

Canaveral Moonstone



Presidents Corner

We hope all survived hurricane Maria without injury or major damage!!

Our Parade of Gems Show is a little more than a month away. All of our members should plan to support this major CMGS event by planning to attend! The festivities begin on Friday, November 10, with the Members & Dealers dinner. Bea will again be organizing the event. Members are asked to come bringing a favorite dish to share. Saturday and Sunday there are a number of opportunities to support the numerous activities we **must** support to have a successful show. There will be sign-up sheets at our October and November meetings for us to identify time periods that we will plan to help.

Chair-persons for the major opportunities are:

Members & Dealers Dinner; Bea Dietz

Admissions; Liz Ritter

Dealers Breakfasts; Shannon Byrd

Silent Auction; Michael McKeon

Prizes & demonstrations; Art DeLaurentis

Children's Mineral Discoveries; Bea Dietz

Membership; Kathy Burnette

Fluorescence Display; Ray Dieble & Keith Stokes

Competition Stones & Cases; Dave & Leslie Wayment

In October, your CMGS Officers and Directors will meet as the Nominating Committee for CMGS members to lead us in 2018. Anyone wishing to be considered by the nominating committee, please contact our Vice-president, Nancy Stark, or Me.

Don

Exchange Bulletins are Welcome

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

The Dead Line for the November Moonstone is Oct. 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.

October 2017

Sun Mon Tue Wed Thu Fri Sat

1	2 Beading Class & Open Shop*	3	4 Oct. Meeting 7PM	5	6	7 Open Shop 9 am-12 pm
8	9 Beading Class & Open Shop* Columbus Day	10	11	12	13	14 Open Shop 9 am-12 pm
15	16 Beading Class & Open Shop*	17	18	19	20	21 Open Shop 9 am-12 pm
22	23 Beading Class & Open Shop*	24	25	26	27	28 Open Shop 9 am-12 pm
29	30 Beading Class & Open Shop*	31 Halloween				

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

Website News

By Sharon Jones

WEBSITE <http://www.canaveral-mgs.com>

HELP...You have the power to boost our gem & jewelry show's attendance & make it the most successful show we've ever had.

Are you on Facebook? Then help us get the word out about our annual gem & jewelry show, Parade of Gems, by going to the club's Facebook page (canaveralmgs) & click on the Parade of Gems "event" then click that you're going...well of course you are....then "Invite" your friends to do the same. <https://www.facebook.com/events/1580732148616592/?ti=cl> (Ask them to use the event link to invite their other friends too.)



You can also share **the link on our website** about the show. www.canaveral-mgs.com/our-show.html

Bench Tips by Brad Smith

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

DRILLING SMALL ITEMS

Small pieces need to be held securely while drilling to prevent them from spinning if the drill catches. Having sliced my fingers occasionally in my younger days, I avoid band-aids now by using flat-jaw pliers or a ring clamp. Pliers also save you if the piece gets hot. Put a little tape over the jaws of the pliers if needed to avoid scratches.



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 – Azurite

By Dave Jacobson

This month we will take a look at azurite, $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$, copper carbonatehydroxide. 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. It's 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 & Schuster's *Guide to Rocks And Minerals*. *Minerals of the World* by Walter Schumann. Amethyst Galleries Mineral Gallery on the internet at <http://mineral.galleries.com>.



September Business Report—September 6, 2017

The meeting was called to order by President Don McLamb. The club welcomed guest Dottie Pew and new member Terry Deshiells.

The meeting was small in attendance due to folks preparing for the upcoming storm Irma, I suppose. Mark and I hope everyone escaped with minimal damage and all are getting back to "normal".

The August meeting minutes were accepted.

Liz Ritter gave the Treasurer's report and announced we now have two Intarsia machines. She and Art De-Laurentis have volunteer sign up sheets for our annual show. The lead positions are filled, yeah! but there are many time slots to volunteer.

Art DeLaurentis explained the Grand Prize details of club competition. Club members will vote on the winner at the November meeting. The winner will get 75 \$ for supplies and all others will get their work back if not chosen.

Kitty McLamb asked if anyone needs correspondence, let her know.

Bea Dietz is still welcoming any and all chips ad minerals for the children's table at the upcoming Parade of Gems.

The Mineral of the month was Aurichalcite.

Show and Tell brought some goodies. Art DeLaurentis presented some recent works of Intarsia and Viking Weave and Chain Maille. Bill Harr told of his adventures at William Holland teaching Casting and the vacuum incidences. Jim and Jannine Ragal showed their nice work in Opals, Wire working and shared that a class in Mineral Identification were taken. Denise Jackson showed a recent gift given of a Knob cone pine pendant. Don McLamb reminded folks to get those rack cards out for our upcoming Parade of Gems show!!!

Looking forward to seeing all on October 4!

**Respectfully yours,
Denise Jackson, Secretary**

**SIGN UP TO HELP AT THE PARADE OF GEMS.
This is our major fund raiser for our club that allows us to do what we do. Your help is essential to making our show a success.**

Upcoming Gem and Mineral Shows

October 2017

Central Florida Mineral & Gem Society, a non-profit educational organization, is hosting a Rock, Mineral, Gem, Jewelry & Fossil Show on October 6th, 7th & 8th, 2017 at the Florida National Guard Armory, 2809 S. Fern Creek Ave., Orlando, FL 32806. Show time: Fri. 1pm to 6pm, Sat. 10am to 6pm and Sun. 10am to 5pm. Vendors offering beads, minerals, gemstones, jewelry, fossils, artifacts, metaphysical stones, cabochons, etc. Silent Auction, Door Prizes, Demonstrations and Family Activities. Admission: Adults \$5, Students \$2, Scouts in uniforms free. Website: www.cfmgs.org. Contact: Show Chairman George Wood, [321-663-8805](tel:321-663-8805) or e-mail geow98@gmail.com.

November 2017

4-5—PLANT CITY, FLORIDA: Annual show; Tampa Bay Mineral and Science Club, Plant City Strawberry Festival Expo Hall; 303 N. Lemon Street; Sat. 10-5; Adults \$5, Students \$4, Children under 12 free w/ parent; contact Norma Jackson, 6036 Golf & Sea Blvd. , Apollo Beach, FL 33572, (813)-641-7897; e-mail: fireweedarts@gmail.com; Web site: www.tampabayrockclub.com

11 - 12 Canaveral Mineral & Gem Society—43rd Annual Parade of Gems

Dealers in lapidary, minerals, fossils, beads, jewelry and gemstones. Demonstrations; Grand Prize; Hourly Silent Auctions; supplies for hobbies and crafts and related activities. Excellent and economical Christmas shopping with one of a kind creations that make wonderful gifts.

Show Times: Saturday and Sunday 10:00 AM to 5:00 PM

Location: Melbourne Auditorium, 625 East Hibiscus Blvd. Melbourne, FL 32901

Admission; \$5 Donation

Contact: Don McLamb, CMGS President & Show Chairman

18-19—WEST PALM BEACH, FLORIDA: Annual show; Gem & Mineral Society of the Palm Beaches, South Florida Fairgrounds Expo Center East; 9067 Southern Blvd.; Sat. 9-6, Sun. 10-5; Adults \$9, Children under 12 free; Fossil dig, gem mining, geode cracking, rock and face painting, spin the wheel game, displays, demonstrations, speakers. ; contact Walt Triche, (561)-585-2080; e-mail: wtriche@gmail.com; Web site: www.gemandmineralsociety.org

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

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

Special 2 Day Class Opportunity for club members

What: Chasing & Repoussé Class

When: Late November or early December, 2-day class 9 a.m. - 4 p.m. We are trying to schedule it for a week-end.

Taught by: Lapidary Journal contributors "Ask the Experts", Kay & Tom Benham. They teach regularly at Wildacres, William Holland and John C. Campbell.

Cost: \$150 if we can get 10 people. If there are less than 8 people prices will be increased to cover expenses. (Do a web search, you won't find this offered anywhere this inexpensively!) If interested, sign up online at <http://www.canaveral-mgs.com/chasing-and-repousse-class-signup.html> or at the next meeting. A deposit of \$50 will be required to hold your place (first come, first served). Tools will be furnished by instructor for use in the class.

Repousse and chasing are techniques for creating 3 dimensional relief in sheet metal. The process is a very old one which is often overlooked by metal artists today. It is a direct method of sculpting metal using simple hand tools and hammers. In its simplest form, the metal is placed on pitch and tools are struck with a hammer to "draw the line art" on the metal and flipped to the back side to push the metal up around the lines from the previous side to add dimension. There is no loss of material when forming metal with these techniques - the metal is not cut by the tools but pushed into shape in small increments. The most phenomenally detailed designs can be created on metal or the technique can be used just to add line and shape to a piece.



A picture to wet your appetite..

Parade Of Gems MEMBER COMPETITION

AMP UP YOUR FUN AT THE PARADE OF GEMS......compete against other member for bragging rights in any or all of the following categories (ask Sharon Jones & Melissa Horan about the smack talk in the shop over this):

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.

- **Cabachon Cutting:**

○ 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

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

Items will be judged on quality and labeling according to the AMFED rules. Please see the American Federation of Mineralogists rules PDF document at http://amfed.org/rules/AFMS_Rules_2017.pdf (do a search for your particular category).

Deadline is early October to turn in your piece(s). Winner's piece(s) will be displayed at the show and then returned to you.

Wildacres September Workshop

September 18-24, 2017

<http://sfmsworkshops.com/>

Tuition \$370

Full descriptions of class and instructors on website



Bench Building – Danny Griffin

We will start with the construction of your own jeweler's workbench, with removable legs. Removable legs will make it portable enough that everyone should be able to get it home in any size car. Remember to leave room around your luggage for your bench!

Class fee Approximately \$50, Material Fee Approximately \$250 subject to the price of wood.



Cold Connections II – Morning Sherrod

This class is for those familiar with Cold Connections techniques. We will be making hinges and using sandwiching, prongs and tabs for cabochon settings. Cuff bracelets will be hammered from annealed copper tubing and will be etched or textured with other devices. Ear plugs provided!!! Emphasis will be placed on detail and designs. After the mandatory projects, students will be encouraged to accomplish more challenging pieces within their skill set. Class Fee: \$165



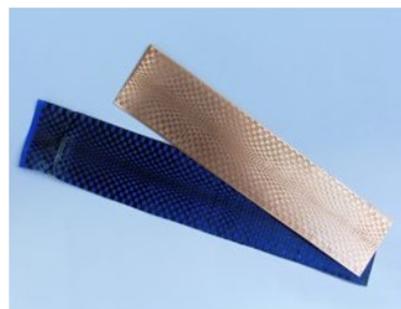
Seed Beading-Gail DeLuca

Information to come.



Moving Metal Using Foldforming Techniques- Tom & Kay Benham

Join Tom & Kay for a fun-packed week of moving metal using simple and complex foldforming techniques based on Charles Lewton-Brain's book, *Foldforming*. Basic Line Folds, T-Folds, Cross Folds, and Scored- and Bent-Folds are just a few of many folds that will be discussed and demonstrated. The process of folding metal to create large and small sculptures is easily adaptable to creating jewelry size items. Class Fee: \$100



Silver I – Pattie Appleby

Let's ETCH! Come join me for an etching party! Two days playing with ferric chloride and salt water etching! Then we will spend some time making jewelry with the copper that we etched or use it to make texture plates. We are also going to be making a spinner ring with sterling silver and a copper or sterling silver band. Let's make a sterling silver shaker ring! And finish the week off with a stone-set pendant with a toggle closure. And, of course, there will be fun little quick things to make through the week.

September 18 – 24 Wildacres (continued)



Soapstone & Wood Carving – Mary Weinheimer

Mary Weinheimer will be teaching carving using a variety of techniques such as relief carving and carving in the round and several different mediums.

This class will have a variety of projects using different techniques applied to wood, bark or stone. Students will have the option of trying one or more different projects, including jewelry, nightlights, wall hangings and figurines.

Projects are priced from

\$5.00 to \$30.00. Only your imagination will limit your creativity.

Students from beginner to advanced are welcome. Mary will have some tools available for student use. If you have any questions please don't hesitate to contact Mary at kat2359@yahoo.com

Editors Notes

By Shannon Byrd

Our Parade of Gems show is coming up in November. If you have items to donate to the auction, please bring them in to the shop so that Michael McKeon can get things put together for the auction. This is a good source of income for our club. It also offers our members and show attendees the opportunity to find great buys on items donated.



www.shutterstock.com - 214356115

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

Secretary: Denise Jackson, 320 Arcadia Ave., Melbourne, FL, 32901, (321) 373-5133

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

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: Mark Heathman, (321) 253-2856

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

Board of Directors 2yr: Freda Hull , (321) 725-0847

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

**REMEMBER TO BRING YOUR
AUCTION DONATIONS FOR
THE PARADE OF GEMS SHOW**

Bulletin Editor

Shannon Byrd

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Palm Bay, FL 32907

Email: shannonb787@gmail.com

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