

Canaveral Moonstone



Presidents Corner



Here we are at the beginning of the Fall Season!! Children (and some adults) are back in formal school. The rest are continuing to learn from the "school of hard knocks". This season offers mild weather, visits from family & friends, Holidays, Parties and our Parade of Gems.



There are many volunteer-to-support opportunities at our annual Gem Show.

1. Friday Evening Members & Dealers Dinner directed by Bea Dietz
2. Dealer Breakfasts Sat & Sun 8am to 10am (Leader needed)
- ALL OF THE FOLLOWING ARE SAT & SUN 10am to 5pm
3. Entrance Accommodations (tickets) lead by Shannon Byrd
4. Silent Auctions lead by Michael McKeon
5. Grand Prize lead by Art DeLaurentis
6. "Hourly" door prizes lead by Art DeLaurentis
7. Craft demonstrations lead by Art DeLaurentis
8. Membership Table lead by Kathie Burnett
9. Fluorescence Display provided by Ray Diebel
10. Children's Table lead by Bea Dietz.



Exchange Bulletins are Welcome

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

The Dead Line for the November Moonstone is October 20, 2016

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.

Editors Notes

By Shannon Byrd

Join us on October 5 for our regular monthly meeting. Bring your new creations and a snack to share your with the group. If you are taking a class or just finished a class bring in the items you made in class so others can see what is being made and if they would like to take the class.

Our raffles have been a lot of fun and continue to raise funds to send 2 lucky members of the club to William Holland or Wildacres each year. Thank you to those that participate and those that continue to donate items for the raffle. Please see Shannon Byrd if you have a donation or are interested in helping with the raffle.

October 2016

Sun Mon Tue Wed Thu Fri Sat

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

* Monday Beading Classes are 1PM—4PM and 5PM— 7:30 PM

Monday Open Shop 6PM—9PM

Bench Tips by Brad Smith

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

RAISING A CABOCHON

When a cabochon sits too low in a bezel, the bezel hides a lot of the stone. The solution is to either sand down the bezel height or boost up the stone. If you're going to raise it up, question is what is the best material to use?

I was taught to use fine sawdust but now think that might be a problem when used in rings. I reason that rings will frequently get wet, which would cause the sawdust to swell in size and push the stone against the bezel. Then when the sawdust dries out, the stone would be a little loose.

In any case, I now prefer pieces of plastic sheet to boost up my stones. Pieces are readily available from product packaging or from old credit cards. I just cut a piece to loosely fit the bezel and drop in the stone (with some dental floss) to check its height.

TRANSPARENT CAB

When bezel setting a transparent cabochon in silver, I usually cut out the back of the bezel to allow background light to show off the colors and patterns in the stone. If this is not possible or appropriate, I worry that the silver bezel will tarnish under the stone and will ruin its brilliance. What to do?

My solution is one extra step before setting the stone. I place a piece of thin silver Mylar plastic under the stone to act as a mirror that will never tarnish. Mylar is readily available in craft and gift wrap stores, or in a pinch from a party balloon supplier. You may even want to experiment with using colored or patterned Mylar (i.e. diffraction pattern) under some stones.

September Business Report September 7, 2016

The September 7 meeting was called to order and the Pledge of Allegiance was lead be Don McLamb.

Visitors were welcomed. (Likely new members)

Liz Ritter gave the treasurer's report noting deposits included payments from 2 new vendors for our parade of Gems.

Membership chair Kathie Burnett reported membership was nearing 170.

Mark Jackson announced that the "Book" for classes was available and encouraged members to sign-up.

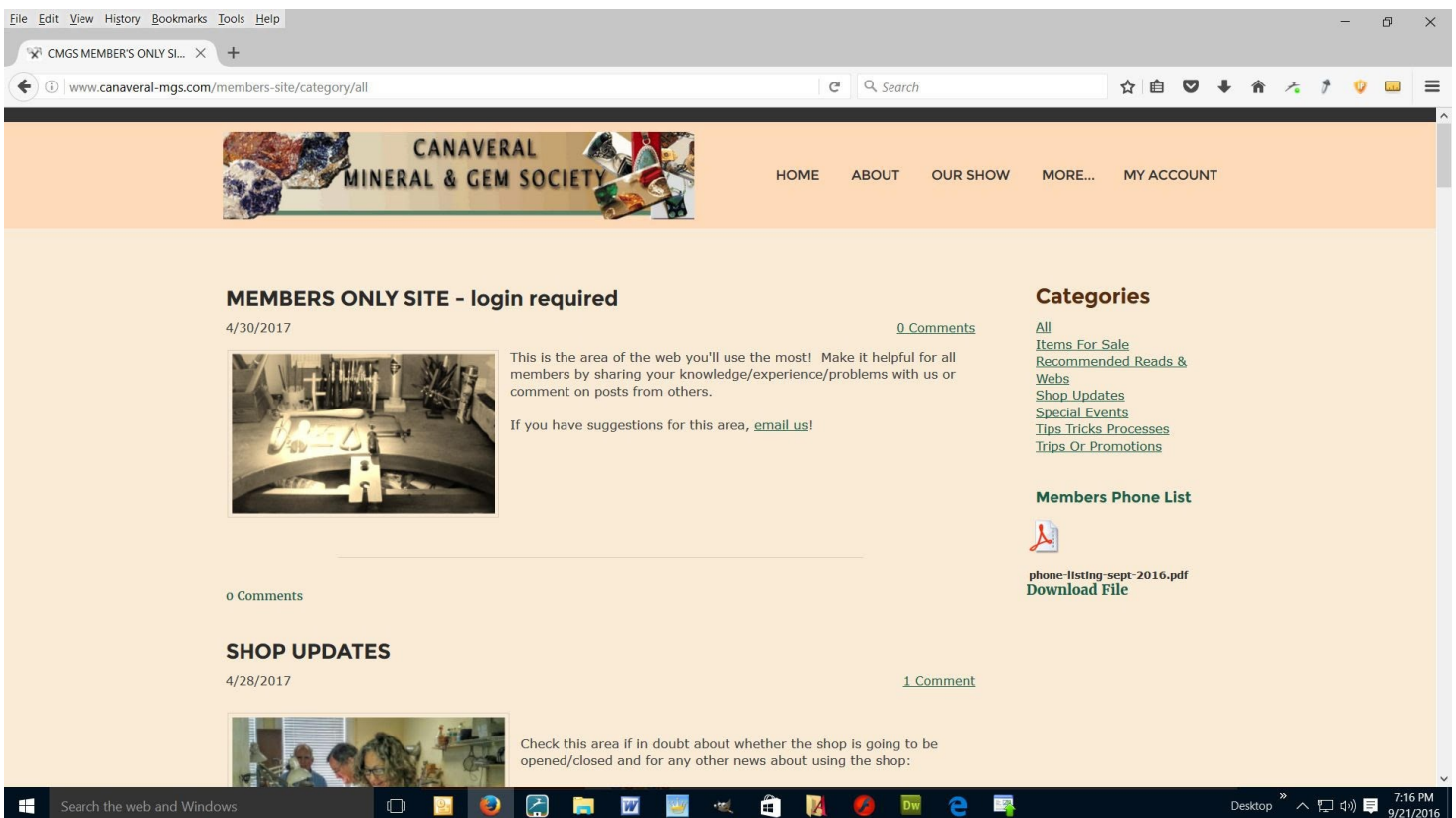
Dave Jacobson presented Mineral of the Month, Diamonds.

Dave Also presented Show & Tell. The members showing the large number if items this month shared their joy in crafting the items.

After a refreshment break, Bea Dietz enthusiastically shared her plans for the Parade of Gems Children's Table.

CMGS Website By Sharon Jones

"You can find tips and tricks & recommended websites at our "Members Only" portion of our website <http://www.canaveral-mgs.com>. Click the "Log In" link on the right hand side and log in using the email address you get email from the club. If its your first time, use whatever password you'd like. Once logged in click on "Member's Site" and you'll be presented with the screen below. Click on any category to read info and feel free to comment while you're in one of the categories. This site will grow with lots of good info from everybody with info to share...you know, the kind you garner when you come to a meeting or class or just come work at the shop! Also, you can always find the latest phone listing and newsletters here too.



File Edit View History Bookmarks Tools Help

CMGS MEMBER'S ONLY SITE

www.canaveral-mgs.com/members-site/category/all

CANAVERAL MINERAL & GEM SOCIETY

HOME ABOUT OUR SHOW MORE... MY ACCOUNT

MEMBERS ONLY SITE - login required

4/30/2017 0 Comments

This is the area of the web you'll use the most! Make it helpful for all members by sharing your knowledge/experience/problems with us or comment on posts from others.

If you have suggestions for this area, [email us!](#)

0 Comments

SHOP UPDATES

4/28/2017 1 Comment

Check this area if in doubt about whether the shop is going to be opened/closed and for any other news about using the shop:

Categories

- All
- Items For Sale
- Recommended Reads & Webs
- Shop Updates
- Special Events
- Tips Tricks Processes
- Trips Or Promotions

Members Phone List

[phone-listing-sept-2016.pdf](#)
Download File

Mineral of the Month - Graphite

By Dave Jacobson

This month we will look at graphite, C, elemental carbon. Graphite and diamond are both polymorphs of the element carbon. Both are carbon but have completely different forms and structure. Some interesting facts about both follow:



Graphite

One of the softest minerals
mineral

Good conductor of electricity

Good lubricant

Opaque

Hexagonal crystal system

Diamond

Hardest

Insulator

Ultimate

Usually

Isometric crystal system

abrasive

transparent

The differences between diamond and graphite are due to the atomic structure of each mineral. In graphite the atoms are closely spaced in planes with wide spacing between the adjacent planes. There is a tight bond between the planes of atoms but a weak bond between the adjacent planes. In a diamond the atoms are equally spaced. Each atom is at the center of a tetrahedron of four other carbon creating an extremely strong framework.

Graphite primarily occurs in metamorphic rocks such as marbles, schists and gneisses. It is the result of the metamorphism of organic material in rocks. It is sometimes also found in igneous rock. Some associated minerals are quartz, calcite, micas and tourmalines. There are large deposits in Sri Lanka, Malagasy Republic, Russia, South Korea, Mexico and Czechoslovakia. There are large economic deposits at Val Chisone, Italy. Small hexagonal crystals are found in the marbles in Sussex County, New Jersey. Graphite is mined for use in refractories, electrodes, dry lubricants, pencil leads and dyes.

Graphite is in the hexagonal crystal system. Diamond like striations are sometime observed on the small hexagonal graphite crystals. I have a specimen I collected in a limestone quarry showing these markings. Graphite is also found in the massive form. Economic deposits are in the massive form. It's color is black silver or grey. It has a metallic to dull luster. A hardness of 1 to 2, with a specific gravity of 2.2. Streak is black grey to brownish grey.

Graphite takes its name from the Greek, "graphein", meaning to write.

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 & Schusters Guide to Rocks And Minerals.

Amethyst Galleries Mineral Gallery on the internet (address <http://mineral.galleries.com>).

Upcoming Gem and Mineral Shows

October 7th, 8th and 9th, 2016

Florida National Guard Armory, 2809 South Fern Creek Ave., Orlando

Central Florida Mineral and Gem Society, a non-profit educational organization, is hosting a Rock, Mineral, Gem, Jewelry & Fossil Show on October 7th, 8th and 9th, 2016 at Florida National Guard Armory, 2809 South Fern Creek Ave., Orlando, FL 32806. Show time: Fri. 1 pm to 6 pm, Sat. 10am to 6pm and Sun. 10am to 5pm. Vendors offering beads, minerals, gemstones, custom jewelry, fossils, artifacts, metaphysical stones, etc. Silent Auction and Door Prizes. Demonstrations: beading, cabochons and wire wrapping. Family Activities. Contact: phayes3@cfl.rr.com. Admission: Adults \$5, Students \$2, Uniformed Scouts Free. Website: www.cfmg.org.

October 15-16, 2016

PLANT CITY, FLORIDA

Annual show; Tampa Bay Mineral & Science Club

Live demonstrations including cabochon cutting, wire wrapping, flint napping, gem trees, chainmaille and more. Bid for bargains at our silent auction and win door prizes throughout the day. Kids can explore the touch table and prospect for treasure at our sluice box. Perfect opportunity to shop for that special gift for the holidays.

Plant City Strawberry Festival Expo Hall; 2301 W. Oak Ave.; Sat. 10-5, Sun. 10-5; Adults/Seniors \$5, Students \$4, Children under 12 free;

November 12 and 13, 2016

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 & Acting Show Chairman

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

Tips sent to me by Carol Wilson from Lapidary Arts Magazine

1. Make a Super Sharp Scribe: A really good, ultra sharp scribe is difficult to locate, but you can make your own with a heavy-duty sewing needle clamped in a pin vise. This makes the sharpest scribe you'll ever use, and its tip is quickly and easily replaced if damaged. It works especially for marriage-of-metal projects where an exact outline must be marked and then sawed out. Be careful, it is very sharp! You can also use this for a helper when doing chain-maille.

2. Pickle-Safe Strainers: Sometimes it can be a problem to remove a small piece from your pickle pot. Check your kitchen supply store or favorite all-purpose store for nylon-screened or plastic strainers. Water cool the soldered piece first, place it in a metal-free strainer, and then place the strainer in the pickle pot. It can be easily retrieved and then rinsed in the strainer, too. Make sure your strainers are plastic or nylon mesh. Do not use metal strainers in your pickle pot!



Metal on File vs File on Metal: Metalsmiths often experience difficulty generating a long edge that is flat, straight, and square when using the traditional jeweler's file. The method we recommend is the opposite of what is usually taught--instead, we bring the metal to the file and not the file to the metal. We use a large 14" fine-cut file, sold as a Formica file for smoothing the edges of countertops. We place the file flat on the bench top, and then, holding the metal in a vertical position, pull it along the cutting surface of the file. This method generates a long, flat, square edge in a fraction of the time of the traditional method.

Lubricating Gravers and Other Small Tools: Oil of wintergreen is an excellent lubricant when cutting with a graver. A very convenient dispenser for the oil can be made from a small empty mint or lozenge tin. Simply drill a 1/4" to 3/8" hole in the center of the lid. Place a cotton ball in the tin, saturate it with oil of wintergreen, and replace the lid. Dip your graver tip into the cotton ball through the hole in the tin often while cutting. When not in use, cover the hole in the lid with masking tape. Caution: Wash your hands often and don't rub your eyes.

Soldering Copper with Minimal Oxidation: We advise using borax paste flux. You never want to put the tip of your flame directly on the solder as it will cause the solder to oxidize immediately before the metal has been heated to the proper soldering temperature. Watch the flux to see when it becomes glassy and continue to heat until you see the solder begin to flow. Remove the torch as soon as the solder has flowed completely along the joint. Remember, the torch does not melt the solder; the torch heats the metal, which in turn causes the solder flow.



Recycling Charcoal Soldering Blocks: You probably know that soldering and fusing on a charcoal block generates a reducing atmosphere that diminishes silver oxidation and produces stronger soldered joints. However, charcoal blocks deteriorate rapidly, so that we are often left with unusable small chunks of charcoal--plus they're expensive to replace. One solution is rubbing the broken charcoal pieces into the surface of a white firebrick, thus creating the desired reducing atmosphere for soldering.

Recycling Solder Bricks: You can scrub off some of the dirty, burnt, crusty surface of your soldering brick (like one of mine, above) on concrete or asphalt (or with a wire brush) to reveal a fresher working surface.

The Benhams are just brilliant! Their many years of experience have generated fantastic projects, tips, and technique advice for *Lapidary Journal Jewelry Artist* magazine that has made many a jewelry maker's life easier.

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

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

Board of Directors

Alfred Lightsey: One-Year Term, (321) 676-0795

Roy Deere: Three-Year Term (321) 725-9179

Freda Hull: Three-Year Term, (321) 425-0847

The Nominating committee (for 2017 CMGS officers and director) held their first meeting in mid-September. The committee is formed from the current Board of Directors and the Chairman of the committee is Roy Deere. Their recommended slate will be sent to all CMGS members 2 weeks prior to our election at the November CMGS meeting.

Parade of Gems Notice

Please bring your donations for the Parade of Gems silent auction to the club. Michael McKeon will pick them up there. The sooner we bring them in the easier it will be for Michael to get them ready for the auction. The auction raises money for our club and is a lot of fun too. So bring in your items you are not using and help the club while you clean out your craft room.

Canaveral Mineral and Gem Society, Inc.

P.O. Box 1597, Melbourne, FL 32902-1597

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