

Canaveral Moonstone



Presidents Corner

We had a great turn-out for our July "Open House" gathering at the Henegar Center last month. Thanks to all of you that displayed your hand crafted lapidary treasures. Thanks also for all the tasty treats that you contributed.

It is "only" four months to our annual Parade of Gems show at the Melbourne Auditorium. It is shaping up to be another great one! Most of the booth spaces are committed (there are a few still open) and CMGS Members have volunteered to be leaders of all the committees. They need your usual great support the second weekend in November. The earlier you let them know you will be with them, the better.

Several of our CMGS members are dealers at our show (selecting from 1 to 5 tables). If any other members are interested in being Dealers this year, please contact me.

We will again have a silent auction at our August meeting, in the Cabbing room, of some of the A B Amis donated collection of his rocks and minerals.

By now, I hope all have received the great news of Roy Deere's recovery from a major heart attack!!

Don

Exchange Bulletins are Welcome

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

The Dead Line for the July Moonstone is June 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.

August 2017

Sun Mon Tue Wed Thu Fri Sat

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

* 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>

Click on the Login link and Login to the Member's Only section of the website for good sources for rock identification and tutorial recommendations.

Add your 2-cents worth! Click the right-hand sidebar for the topic you wish to comment on and help other member's with good info you've found.

If you have any recommendations for our website, please contact Sharon at webiecmgs@gmail.com

Bench Tips by Brad Smith

See all Brad's jewelry books at Amazon.com/author/bradfordsmith

FIND THE BALANCE POINT

With odd-shaped pendants or earrings it's often difficult to find the right place to attach a bail or loop so that the piece is balanced and hangs straight. A quick way to make a tool for this is to modify a set of tweezers. Any set of tweezers will work. Spread the tips, sharpen them with a file, and bend the tips at a right angle to point towards each other. To use the tool suspend the pendant or earring between two sharp points to see how it will hang.

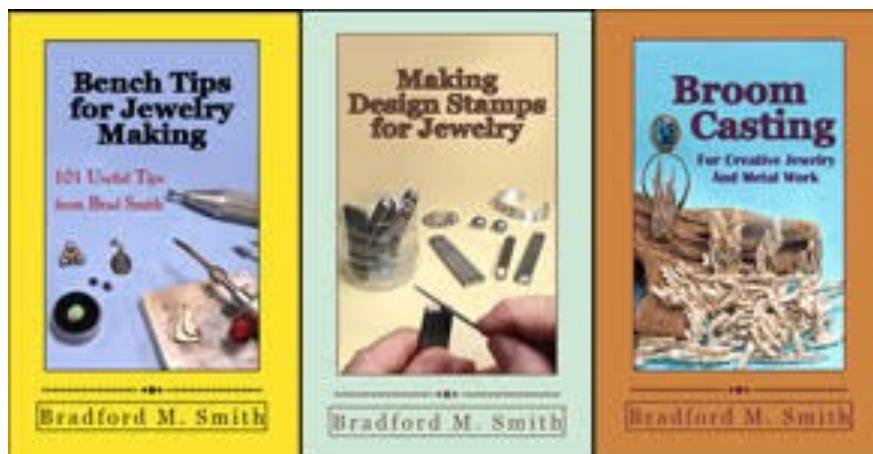


DRILL BREAKAGE

Using a small drill is difficult for a beginner, especially if it is hand held in a flexshaft or Dremel. They are easily broken if you push too hard or if you tilt the drill while it's in the hole.

Most problems, however, are the result of buying cheap drills that suffer from poor quality steel or inaccurately ground cutting edges. A good drill from jewelry supply companies is well worth the price.

Remember that drilling always goes easier with lubrication. A little wax or oil is all you need. Almost anything will work - Three and One, beeswax, mineral oil, injection wax, car oil, olive oil, or one of the commercial cutting waxes. The lubricant helps to move chips out of the hole and reduces friction of the drill against the side of the hole, keeping the drill cooler.



Rock of the Month – Realgar & Orpiment

By Dave Jacobson

This month we will take a look at two minerals, Realgar, AsS and Orpiment, As₂S₃. Both are arsenic sulfide. I'm writing about both since most specimens are made up of both minerals. Both are rare minerals. Some associated minerals are calcite and stibnite as well as other metallic sulfide ores. Both minerals should be stored in light free containers. Now a few comments on each mineral.

Realgar

This mineral almost always occurs in low temperature hydrothermal veins as well as hot spring deposits. It is in the monoclinic crystal system. Crystals are rare. Usually when found they are stubby prismatic crystals, with a rounded diamond like cross section. The crystals can range from transparent to translucent. Most material is massive or in crusts. It is orange to red in color. When exposed to light Realgar loses its color and changes into a powder. Most of the field guides I have referenced state it changes into powdered orpiment. Amethyst Galleries article on Realgar reports the following: "The deterioration of realgar was thought to produce the closely related yellow orpiment, but this was recently proven to be false and the deterioration product is in fact yellow pararealgar." It is a relatively soft mineral with a hardness of 1.5 – 2. Specific Gravity is 3.5 – 3.6. Streak ranges from yellow to yellow orange. It is an ore of arsenic. One of its other uses is as a fireworks coloring agent, which produces a bright white color. In the past it was used as a coloring agent for oil paints. Realgar takes its name from the Arabic *rahj al ghar* meaning "powder of the mine."



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Orpiment

Orpiment occurs with realgar in low temperature hydrothermal veins and hot spring deposits. Orpiment is in the monoclinic crystal system. When crystallized it is typically in small tabular crystals. Color is orange-yellow to yellow. Hardness is 1.5 to 2. Specific Gravity is 3.5. Streak is yellow. The mineral has a sulfurous odor, which is due to its arsenic content. Orpiment is an ore of arsenic. Other uses include the tanning of hides as well as the manufacture of chemicals. Orpiment takes its name from the Latin, *auripigmentum*, which refers to its bright gold color.



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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.

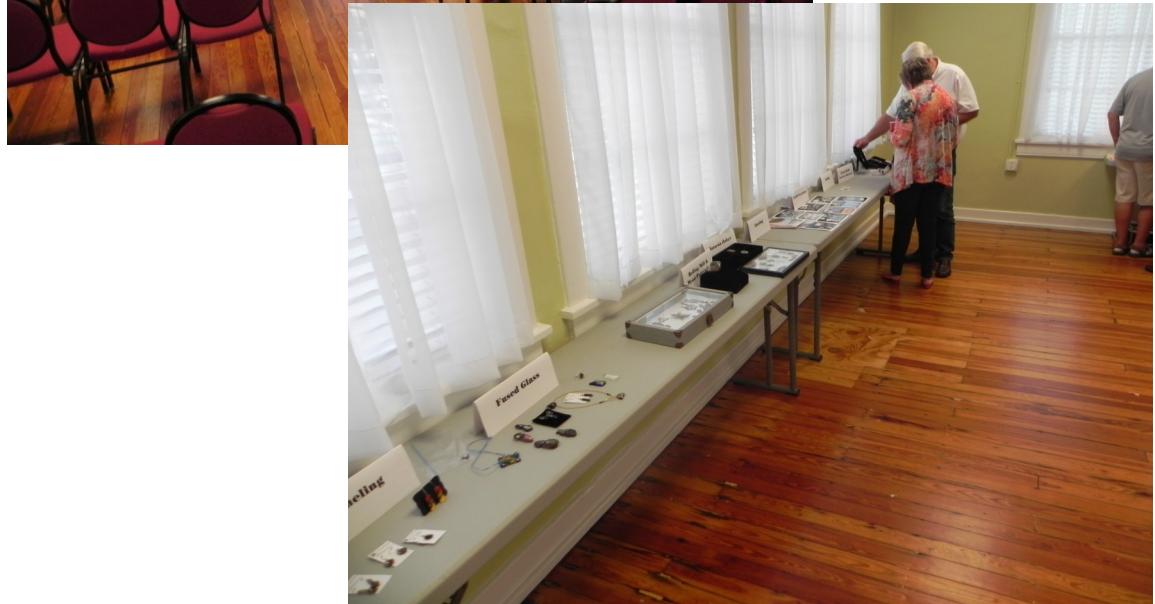
Simon & Schusters Guide to Rocks And Minerals..

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

July open house

The July meeting was the annual Open House. A fun time was had by all as we welcomed new members and guests Andy Hathaway, Xiomara Thomas, Deb Clark, Patty Corapi, Shirly Miller, Emmaria Gilmore, Donna Cotton, Mickey Furnboi and Siren Rodriguez. Thank You to everyone who displayed your creative talents and hospitality!

Respectively yours,
Denise Jackson, Secretary



Upcoming Gem and Mineral Shows

September 2017

22-24—JACKSONVILLE, FLORIDA: Annual show; Jacksonville Gem &a Mineral Society, Morocco Shrine Center; 3800 Saint Johns Bluff Rd S; Fri. 10-6, Sat. 10-6, Sun. 10-5; Adults \$4, Seniors \$3, Children Free; contact Jason Hamilton, (904)-294-4744; e-mail: jgms-show@hotmail.com; Web site: <http://www.jaxgemandmineral.org/phone/executive-board.html>

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

November 11 and12, 2017

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 hand-crafted 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.

Wildacres Workshop July Session

August 21-27, 2017

<http://sfmsworkshops.com/>

SFMS Member Tuition \$370

Full descriptions of class and instructors on website



Boot Camp in Metals and Fire – Linda Searcy

The focus on essential jewelry fabrication techniques and is a great place to jump start the absolute beginner metalsmith. Using silver and copper, we will cover sawing, soldering, filing, texturing, and much more. We will fabricate rings and pendants – create simple bezels to set stone cabochons. Ring and pendant blanks will be created with the hydraulic press and pancake dies. Hand held butane torches will be used to solder pieces together. If time permits, we will cover tube setting small faceted gemstones. Lab / Material Fee \$185



Casting – Bill Harr

This class will teach silver casting for beginner and intermediate silversmithing. The emphasis will be on production centrifugal casting, meaning techniques for high reliability. The class will teach centrifugal and vacuum casting, wax modeling, sprueing, investing, burnout, casting, finishing and polishing, rubber mold making and wax injection. Steam casting will be covered if there is interest. Waxes will be available, and students will learn to inject their own. Lab Fee: \$80 Estimated Material Costs: \$0 -\$100



Beginning Chain-Maillé Jewelry– Roy Deere

This class will provide the student with an introduction to one of the popular and fastest growing areas of jewelry making. Students will learn the proper way to open/close jump rings, basic patterns of linking the rings to form intricate chains, and finishing techniques to make the chains into wearable jewelry. The class will consist of a couple of pre-selected projects to teach the basic techniques followed by other projects. A lab fee of \$50 covers the 2 beginning kits. Total cost of the class can range from \$50 to \$150.



Intermediate Chain-Maillé Jewelry– Roy Deere

The class will introduce the student to such advanced techniques as non-round jump ring shapes, jump rings made from different wire shapes, beaded enhancements, mixed metals, dangles, drapes, and many other enhancement techniques that can be applied to traditional designs. The class will consist of one pre-selected project utilizing non-round jump rings and other projects the student can select. A lab fee of \$40 covers the non-round project kit. Total cost of the class can range from \$75 to \$250 depending upon the projects.



Fused Chain-Maille Chain-Maillé Jewelry– Roy Deere

In the Fused Chain-Maillé class we will explore the construction of necklaces, bracelets, and earrings which have all of their ends “soldered” together. All of the work will be done with Argentium wire. Argentium silver can be fused. This allows us to join the ends of a ring without having to fool with solder. It only requires smooth ends on the ring and heat on the joint. A lab fee of \$100 covers the first project kit. Total cost of the class can range from \$100 to \$300 depending upon the projects.

Wildacres August 21-27, 2017 (Continued)



Cold Connections I – Morning Sherrod

This class will start with basic skills such as the proper use of a jewelers saw, hammering, patterns, doming with dapping blocks using a die cutter, and how to anneal metal. We will be using copper, brass, bronze, and silver to add color and character to your jewelry. Connections will be accomplished using rivets, jump rings, and wire. We will also learn about patinas and etching. After the mandatory projects are finished, you will be challenged to use your imagination to construct projects of your own under my supervision. This will be a fun class with many finished pieces to take home. It will also provide a framework for more advanced projects. All materials and use of my tools for projects are included in class fees. I will have materials for purchase if needed for extra. Class Fee: \$150



Gourds are Coming Back – Pat Davis

Learn how to create geometric patterns that fit on 3 dimensional objects (gourds). Develop pyrography (woodburning) skills by burning your design on a gourd. Then add a flex shaft tool to your repertoire to explore texturing, inlay and filigree techniques. Embellish it all with paints, dyes, gold leaf or whatever else falls out of the tool box. Finish and protect your projects with waxes or sealers. Class fee includes gourds and materials needed to complete class projects. If you have any questions please contact me at 73shasta@gmail.com Class Fee: \$100



Metalwork Special Projects – Jeff Sheer

This class is “Advanced” in that I would prefer that students have a basic understanding of the craft. After taking one of the excellent beginning classes the Federation offers most people want to learn more but might not be sure what direction to go in. Most have a few unfinished projects in their tool box that need a technique or two in order to finish them. Finishing these pieces or starting something from scratch is where this class comes in.

I do not tell Class youwhttomake. is IpreferFull youtotel me what you want to make and where you are stumped . We cover many processes that will allow students to take their skills to the next level. I attempt to have a creative, relaxed atmosphere and encourage the class to enjoy what they are doing and help each other out.

We can work from pictures, drawings or “ideas” and work in Silver, Gold , Platinum or other metals. Repairs are welcome but talk to me first. Cost this year is \$55.00

Bring everything you need to accomplish your project . We usually have torches, lights, buffers and fordoms. As this is an advanced class you will need your own hand tools and optivisor. I bring some metals and solder but make sure you have what you need!

Classes must have a minimum of three students. Six students is the maximum.

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 jewelers workbench, with removable legs. Removable legs will make it portable enough that everyone should be able 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 make 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

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

South Eastern Federation of Mineral Societies

The LodeStar is a monthly publication of our South Eastern Federation of Mineral Societies.

Anyone interested in receiving a copy just need to send an email to

sfms.lodestar@gmail.com and they

will be added to the distribution list.

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 start bringing them in to the shop so that Michael McKeon can start getting things put together for the auction.

If you are interested in volunteering at the Parade of Gems show in November, contact the appropriate member listed below:

Admission Desk—Liz Ritter 321-544-2036

Silent Auction—Mike McKeon 321-795-0802

Membership Desk—Kathy Burnette 321-6939719

Door Prizes and Contests—Arthur DeLaurentis 321-242-8165

Dealers Dinner—Bea Dietz 321-821-2232

Dealers Breakfast—Shannon Byrd 321-223-4007

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

Members Corner

Deborah Goodman was lucky enough to finally go swimming with the manatees in Crystal River, Florida in April for my birthday. I went with a group at the Plantation on Crystal River. It was a great trip and experience.



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 Henegar Center, Melbourne, Florida. The time of the Meeting is 7:00PM . Visitors are always welcome.

CANAVERAL MINERAL & GEM SOCIETY
NEWSLETTER: MOONSTONE