

Canaveral Moonstone



Presidents Corner



Some thoughts for the Moonstone;

Thanks to all of the great member support, our 44th Parade of Gems was again a great success. From the "Member & Dealer Dinner" until the last dealer packed-up and departed, things went smoothly. I am especially thankful for the great results achieved (with support of their team members) by our leaders that volunteered in all the crucial areas: Bea Dietz in the Friday dinner and for the Children's Mineral Discovery; Christine Miller, Sharon Jones and Bill Harr for advertising; Liz Ritter for admissions and treasury; Shannon Byrd for the dealer breakfast; Art DeLaurentis for Prizes and demonstrations; Dave & Leslie Wayment for Gem competition; Michael McKeon for the great silent auctions; Kathy Burnette for Membership; and Ray Diebel and Keith Stokes for the Fluorescence Demonstrations.



Do not forget our Christmas and Hanukkah party at the Front Street auditorium on Thursday, December 14, at 6:00pm. Bring your favorite covered dish and a (\$10) gift if you wish to participate in the Yankee Trader fun!!

Ray Diebel is achieving his 90th Birthday. We would like to give him a surprise Birthday congratulation at our Christmas party (like, do not tell him, Susan says he never reads electronic media). The event will take place after our "Yankee Trader" exchanges are over. Susan is playing in the Orchestra that evening and will not be to the party until late and she wants to be there. She will be bringing a small birthday cake with candles to blow out (I don't think 90 candles).



Don

Exchange Bulletins are Welcome

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

The Dead Line for the January Moonstone is Dec. 20, 2017

The URL for CMGS web site is: <http://www.canaveral-mgs.com/>

Feel free to send me articles or pictures for the newsletter at shannonb787@gmail.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 at the Henegar Center, 625 E. New Haven Ave., Melbourne, Florida. Meetings start at 7:00 p.m. Visitors are always welcome! Dues are \$20.00. Junior Member dues are \$2.00.

December 2017

Sun Mon Tue Wed Thu Fri Sat

					1	2 Open Shop 9 am-12 pm
3	4 Beading Class & Open Shop*	5	6 Dec. Meet- ing 7 PM	7	8	9 Open Shop 9 am-12 pm
10	11 Beading Class & Open Shop*	12	13	14 Holiday Party 6 PM	15	16 Open Shop 9 am-12 pm
17	18 Beading Class & Open Shop*	19	20	21	22	23 Shop Closed
24 Shop Closed>	25 Merry Christmas	26	27	28	29	30 Open Shop 9 am-12 pm
31						

* Monday Beading Classes are 1PM—4PM and 5PM— 7:30 PM Monday Open Shop 6PM—9PM

Editors Notes

By Shannon Byrd

As this year is quickly coming to an end I have been looking back and thinking about our club and the fun experiences we have shared this year. I'd like to thank the members that are always available to do whatever needs to be done, you know who you are.

I would like to challenge all club members to get involved and discover all the great things you can get out of our club.

I was once asked why I teach class in addition to my full time job, my response was that I feel that I have received so much from this club in terms of classes and information from members that I felt the need to give back....

This club is truly a remarkable group of people and I enjoy being around and learning from each of you.

Have a wonderful Christmas and New Year.

Bench Tips by Brad Smith

See all Brad's jewelry books at [Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

DRILLING A STONE

One of the things my students often ask to do is drill a hole through a piece of gemstone. The usual thought is to get a diamond drill, but I've been disappointed with them. I think the reason is that the tip of the drill is just pivoting in the hole and does not cut well. When it looks like the drill isn't cutting, the tendency is to push with more force. The drill gets hot, and the diamond grit falls off.

A much better approach is to use a core drill. This is a small hollow tube with a coating of diamond grit at the business end. The diamonds easily carve out a circular arc without undue pressure or heat buildup.

Core drills are readily available from lapidary and jewelry supply companies. They come in sizes as small as 1mm and are very reasonable in price. For instance, a 2mm diameter drill is about \$6.

Chuck up the core drill in a drill press, Dremel or Foredom and be sure to keep the drilling zone wet to cool the tool and to flush out debris. Also, if you're drilling a through hole, go very easy on the pressure as the drill is about to cut through. Otherwise you will usually chip off some of the stone surface around the hole.



"Bench Tips for Jewelry Making" and
"Broom Casting for Creative Jewelry"
are available on Amazon

Rock of the Month – Malachite

By Dave Jacobson

This month I am featuring malachite, $\text{Cu}_2(\text{CO}_3)(\text{OH})_2$ a hydrous copper carbonate. Malachite is a very popular lapidary mineral used in making jewelry. The Malachite Room in the Winter Palace, St. Petersburg, Russia was named so for its use of malachite in the construction of the columns and fireplace. Vases have also been made of the mineral malachite. It is also an important secondary ore of copper. Crushed malachite was once used as a pigment. Malachite is often associated with azurite and another copper minerals such as limonite, chalcopyrite, bornite, native copper, calcite and cuprite. It is also associated with a host of many rare copper minerals too numerous to list. It is mined in many locations in the world including Mexico and Arizona in the United States.

Malachite is most often found as massive material. Some of the massive forms are botryoidal (grapelike), stalactite like and globular. Individual crystals are rare. Fracture is conchoidal. Hardness is 3.5 to 4, which will make a good pendant, but a bit too soft for a ring. Specific Gravity is 3.9. Streak color on unglazed tile is green to greenish black. It will effervesce in hydrochloric or muriatic acid (used in swimming pools to adjust the PH).

When cutting malachite use adequate protection and cut it wet. I found a good article on this subject at the following URL. <https://www.snobappealjewelry.com/blog/2012/12/lapidary-safety-know-the-hazards-of-what-you-are-cutting/>

Malachite takes its name from the Greek word *malache*, “mallow” which refers to the color of a green leaf.

I used the following reference materials in writing this article.

Simon & Schuster’s Guide to Rocks & Minerals

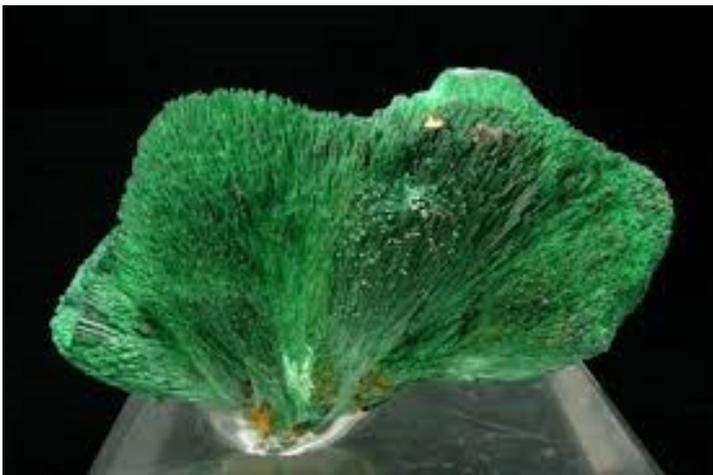
Mineralogy by John Sinkankus

Minerals of the world by Walter Schumann

A Field Guide to Rocks and Minerals (3rd edition) by Fredrick H. Pough

Gems Crystals & Minerals by Anna S, Sofianides
and George Harlow

<http://www.galleries.com/Malachite>



November Business Report—November 1, 2017

The meeting was called to order by President Don McLamb. The club welcomed Traci Harper and Linda Kay. Welcome back Sue Diebel! The BIG news is the Parade of Gems is in full swing.

December 14 is the annual Christmas party!! It'll be held at the Front Center, Melbourne. More details at the December meeting.

Nancy Starke, V.P. would like members to think about what they would like to present to club members in the upcoming year at meetings. Always nice to share.

The notes for October were accepted. Liz Ritter gave the Treasurers report and reminded folks to get out the rackcards for the show. Vendor money is coming in and The Henager Center rent has been paid.

The Southeast Federation Auction went well with CMGS, with Bill Harr , Dottie Pugh and Liz Ritter nabbing prizes! Whoohoo! We also got a scholarship donated to the club for William Holland or Wild Acres!

On a sad note, the Reposse' class was cancelled for Nov., Dec.

Kathie Burnette said all is well and we have 175 members to date. Kittie McLamb asked if folks are in need of correspondence to please get with her.

Ever busy Bea Dietz was making the call for the Dealer and Member meal event. The Club covers the chicken but members are asked to bring a covered dish for all to share.

The Club competition for the Gem and Mineral Show was in full swing. Thanks all for participating!

Dave Wayment gave the Educational Report. The book was in the house and members are asked to be responsible. Shannon Byrd gave the Moonstone. Sharon Jones reminded folks of our website, facebook page, Canaveral MSG.

Dave Jacobson presented Opals as our Gem of the Month. A beauty for sure! Members showed the wonder of Opals. Bill Harr shared his knowledge, with experience especially with the Coober Pedy site in Australia. Sharon Jones had some cut opal. Deb Jorgenson had some cut stone from Mexico, Gail Wall shared her love of glass with examples of fusion in various ways. Share on Gail! Shannon Byrd is always sharing her beautiful focuses of the month. Bob and Sara Deneburg share their experiences from the Wild Acres in Cold Connection and Flame Coloring, Frank D' Anna brought in Opals to share.

We put in our votes for the Grand Prize at the Gem and Mineral Show.

The winners of the scholarship raffle were Marylee Bowen who picked the Opals, Keith Stokes with earrings, and Sara Denaburg with a quartz figurine.

After refreshment break, we got busy with putting out mailings for the upcoming Gem and Mineral Show.

See you in December.....How time flies

Respectfully Yours,
Denise Jackson, Secretary

Upcoming Gem and Mineral Shows

December 2017

1-3—HUDSON, FLORIDA: Annual show; Withlacoochee Rockhounds, Veterans Memorial Park; 14333 Hicks Rd; Fri. 9-5, Sat. 9-5, Sun. 9-5; Adults/Seniors \$3, Teens \$1, Children 12 and under free; Educational displays, demonstrations, door prizes, Diamonds of the World, Aaron's Breastplate replica. Mineral and fossil specimens for everyone from beginner to advanced collectors, handcrafted jewelry, gemstones, and handcrafted knapped stone blade knives. ; contact Ralph Barber, FL, (352)-200-6852; e-mail: barbersbloomers@hotmail.com; Web site: www.withlacoocheerockhounds.com

2-3—PINECREST, FLORIDA:

Show and sale; Miami Mineralogical and Lapidary Guild, Evelyn Greer Park; 8200 SW 124 Street; Sat. 10-5, Sun. 10-5; Admission \$6, Children free; The MIAMI MINERALOGICAL AND LAPIDARY GUILD (MMLG) is holding a Gem, Jewelry, Mineral, and Fossil Show. There will be exhibits, displays, demonstrations, raffles, and vendors showcasing mineral & fossil specimens, gemstones, fine jewelry, and artisan-crafted collectibles. Children's activities include jewelry-making sessions, surprise grab-bags, gem prospecting, and geode splitting. ; contact Sandy Mielke, Miami, FL 33133, (305)-858-6967; e-mail: webguy@mmlg-inc.org; Web site: www.miamigemandmineral.com

January 2018

January 12, 13, and 14 2019 Largo Cultural Center

Pinellas geological Society announces their Forty-second Annual

Gem, Jewelry and Mineral Show and Sale

Largo Cultural Center Parkside Room

105 Central Park Drive

Largo, Florida

20-21—PANAMA CITY, FLORIDA: Annual show; Panama City Gem and Mineral Society, Central Panhandle Fairgrounds; 2230 E. 15th Street; Sat. 9-5, Sun. 9-4; Free Admission; The show will feature exhibits, minerals, fossils, cabochons, gems, crystals, wire wrapping, lapidary arts, jewelry, beads, silent auction and more. One grand prize and several additional door prizes are donated by the club members and show vendors. ; contact Steve Shipton, 5113 e. 13th Court, Panama City, FL 32404, 850-867-0586; e-mail: shipton3@comcast.net; Web site: pcgmsociety.com

20-21—DELAND, FLORIDA: Annual show; Tomoka Gem & Mineral Society, Volusia County Fair Grounds; 3150 E New York Ave, Tommy Lawrence Arena; Sat. 10-6, Sun. 10-5; Adults \$4, Children 12 and under free; Jewelry, Gem, Mineral, Fossil, Show and Sale. Daily drawings, silent auction, children's activities, demonstrations, free parking. See Tomokagms.org for \$1 off coupon.; contact Mary DeJan, (386)-871-6221

February 2018

February 17 & 18, 2018; Vero Beach, FL

Treasure Coast Rock and Gem Society 10-5 sat 10-

4 sun The show is located in Vero Beach at the Community Center

14th Avenue & 23rd Street Downtown Vero Beach, FL 32960 email: treasurecoastrgs@gmail.org web-

site: <http://www>. Show Chair: Vina Proper 772-519-0533 Co show Chair: Ann Metz 772-231-0218 Show is actively recruiting vendors; if interested, please contact the show chairs for application and information.

Please contact me with details of other shows that our members would be interested in knowing about. 7

Parade Of Gems MEMBER COMPETITION WINNERS

Jewelry & Metalcrafts: Create a ring with a faceted stone sized 4mm or greater (natural or man-made). Can be any material for stone and be of any metal. May not use a commercial or purchased wax for casting. Must be original work. May contain more than 1 stone.

First Place Shannon Byrd
Second Place Sharon Jones

- **Cabachon Cutting:**

o Beginners - a calibrated 12 x 20 mm oval from any agate or jasper
Intermediate or Advanced - 48 x 32 mm rounded trapezoid in any type of stone

First Place Melisa Huron
Second Place Shannon Byrd

Intermediate or Advanced - 48 x 32 mm rounded trapezoid in any type of stone

F
First Place Jim Williams
Second Place Art DeLaurentis

Beading: Create a bracelet utilizing a combination of any 2 stitches and any 2 sizes of seed beads.

Second Place Sharon Jones

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) 726-9784

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Corresponding Secretary: Kitty McLamb, 570 Seabreeze Dr., Indialantic, FL 32903, (321) 723-2592

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Board of Directors (Past President) 3yr: Dave Jacobson, (321) 676-4306

Board of Directors 1yr: Freda Hull , (321) 725-0847

Board of Directors 1yr: Roy Deere, (321) 725-9179

Bulletin Editor

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

CANAVERAL MINERAL & GEM SOCIETY
NEWSLETTER: MOONSTONE