

# Canaveral Moonstone



## Presidents Corner



After some careful thought our Board of Directors have agreed that it is best to delay resumption of our monthly meetings and our picnic plans until September. Plan to join your CMGS friends with enthusiasm!!



At this time, we continue open shop availability with the significant restrictions on masks and the number of members in the various shop areas. If you have any questions please contact Dave Wayment or Keith Stokes.

Plan to support the Parade of Gems Show and Sales November 13, 14 & 15, 2020.

Stay Safe!!

**Don**



**Exchange Bulletins are Welcome**

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

**The Dead Line for the August Moonstone is July 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.

# July 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4 Shop 8:30AM-12:30PM
5	6 Shop 5:30—9:30 PM	7	8	9	10	11 Shop 8:30AM-12:30PM
12	13 Shop 5:30—9:30 PM	14	15	16	17	18 Shop 8:30AM-12:30PM
19	20 Shop 5:30—9:30 PM	21	22	23	24	25 Shop 8:30AM-12:30PM
26	27 Shop 5:30—9:30 PM	28	29	30	31	

Our July and August monthly meetings 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—Galena

By Dave Jacobson

The mineral for this month is Galena (PbS, lead sulphide). Galena is a common mineral and is one of the more important lead ores. It is present in almost all hydrothermal sulphide ore bodies and is associated with pyrite, chalcopyrite and sphalerite. Galena from some locations is silver bearing. Although galena is the leading lead ore, enough silver is recovered during ore processing to make it a leading silver ore. Galena is found in most mineral collections as its cubic shape makes it an interesting specimen. Galena is a common mineral. Some of the more noted sites where galena has been mined are the Texas-Oklahoma-Missouri Tri-State Mining area in the USA; Broken Hill, Australia; Cumberland, England and Santa Eulalia, Mexico.

Galena is in the isometric (cubic) crystal system. Cube shaped galena crystals are very common. The stepped offsets in the faces of these cubic crystals are also very common. Galena has a hardness of 2.5 - 2.7 with a specific gravity of 7.58. Its streak is lead gray. Galena's color ranges from a metallic silver-gray appearance to dull lead-gray. Freshly fractured specimens usually have a metallic luster with the luster diminishing to a duller gray over time. Galena is easy to identify, with its shape, color, hardness and high specific gravity.

Galena gets its name from the Greek, *galene*, meaning "lead ore"

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.

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



**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)

#### PRE-MADE BEZEL CUPS

As a general rule of thumb I assume it's going to take me 15 - 20 minutes to make a bezel for an ordinary cabochon, so for some projects buying pre-made cups can save a lot of time. But if you go this route, keep in mind three things.

First, try to get cups made from fine silver, not sterling. Fine silver is softer and burnishes over the stone more easily.

Second, you may have trouble matching the shape and size of the stone with the shape and size of the bezel cup. Purchased cups can only be found in a limited number of standard sizes. You may have to adjust your choice of gemstone to match the cup. The other consideration is that pre-made cups often have fairly low side walls. While these are fine for low-dome stones, they're not dependable for stones with steep side walls.

Lastly before setting, check the fit of your gemstone in the cup, particularly around the bottom. The bottom corners of a stamped cup are much more rounded than a bezel you would fabricate yourself. This causes a problem with stones that have a sharp edge around the bottom. Burnishing the bezel over one of these stones will place a lot of stress on the stone and may cause it to crack. To avoid this, I round off the bottom edge of the stone with a diamond file (or use sandpaper on soft stones).



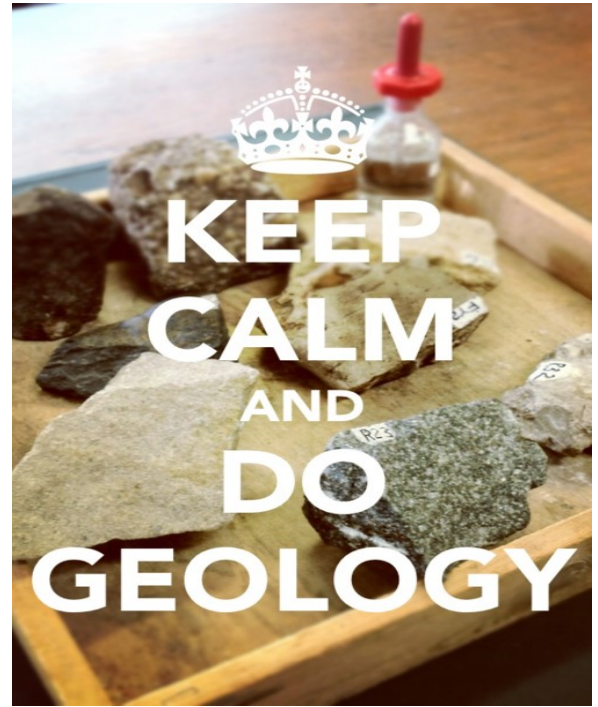
Solve Your Jewelry Making Problems With Brad's "How To" Books  
[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)



## 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"

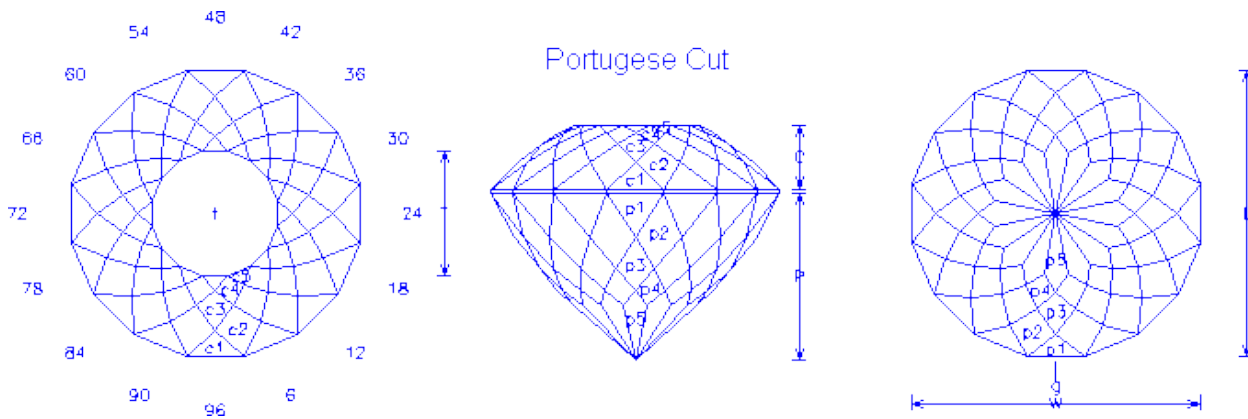
**Beginner** Any Material, natural or man-made, with a finished diameter of 9-11 mm.

**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

Crown			
c 1	46.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet g, cut level upper girdle line
c 2	41.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet g, c1
c 3	36.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet c1, c2
c 4	31.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet c2, c3
c 5	26.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet c3, c4
t	0.00	Table	Meet c4, c5



**Jewelry and Metal Craft**

**Beginner** A Pendant with a bezel set stone, using a minimum of 4 techniques. The stone may be any size between 12 and 40 mm and may be purchased. A note card must be included identifying the materials and techniques used.

**Advanced** A ring or pendant, using any 2 metals with a hand-made basket/prong setting for setting a stone. The stone may be any size between 6 and 55 mm and any shape, and may be purchased. A note card must be included identifying the materials and techniques used.

**Cabochons**

**Beginner** A 24x10mm Oval, made from any material. The pattern is found on the blue cabochon pattern plate. The cabochon will be evaluated using the pattern for sizing.

**Advanced** A NON-Traditional or Freeform cabochon, containing an inside or concave curve. Any material may be used, any finished size is acceptable.

**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

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

**Membership Chairman:** Kathie Burnette, 554 Veracruz Blvd, Indialantic, FL 32903, (321) 693-9719

**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:**

**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**