

# Canaveral Moonstone



## Presidents Corner



I think the whole world is having a challenge with the Virus driven shutdown. I thought restart of our Gem Society would be simple. As Shannon's note a few days ago said, we are planning to regroup July 1, 2020. However, I have not yet received confirmation from Unity of Melbourne that their Hospitality Room will be available. As soon as I know, I will ask Shannon to send another message to all members.



We have the same challenge with our planned picnic. As soon as we receive a commitment from Palm Bay, an all member note will also be sent.

The good news is that the part of our society that we have under our membership control, our shops are open with reasonable restrictions in the number of members allowed in each area at one time.

I wish all of you and your friends and family good health.



**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 June 20, 2020.**

**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.

# June 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Shop 5:30—9:30 PM	2	3	4	5	6 Shop 8:30AM-12:30PM
7	8 Shop 5:30—9:30 PM	9	10	11	12	13 Shop 8:30AM-12:30PM
14	15 Shop 5:30—9:30 PM	16	17	18	19	20 Shop 8:30AM-12:30PM
21	22 Shop 5:30—9:30 PM	23	24	25	26	27 Shop 8:30AM-12:30PM
28	29 Shop 5:30—9:30 PM	30				

Our June monthly meeting has been cancelled.

These steps have been taken as a safe guard for our group. Many of our members would be high risk for getting very ill from the Coronavirus.

Open shops are back open with the following safety rules in place:

NO VISITOR OR TOURS PERMITTED. At this time the workshop is only open to members.

First Come, First Served.

LIMITED SPACE – Everyone MUST follow the current Social Distancing Rules. Only 2 people permitted in cab room, and only 2 people at the silver benches (diagonal to each other). If the shop steward says the space is full, you must come back another time.

Everyone MUST wear a mask.

ALL equipment and tools used MUST be cleaned and sanitized when finished.

You MUST follow any and all directions from the shop steward AND pay your shop fees.

Stay Safe

## SFMS info on Coronavirus

Florida Department of Health COVID-19 Call Center is Available 24/7 Call: 1 (866) 779-6121 Email: COVID-19@FLHealth.gov For additional information and helpful links regarding COVID-19, Please visit the Florida Department of Health COVID-19 website at [FloridaHealth.gov/COVID-19](https://www.flgov.com/2020-executive-orders/).

<https://www.flgov.com/2020-executive-orders/>

Here are the links to CDC COVID-19 material: <https://www.cdc.gov/coronavirus/2019-ncov/index.html>  
<https://www.cdc.gov/coronavirus/2019-nCoV/hcp/clinical-criteria.html#foot5>

The WHO (World Health Organization) is a major source of information, along with providing the preferred Hand Washing Techniques. World Health Organization (WHO):

<https://www.who.int/news-room/q-a-detail/q-a-coronaviruses>

[https://www.who.int/health-topics/coronavirus#tab=tab\\_1](https://www.who.int/health-topics/coronavirus#tab=tab_1)

WHO Handwashing technique: [https://www.who.int/gpsc/5may/How\\_To\\_HandWash\\_Poster.pdf?ua=1](https://www.who.int/gpsc/5may/How_To_HandWash_Poster.pdf?ua=1)

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**Message from our Webbie  
Sharon Jones**

### STAY CONNECTED

<https://www.facebook.com/Canaveralmgs/>

While everything's shutdown & you're staying home bet you've had time to be creative.

**We all miss each other** and miss getting to show each other what we've been doing. **So let's do what we can to stay together!** Our Facebook site is public, so anyone can see and add to our page. You don't even have to have a Facebook account to see what is posted on this site.

Members, if you sell your creations, feel free to include your business link if you post a picture .

Check out the Facebook page. Post pictures of what you've been making, even if they aren't finished. Post comments/questions on the site.

We miss each other, this helps keep us together as members of this club!

Note: As the admin I monitor and ensure everything on this page is proper, and edifies our club and each other. We are a not-for-profit club and do not sell on this page, but as a member you may post a link to your page. Please be respectful of this.

## Mineral Of The Month – Amber

By Dave Jacobson

This month we will look at amber, fossilized tree sap, succinic acid, with the approximate of chemistry  $C_{10}H_{16}O$ . Amber is in the Mineraloids Class. It does not have the necessary crystalline structure to be classified as a mineral.

Amber has been used since prehistoric times for making jewelry. Some specimens contain fossilized insects or plant material which were trapped in the amber when the sap was still in it's resinous state. Notable finds of amber have occurred in all the Baltic countries, Venezuela, Russia, Rumania, Burma and the Dominican Republic. The primary use of amber is in the making of jewelry and as a specimen in mineral or fossil collection. Specimens containing rare fossilized material are highly prized.

The color of amber can run from light yellow to brown, red, nearly colorless, milky white, blue, black and greenish. Hardness is 2 to 2.5. Specific gravity is typically 1.1 with a maximum gravity of 1.3. It is very light and can float in salt water. Streak is white. It has no cleavage and is brittle with a conchoidal fracture. Amber will burn. It will also fluoresce bluish-white to yellow-green. Amber will also take a charge and attract small particles when rubbed with a cloth. Amber does not belong to any crystal system since it is amorphous, which means it does not have an ordered crystal structure.

I used the following reference materials in preparing this article. Simon & Schusters Guide to Rocks And Minerals. Gemstones of The World by Walter Schumann. Amethyst Galleries Mineral Gallery on the internet (URL is [www.galleries.com](http://www.galleries.com)). If you have internet access and are interested in minerals I suggest you check out this site. Another very good internet site 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 and much more. I don't have any amber in my collection.



**Canaveral Mineral and Gem Society**  
**March 4, 2020 Meeting Minutes**

President Don McLamb opened the meeting Wednesday, March 4th at 7:07 pm at The Unity of Melbourne Hospitality Room, 2401 North Harbor City Blvd.

Don welcomed many new guests and members. He also announced that the response so far from dealers regarding the Parade of Gems was great. Don already has one quarter of the dealers signed up for this coming year. Don explained that the Parade of Gems is our major fundraiser for the year.

Melissa Horan announced Dolly's Picnic will be Sunday, April 19th. We need donations for Dolly's picnic. Rock Swap will be held March 21<sup>st</sup> at Wickham Park.

The minutes from last month was amended to add that the Treasurer's report was read by Liz Ritter. Liz announced that we are raising money by the ongoing classes and raffles. She went over the Treasurer's Report including outstanding checks, expenses and incoming money. She explained that the raffles help to pay for tuition for SFMS summer classes for a few lucky members.

Kathy Burnette announced that we have 5 new members but next month we will be cutting members that have not paid their dues. As such, our membership will be down.

Some of our ongoing classes are: Sharon Jones and Dave Wayment will be teaching silversmithing. Scott Belinger is teaching cabbing and Gail Wall will be teaching Fused glass classes. Shannon Byrd will be teaching wire wrap classes. If you are interested in any of these classes, please contact the teacher and sign up.

Bill Harr told about the classes through SFMS that will be held at William Holland in Georgia and Wild Acres in North Carolina this summer. The classes that will be taught are on the SFMS website. Every time you sign into a CMGS monthly meeting you get an opportunity to enter the drawing for free tuition for one of the SFMS classes. If you are one of the lucky CMGS winners, your tuition for one of the SFMS classes will be reimbursed.

Shannon Byrd announced that if you're not getting the Moonstone Newsletter please let her know.

Dave Jacobson spoke about the mineral of the month, Graphite, one of the softest minerals. He compared it to diamonds, one of the hardest minerals. Graphite occurs in metamorphic rocks and is used in pencils, as dry lubricants, electrodes and many other uses. As always Dave's talk was informative and interesting.

Sue Diebel's program on European Adventures was postponed since she was out sick.

Show and Tell: Scott Belinger taught a few cab classes and many of his students brought in cabs that they made including Hannah Cason, Colin Muir, Denise Giesler, Jim Price, Susan Cash and Wayne Mellish. Scott also displayed some of his cabs. Thanks, Scott, for the great classes and Show and Tell participation.

Lynn McKinny shared cabs and information about them that he made for a belt buckle.

Bill Harr showed and spoke about refractile. He put smokey quartz in Benzo Benzo. He also showed some casting samples of dew on flowers.

Mary Kinberg  
Secretary

## 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)

#### *LITTLE THINGS CAN BITE*

Most jewelers treat motorized equipment with caution. We've all heard stories about workpieces coming loose in the drill press or about getting long hair or clothing caught in the polishing machine. It stands to reason that a machine with a motor of a half horsepower or so is going to win out over its operator. We all know that, and I'm not going to harp on it. That's not the point of this story.

I want to talk about the smaller motor-powered machines we often use, the ones with little 3-inch diameter motors. For instance, these small motors are used in flex shafts and micro buffers. They're so small that many of us forget caution when using them. I'm guilty of it myself sometimes, and believe me it can get you in trouble. Here's what happened to two people I know.

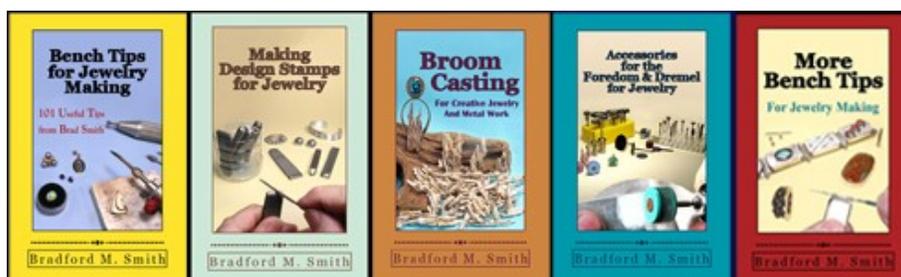
One friend had a polishing bur bend in the handpiece and then whack the thumb that was holding the workpiece. The swelling was substantial, and it took several weeks to regain normal use. A small underpowered motor? Not so.

Another friend was using one of the small buffing machines, the kind you can stop when you apply too much pressure to the wheel. Not to worry about such an underpowered beast you say. Wrong, it literally jumped up and bit the hand that feeds it!

Buffer was set on a low table to do a quick polish, so was not mounted or clamped. A buff was installed on the right spindle, no buff on the left. Friend was wearing a tight-fitting, long-sleeved sweater. While buffing on the right wheel, the left tapered spindle caught a thread on the friend's left sleeve and started grabbing more and more threads and sleeve.

Rather than pulling the arm into the machine, the light buffer quickly lifted off the table and started climbing up the underside of the friend's arm. There was no way to get a hand of the on/off switch because the unit was spinning wildly and battering my friend like a club wielded by a mad man. Only when someone nearby could grab the power cord and yank it from the wall did the mayhem stop.

So when you're in the shop, please think safety. Don't take even the little motors for granted.



Solve Your Jewelry Making Problems With Brad's "How To" Books  
[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

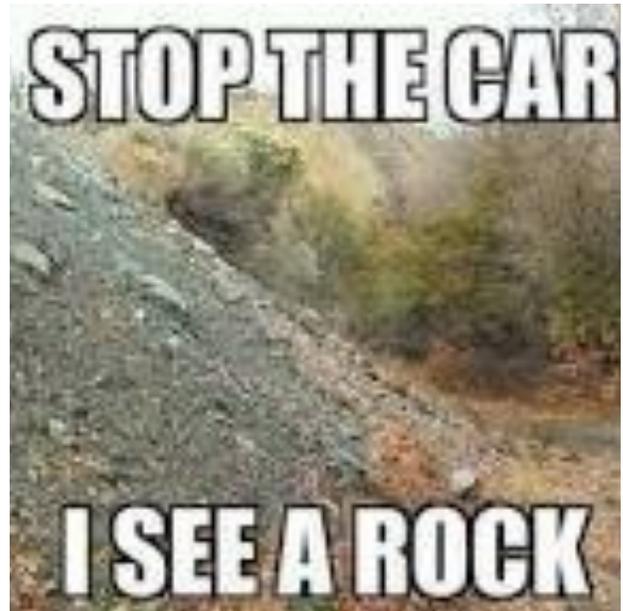
## 2020 SFMS Classes

William Holland June 7 - 12, 2020

# Cancelled

**Wildacres August 17 - 23, 2020**

Bench Making with Danny Griffin  
Cabochons with Buddy Shotts  
Colored Pencil Jewelry on Metal with Mary Karg  
Enameling with Ruth Prince  
Methods of stone setting with Metal Clay with Judi Talley  
Metal Mania with Cindy Moore  
Special Projects with Jeff Sheer  
Seed Beading with Gail Deluca  
Silver I and II with Pattie Appleby  
Southwest Silver with Morning Sherrod  
Wire Wrapping with Rowan Rose-Morgan



**Wildacres Sept 14 - 20, 2020**

Casting with Bill Harr  
Chain Maille with Marilou Hillenbrand  
Electro Etching with Micah Kirby  
Gem Identification with Teresa Polly  
Loop-in-Loop Chuck Bruce  
Metal Mania with Cindy Moore  
Tangible Moments: Capturing the beauty of Nature in Metal Clay with Judi Talley  
Silver I and II with Pattie Appleby  
Southwest Silver with Morning Sherrod

### Single Piece Competition

This year we are including both beginning and advanced divisions for most of the Single Piece Competition divisions. The competition is open to all club members, and will be held in conjunction with the Parade of Gems. All work, with exception of the stone used in the Jewelry and Metal Craft division, must be the work of the entrant. Judging will be done by Dave and Leslie Wayment following the AFMS Uniformed Rules. Each entrant will receive an explanation sheet from the judges. Prizes for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> place will be given. The exact due by date, and whom to give the piece to, will be announced later. If you have any questions, call Dave at 772-532-6432.

**Beading** Either a bracelet, necklace or pendant, containing two or more different beading stitches. Entrant must include with the piece a note card identifying the stitches used, the materials and beads used, and whose design it is. Do not put any means identifying the entrant on the card.

### Faceting:

A stone faceted with a Portuguese cut. Below is one example of a Portuguese cut. Any Portuguese cut may be used. Include a note card identifying the source of the pattern if another pattern is used.

The Portuguese Cut is a popular and time honored design for larger stones. Due to its greater than normal depth it is best matched to stones of light rather than dark color saturation. While the Portuguese Cut has a large number of facets, it can be faceted using straightforward meet point technique. The high degree of symmetry and relative ease with which smaller facets can be polished make this design relatively fast to cut in larger stones. The visual effect of the Portuguese Cut is often described along the lines of "swirling light"

**Beginner** Any Material, natural or man-made, with a finished diameter of 9-11 mm.

**Advanced** Any Material, natural or man-made, with a finished diameter of exactly 6 mm.

Portuguese Cut	
Angles for R.I. = 1.54 and up	161 facets + 16 facets on girdle = 177
16-fold, mirror image symmetry	96 index
L/W = 1.000 T/W = 0.434 T/L = 0.434 P/W = 0.585 C/W = 0.222	H/W = (P+C)/W+0.02 = 0.827 P/H = 0.707 C/H = 0.268
Vol./W <sup>3</sup> = 0.307	Brightness at 0° tilt R.I. = 1.54 COS = 48.5% ISO = 52.5% Brightness at 0° tilt R.I. = 1.97 COS = 65.7% ISO = 76.7%

Pavilion			
g	90.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Cut to equal depth, establish size
p 1	62.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet g
p 2	57.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet g, p1
p 3	52.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet p1, p2
p 4	47.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet p2,p3
p 5	42.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet p3, p4 and at culet



**Club contacts**

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

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**Board of Directors 1yr:**

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

**Librarian:** Sue Diebel, 35 Sapphire St. Melbourne, FL 32904, (321)704-3198

**Bulletin Editor**

Shannon Byrd

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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**