

Canaveral Moonstone



Presidents Corner

A little good news to start with

I have had some of our regular dealers call with concern about the 2020 Parade of Gem Show & Sales. I spoke with the Melbourne Auditorium office. We should have no problem with our show. They had held a gun show a couple weeks ago with a Huge turnout. The restriction for attendees were that the maximum allowed inside at one time was 500, resulting in a long waiting line outside. Our total for a whole day is typically 600.

We have not yet consolidated our September (?) plans for our meeting or picnic. The Unity facility is not permitting “outside” attendance and they have no plan at this time to open. Depends on the virus progression. Your Board of directors are trying to work out a safe plan.

Don



Exchange Bulletins are Welcome

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

The Dead Line for the September Moonstone is August 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.

2020 AUGUST

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 Open Shop 8:30AM -12:30PM
2	3 Open Shop 5:30AM -9:30PM	4	5	6	7	8 Open Shop 8:30AM -12:30PM
9	10 Open Shop 5:30AM -9:30PM	11	12	13	14	15 Open Shop 8:30AM -12:30PM
16	17 Open Shop 5:30AM -9:30PM	18	19	20	21	22 Open Shop 8:30AM -12:30PM
23	24 Open Shop 5:30AM -9:30PM	25	26	27	28	29 Open Shop 8:30AM -12:30PM
30	31 Open Shop 5:30AM -9:30PM					

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Our August 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 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.

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

WHO Handwashing technique: https://www.who.int/gpsc/5may/How_To_HandWash_Poster.pdf?ua=1



**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—Halite

By Dave Jacobson

This month I am writing about a mineral we all should be familiar with, halite, NaCl, Sodium Chloride, also known as rock salt. Halite is a member of the halide group of minerals. Halite is formed as an evaporate mineral in ancient, dry, salt lakebeds. It is also found in sedimentary deposits on bedrock where ancient saline bodies of water have evaporated. These sedimentary halite deposits are plastic and in the gulf coast states such as Texas and Louisiana have pushed up the overlaying sediment due to tectonic forces (pressure and heat) forming salt domes trapping minerals such as sulphur, gypsum and anhydrite. Salt domes can also form traps for petroleum deposits. “In a salt dome, a cylinder or cone-shaped formations of salt pushes up through sedimentary rocks, causing the rocks to arch and fracture in its path. Petroleum may accumulate above or along the sides of such a formation.” The sedimentary deposits are also mined for the salt. Halite is found all over the world. There are large deposits at Stassfurt, Germany; Wieliczka, Poland; Cardona, Spain and Salzkammergut, Austria. In the UAS there are major deposits in New York, Michigan, Kansas, New Mexico, Utah and Searles Lake, California.

Halite is in the isometric crystal system. Crystals typically grow in cubes. It also grows in an interesting shape called a hopper crystal. Envision a cube with steps into the cube from the outer edges, forming a stepped hopper. Most commonly it is found as massive material. It can also be granular and fibrous. Halite can be colorless, white, red, yellow, orange, pink, green, blue, violet and gray. Hardness is 2 –2.5. Specific Gravity is 2.1. Streak is white. It is salty to taste, but I don't recommend you go around tasting minerals as some can be harmful. Some minerals that resemble halite are poisonous. Some specimens fluoresce red under short wave UV

Halite takes its name from the Greek, hals meaning “salt.

Halite is an industrial mineral, which has many uses. Some are table salt and salt licks for livestock. Rock salt is used for deicing roads in northern climates. It is also a source of both sodium and chlorine which are used in the chemical industry.

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. The Audubon Society Field Guide to North American Rocks And Minerals Ultraviolet Guide To Minerals by Sterling Gleason Amethyst Galleries Mineral Gallery on the Internet at <http://mineral.galleries.com>. <http://www.minerals.net/mineral/halides/halite/halite.htm>



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 21st 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)

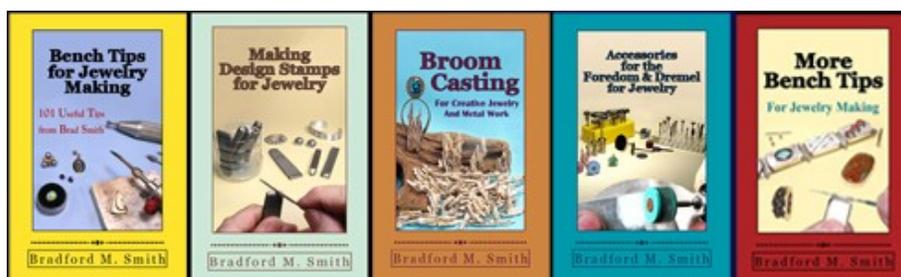
DO BEZELS SHRINK

The engineer in me says there's no reason a bezel should shrink when I solder it onto a base plate, but I sometimes find that the stone won't quite fit into the bezel that was perfect just before soldering.

If that ever happens to you, here's a fix that usually works for those times when there's just a minor problem. I file or sand the stone down a little around its base. For soft cabs like turquoise, lapis, jet or Howelite, you can use a sanding stick. Harder cabs like jasper or agates will require a diamond file. In a pinch, a ruby nail file from the drugstore will work.

There are two important things to remember when doing this. First, you can only make a minor adjustment to the stone's size. All filing or sanding has to be hidden by the bezel because it takes the polish off the stone.

Secondly, remember to round off all sharp edges on the bottom of the stone. A sharp edge here might sit on a little extra solder that's in the bottom joint of your bezel. Just a little bump here can put enough stress the stone to risk breakage when you burnish the bezel down over the stone.

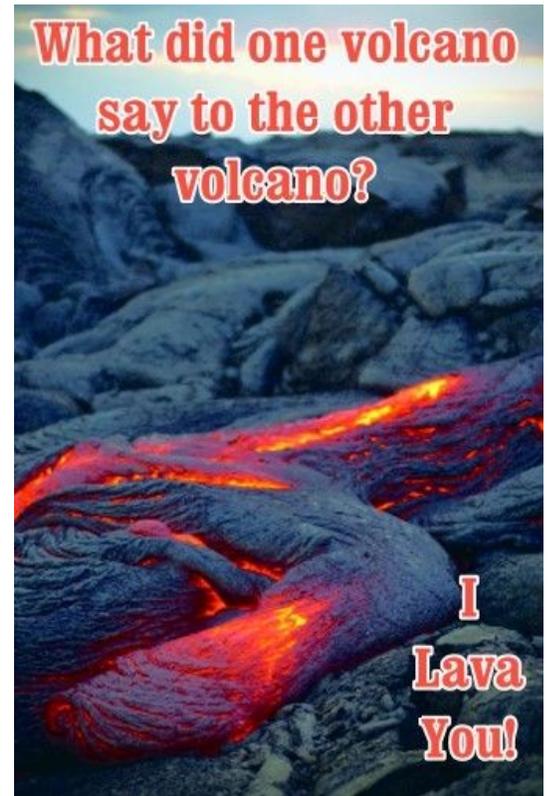


Solve Your Jewelry Making Problems With Brad's "How To" Books
[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

2020 SFMS Classes

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 1st, 2nd and 3rd 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"

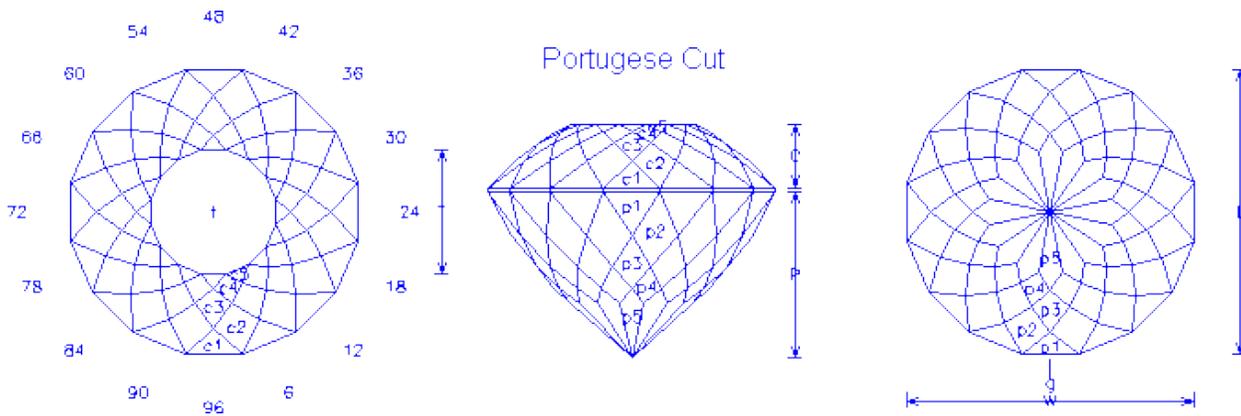
Beginner Any Material, natural or man-made, with a finished diameter of 9-11 mm.

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 ³ = 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.

Cabochohs

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