

Canaveral Moonstone



Presidents Corner

I am going to speak for all of us in saying good riddance to 2020!

I am firmly believing that 2021 can only be a blessing to all of us.

I am looking forward to leading our group in the same strong direction we have been following all these years under the dedicated and decisive leadership from Don McLamb.

He has left some big shoes to fill and regardless of my small stature, I have a can do attitude and determination to take us forward.

For at least the next three months our monthly meeting will be held at Front street civic center. Looking forward to seeing all of you January 6th at 7pm.

Melissa



Exchange Bulletins are Welcome

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

The Dead Line for the February Moonstone is January 20, 2021.

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.

January 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4 Open Shop 5:30PM-930PM	5	6 Monthly meeting at Front Street Civic ctr	7 Open Shop 5:30PM-930PM	8	9 Open Shop 8:30AM-12:30PM
10	11 Open Shop 5:30PM-930PM	12	13	14 Open Shop 5:30PM-930PM	15	16 Open Shop 8:30AM-12:30PM
17	18 Open Shop 5:30PM-930PM	19	20	21 Open Shop 5:30PM-930PM	22	23 Open Shop 8:30AM-12:30PM
24	25 Open Shop 5:30PM-930PM	26	27	28 Open Shop 5:30PM-930PM	29	30 Open Shop 8:30AM-12:30PM
31						

January, February and March meetings 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 the editor

Shannon Byrd

Thankfully 2021 is almost here! What a year.

Our meetings and our open shop were closed for part of the year. Many of us have stayed away for health reasons. I sure miss my friends in the club. I'm looking forward to getting a vaccine so that I can be more active in the club.

I hope you all have a wonderful holiday season. Hope 2021 will be a healthy and happy new year for everyone.

HAPPY NEW YEARS

**Canaveral Mineral and Gem Society
December 2, 2020 Meeting Minutes**

President Don McLamb opened the meeting Wednesday, December 2th at 7:09 pm at The Melbourne Front Street Civic Center, Melbourne, FL. Don welcomed four new guests. He also announced that if anyone is not receiving the Moonstone, please email Shannon Byrd.

Mark Heathman announced that the Rock Swap will be held on March 20. Get in touch with Mark if you want a table, it's only \$15 for a vendor to have a table.

Art DeLaurentis said that Rio Grande gives a student discount and he believes that attending William Holland and/or Wild Acres counts for a student discount.

Melissa Horan said she has been contacted by people regarding selling equipment, pre-forms and jewelry. On Saturday, December 12th, club members selling items will set up outside the workshop between 9 am – noon. Bring cash if you want to buy anything. If you want to sell any items there, that's fine but 10% of the amount you sell will go to the club.

Vice President, Nancy Stark asked that anyone who would like to do a presentation, please let her know. She needs speakers for the club.

Secretary, Mary Kinberg- the November minutes were voted on and approved.

Treasurer's Report – Liz Ritter - Liz went over the expenses of the Parade of Gems, shop supplies and expense and income coming into the club. We have some outstanding checks. We made \$2080 at the auction at the Parade of Gems. Great job Michael McKeon!

Education Chairman – Dave Wayment. Dave announced that new instructors are starting in January. The cabing list is really opening up, so if you're interested, put your name on the list. All instructors are volunteers so please be aware of their time. If they email you about a class, please get back to them promptly.

Membership, Kathie Burnette – our membership is at 141. Now is the time to sign up and pay dues.

Dave Jacobson spoke about opals, the mineral of the month. He spoke of many beautiful and different types of opals and even some opals that are mixed with other stones. He asked Don to talk a little about opals since Don has worked with opals for many years. Don explained two of the styles of opals, precious and common.

Show and Tell: We had many beautiful pieces. Art DeLaurentis brought in a translucent opal necklace and fine silver earrings that he made from old Roman Designs. Nancy Stark brought in chain mail samples that she made to show what you could make in her class that she will be teaching in January. Deb Jorgenson made a beautiful amazonite stone necklace set in silver.

After Show and Tell, Dave Wayment called Don to the front and thanked him for his many years of service to the club. Don has been our president for 10 years and run the Parade of Gems for many years. Dave said the club appreciates all of Don's hard work and we are thrilled show him our appreciation by giving him a plaque and a gift card for his many years of service to the club.

Don presented the Draft Budget for 2021, which was on the back of the agenda. The Budget was approved by a vote of hands.

Melissa thanked Sharon Jones for all the work she did on Facebook for the Parade of Gems (POG). We had over 23,000 visitors come to our site which not only promoted the POG but will also help membership. Melissa also thanked Hannah Cason who took pictures and tagged them on Facebook.

Secretary, Mary Kinberg

Bench Tips by Brad Smith

Work Smarter & Be More Productive With Brad's "How To" Jewelry Books

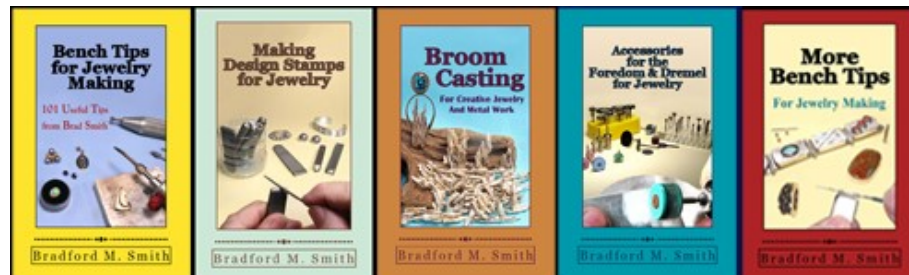
[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

ADJUSTABLE CHUCK FOR DREMELS

Many of us have a Dremel motor tool to use at home or when out to a class or workshop. The one thing that makes this tool much more productive is the addition of one inexpensive option, an adjustable chuck.

The basic motor tool as sold typically comes with a collet chuck. This means you have to use a wrench to change every tool bit, you have to switch collets to use different shaft sizes (3/32 or 1/8 inch bits), and you can't use ordinary drills at all - only the special ones that have a 3/32 shaft.

A simple and inexpensive (\$12) adjustable chuck solves all of this. It's available in most large local hardware stores or modelmaking outlets. Tightening the chuck is done easily by hand to any size shaft. No key is required.



Solve Your Jewelry Making Problems With Brad's "How To" Books

www.amazon.com/author/bradfordsmith

Up coming Rock and Gem Shows

January 8, 9, and 10, 2021
Pinellas Geological Society, Inc.
Largo Cultural Center, Largo, FL
<https://www.PGS.Rocks>

January 16 & 17, 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
Lakeland, 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>

March 20, 2021
4th Annual CMGS Rock Swap
Wickham Park Pavilion 4



PASSING THE
TORCH....(pun intended)

Don McLamb In December of 2020, **our illustrious, long-term President, Don McLamb**, stepped down after more than 10 years of leading our club. Not only did he lead our club successfully, but for years took on the huge task of running our annual show, Parade of Gems. He chaired board meetings and our general meetings, and in his spare time, taught opal cutting! This energy bunny has decided its time to pass the torch and simply enjoy being a member of Canaveral Mineral & Gem Society...but hopefully he'll still teach. (He can't sit still, he has promised to help those filling his shoes!) Thanks Don for years of running this club in such a firm, orderly fashion!



Melissa Horan **NEVER FEAR...MELISSA'S HERE!** At our November 2020 meeting, Melissa Horan was elected President. As a long term, active member of our club, like Don, she wears several hats. She teaches casting. She successfully leads our annual Dolly's Picnic auction, wringing every last cent out of members, bidding on items to raise money for the club. At our monthly meeting she runs our raffle, which raises money to send members to SFMS classes. Melissa encouraging everyone to buy "the winning ticket" for donated prizes. Watch out world...Melissa's at the helm!

Mineral of the Month— Azurite

By Dave Jacobson

This month we will take a look at azurite, $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$, copper carbonate hydroxide. Most mineral collectors have a specimen or two of azurite in their collections, since it is a very popular mineral due to its color. Its color is due to the copper, the coloring agent, combines with the carbonate groups (CO_3) and hydroxyls (OH). It is a secondary copper mineral found in sulfide deposits associated with carbonate rocks. Malachite, $\text{Cu}_2(\text{CO}_3)(\text{OH})_2$, hydrous copper carbonate is often found with azurite. At times the malachite replaces the azurite forming a pseudomorph, meaning you have a malachite crystal in the original shape of the azurite crystal. Azurite is found in many localities in the world. Some of the more famous localities are: Chessy, near Lyons, France; Tsumeb, Namibia; Larium, Greece; Morocco and Broken Hill, New South Wales, Australia. In the USA, several localities in Arizona such as Bisbee and Morenci. Some minerals found with azurite are: limonite, chalcopyrite, native copper, calcite, cuprite, chrysocolla, malachite and other oxidized copper minerals. Azurite is a minor ore of copper. It is sometimes used to make jewelry. It is cut into cabochons, but when faceted it is too soft for every day wear.

Azurite is in the monoclinic crystal system. It is commonly crystallized in the following habits. Irregular blades with wedge shaped terminations. Rosette like aggregates. Slender needles and hairs. It also forms in botryoidal growths, which are sometimes interlayered with malachite. Its color is azure, from which the mineral takes its name. It can also be deep blue or pale blue. Streak is blue. Specific gravity is 3.7 to 3.9. Hardness is 3.5 to 4. It is brittle. Fracture is conchoidal. It will dissolve in hydrochloric acid with effervescence.



I used the following reference materials in preparing this article. *Field Guide to Rocks And Minerals* by Frederick H. Pough. *Mineralogy For Amateurs* by John Sinkankus. *Simon & Schusters Guide to Rocks And Minerals*. *Minerals of the World* by Walter Schumann. Amethyst Galleries Mineral Gallery on the internet at <http://mineral.galleries.com>.



Message from our Webbie
Sharon Jones



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

Are you using the shop? Don't forget it's open three times a week now, Monday and Thursday evening 5:30 to 9:30 and Saturday morning 8:30 to 12:30. Masks are required and there is social distancing. Great time to share ideas, check out new rocks people are cutting and use machines you don't have at home. \$10 per shop visit. All details regarding shop use are on our Facebook and web <https://www.canaveral-mgs.com/>

FACEBOOK: <https://m.facebook.com/Canaveralmgs>

If you are selling your jewelry or cabachons etc go to our Facebook site and post a picture & include your web or Facebook business address.

CHRISTMAS IS COMING! I don't know about you but I'm missing the idea of getting together for our Christmas party. Post pictures of you in a funny Christmas sweater/Christmas hat etc. At least let's get together virtually.

34th Annual CM&GS Rock Swap

Saturday, March 20, 2021

Wickham Park.

The rock swap will be held at Pavilion #4 on the east side of the second (north) lake at Wickham park just past the dog play area.

The public is invited, entrance is free. All vendors must pay a \$15 fee to cover expenses. The first 14 vendors can make a reservation for an 8 foot picnic table under the pavilion shelter. Other vendors can tailgate or use the parking and grass areas.

The rock swap will run from 9:00AM - 3:00PM. Vendors can begin setting up at 8:30AM.

Contact Mark Heathman at 321-474-1406 to make a reservation.

Club contacts

President: Melissa Horan 1178 Firthview Dr, Melbourne, FL 32903, (321)960-4134

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: Lynn McKinney, 3537 Sparrow Ln, Malabar, FL 32935, (321)427-24460

Board of Directors 3yr: Keith Stokes, 601 Georgia Ave., Melbourne, FL 32901, (321)266-8707

Board of Directors 2yr: Dave Jacobson, 672 Manor Place, West Melbourne, FL 32904, (321)676-4306

Board of Directors 1yr: Mark Heathman, 4166 Mockingbird Dr., Melbourne, FL 32934, (321)253-2856

Board of Directors (Past President) 1yr: Don Mc Lamb, 570 Seabreeze Dr, Indialantic, FL, 32903, (321) 723-2592

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

Thank you Don McLamb

At the December meeting David presented Don with a with a plaque thanking him for all he as done in the roll as president. .



Bulletin Editor

Shannon Byrd

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Email: shannonb787@gmail.com

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

CANAVERAL MINERAL & GEM SOCIETY
NEWSLETTER: MOONSTONE