but sometimes like the very fine ones sold for working with platinum.

Ordinarily, you'd think of placing the disk on the mandrel with the grit side facing away from your hand, but notice that you end up with your elbow up in the air. Instead, try flipping the disk so that the grit side is towards your hand. It's a much more comfortable position because the elbow is down near your side, and it lets me hold the work up close where I have a better view of what I'm sanding.

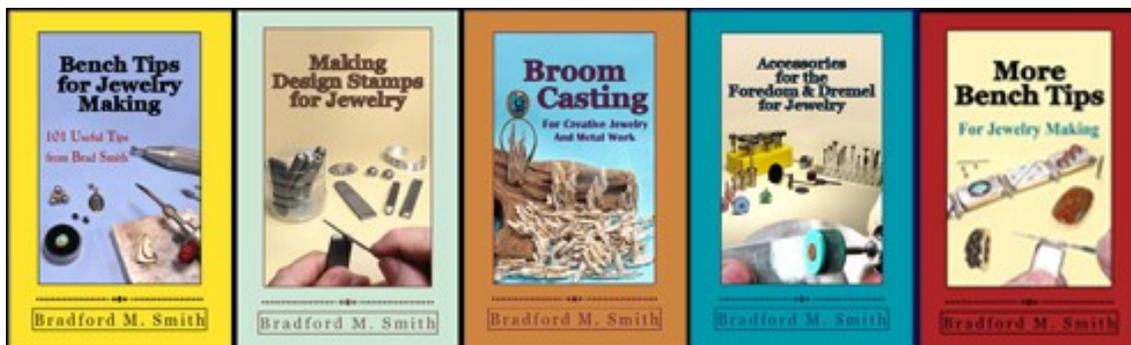
I use these snap-on disks so frequently that I keep multiple mandrels with different grits already mounted in the bur stand. Some mandrels have the grit facing out and some facing in.



EASIER PRONG SETTING

When setting stones in a prong mount, the tool is less likely to slip off the prong if you grind a groove into its face or rough up the face a bit with sandpaper. Some folks prefer a prong pusher for doing this, and others like a set of pliers.

The easiest way to create a slot on the pusher is with a file, and the easiest way to create a slot on one jaw of your pliers is with a cutoff wheel. Then do a rough polish on the slot with a medium grit, knife-edge silicone wheel.



SFMS ROCKHOUND ROUND-UP - 2019

Southeast Federation of Mineralogical Societies (SFMS)

1st annual Rockhound Round-Up.

Who: All Members of all SFMS Clubs are Welcome. From Clubs in good standing with SFMS.
Members in good standing from over 74 Clubs in: AL, FL, GA, MS, NC, SC, TN.

What: A good old-fashion Rock-Swap

When: May 17th, 18th, and 19th, 2019.

Where: Spirit of Suwannee Music Park 3076 95th
Drive Live Oak, FL 32060 (386) 364-1683
www.musicliveshere.com

How Much: For Buyers Only: the only cost is the Admission Fee for the Park
If you have a few rocks in your pockets, you may be able to 'Swap' also.

For Sellers: \$25.00 for a 10' x 20' 'booth' to be a Vendor, plus the Park Admission. The \$25.00 is for the 10 foot by 20 foot vendor booth, for all three days. Park Admission—Paid directly to the Park as a daily fee, each day entering the Park. Place your reservation with the SFMS Contact. Separate email sent with Application. **Vendors MUST have Application and Payment delivered by May 13th 2019.**

For Overnight Stays: The Park offers several overnight or weekend options, Cabins, RV spots, Tent Camp-out locations. There are also nearby Hotel / Motels. Contact the Park directly to make a reservation to stay overnight or for the weekend.

This Rockhound Round-Up is provided in conjunction with our 2019 SFMS 2nd Quarterly Meeting.

◇ Bring rocks you might want to swap with, remember this is a Rock-Swap! ◇ Bring Cash, etc. (The Campground does have 2 ATMs on the premises.) ◇ Vendors may or may not accept credit / debit cards, and may or may not have service. ◇ Bring flyers for your shows in the next season! ◇ Learn more about us, and the Benefits of Belonging to the SFMS! ◇ Rock and Roll with us all weekend!

Rock On!

If you know of a show that is not on this list, please send me the information at shannonb787@gmail.com.

William Holland 6/9-14/2019

Beading

Cabochoons I

Casting

Chain – Loop n Loop

Electro-Etching/Wood Inlay

Metal Manipulation/ Cold Connection

Opals II – Carving

Silver 2 – Fused

Silver I

Silver-Wear I & II

Wire II – Bracelets Only

Wildacres August 19-25, 2019

Beginning Casting

Cabochoons

Chain Maille

Cold Connections

Layered Colored Pencil Jewelry on Metal

Metalwork Special Projects

Wire

Wildacres September 16-22, 2019

Advanced Casting

Chain Maille

Cold Connection

Electro-Etching/Wood Inlay

Introduction to Gem ID

Metal Clay – Tangible Moments

Silver I

Stone Inlay

SFMS Classes 2019

Each of the class names are links to more information about that class.

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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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

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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 Henegar Center, Melbourne, Florida. The time of the Meeting is 7:00PM . Visitors are always welcome.

CANAVERAL MINERAL & GEM SOCIETY
NEWSLETTER: MOONSTONE