

Canaveral Moonstone



Presidents Corner

I hope all are being safe in these troubling times!!

Our Parade of Gems was a tremendous success, thanks to the super support from numerous CMGS members!!!



Our 2020 & 2021 Board members are meeting November 24 to prepare our 2021 Budget. CMGS members will review and vote on the Budget at our December meeting.

Our December 2 meeting will again be held at the Melbourne Front Street Civic Center on at 7:00 PM. (Face Masks Required!)

I'd like to remind everyone that there will not be a holiday party this year due to the Corona virus.

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.

December 2020

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

December 2 meeting 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.

Note: There will not be a holiday party this year due to the corona virus. Also there will be no open shop the week of Christmas, December 20—26.



**Canaveral Mineral and Gem Society
November 4, 2020 Meeting Minutes**

President Don McLamb opened the meeting Wednesday, November 4th at 7:05 pm at The Melbourne Front Street Civic Center, Melbourne, FL.

Don welcomed five new guests and discussed the Parade of Gems scheduled for November 14 & 15th.

Don went over the restrictions for the gem show such as only 500 people are allowed in the auditorium and everyone must wear a mask. He also reminded everyone that the silent auction is a big money maker and Michael McKeon will need help. We will need lots of help for the show so please sign up to help out. Also, he discussed taking signs with you when you leave the meeting and putting them out.

Tonight we are voting for the grand prize for the Parade of Gems. Please vote by putting the ticket that you received in the ticket bag behind your favorite piece. There were 4 entrants in tonight's contest and I loved all 4 of them! Beautiful! All four of the pieces entered were true original works of art. Thank you, contestants, for contributing your time and artistic talent to this generous project.

Don announced the prospective new board:

President - Melissa Horan

Vice President – Nancy Stark

Recording Secretary – Mary Kinberg

Membership Chair – Kathy Burnette

Treasurer – Liz Ritter

Education Chair – Dave Wayment

Corresponding Secretary – Lynn McKinney

Bulletin Editor- Shannon Byrd

Librarian – Sue Diebel

Board of Directors, 3rd Year – Keith Stokes

Board of Directors, 2nd Year – Dave Jacobson

Board of Directors, - 1st Year – Mark Heathman

Past President – Don McLamb

After he announced the board, all of the members were voted on and approved in their positions.

Treasurer's Report – Liz Ritter: Liz discussed the September monthly expenses and income and costs of the Parade of Gems. At the last meeting over \$100 was collected from the raffle and saved for scholarships for summer camps such as William Holland and Wildacres.

Education Chairman – Dave Wayment said that more classes will be starting at the beginning of the new year. He also presented a Certificate of Achievement to Dave Jacobson for all of his work with the club. Thanks Dave Jacobson, we appreciate all of your hard work.

Dave Wayment asked all members to bring work that they would like displayed at the Parade of Gems on Friday during set up for Sharon. She will be in charge of the display booth.

Dave Jacobson spoke about the mineral of the month - Calcite, one of our most common minerals.

Show and Tell: We had great samples of Calcite – thanks Scott Bellinger, Joe Bina and Janine Ragan!! Beautiful samples and great information!

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)

Whenever I have to make more than 2-3 exact copies of a sheet metal component, I think of making a template. Templates let me easily draw the shape of an item to cut out.

Art stores or online sources like [cooltools.us/](https://www.cooltools.us/) and [kingsleynorth.com/](https://www.kingsleynorth.com/) sell templates for common shapes like circles, ovals, hearts, etc. but for nonstandard shapes, I make my own out of a scrap of sheet plastic or sheet metal. My preference is brass. I carefully lay out the shape using a steel ruler, a set of dividers, a scribe, and a fine center punch.

One example is the brass template in the pic below that let's me quickly trace the design of ginkgo leaf earrings onto silver sheet. Another is the nickel template which makes it easy to drill a pattern of holes for pin inlay into wooden handles.



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

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>

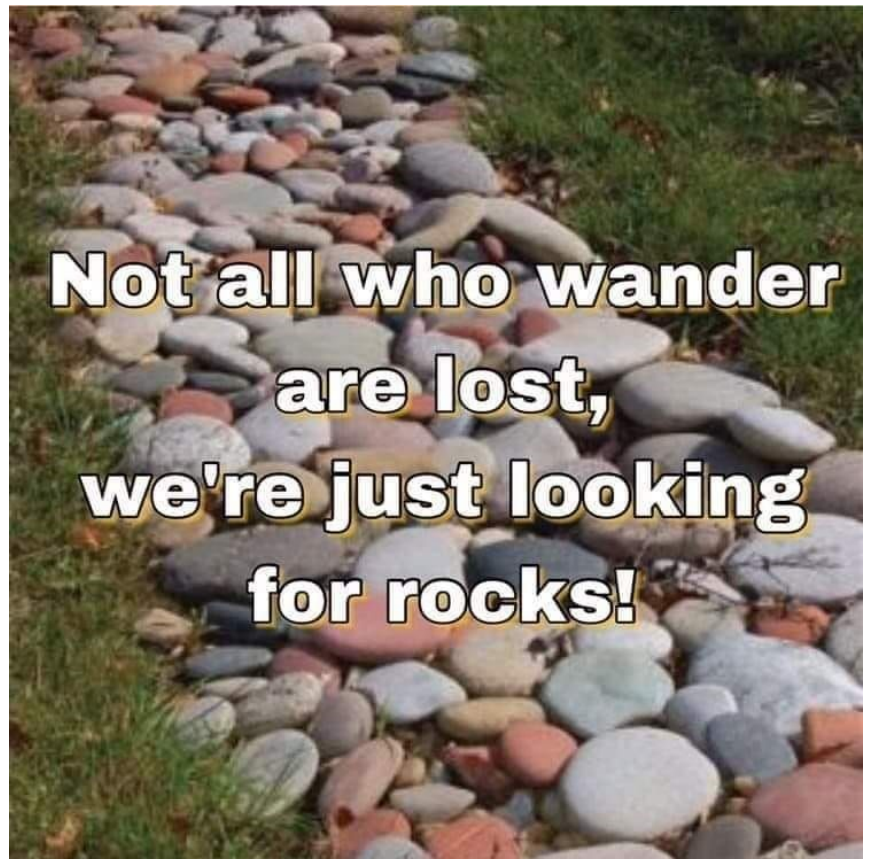
February 13 & 14, 2021
Treasure Coast Rock & Gem Society
Vero Beach, FL

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



Mineral of the Month—

By Dave Jacobson

This month our featured mineral is opal, $\text{SiO}_2 \cdot n\text{H}_2\text{O}$, hydrated silicon dioxide. Opal is a variety of silicon dioxide which usually contains water typically in the range of 5 to 10%. Opal is a tectosilicate, low temperature hydrothermal mineral. It is commonly precipitated from silica-rich solutions. It sometimes replaces the skeletons of marine organisms. It occurs as nodules, seams and botryoidal crusts. It often impregnates porous rocks and sediments. Some of the more common varieties are following. Common opal; colorless and not translucent. Fire opal; reddish to orange-red translucent material. Precious opal; can be any hue which displays shifting flashes of intense color which can be red, blue, orange, green, purple and more. Colorless, transparent opal is hyalite. Hyalite is usually found in botryoidal (grape like) crusts. Hydrophane is a white, opaque, sometimes barely translucent opal which absorbs water. Wood opal replaces the mineralization in fossilized wood without destroying the structure of the material.

Opal is never found in crystal in form. It is brittle material with no cleavage plane, but has an excellent conchoidal fracture, which can be very lustrous. Hardness ranges from 5.5 to 6.5. Specific Gravity ranges from 1.99 to 2.25. The more porous material has the lower specific gravity. the gravity will increase as the opal absorbs water. When tested on a streak plate, the streak is white. It has a bright glassy to waxy luster. The color shift in precious opal is thought to be caused by the interference of reflected light due to grids of cristobalite spaced at regular intervals in the specimen.

Opal is a common mineral and is found in many locations in the world. Most of the black precious opal comes from Australia. Mexico is a source of fine fire and precious opal. In the United States precious opal is found in Nevada, Idaho and Oregon. Excellent wood opal specimens have been found in the western United States.

Opal takes its name from the Sanskrit word *upala* , meaning "precious stone" or "gem" and the Latin word *opalus* , meaning "precious stone."

The following reference materials were used in preparing this article:

Mineralogy For Amateurs by John Sinkankus.

Simon & Schusters Guide to Rocks And Minerals.

Gemstones Of The World by Walter Schumann.

Gems, Crystals, & Minerals by Anna S. Sofianides , George E. Harlow and George W. Robinson, Ph. D.

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.

Hope you have a wonderful Thanksgiving

34th Annual CM&GS Rock Swap

Saturday, March 20, 2019

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:** 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 Board members for 2021

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