

Canaveral Moonstone



Presidents Corner



February is the month for hearts ♥ and flowers. Don't forget someone special for you!!

At our January board meeting we initiated our plans for our 2018 Parade of Gems. We also decided (unanimously) to have our December party at the Melbourne Front Street facility again.



We decided to have our first Rock Swap meet on 3/17/18 and our Picnic on 4/8/18, both at the Palm Bay Turkey Creek facility, Goode park. The Rock Swap cost is just \$5 to set up, so come out and have a good time.

Make room in your busy schedules to be part of your Canaveral Mineral & Gem Society.



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 Feb. 20, 2018

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.

It's time to pay your dues for 2018. Remember that you will be removed from the class lists if you do not renew by April 1.

February 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3 Open Shop 9 am-12 pm
4	5 Beading Class & Open Shop*	6	7	8	9	10 Open Shop 9 am-12 pm
11	12 Beading Class & Open Shop*	13	14 Happy Valentines	15	16	17 Open Shop 9 am-12 pm
18	19 Beading Class & Open Shop* Presidents Day	20	21	22	23	24 Open Shop 9 am-12 pm
25	26 Beading Class & Open Shop*	27	28			

* 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)

MOBILE FLEXSHAFT STAND

A handy mobile stand for your flexshaft can be made easily and quickly from the base of an old swivel office chair. You can find these chairs being thrown out at office buildings and schools. I just asked the custodian in my building to set one aside for me.



To separate the chair from the wheeled base, simply remove the spring clip from the center bottom. I use a small screwdriver or a pair of pliers.

To make the stand, you'll need two pieces of threaded galvanized steel pipe and a pipe fitting from a hardware store. The first length of pipe is 3/4 inch diameter to fit the hole in most chair bases. The second piece is a length of less expensive 1/2 inch pipe.

The total length of the two pipes should be five feet. I used a two foot length of 3/4 pipe and a three foot length of 1/2 pipe. They are joined together by a pipe fitting called a 3/4 to 1/2 reducing coupler.



"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon,

Rock of the Month – Corundum

By Dave Jacobson

This month we will take a look at corundum,, Al_2O_3 , aluminum oxide. Two of the more famous gemstones are varieties corundum. Ruby is the red variety. All other colored gem grade material is sapphire. It is not until about 1800 that ruby and sapphire were recognized as corundum. Prior to that red spinel and garnet were also considered ruby. Some non-gem grade material is called emery is used as an abrasive. Some associated minerals are calcite, zoisite, feldspars, micas and garnet. Corundum is found in many locations in the word such as Burma; Sri Lanka, Tanzania and other African localities; India; the Middle East and Southeast Asia.

Corundum is found in a variety of deposits such as metamorphic rock, pegmatite's and nepheline syenites. The rock is typically lacking or poor in silicon oxide, which if present would combine to form another mineral. Corundum is also found in alluvial deposits. Many of the facet grade rubies and sapphires are mined in alluvial deposits.

Corundum is the second hardest mineral on the Mohs scale, although diamond the hardest mineral is four times harder than corundum. This due to the strong and short oxygen-aluminum bonds which pull the oxygen and aluminum atoms close together. This makes a tightly bonded structure that results in a hard, dense mineral.

Corundum is in the trigonal crystal system. The crystals are typically tapered hexagonal prisms. They are often tabular. The crystal ends are frequently marked with triangular striations. Colors are as follows: Ruby is intense red due to chromium. Blue sapphire is due to iron and titanium trace elements. Colors other than blue are called fancy sapphires. Padparadscha is orange due to chromium plus ferric iron. Alexandrite-like is due to vanadium. Yellow is due to ferric iron (or defects). Green is due to ferrous plus ferric iron (and defects). Colorless is pure, no trace elements. Hardness is 9. Specific gravity is 3.9 to 4.1. Streak is white.

Corundum takes it's name from the Tamil word *kuruntam* which is derived from the Sanskrit *kuruvinda* meaning "ruby".

I used the following reference materials in preparing this article:

A Field Guide to Rocks And Minerals by Frederick H. Pough.

Mineralogy for Amateurs by John Sinkankus.

Simon & Schuster's Guide to Rocks And Minerals.

Gemstones Of The World by Walter Schumann.

The Audubon Society Field Guide To North American Rocks And Minerals by Charles W. Chesterman.

Gems, Crystals, & Minerals by Anna S. Sofianides & George E. Harlow

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



January Business Report—January 3, 2018

The meeting was called to order by President Don McLamb. After the Pledge of Allegiance, we welcomed new members and guests Patricia Ford, Gail Wall, Lauren Walker, Jennifer Walker, Sonia Pevet, Robin Stuart, M. Shani. Welcome all!!

The December meeting notes were accepted.

Treasurer Liz Ritter, gave the tally for the Parade of Gems in the positive. Nice...

Don talked about the date of the next Parade of Gems which will occur on November 9, 10, 2018.

Dolly's Picnic is coming up next on April 8 at Goode Park. A family fun event, it is great time for the club, relaxing and enjoying the company. Everyone is encouraged to bring a covered dish to share. Shannon Byrd agreed to secure the site date for the club to enjoy.

The club thanked the folks who put out the extra effort for the annual Christmas party. Mark Heathman for the always beautiful Christmas tree display, Bea Dietz with Kitty McLamb with the beautiful decorations, Kathie Burnette for the fun filled Yankee Trader event!!

Kathie stated we had 193 members to date. Woohoo!

Dave Wayment gave the Education Report, new classes are starting up! Mark Heathman is teaching Faceting in January. The schedules of the SFMS Workshops are coming into place for the summer and autumn season. Go to the website to find out more details.

Our workshop times, if the equipment is used, is 7 \$ for equipment and energy used.

Shannon Byrd gave the Moonstone Report. All's O.K.

Stephanie Murphy shared her pictures of the Gem and Mineral Show with copies to take home. Thanks Stephanie!

Dave Jacobson gave the info on the Mineral of the Month, Calcite, a mineral found all over the world, even here in the Cochina rock at the beach.

Dave also presented Show and Tell. Dave presented his Viking weave necklace around a gallery wire Opal piece. Art DeLaurentis showed his Turquoise bracelet, a nice stone on chain maille. Mike Wright brought in some rock from Ruck's pit in memory of his wife, Cathy, good girl...Joe Bina brought in some recently cut slabs to share.

Scholarships for the SFMS workshops will take place in the March meeting.

The current drawing for that scholarship winners for the month were Sara Merino with a variety of stone, Patricia Ford with some findings and Mary Corbin with a shark tooth.

After a refreshment break, Art DeLaurentis gave a nice presentation on polishing machines he has made in time, explanations of polishes, and presented a demonstration of creating old school jump rings.

Thanks Art!!

Happy New Year! See all at the February meeting!

With Respect, Peace and Love, Denise Jackson, Secretary

Upcoming Gem and Mineral Shows

February 2018

3-4—MERRITT ISLAND, FLORIDA: Show and sale; Central Brevard Rock and Gem Club, Kiwanis Recreation Center; 951 Kiwanis Island Park Rd; Sat. 10-5, Sun. 10-4; Admission \$5, Children free under 12 with adult; We will have about 23 vendors displaying finished jewelry minerals, fossils, minerals, slabs, rocks, and gemstones. There will also be some equipment for sale. Vendors will be displaying strands of natural gemstones, pearls, and beads. We will have raffles, silent auction, grand prize and hourly door prizes. A sluice and spinning wheels will be available for a small fee for the children and those who like to play. Demonstrations of cabbing and faceting, as well as, club displays will also be ongoing.; contact Roz Mestre; e-mail:

roz.mestre@att.net

17 – 18 – Vero Beach, FL: Treasure Coast Rock and Gem Society 10-- 5 Sat 10—

4 Sun The show is located in Vero Beach at the Community Center

14th Avenue & 23rd Street Downtown Vero Beach, FL 32960 email: treasurecoastrgs@gmail.org web-

site: <http://www>. Show Chair: Vina Proper 772-519-0533 Co show Chair: Ann Metz 772-231-0218 Show is actively recruiting vendors; if interested, please contact the show chairs for application and information.

24-24—LAKELAND, FLORIDA: Annual show; Bone Valley Gem, Mineral, and Fossil Club, First Presbyterian Church of Lakeland; 175 Lake Hollingsworth Dr.; Sat. 9-4:30; Admission \$3, Students/Children free; Teachers Raffle, hourly door prizes, Spin & Win Mineral Wheel, Kids Treasure Dig, Earth Sciences educational demonstrations and displays, Silent and Chinese auctions and over 25 dealers of rocks, minerals, fossils, jewelry, gifts and hobby supplies. Facebook: Bone Valley Gem, Mineral & Fossil Club ; contact Kim Price; e-mail: kprice1105@gmail.com;

Web site: www.bonevalley.net

March 17 Palm Bay, Florida

Canaveral Mineral and Gem society will hold its first “rock swap” at Goode Park in Palm Bay. Bring your items to sell or trade and see what others have brought out to sell or trade. Bring your family and fiends. The club has rented the pavilion for the day so lets take advantage of the opportunity to enjoy each others company and find some new treasures.

April 2018

6-8—ORLANDO, FLORIDA: Annual show; Central Florida Mineral and Gem Society, National Guard Armory; 2809 S. Fern Creek Ave. ; Fri. 1-6, Sat. 10-6, Sun. 10-5; Adults \$5, Students \$2, Children Free; Central Florida Mineral and Gem Society’s Annual Fall Gem, Mineral, and Bead and Fossil Show. Go to www.cfmg.org for \$1 off coupon. There will be demonstrations, 30 minute auctions, kids table, sluice mining for gems, and hourly door prizes. See and buy gems, minerals, beads, metaphysical stones, fossils and much more from all over the world. Demos include cutting cabochons, wire wrapping. Adults \$5.00, Grade school students \$2.00, Scouts free. ; contact Salvatore Sansone, 6728 Oman Court, Orlando, FL 32809, (321)-278-9294; e-mail: ssfossilhunter@aol.com; Web site: www.cfmg.org

November 2018

10 -11 Canaveral Mineral & Gem Society—44th 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

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 2yr: Mark Heathman, (321) 253-2856

Board of Directors (Past President) 3yr: Dave Jacobson, (321) 676-4306

Board of Directors 1yr: Freda Hull , (321) 725-0847

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



Roy and Barbara Deere at the Christmas /Holiday party 2017.

Bulletin Editor

Shannon Byrd

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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