

# Canaveral Moonstone



## Presidents Corner

In the midst of this beautiful winter weather, we should all feel blessed to be living in Florida!!

Plan on participating in our Spring (Dolly's) Picnic at Goode park in Palm Bay on Sunday, April 2. The park is located on Turkey Creek at 1300 Bianca Drive, north of Port Malabar Road in Palm Bay. Enter Palm Bay Road from US 1, cross the railroad tracks, turn right onto Bianca Drive NE and proceed to the end of the street. The pavilion and parking area is ahead and a little to the right. We have reserved the pavilion from 9:00 am until 6:00pm. Lunch will start around 12:00. All members are asked to bring their favorite dish to share.



The "Verbal" Auction will start around 1:30. Bring donations for the auction to our February and March meetings (box will be in break room) and to the Picnic. There will also be another silent auction of some of the rock collection that A.B Amos donated to CMGS last year.

CMGS will provide hamburgers, veggie burgers, hot dogs, buns, onions, tomatoes, lettuce, beverage, ice, catsup, mustard, relish and disposable service items.



Tail gating is encouraged at the picnic.

I plan on a mid-February meeting of our Board, last year's leaders, and other interested CMGS members, to review plans for our 2017 Parade of Gems. Please let me know if you are interested in participating.

*Don*

**Exchange Bulletins are Welcome**

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

**The Dead Line for the March Moonstone is February 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](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 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 February 1 for our regular monthly meeting. Bring your newest creations and a snack to share with the group.

As we prepare for Dolly's Picnic, please remember to bring in your donations. The picnic will be held at Goode Park in Palm Bay on April 2.

I'd like to add a page to our newsletter each month showing our club having fun together as we learn about the art of making jewelry. If you have pictures, please send them to me with names and dates at [shannonb787@gmail.com](mailto:shannonb787@gmail.com)

# February 2017

Sun      Mon      Tue      Wed      Thu      Fri      Sat

			1	2	3	4 Open Shop 9 am-12 pm
5	6 Open Shop 6-9 pm	7	8	9	10	11 Open Shop 9 am-12 pm
12	13 Open Shop 6-9 pm	14 Happy Valentines Day	15	16	17	18 Open Shop 9 am-12 pm
19	20 Open Shop 6-9 pm	21	22	23	24	25 Open Shop 9 am-12 pm
26	27 Open Shop 6-9 pm	28				

\* Monday Beading Classes are closed for February

Monday Open Shop 6PM—9PM

## Bench Tips by Brad Smith

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

### ADJUSTABLE CHUCK FOR DREMELS

Many of us have a Dremel motor tool to use at home or when out to a class or workshop. The one thing that makes this tool much more productive is the addition of one inexpensive option, an adjustable chuck.

The basic motor tool as sold typically comes with a collet chuck. This means you have to use a wrench to change every tool bit, you have to switch collets to use different shaft sizes (3/32 or 1/8 inch bits), and you can't use ordinary drills at all - only the special ones that have a 3/32 shaft.

A simple and inexpensive (\$12) adjustable chuck solves all of this. It's available in most large local hardware stores or modelmaking outlets. Tightening the chuck is done easily by hand to any size shaft. No key is required.



## December Business Report January 4, 2017

The meeting was called to order by President Don McLamb. He led us in the Pledge of Allegiance. We welcomed new member Jillian John and guest Delores. Don spoke of Dolly's annual picnic coming up April 2, 2017 at Goode Park in Palm Bay. Direction and times will be put in the Moonstone. He also spoke of the various Gem and Mineral shows happening in Florida in the upcoming months. He told us about the Old Vero Man Site and how it's in our own back yard. We decided that we'd try to have a field trip to tour it. Denise Jackson is working on the details but it will take place in February or March. We have a sign up of 11 members so far. You can find out about the site on their website, [www.OVIASC.org](http://www.OVIASC.org) and if interested please call Denise at [\(321\) 373-5133](tel:3213735133) so we can get an accurate number to the tour.

The December notes were accepted and Liz Ritter gave the Treasurers Report.

Kathie Burnette announced we are now up to 201 members.

Don thanked all who brought in treats for break time.

Dave Wayment, Educational Chairman stated the sign-up book was circulating in the room. Mark Heathman stated he would be teaching Faceting in February and March. Roy Deere said he will be teaching both day and evening classes on Fridays.

Shannon Byrd stated all was well in the Moonstone but would appreciate more photos of classes, projects, etc. to share with other members.

Dave Jacobson presented Mineral of the Month, Borax, which was originally discovered in Tibet and has many uses.

Show and Tell brought a few items to share. Art DeLaurentis brought in some recently made pendants using rutilated quartz, Ametrine, and Opal. Roy explained the class he would be giving and brought in examples of the Argentium silver that would be used in the class. Leslie Wayment brought in various mineral specimens. She had Selinite and some Sodium Carbonates, in clear, Desert Rose and green which contains copper. She also showed us her Christmas gift from Dave which is a hardness test kit and explained how it's used. Dave Jacobson showed recently made pendants also. He had a blue Opal, which shined. He also talked of how to protect gallery wire when using flame around it due to the fragility of it. Compounds such as Vigor Heat-shield, Blackmax, Yellow Umber mix with alcohol are a few products used. Joe Bina showed us his recent slab cuts as he's enjoying his new saw. Thanks, everybody for sharing!!

Don McLamb asked everyone to think about how they could help about the Parade of Gem show in November. Never too early to volunteer!

The scholarship raffle for the evening proved to be lucky for Joe Bina (Amber), Liz Ritter (Leopard Jasper slab) and Sara Denaburg (Celtic pendant)

After a refreshment break, Bill Harr gave an entertaining talk on a recently viewed You Tube video that he then tried about Casting in Cooking. He demonstrated the project of making your own Gummy Bears and we all got to share. Thanks Bill!!

Hope everyone's new year is treating you all well and fine.

Respectfully yours, Denise Jackson, Secretary

## Mineral of the Month – Barite

By Dave Jacobson

The mineral we are featuring this month is barite, barium sulfate, BaSO<sub>4</sub>. Barite is an anhydrous sulfate mineral. Other anhydrous sulfate minerals are celestite (strontium sulfate) and anglesite (lead sulfate). Barite is a common gangue mineral in low to medium temperature hydrothermal veins. It is often associated with lead, silver and antimony sulfides. It is also found in cavities and pockets in sedimentary limestones and dolomites. Barite ore is the main source of barium. Some of the main uses for barium are in radiography and oil drilling. Barium is one of the main ingredients in the drilling "mud" which is used to lubricate the bit during the drilling process.



Barite is in the orthorhombic crystal system. Colors can range from colorless, white, and variations of blue, green, yellow and red. It usually has thin to thick tabular crystals. The crystals can occur as square tablets, beveled edge tablets and prisms with a chisel tip. A "desert Rose" is a rosette of barite plates with an aggregate of sand and earth inclusions. Barite can be transparent to translucent. It is often colorless, but can be pale blue, yellow, brown and grayish. I have a yellow crystallized specimen in my collection from Elk Creek, Mead County, South Dakota. Barite "desert roses" are found in Oklahoma. Barite is a common mineral and found in many locations in the world. Barite has a hardness of 3 to 3.5 with a specific gravity of 4.3 to 4.6. Streak is white. Fracture is conchoidal. One way to test for barite is the flame test. Powdered barite will burn light green in a gas flame. Celestite, strontium sulfate, burns red in the flame test.

Barite gets its name from the Greek, *barys*, meaning "heavy".

This is due to the high specific gravity of the mineral.

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.*

The Audubon Society Field Guide to North American Rocks And Minerals

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



## Upcoming Gem and Mineral Shows

### January 2017

**20-22**—ST. PETERSBURG, FLORIDA: Show and sale; Frank Cox Productions, The Coliseum; 525 Fourth Ave. N.; Daily 10-5; Admission \$5, Under 16 Free; Gems, Jewelry, Crystals, Minerals, Fossils, Beads. \$3 entry with this listing.; contact Frank Cox, 755 S. Palm Ave. #203, Sarasota, FL 34236, (941)-954-0202; e-mail: frankcox@comcast.net; Web site: frankcoxproductions.com

**21-22**—DELAND, FLORIDA: Show and sale; Tomoka Gem & Mineral Society, Inc., Volusia County Fairgrounds; 3150 E. New York Ave; Sat. 10-6, Sun. 10-5; Admission \$4; The Tomoka Gem And Mineral Society presents our 46th Annual Jewelry, Gem and Mineral, Fossils Show and Sale Volusia County Fairgrounds, Tommy Lawrence Building, State Route 44, Deland, FL (1/2 Mile East of I-4, Exit 118) ; contact Susan Morris, (386)-843-0152; e-mail: smorris961@aol.com; Web site: www.tomokagms.org

### February 2017

**4-5**—MERRITT, ISLAND, FLORIDA: Annual show; Central Brevard Rock and Gem Club, Kiwanis Recreation Center; 951 Kiwanis Island Park Rd, 951 Kiwanis Island Park Rd; Sat. 10-5, Sun. 10-5; Admission \$5, Children free 11 and under with adult; Pearls, findings, collector minerals, slabs and rocks for cabbing, finished cabs, handmade jewelry by several artisans, commercially made bracelets, rings, necklaces and watches. ; contact Roz Mestre, 1867 Longleaf Rd, Cocoa, FL 32926, (321)-431-0159; e-mail: roz.mestre@att.net; Web site: www.centralbrevardgems.org

**10-12**—MELBOURNE, FLORIDA: Show and sale; Frank Cox Productions, Melbourne Auditorium; 625 E. Hibiscus Blvd.; Daily 10-5; Admission \$5, Under 16 Free; Gems, Jewelry, Crystals, Minerals, Fossils, Beads. \$3 entry with this listing.; contact Frank Cox, 755 S. Palm Ave. #203, Sarasota, FL 34236, (941)-954-0202; e-mail: frankcox@comcast.net; Web site: frankcoxproductions.com

**25-25**—LAKELAND, FLORIDA: Annual show; Bone Valley Gem, Mineral & Fossil Society, Inc., First Presbyterian Church; 175 Lake Hollingsworth Dr; Sat. 9-4:30; Adults \$3, Students/Children free; adults \$3, students, children and teachers free; door prizes, Spin & Win Mineral Wheel, kids' Treasure Dig, demonstrations, educational displays, silent and Chinese auctions, more than 30 dealers, rocks, minerals, fossils, jewelry, gifts, hobby supplies, lapidary demonstrations, wire wrapping, cabochon making.; contact Kim Price, (863)-412-9156; e-mail: IBVGMFS@gmail.com; Web site: www.bonevalley.net

### March 2017

**3-5**—ST. PETERSBURG, FLORIDA: Annual show; Suncoast Gem and Mineral Society, Minnreg Hall; 6340 126th Ave. N.; Fri. 10-6, Sat. 10-6, Sun. 10-5; Adults/Seniors \$5, Students \$4, Free Admission for children; 47th Annual Gem, Mineral, and Jewelry Show and Sale to benefit the Suncoast Gem and Mineral Society. Finished and un-finished gems are available for sale from professional dealers and SGAMS. Also jewelry, beads, minerals, equipment and tools will be for sale. Other highlights include a grand drawing for a variety of jewelry, silent auctions through out the days, displays of members craft work in all areas, grab bags, magazines for sale and a gem mining area. Vendor refreshments are available. ; contact Bill Schmidt, P.O. Box 13254, St. Petersburg, FL 33733-3254, (727)-657-0998; e-mail: SGAMS-gemshow@gmail.com; Web site: www.SGAMS.com

### April 2017

**28—30** Orlando, FL Central Florida Mineral and Gem Society, a non-profit educational organization, is hosting a Rock, Mineral, Gem, Jewelry & Fossil 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](mailto:phayes3@cfl.rr.com). Admission: Adults \$5, Students \$2, Uniformed Scouts Free. Website: [www.cfmgs.org](http://www.cfmgs.org).

## 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



Mark and Jesse Heathman at the holiday party next to the beautiful Christmas tree that Mark decorated for the occasion. Thank you Mark for the tree decorations we have enjoyed for years.

**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**