

Canaveral Moonstone



Presidents Corner



I hope all of you are enjoying the almost Fall weather!!

Our November meeting will again be at the Melbourne Front Street Civic Center, 7:00 to 9:00pm. There is some important business for us. The nominating committee has met and will submit their recommendations! We will have our election of our leadership for 2021!!



We will discuss the support needs that require CMGS support that always ensures our always successful Parade of Gems Show & Sales; this year on November 14 & 15. We need additional volunteers to support:

Electronic Advertising, Sharon Jones
 Street Signs; William Harr
 Admissions; Liz Ritter
 Silent Auction; Michael McKeon
 Demonstrations; Art DeLaurentis
 Prizes; Art DeLaurentis
 Bea's Kids Digs; Keith Stokes
 Fluorescence Display; Keith Stokes
 Membership; Kathy Burnette
 Gems Competition; Dave Wayment



In addition, ALL members should plan to attend the show at least one day, wearing your CMGS badge!! (Buying something would be a positive!)

CMGS needs someone to accept responsibility for the 2021 Parade of Gems. I will be a member of the Board as the Past President and will be available to help.

My opinion is that the By-Laws should be amended to add to the Board the positions for the Membership Chairman and the Parade of Gems Chairman!

Don

Exchange Bulletins are Welcome

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

The Dead Line for the December Moonstone is November 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 Front Street Civic Center. 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.

November 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<i>1</i>	<i>2</i> Open Shop 5:30PM-9:30PM	<i>3</i>	<i>4</i> Monthly Meeting 7PM	<i>5</i> Open Shop 5:30PM-9:30PM	<i>6</i>	<i>7</i> Open Shop 8:30AM-12:30PM
<i>8</i>	<i>9</i> Open Shop 5:30PM-9:30PM	<i>10</i>	<i>11</i>	<i>12</i> Open Shop 5:30PM-9:30PM	<i>13</i>	<i>14</i> <u>Parade of Gems 10-5PM</u>
<i>15</i> <u>Parade of Gems 10-5PM</u>	<i>16</i> Open Shop 5:30PM-9:30PM	<i>17</i>	<i>18</i>	<i>19</i> Open Shop 5:30PM-9:30PM	<i>20</i>	<i>21</i> Open Shop 8:30AM-12:30PM
<i>22</i>	<i>23</i> Open Shop 5:30PM-9:30PM	<i>24</i>	<i>25</i>	<i>26</i> Thanksgiving Day—No Open Shop	<i>27</i>	<i>28</i> Open Shop 8:30AM-12:30PM
<i>29</i>	<i>30</i> Open Shop 5:30PM-9:30PM					

Meeting Places

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.

The Parade of Gems is Nov 14 and 15 at the Melbourne Auditorium.

Come out and see the amazing rocks and gems. Our Vendors are selling unique gift ideas. If you are available on either Saturday or Sunday, come help with the silent auction or collections at the door. Bring your badge and let the vendors know we appreciate them coming to our show.

Remember to bring your donations for the silent auction to the meeting November 4.

Canaveral Mineral and Gem Society
October 7, 2020 Meeting Minutes

President Don McLamb opened the meeting Wednesday, October 7th at 7:04 pm at The Melbourne Auditorium, 625 E. Hibiscus, Melbourne, FL. Don welcomed new guests and discussed the Parade of Gems scheduled for November 14 & 15th. All spaces are committed and we do have a waiting list. Everyone is required to wear masks. The auditorium does have a max of 500 people so it will be tricky to figure out how many people are coming and how many are leaving. Please sign up and help out.

Michael McKeon is collecting donations for the silent auction for the Parade of Gems. Please look through your items and try to donate for the auction. If you need him to pick something up, let him know. Art DeLaurentis is looking for people to help with the hourly demonstrations and donations for the hourly raffle prizes at the Parade of Gems. Please let him know how you can help.

Sharon Jones will be collecting pieces for the competition that will be held at the Parade of Gems. The rules and information was printed in last months Moonstone. Kathy Burnette will need some help with the membership desk as will Liz Ritter with manning the door. Liz also asked everyone to put out, "rack cards" advertising the POG at local restaurants, shopping malls and centers of business. Please make sure you sign up either online or at the November meeting.

Everyone will also be needed to put out signs, please make sure you pick them up at the Nov 4th meeting or from Bill Harr. Please also post announcements advertising the show on Facebook and social media.

Advertising is very important! It boosted our attendance last year and made a huge difference. Share the posts with your friends!

Vice President – Nancy Stark: After the regular meeting, Nancy went over the available board positions.

Treasurer's Report – Liz Ritter: Liz discussed the monthly income and expenses of the club.

Membership – Kathy Burnette: Kathy reported that our membership is 120.

Secretary- Mary Kinberg: The draft September minutes read, "The Treasurer's Report is distributed to the members. " Liz Ritter asked to amend the September minutes. She said members are welcome to ask for a copy of the Treasurer's Report but it is not distributed to members. This change to the minutes was voted on and approved as were the amended September minutes.

Education Chairman – Dave Wayment: Dave reminded everyone that the shop is now open Monday and Thursday evening and Saturday morning. Please wear your name tag while in the shop and a mask is required.

Dave Jacobson spoke about the mineral of the month - Borax. Great information!

New business – Stephanie Murphy announced that she thought it would be a good idea for the club to buy a plaque for Roy and Barbara Deere and hang it in the workshop because of all they contributed to the club. Both valuable members died in the past year. After discussion, it was tabled for the board to look into the matter.

Show and Tell: Anthony Boone shared some rocks including jasper and quartz from his trip to Wyoming. Melissa Horan and Scott Bellinger have been teaching great classes at the workshop. Meg and TJ Herbert and Janine and James Ragan brought in some of the amazing items they have been working on. Thanks for sharing!!

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)

FILIGREE WIRE

Making wire for filigree is quite simple. Take a double strand of 24-26 gauge silver wire, twist it tightly, and then flatten it a bit. While the basics are straightforward, here's a few tips that will quickly make you an expert with filigree.

Filigree looks best when the wire has a very tight twist. The way I do this is to start with dead soft wire and twist it until it breaks. It always seems to break on one end or the other. I like to use a screw gun, although a Dremel or Foredom also works well. Be sure to keep a little tension on the wires as you twist. Then to get a real tight twist, I anneal the wire and twist it a second time until it breaks.

The final step in prepping the filigree wire is to flatten it slightly with a planishing hammer or rolling mill. The amount of flattening is a personal preference. I like to reduce the diameter about 25%. The wire will be quite still at this point, so it's best to anneal it again before starting to make the filigree shapes.

Annealing the fine wire can be tricky. For a good anneal, all areas of the wire must be heated uniformly to just barely red and then immediately quenched in water. It's so easy to melt the wire if you're heating with a torch. The easiest way is to use an oven set at about 1150 F. Bend the wire into a coil, heat it for 5 minutes, and quench. If no oven is available, place the coil on a piece of copper or steel sheet and heat from the bottom.



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>

Mineral of the Month—Calcite**By Dave Jacobson**

Calcite is the common crystalline form of natural calcium carbonate (CaCO_3), the basic constituent of limestone, marble and chalk. Calcite is one of our more common minerals and located just about every where, even forming in pockets in the cochina rock found along the beach in Brevard County. Calcite is noted for the variety of its crystal and massive forms and is represented in most mineral collections.

Calcite is a carbonate mineral with crystals in Hexagonal system. It is mostly colorless, white or various pale tints, although it can be any color depending on the mineral impurities associated with the calcite. Its hardness is approximately 3 with a specific gravity of 2.7. One of the tests for calcite is the use of cold hydrochloric acid. Calcite will bubble vigorously when a drop of hydrochloric acid is applied to the specimen. Some varieties of calcite will fluoresce with ultra violet such as those from Franklin, New Jersey. Calcite from Franklin fluoresces red due to the manganese activator in this material. Calcite gets its from the Latin calx, calis, "lime", originally from the Greek chalx "burnt lime".

The information on the origin of the name is from the book MINERALOGY FOR AMATEURS by John Sinkankas.



Message from our Webbie Sharon Jones



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

PLEASE JOIN THE FUN! Enter our Parade of Gems (annual show) Competitions

You can win money and fame!!!

YES YOU ARE "GOOD ENOUGH" to enter the competitions!!!

(Sometimes you're the only entrant for a category to be judged!!!)

We really want to see lots of members participating. Pieces will help visitors at the show see what you can learn if you join CMGS.

There are two separate competitions:

1. Members' Favorite (this becomes the Grand Prize for show attendees...and entitled you to bragging rights & smack talk for a year), and
2. The Judged Competitions.

Members' Favorite: Bring any type of jewelry you've created to be displayed at the November meeting. The pieces will be numbered and member's "vote" by placing the number of the piece they like best in a bag. The piece that gets the most votes wins. The winning piece is donated as The Grand Prize at our show. The winner will be announced at the meeting. (Note, winner will be reimbursed for the cost of your materials, up to \$75. In years past, there have sometimes been only three pieces in this contest. Hardly gives the winner bragging rights...lol

Judged Competition: Single Piece Competition in various categories. You may enter a piece in every category, but no more than one piece in each. 1st-3rd prizes will be awarded a certificate for POG Bucks which can be spent at the show.

Judged Competition pieces must be delivered to Sharon Jones NO LATER THAN THURSDAY, OCTOBER 29. She can meet you during open workshop or you can make arrangements to drop items off at her house. Email or call her to schedule pickup, sharonsdivajewelry@gmail.com or 321-768-6762 (home phone). This will allow us enough time to have each piece judged fairly. Be assured your pieces will be kept safe during judging and the show, and will be returned to you at the end of the show. DO NOT LEAVE YOUR PIECES AT THE SHOP! Sharon will have the labels you will fill out for each submission.

No matter your skill level, be gutsy and join this Judged Competition....you're competing against the **American Federation of Mineralogical Societies** rules, not one another.

You've received an email with all the details for each of the single piece competition requirements and diagrams (where applicable), they were also included in last month's Moonstone. The info is also posted at the workshop.

THE ANNUAL SHOW IS ON FACEBOOK, as an event, please, if you use Facebook at all, Follow, Like, and Share our Event. Here's the link <https://fb.me/e/91NZNoR7E> By doing so you spread the word exponentially and this makes our advertising dollars stretch to the max! If you don't understand how to do this, contact Sharon Jones

You can win money and fame!!!
Sometimes you're the only entrant for a categories to be judged!!!
We really need LOTS of participation.
YES YOU ARE "GOOD ENOUGH" to enter the competitions!!!

2020 POG JUDGED COMPETITION DETAILS

Two types of competitions:

- Club Favorite/Parade of Gem's Grand Price - Bring any type of jewelry you've created to be displayed at the November meeting. Member's will "vote" on the piece they like the most. The piece that gets the most votes becomes the Grand Prize for the Parade of Gems. The pieces will be numbered and member's vote by placing the number of the piece they like best in a bag. The piece that gets the most votes wins. (Note, you will be reimbursed for the cost of your materials, up to \$75 if your piece is the winner.) The winner will be announced at the November meeting.

Judged Competition No matter you skill level, be gutsy and join the competition....you're competing against the http://amfed.org/rules/AFMS_Rules_2017.pdf, not one another. We will display your pieces at the show (securely behind glass), which helps people see what they can learn by joining

- us. PLEASE JOIN THE FUN! And winners get POG Bucks to be spent at vendor's booths at the show.
 - o Prizes to be awarded at the show for each category, 1st Place - \$25, 2nd Place - \$15, and 3rd Place - \$10. Check at the Member's Area at the show to see how you placed and collect your winnings!

- o Judging will be done by Dave and Leslie Wayment following the AFMS Uniformed Rules.

Points are awarded per those rules to determine how you place in the category(s) you enter. Following judging, each entrant will receive an explanation sheet from the judges with critique. This is extremely helpful to continue to improve in your skills and done kindly.

- o Items will be judged on quality of workmanship and labeling accuracy.

Note: on the label accompanying your piece to be judged:

Do not include your name on the label attached to your piece for judging. However, make sure your name and description of your piece are given to Sharon so your piece(s) can be returned to you following the show.

Sharon will supply two labels for you to fill out when you give her your piece(s). One to be included with the piece submitted to the judges, and one label that Sharon will keep so she can return the correct pieces to their owners following the show (see examples below). **

Single Piece Competition - This year we are including both beginning and advanced divisions for most of the Single Piece Competition divisions. All work, with exception of the stone used in the Jewelry and Metal Craft division, must be the work of the entrant.

- Beading - may be a bracelet, necklace or pendant, containing two or more different beading stitches.

Entrant must include a label with the piece identifying the stitches used, the materials and beads used, and whose design it is (if not your original design).

- 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 label 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 label 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 in the workshop capping room. 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.

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"

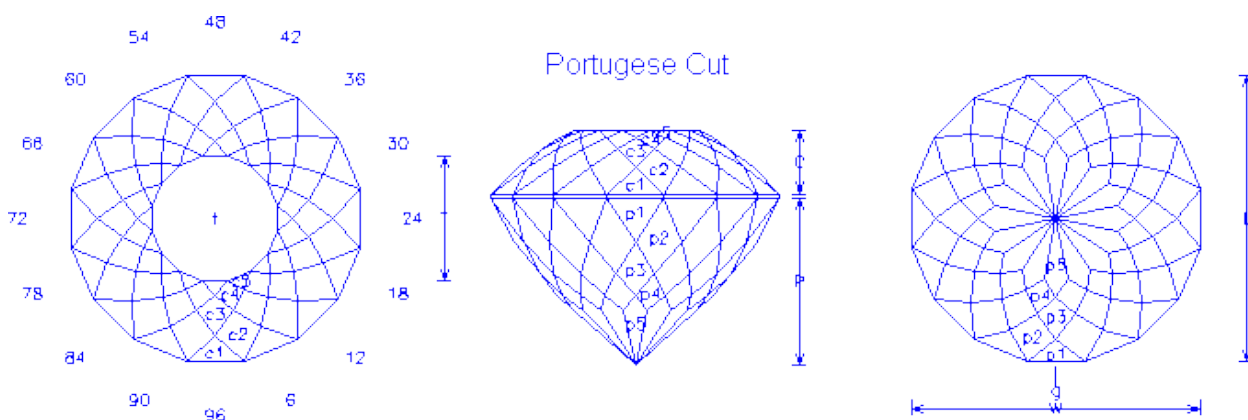
- Beginner: Any Material, natural or man-made, with a finished diameter of 9-11 mm. -

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.

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.

Judged Competition pieces must be delivered NO LATER THAN THURSDAY, OCTOBER 29 to Sharon Jones. She can meet you during open workshop or you can make arrangements to drop items off at her house. Email or call her to schedule pickup, sharonsdivajewelry@gmail.com or 321-768-6762 (home phone). This will allow us to have each piece judged fairly. Be assured your pieces will be kept safe during judging and the show, and will be returned to you at the end of the show. DO NOT LEAVE YOUR PIECES AT THE SHOP!

****Special note re Judged Competition Pieces:** As noted above, labeling is part of the judging process and points awarded/deducted on labeling as well as quality. Sharon will supply the label to be included for the judges as well as a label for her records to insure your piece is returned to you following the show.

EXAMPLE: This label to be submitted FOR JUDGING with your piece will include:

Category Beginning/Advanced *

Materials*

Stitch(es)

Pattern Designed by:*

Stone ID*

Size**to be filled in if applicable to particular category

EXAMPLE: This label to be kept by Sharon so she can return your piece(s) to you at the end of the show:

YOUR NAME:

CATEGORY:_____

BRIEF DESCRIPTION/MATERIALS/COLOR ETC.

PHONE:

EMAIL:

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