

# Canaveral Moonstone



## Presidents Corner



I hope all are continuing to be careful to avoid the Covid19 Virus infection!!

We have secured our locations for our October, November and December monthly meetings; 7:00 to 9:00pm. October 7 will be in the Melbourne Auditorium, West wing; November 4 and December 2 at the Front Street Civic Center. I highly recommend that we continue meeting at the Front Street location for all 12 meetings in 2021.



At this time all of our tables for the Parade of Gems are committed. There are a few contracts that have not been returned (they have promised they are in the mail) so I may have to do some last-minute searches but our advertisement in the Rock & Gems magazine has provided me some more opportunities.

Our team supporting the November 13 & 14 Show are led by:

### **Advertising**

**News print; Christine Miller**

**Electronic; Sharon Jones plus lots of helpers**

**Street Signs; William Harr**

**Silent Auction; Michael McKeon**

**Demonstrations; Art DeLaurentis**

**Prizes; Art DeLaurentis**

**Bea's Kid's Digs; Keith Stokes**

**Fluorescence display; Keith Stokes**

**Membership; Kathy Burnette**

**Gemstone Competition; Dave Wayment**

Sign-up sheets, providing members with the opportunity to join in this weekend major club event, will be available at the October and November meetings.

**Don**



**Exchange Bulletins are Welcome**

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

**The Dead Line for the November Moonstone is October 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 **Melbourne Auditorium**, 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.

# October 2020

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

## Meeting Places

October business meeting will be held at the Melbourne Auditorium.

November 4 and December 2 will be at the Front Street Civic Center

Keep in mind that social distancing and mask wearing are required for the safety of our members due to Covid19.

## Message from our Webbie Sharon Jones



### STAY CONNECTED

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

**SHOW & TELL:** We've been posting pictures of member's work during the Covid-induced shutdowns...so for the October meeting, let's see those cool pieces in person during Show and Tell at the meeting!

**HELP PROMOTE OUR ANNUAL SHOW:** We'll shortly be posting the "Event" via Facebook. Last year we really increased our attendance using this method and our vendors told us they appreciated it! Please be on the lookout for that posting and please SHARE, SHARE, SHARE...if you don't know how, send us a message on FB, on the web, or [webiecmgs@gmail.com](mailto:webiecmgs@gmail.com). You can also point people to our page, its Public so you don't even have to have a Facebook account to see it!

Think about how many more people see something if each of us shares it! There's a LOT more publicity if your friends see it! This year we'll need all the help we can get in every aspect of the show. Start thinking of ways you can help and let our show chairman, Don, know you're what you can do to help.

We've had a few folks join even during our shutdown. They've already been working in our workshop! If you're not coming to open show, you're missing the fun. We are being responsible, keeping distance, and wearing masks.

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.

---

## Pictures Wanted

If anyone has any semi-recent pictures; such as Show pictures, Class work pictures, any lapidary item pics, etc. etc., that can be used for the Rack Cards &/or Post Cards

To please send a **.jpg** copy to Liz Ritter at [camelot@camelotrvpark.com](mailto:camelot@camelotrvpark.com)  
In the Subject line, Please put **GEM Club pics** or something similar.

Thanks for you help!



Liz Ritter

## Mineral of the Month - Borax

By Dave Jacobson

This month I am writing a few words about a mineral you most likely have used as a flux if you have done any casting. It is borax,  $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ , hydrated sodium borate. It is found in evaporate deposits in dry lakebeds called playa deposits in desert regions. A playa is a temporary lake, which is filled water from mountain runoff during the rainy season. In playa's where borax is found the mountain runoff is rich in boron. Evaporation concentrates the boron forming borax and other borate minerals. It is associated with halite, trona, ulexite and other borate minerals. When borax loses water it alters to a mineral called tincalconite,  $\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$ , a pseudomorph, which retains the shape of the original borax crystal. Borax was originally discovered in Tibet. Today it is mined in many parts of the world including California; Stassfurt, Germany; Tuscany, Italy; and the Atacama Desert in Chile.

Borax is in the monoclinic crystal system. Crystal habits can be blocky and prismatic, often with square cross sections. The material can be massive. It also forms crusts. The crystals are transparent to translucent. When the crystal alters to tincalconite it turns white maintaining the original crystal form. The range of colors is colorless, white, yellowish or bluish. Streak is white. Hardness is 2 - 2.5. Specific Gravity is 1.7. It has a sweet alkaline taste but I don't recommend tasting any minerals, as it can be hazardous to your health. It fuses easily to a small glass sphere, which colors the flame yellow. The yellow flame is an indicator of sodium. Borax also is soluble in water.

Borax is mined as an important economic mineral. Some of its uses are in glass manufacture, pottery glazes, flux, fire retardant, water softener and fertilizer. A transparent borax mineral specimen would have to be sealed to maintain its appearance. When altered to tincalconite it is relatively stable specimen.

Borax takes its name from the Arabic *buraq*, for white.

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>.

*Boron Minerals of Death Valley* by Celeste Cosby, Jeanette Hawkins, Jani Kushla and Molly Robinson at <http://www.science.smith.edu/departments/Geology/dv/Boron/home.html>



## Canaveral Mineral and Gem Society September 2, 2020 Meeting Minutes

President Don McLamb opened the meeting Wednesday, September 2nd at 7 pm at The Melbourne Front Street Civic Center.

He discussed the Parade of Gems scheduled for November 14 & 15<sup>th</sup>. Please sign up and help out. Everyone will be needed. The sign-up sheets will be at the meetings and also on the member's website. We only have 6 tables that are not spoken for at the Parade of Gems.

Advertising is very important. Sharon Jones asked that we post the Parade of Gems on Facebook and social media. It boosted our attendance last year and made a huge difference. Don't forget to share the posts with your friends!

Everyone likes the Silent Auction – please bring donations to the next few meetings or contact Mike McKeon. Art DeLaurentis will also be in charge of the hourly prizes and demonstrations. Please also donate jewelry to Art for the hourly prize. Keith Stokes is in charge of Bea's Kids Digs and Kathy Burnette is in charge of membership. Sharon Jones also reminded everyone about participating in the Jewelry Competition. This year we will have a Beginner and Advanced division.

Vice President – Nancy Stark: Nancy asked if anyone has ideas for the programs for the next few meetings, please volunteer to help. She also announced a board meeting on Wednesday, Sept 9 to discuss filling board positions for next year.

Treasurer's Report – Liz Ritter: Liz went over expenses for the last few months and money coming into the club. The Treasurer's Report was distributed to the members.

Membership – Kathy Burnette: Kathy said we have 120 members right now. We are also accepting membership applications through the website and Facebook. Please renew your membership now so you will continue to receive your newsletter and stay active.

Secretary- Mary Kinberg did not attend the meeting. The minutes from the March 4<sup>th</sup> meeting were voted on and approved.

Education Chairman – Dave Wayment: in order to work in the workshop, you must be checked out on equipment by Dave or Keith Stokes. Open shop is Monday, Thursday and Saturday. Thursday evenings are now open if we have any teachers that would like to teach a new class. Please call Dave Wayment to arrange this or if you would like admission to the shop.

Dave Jacobson spoke about diamonds, the hardest mineral on the Mohs scale, with a reading of 10. Diamonds are found in Africa, India, Brazil, Russia, Australia and even in Arkansas.

Sue Diebel said we have had donations for the library.

We had an amazing Show and Tell! Debbie Jorgensen shared a beautiful turquoise pendant with silver leaves. She also finished a Tiger Eye silver ring. Sharon Jones shared bracelets, rings and a beautiful opal filigree necklace. Casey, Anthony, Jim and Jan all took the cab class by Scott Belinger and displayed wonderful cabs that they cut and polished. Art DeLaurentis shared some amazing projects, a turquoise ring, a lapis and labradorite ring and an inlaid bracelet with turquoise and silver balls. Sharon modeled a fantastic chain mail vest that Shannon Byrd made. Wow! Thanks for sharing incredible projects!

Minutes taken by Pat Shannon & Deb Jorgensen

## 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)

#### PROBLEMS WITH SMALL DRILLS

Drilling small holes can be a problem. With drills that are less than 1 mm (18 gauge or .040 inches), some chucks will not tighten down well enough to hold the drill securely.

The problem is easily solved in either of two ways - with a chuck adapter or by buying your small drills with a 3/32 inch shank size. Either way you have a large shank to be gripped in your drill press, Foredom or Dremel, so changing bits is fast and easy.

-----

#### 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)

## Up coming Rock and Gem Shows

November 7 & 8, 2020

Tampa Bay Mineral & Science Club  
Plant City, FL

<https://www.tampabayrockclub.com>

### **Canaveral Mineral & Gem Show – 11/14/2020**

Start Date: 11/14/2020 End Date: 11/15/2020

Venue: Melbourne Auditorium

Address: 625 E Hibiscus Blvd, Melbourne, FL 32901

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

January 8, 9, and 10, 2021

Pinellas Geological Society, Inc.

Largo Cultural Center, Largo, FL

<https://www.PGS.Rocks>

January 18 & 19, 2021

Tomoka Gem & Mineral Society

<https://www.tomokagms.org>

February 6 & 7, 2021

Central Brevard Gem Society

Merritt Island, FL

<https://www.centralbrevardgems.org>

February 13 & 14, 2021

Treasure Coast Rock & Gem Society

Vero Beach, FL

February 27, 2021

Bone Valley Gem, Mineral & Fossil Society Lake-  
land, FL

<https://www.bonevalley.net>

March 5, 6 and 7, 2021

SFMS Region

<https://www.AmFed.org/SFMS>

March 13 and 14, 2021

Tampa Bay Fossil Club

<https://www.tampabayfossilclub.com>



### 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"

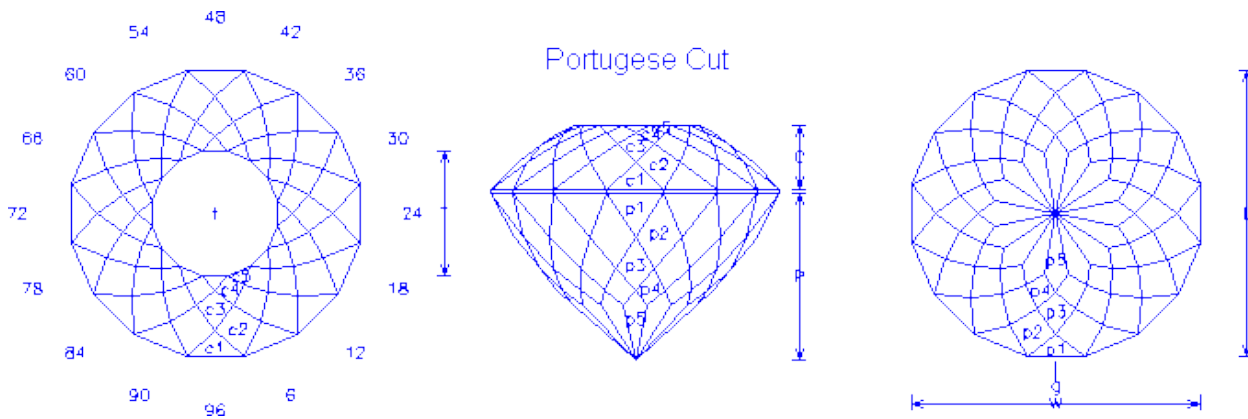
**Beginner** Any Material, natural or man-made, with a finished diameter of 9-11 mm.

**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.

**Cabochoons**

**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

**CMGS Nominating Committee Recommendations 2021**

**Member Voting At November Meeting**

President	Melissa Horan
V President	Nancy Stark
Recording Secretary	Mary Kinberg
Treasurer	Liz Ritter
Membership Chair	Kathie Burnette
Education Chair	Dave Wayment
Correspondence Secretary	Lynn McKinney
Bulletin Editor	Shannon Byrd
Librarian	Sue Diebel
Board of Directors 3yrs	Keith Stokes
Board of Directors 2yrs	Dave Jacobson
Board of Directors 1yr	Mark Heathman
Board of Directors Past President	Don Mc Lamb

**Bulletin Editor**

Shannon Byrd

2225 Ladner Rd NE

Palm Bay, FL 32907

Email: shannonb787@gmail.com

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

**CANAVERAL MINERAL & GEM SOCIETY**  
**NEWSLETTER: MOONSTONE**