

# Canaveral Moonstone



## Presidents Corner

Our delightful Florida Spring weather has continued into May! We all know it will end soon but some of us like it hot.

There is still time to make plans and enjoy a great week of improving your lapidary skills by signing up for a class at Wild Acres and William Holland. They both have excellent opportunities scheduled for this year. In addition, our club members that volunteer to teach are offering a great variety of classes to enjoy to enjoy at our Henegar shops.

The number and variety of Dealers for our Parade of Gems is progressing well. Two of our dealers from last year have not yet responded but several new ones have decided to join us. We are approaching the level of participation we had last year and several new ones have expressed interest but have not yet sent their deposit.

I encourage all to visit our website, [www.canaveral-mgs.com/](http://www.canaveral-mgs.com/). Our Webbie, Sharon Jones has led in the expansion and improvement of our face to the world.



*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, 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](mailto: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 (except August) 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.

# June 2016

**Sun            Mon            Tue            Wed            Thu            Fri            Sat**

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

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

Monday Open Shop 6PM—9PM

## Mineral of the Month - Pyrite

By Dave Jacobson

This month we will take brief look at pyrite, iron sulfide,  $\text{FeS}_2$ . If you have ever heard the term “fools gold” it is referring to pyrite, due to the minerals color. But once you have seen real gold in a quartz matrix you will not confuse pyrite with gold. Most people who collect minerals have one or two pyrite specimens in their collections as they make beautiful specimens. Pyrite is very common and is found in all mineral environments.



Some minerals associated with pyrite are quartz, calcite, gold, galena, sphalerite, and fluorite. A lot of gold ore is massive quartz shot through with pyrite where the gold is not visible by eye. Beautiful pyrite specimens have been found in many locations in the world. Fossils from some locations have even been pyritized.

Pyrite is a sulfide mineral in the isometric crystal system. Most pyrite has a pale brass -yellow color with a metallic luster. Parallel striations are very common on the crystal faces. These striations are one of the features that help in the identification of pyrite.

Pyrite has a brittle to conchoidal fracture with no cleavage. It has a hardness of 6 to 6.5, with a specific gravity of approximately 5. Its streak is greenish to brownish black. It is insoluble in hydrochloric acid, but powdered pyrite dissolves in nitric acid. When Powdered, pyrite, when heated gives off sulfur smell and leaves a small Metallic, magnetic globule.

Pyrite gets its name from the Greek, pyrites lithos, which means “stone which strikes fire. Pyrite will spark when hit with a piece of iron.

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.

The Audubon Society Field Guide to North American Rocks and Minerals.

Amethyst Galleries Mineral Gallery @ <http://mineral.galleries.com>

Editors Notes  
By Shannon Byrd

Join us on June 1 for our regular monthly meeting. Many classes are in session and there are lots of beautiful creations being made, bring them in for show and tell. Share your favorite snack with the group.

The mineral of the month will be pyrite, bring in samples if you have them.

Please send your favorite recipes to Pegatha at [mempkm@me.com](mailto:mempkm@me.com) for the CMGS cookbook.

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.

## Monthly Bench Tips

By Brad Smith

"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon [www.BradSmithJewelry.com](http://www.BradSmithJewelry.com)

### TESTING FOR SILVER

With the price of silver as high as it is, jewelry people need to keep their scrap metals sorted. Part of that process is identifying some of those unknown "silvery" pieces in the bottom of the toolbox.

Silver testing solutions can be used to distinguish high silver content alloys like Fine (.999), Sterling (.925) and Coin (.900) from alloys that have the same appearance but no silver content, like German Silver or Nickel.

I purchased a half-ounce bottle of JSP Silver Testing Solution #GT41 for \$3. With a fresh solution you have an instant reaction after applying it to the metal being tested. Procedure is simple - as you apply a small drop, look for a color change. Note that the acid will leave a slight mark, so choose a spot that is out of the way or will be easy to polish.

If you suspect the object is silver plated, you should file a little notch somewhere inconspicuous to expose what metal is below the surface. Otherwise, all you test will be the surface plating.

Here's the reaction I get when testing various materials:

Fine silver	Red/Orange
Sterling silver	Brick Red
80% silver 20% copper	Dark red changing to gray
Brass	Yellow changing to blue
Nickel	Gray-green
Copper	Yellow changing to blue
Steel	Black
Stainless Steel	No color change

Caution - If you do any of this testing, know that you are handling a reasonably strong acid. The GT41 label says it includes nitric acid and potassium dichromate.

Wear safety glasses.

Do not get any testing solution on your skin.

Always have a solution of baking soda and water handy to neutralize acid.

Wash and clean up well when you're done.

**May Meeting– May 4, 2016**

The meeting was called to order by President Don McLamb. He led us in the Pledge of Allegiance. We welcomed guests and new members Beth ,Jason and Alexander Montalvo, Kim Adkinson Cowles, James Bonner Jim Williams and Franci Kenttman. Welcome!

The April meeting minutes were approved and Treasurer Liz Ritter gave the Treasurer's report. Don McLamb let us know that a directory from vendors for the Southeast Federation will be put up in the workshop area. He also mentioned that the club received a Thank You from Florida Atlantic University for the four scholarships we sent to the for their annual field trips. Bud Sharp of Satellite Beach is selling lapidary equipment.

Don thanked all who brought in refreshments for the meeting.

Kathy Burnette stated we are now up to 148 members

Mark Jackson brought in the class sign up book and said those of you who have signed up on line at our website were added to the sign up book. Various classes are now being taught to club members. Chain Maille with Roy Deere, Don McLamb teaches opal cutting, Kathy Ero teaches enameling and Shannon Byrd teaches wirewrapping. Thanks to all! Bill Harr mentioned that the first Southeast workshop is coming soon to William Holland and he will be teaching Lost wax casting. You can check out the offerings at the Southeast Federation Mineral Society website and link up to workshops.

Roy Deere said he would be taking orders for a group buying of Lynstrom pliers. He recommends them for ease of hand movements for projects in Chain Maille in particular.

Shannon Byrd gave the Moonstone update. Please get in touch with her if you are not receiving it.

Dave Jacobson presented Mineral of the Month, Pearls. We learned that natural pearls , the mullusk injects the irritant (nacre) but in cultured pearls the irritant is placed by man. You can check real pearls by a gritty feel on your teeth. Plastic will not have the grit.

Show and Tell brought nice projects from club members. Shannon Byrd showed Chain Maille from Roy's class and a wirewrapping project. Susan Lord showed she had made in Shannon's wirewrapping class, a copper bracelet and a Laberdorite heart pendant. Judi Rutstein showed her enameling from Kathy Ero's class and stated she interested in buying a small kiln for more adventures in glass. Melissa Horan brought examples in from Shannon's wirewrapping class..Dave Jacobson brought in his latest creations of silversmithing and wirewrapping seaglass. Haydee Hernandez brought in examples of her Monday day and evening bead class and workshop. She showed examples of recently completed projects and upcoming focuses. Thank You all for sharing!! We discussed the upcoming Parade of Gems show we have on November 12, 13. If any club members want to set up a table to sell to get in touch with him . We agreed that we could have a club demonstration area out in the front lobby so folks could see what we do and share.

The monthly meeting raffle is to raise money to give scholarship to club members at the SFMS workshops..Winners for the month of May were Joe Bina who chose a Unakite slab, Mellisa Horan who won two picks, a bag of mystery rocks and a beaded Haydee creation.Bob Derleth chose a pair of Florida earrings and Liz Ritter picked up some Peruvian Opal.

After a brief refreshment time we settled into a informative presentation by Dave Jacobson on his adventures of Photographing Mineral Specimens. His excellent pictures were done the old school way , making his own diffusers with different objects like cut milk jugs. It's amazing how technology has accelerated in the the world of camera and computer. Thanks Dave!!!

See you on June 1. Rock On!!! Respectfully yours, Denise Jackson, secretary

## Upcoming Gem and Mineral Shows

**September 23-25, 2016**

**Jacksonville Gem & Mineral Society**

Rocks, Gems, Jewelry and More

Friday: 10 AM to 6 PM,  
Saturday: 10 AM to 6 PM,  
Sunday: 10 AM to 5 PM

Morocco Temple, 3800 St. Johns Bluff Road South, Jacksonville, Florida 32224

**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.

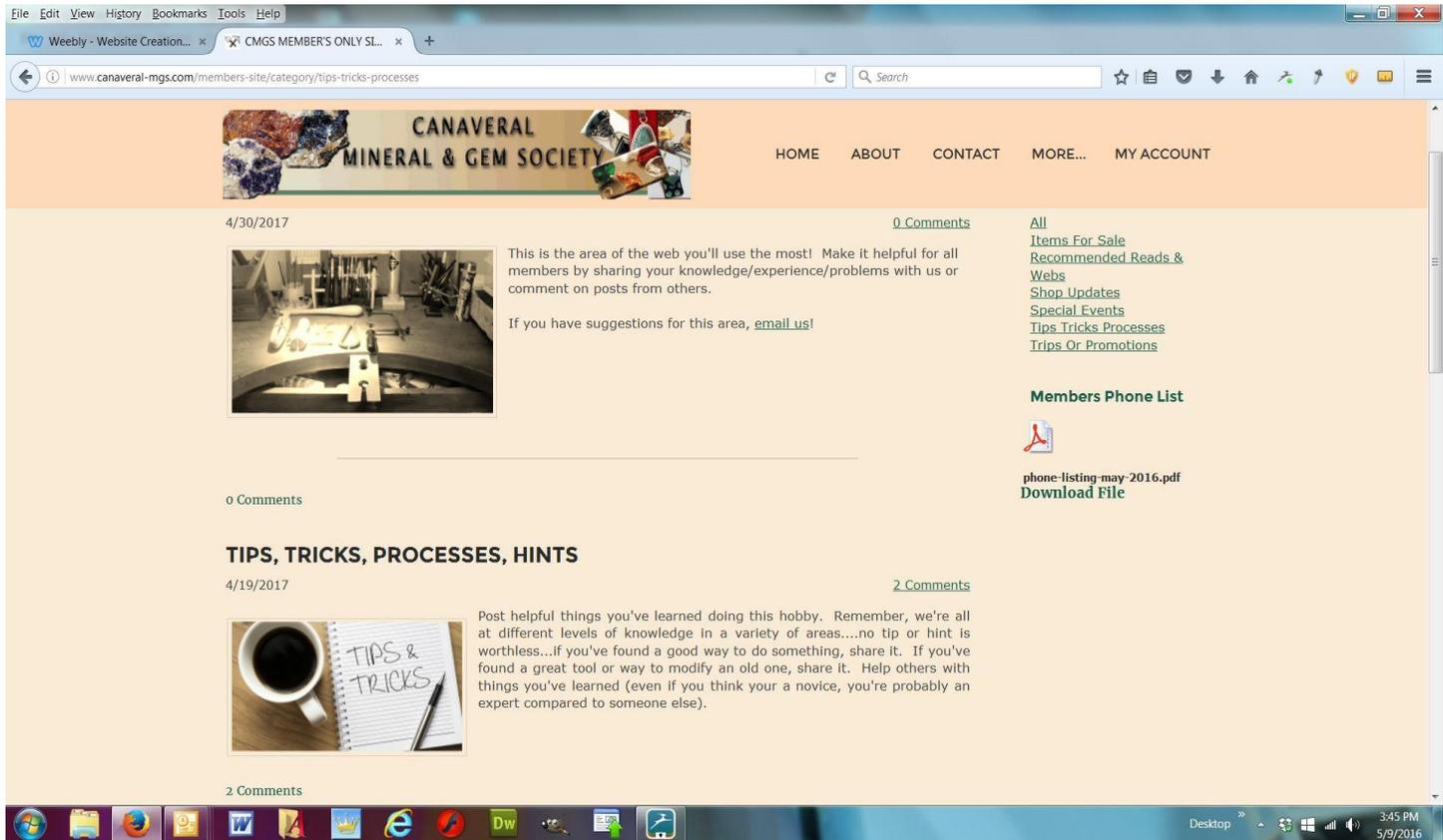
Show Times: Saturday and Sunday 10:00 AM to 5:00 PM

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.



“Do you want to go in together with other members to order materials hopefully at a cheaper rate or at least share the shipping costs. Do you have equipment/supplies you’d like to get rid of or sell or perhaps buy some? Have you come across little tips you could share with other members? (Or perhaps you could check out ones we already have online at our site...

These are some of the benefits you have on the club website. Do you have some things pertaining to the lapidary hobby that you wish to sell or trade like equipment you no longer use or beads you’ll never use. Would you like to sign up for classes without waiting to get ahold of the class book during meetings?

You can find all this on the Member’s site of <http://www.canaveral-mgs.com> Log in using the email address you got this newsletter at and a password (if you’ve never logged in before, use whatever password you wish)... and you can find all these things. To post a comment, simply find what you are looking for a click “comment” and post.

If you have any questions or problems contact Sharon at [webiecmgs@gmail.com](mailto:webiecmgs@gmail.com) or click on the webie link on our website home page.

**SFMS Sessions for 2016 - <http://www.sfmsworkshops.com/schedule2016.html>****WILLIAM HOLLAND SCHEDULE June 5—12, 2016**

Beading -Becky Patellis  
 Cabochons - Dave Bergquist  
 Casting - Bill Harr  
 Chainmaille - Kathy Morris  
 Faceting - Tom Mitchell  
 Gem Trees - Jerri Heer  
 Mineral ID - Scott Forward  
 Opals - Carl Talbott  
 Polymer Clay - Sandra Davis  
 Silver II-SW Silver - Nancy English  
 Wire I - Sandy Bergquist  
 Wire II - Wire Weaving & Wire Wrap Filigree - Jan Stephens

**WILDACRES SCHEDULE 2016****August 22—28**

Fused Chain Maille - Roy Deere  
 Metalwork Special Projects - Jeff Sheer  
 Beading - Advanced  
 Mineral ID - Travis Paris  
 Chasing & Repousse - Tom and Kay Benham  
 Display Case - Danny Griffin  
 Deep Relief Wood Carving - Clancy Smith  
 Metal Clay 1 - Katie Baum  
 Gourds - Pat Davis  
 Beginning Wire - Rowan Rose

**September 19—25**

Chain Maille 1-2 - Roy Deere  
 Gem Identification - Teresa Polly  
 Casting - Bill Harr  
 Flint Knapping - Michael Miller  
 Wire for Beaders - Leslie Wayment  
 Faceting - Tom Mitchell  
 Silversmithing - Pattie Appleby  
 Scrimshaw - Rich Williams  
 Cold Connections and Enameling - Debora Mauser  
 Chasing & Repousse 2 - Tom and Kay Benham  
 Metal Clay 2 - Katie Baum

## **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

**Canaveral Mineral and Gem Society, Inc.**

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

**Bulletin Editor**

Shannon Byrd

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

**CANAVERAL MINERAL & GEM SOCIETY**  
**NEWSLETTER: MOONSTONE**