

Canaveral Moonstone



Presidents Corner

Spring arrived the same day as our amazing annual rock swap! The weather was beautiful (though a might chilly in the morning for my taste!) However, the afternoon was perfect Florida spring weather, affording all the vendors and buyers a great day of selling and buying. Seems to me we had an equal turn-out of both. A great success! Thank you to Mark Heathman for implementing and organizing a wonderful event.



Our annual Dolly's "auction" is planned for May 16th at Goode Park! (thanks go to Shannon Byrd for reserving the park for us). I will be looking for donations and accepting them at the monthly meeting as well as items you wish to leave at the shop. Please leave a note attached to items left at the shop that they are intended for Dolly's auction. Items that can be auctioned include anything not living or breathing! Such as: tools, equipment, beads, books, stereos, electronics, jewelers' tools, finished jewelry items, slabs, cabs, rough rock... the list goes on and on. So please search through your garage and storage areas and donate to your club. There are a few exceptions to our normal Dolly's "picnic, this year we are grateful to get together, however we will not be serving food due to Covid (please feel free to bring your own snacks or picnic lunch!). Tail gating is encouraged prior to the auction. Hopefully with the vaccines continuing to roll out in our state we can enjoy a full blown CMGS get together soon.

As always if you should have any new ideas or suggestions please text/call or email me.

Looking forward to seeing you all at this month's meeting April 7th at Front Street Civic Center. We will hold the drawing for scholarships to William Holland and Wildacres at this meeting.

Melissa Horan
2021 CMGS President



Exchange Bulletins are Welcome

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

The Dead Line for the May Moonstone is April 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.

April 2021

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

Meetings are being held 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.

Presentation at our April meeting

April 7, 2021 Leslie Wayment on Mohs hardness testing

Message from our Webbie
Sharon Jones

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



Sharon is hoping to put together a team of techies to help with Social Media. If you'd be interested, please send an email to webiecmgs@gmail.com

Canaveral Mineral and Gem Society
March 3, 2021 Meeting Minutes

President Melissa Horan opened the meeting Wednesday, March 3rd at 7:05 pm at The Melbourne Front Street Civic Center, Melbourne, FL.

Speaker - Anthony Boone, a member and a geophysical field maintenance officer with Patrick Air Force Base spoke about his experiences working on seismometers. With the equipment they use he can detect the speed, direction and depth of earthquakes. His unit usually does preventative maintenance on different equipment at sites all over the world. Thanks Anthony for the interesting and informative presentation!

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

Treasurer, Liz Ritter – Liz went over varying expenses that were recently paid, such as Post Office and insurance renewals, social media and workshop expenses. There were also incoming deposits from lapidary sales, Parade of Gems and classes.

Education Chairman, Dave Wayment – announced that they would be adding another open shop day Wednesday, 11-3, starting in about 2 weeks. Great news! Membership dues must be paid tonight if you want to remain on the class list. Dave also reminded everyone about our library at the workshop. He also announced that if you are interested in precious gemstones, Gary Dulax, a goldsmith in Vero Beach died and his wife, Donna, is having an estate sale. 772-321-0396. The info is in last month's Moonstone.

Membership Chairman, Kathy Burnette - we are up to 159 members. We do have quite a few people that haven't renewed. Kathy will be making phone calls.

Melissa reminded everyone to check out the Member's section of our CMGS website. Member's phone numbers and information is available only to members. Also, she reminded everyone if you use facebook, please share club news. It helps to encourage interest in our club.

The Rock Swap will be held on March 20th at Wickham Park, Pavilion #4. Set up time is at 8 am. The Rock Swap will be open from 9 am to 3 pm. Turn right after turning off of Parkway.

Dave Jacobson spoke about the Mineral of the Month – Corundum. Rubies are the red variety of Corundum and Sapphires are the blue variety. Corundum is the second hardest mineral on the Mohs scale. The lower grade corundum is used for polishing and emory boards. Great info, Dave!!

Show and Tell: thank you to all the members that share their samples and amazing projects with the club. We appreciate your ideas, knowledge and encouragement!!!

Art DeLaurentis made gorgeous stone inlaid pendant necklaces and sterling Eiffel tower earrings.

Scott Bellinger brought different samples of corundum- sapphires and rubies to share. Cheryl Synder shared with us the cabs she cut and polished from her original class and some sample rubies.

Casey Weinreib and Anthony Boone took Melissa's casting class and made beautiful silver castings of crosses, dubbloons, dragons, earrings and butterflies. Joe Bina shared samples of Petrified Wood that he had bought at the Merritt Island show. He had different types and qualities of petrified wood, some with fatigue cracks that won't stay together. He explained some of the uses with the different types.

Melissa shared two beautiful pendant necklaces that she made using parrot wing chrysocolla and azurite.

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)

BEZEL PROBLEMS

When bezel setting a cab that has rather sharp corners, have you ever had problems pushing the metal down at the corners? It's a common problem often causing a wrinkle in your bezel and a grimace on your face.

In order for a bezel to capture the stone, the top edge of the bezel must be compressed and become shorter to lay down onto the stone. With a round or oval stone this naturally happens as you push and burnish the bezel. But when setting a stone with corners, the tendency is to push the long sides of the bezel down first. No compression occurs along the sides, and all excess metal is left at the corners. Compressing everything there is difficult. Often the only way to remove the extra metal at the corner is to make a saw cut and fold the two sides in to touch.

If you want a smooth bezel all around the corners, the simple solution is to set the corners of the bezel first. Then push in and burnish the sides. In this way the necessary compression is distributed along the length of all sides and not forced to occur at the corners. With the corners set first, the top edge of the bezel can easily be compressed along the sides.



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

www.amazon.com/author/bradfordsmith

Up coming Rock and Gem Shows

Estate sale

Gary Dulac was a goldsmith for 45 years in the Vero Beach area and passed away last month. He made custom made jewelry and collected gems over his lifetime. His wife, Donna, is selling the collection of gems; which includes precious and semi-precious gems like opals, red and green tourmaline, moonstone, ruby, emerald, drussie, citrine and others. Anyone interested can call Donna at 1-772-321-0396.

*****SALE***ROCK COLLECTION***SALE*** CALLING ALL ROCKHOUNDS AND CRYSTAL LOVERS FANTASTIC MINERAL & CRYSTAL SALE
DON'T MISS THIS! SOMETHING FOR EVERY COLLECTOR & ROCK HOUND. GEMS-ROCKS-MINERALS & FOSSILS. LIFETIME COLLECTION OF ALL EARTH'S TREASURES FOR SALE.
WHEN: SATURDAY, APRIL 17TH, 2021**

WHERE: 2251 SE MONTAUK STREET, PORT ST. LUCIE, FL 34952 TIME: 8:00 A.M. TO 4:00 P.M. -- RAIN OR SHINE

*****SAFETY PROTOCOLS TO BE FOLLOWED, OUTSIDE*****

TONS OF MATERIAL! INCLUDING A 12 LB BOULDER OPAL, FLOURITES, CRYSTAL QUARTZ CLUSTERS, GEODES, FOSSILS, OPALS, MINERALS, GEMESTONES, PETRI-FIED WOOD, TAMPA BAY CORAL, SPHERES, ALL TYPES OF AGATE. TOO MUCH TO LIST.

*****CASH ONLY***CASH ONLY***CASH ONLY***CASH ONLY*****

rtbass1213@gmail.com

Private Rock Sale\

Edna Jones in DeLand wrote me this message:

Still have buckets and buckets of chunks, specimens, slabs and cabs. Also sterling silver charms, rings, earrings, faceted gemstones and strands of beads. I have had both Covid vaccines. Most of the rocks are outside and can bring out whatever else you might be interested in. I am off highway 92 NE of Deland. You can tet or call me and we can arrange a day and time for you to shop. Thank you. 386-801-8455

Mineral of The Month – Quartz var. Chalcedony

By Dave Jacobson

This month we will take a look at the cryptocrystalline species of quartz, SiO₂, silicon dioxide, call chalcedony. These species are favorites among gemologists and lapidaries. These varieties of quartz are typically banded. The microscopic crystals are arranged in slender fibers in parallel bands. It is common in rounded (mammillary) aggregates and nodules. It has a dull, waxy or vitreous luster. Hardness 6.5 to 7. Specific Gravity 2.58 to 2.64. Chalcedony is primarily used as decorative stone and in the making of jewelry. Rock quartz crystal has a specific gravity of 2.65. Conchoidal fracture. Streak is white. Chalcedony is in the hexagonal crystal system.

Actual chalcedony is the white bluish gray variety. It is sometimes almost colorless.

Varieties of Chalcedony

-Agate: All forms with banding (parallel to concentric). The material can be transparent to opaque. Agate is named after the Achates (Drillo) River in Sicily. This was a major source of the gemstone, per Theophrastus, a Greek philosopher (372 - 287BC).

-Bull's eye agate: The banding forms concentric circles.

-Iris or fire agate: Iridescent resulting from thin layers of crystallized iron oxide.

-Onyx: Black and white banding.

-Sardonyx: Brown, ochre and white banding.

-Heliotrope or Bloodstone: The variety of chalcedony called plasma with red hematite or jasper spots and blotches. Name derived from the Greek helio, meaning "sun" and "trepein" meaning "turning"

-Carnelian: Translucent red brown to brick red material. Color due to hematite. Name derived from the Latin cornum, meaning "cornel berry" or "cornelian cherry"

-Chrysoprase: Translucent apple green material. Coloring agent nickel. Also found with serpentine in some areas. Name comes from the Greek chrysos meaning "golden" and prase meaning "leek."

-Moss Agate: Translucent light colored material. Black, brown, or green dendritic (branch like) inclusions. The inclusions are usually dark oxides. "Mocha Stone" is the moss agate from the Mocha, Yemen area.

-Plasma: Leek to dark green opaque material. Coloring agent various green silicate minerals.

-Prase: Transparent leek green material. Color due to chlorite inclusions.

-Sard: Light to chestnut brown translucent material. Color due to iron oxides and hydroxides. Sard is named after the Greek Sardis, which was the capital of Lydia in Asia Minor.

-Jasper: Massive, fine grained quartz mixed with other mineral material such as iron oxide. Color is typically in varying shades of red. It is a very common sedimentary rock. Takes its name from the Greek iaspis. This word is of oriental origin, but what it signifies is unknown.

-Chert: Chalcedony deposited in spaces in sedimentary rock. Common in limestones.

-Replacements: Chalcedony is a common replacement for organic matter such as shells, wood and bone. Sometimes this replacement is so perfect that microscopic details are preserved. Some petrified wood is a good example of chalcedony replacement. I have a specimen in my collection, which when viewed under magnification the cell structure of the wood is visible. Fluorite, calcite, aragonite and many other minerals are also replaced by chalcedony. One probable source for its name is an ancient town at the Bosphorus. Another source says it may derive its name from the ancient Greek Port of Chalcedon.

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.

Gemstones Of The World by Walter Schumann.

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

Amethyst Galleries Mineral Gallery on the Internet at <http://mineral.galleries.com>.

Microsoft® Encarta® Encyclopedia 99

The SFMS William Holland Workshops are online. Please go to sfmsworkshops.org for class descriptions and instructor bios. Below is a list of classes. They're starting to fill up, so don't wait too long.

William Holland June 6-11, 2021

Unfortunately, Gene Sheridan had to back out of the Wire II class. We are looking for a new instructor and should have an announcement soon.

Paul Roberts - Cab II class
 Bill Boggs - Intarsia
 Chuck Bruce - Silver III - Inlay II (waiting list only)
 Cindy Moore - Metal Mania
 Dale Koebnick - Silver II - Cab Alt. w/Bezel Prongs & "Step Bezel" Tab Setting
 Debora Mauser - Low Tech Casting
 Micah Kirby - Electro-Etching with Silver forming
 Janet Pace - Flame Painting on Copper (waiting list only)
 TBD - Wire II
 Jerri Heer - Gem Trees
 Tom Slavicek - Leather

For more information contact the SFMS WH-Registrar:

Cindy Reed
2020SFMS.WH@gmail.com
 Text or Call: 863-255-5256

SFMS Wildacres Workshops

August 23-29, 2021

Janson Hamilton - Silver II - Filigree
 Cindy Moore - Metal Mania
 Jeff Sheer - Special Projects
 Morning Sherrod - Southwest Silver
 Rowan Morgan - Wire Wrap
 Bill Harr - Casting

September 13-19, 2021

Chuck Bruce - Silver III - Inlay II
 Cindy Moore - Metal Mania
 Mary Lou Hillenbrand - Chain
 Bill Harr - Casting
 Jerri Heer - Gem Trees
 Tom Slavicek - Leather

For more information contact the SFMS WA-Registrar:

Claudia Erwin
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 or Call: 865-973-1933

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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