

Canaveral Moonstone



Presidents Corner

As predicted, the CMGS Picnic at Goode Park was excellent, supported by perfect picnic weather. Melissa did an outstanding job organizing the picnic and conducting an entertaining and profitable auction. Shannon & Dave were distributors speeding up the auction. There was great response to the request for donations for the auction. Many items remained at the end of the auction and will be added to the collection that is being formed for the 2016 Parade of Gems "silent auction". Mark Jackson was our Burger & Dog Chef for the day. Everyone brought outstanding food to share. (Thank you to everyone!!) Liz brought drinks & ice and collected the \$1,132.50 from the auction. Several members' setup attractive Tailgating opportunities in the parking lot!

The preparations for our 2016 Parade of Gems are progressing well. We now have 27 contracts with vendors. 4 of our vendors from last year have not yet confirmed they will join us this year. We are working to have additional new vendors to fill all available spaces. We are developing an advertising campaign to attract a larger crowd for our show. All help in this area is gratefully accepted.

Our CMGS shops are humming with class activity. When an instructor contacts a group of students advising of the availability of a class, a prompt response of whether you are available to attend or not would be most welcome.

All should review the list of available classes at the SFMS workshops at Wild Acres and William Holland. They are a great value and you will receive excellent instructions.

Don

Exchange Bulletins are Welcome

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

The Dead Line for the June Moonstone is May 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

May 2016

Sun Mon Tue Wed Thu Fri Sat

| | | | | | | |
|----|----------------------------------|----|---|----|----|--------------------------|
| 1 | 2 Beading Class & Open Shop* | 3 | 4 Monthly Meeting 7PM | 5 | 6 | 7 Open Shop 9AM—12PM |
| 8 | 9 Beading Class & Open Shop* | 10 | 11 | 12 | 13 | 14 Open Shop 9AM—12PM |
| 15 | 16 Beading Class & Open Shop* | 17 | 18 | 19 | 20 | 21 Open Shop 9AM—12PM |
| 22 | 23 Beading Class & Open Shop* | 24 | 25 | 26 | 27 | 28 Open Shop 9AM—12PM |
| 29 | 30 Memorial Day. Shop is closed. | 31 | Happy Memorial Day to all of our veterans. Thank you for your service. | | | |

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

Monday Open Shop 6PM—9PM

Mineral of the Month – Pearls

By Dave Jacobson

This month we will take a brief look at pearls. Although mollusk can produce a pearl, but the better pearls used in jewelry are formed in bivalves, primarily oysters (genus *Pinctada*) and some fresh water mussels (genus *Unio*). They are built up around an irritant of some type, such as a grain of sand.

The irritant is encapsulated by mother of pearl which is called nacre. Nacre is composed of microcrystals of calcium carbonate (82-86% aragonite, CaCO_3), conchiolin (10-14%) an organic horn substance and water, H_2O (2%). The conchiolin binds the aragonite microcrystals around the irritant.



The pearly luster is caused by interaction of overlapping aragonite platelets and conchiolin film near the surface of the pearl. The concentric structure causes the interference or breaking up of light falling on the pearls surface, also resulting in the iridescent colors seen on the surface of the pearl. This iridescence is called orient. Pearls with better luster have more and thinner concentric layers of nacre.

The hardness of a pearl is 2.5 to 4.5, although they are very tough and difficult to crush. Pearls are most often white or cream, but can be various pastel shades as well as black. Fresh water pearls can also be dyed various colors such as yellow, green, blue, brown, pink or black. In natural pearls the irritant is typically ingested into the mollusk when the shell is open for feeding or respiration. In cultured pearls the irritant is placed into the shell by man.

The source of the name pearl is uncertain. Walter Schumann, author of *Gemstones of the World* says, it “ may be from a type of shell (Latin – perna) or from its spherical shape (Latin – sphaerula)”.

The following reference materials were used in preparing this article

Gemstones of the World by Walter Schumann.

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

Pearl from Wikipedia at <http://en.wikipedia.org/wiki/Pearl>

Editors Notes
By Shannon Byrd

Join us on May 4 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 pearls, bring in samples if you have them.

Please send your favorite recipes to Pegatha at 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

DRILLING SMALL ITEMS

Small pieces need to be held securely while drilling to prevent them from spinning if the drill catches. Having sliced my fingers occasionally in my younger days, I avoid band-aids now by using flat-jaw pliers or a ring clamp. Pliers also save you if the piece gets hot. Put a little tape over the jaws of the pliers if needed to avoid scratches.



1 Picture attached

DRILLING A STONE

One of the things my students often ask to do is drill a hole through a piece of gemstone. The usual thought is to get a diamond drill, but I've been disappointed with them. I think the reason is that the tip of the drill is just pivoting in the hole and does not cut well. When it looks like the drill isn't cutting, the tendency is to push with more force. The drill gets hot, and the diamond grit falls off.

A much better approach is to use a core drill. This is a small hollow tube with a coating of diamond grit at the business end. The diamonds easily carve out a circular arc without undue pressure or heat buildup.

Core drills are readily available from lapidary and jewelry supply companies. They come in sizes as small as 1mm and are very reasonable in price. For instance, a 2mm diameter drill is about \$6.



Chuck up the core drill in a drill press, Dremel or Foredom and be sure to keep the drilling zone wet to cool the tool and to flush out debris. Also, if you're drilling a through hole, go very easy on the pressure as the drill is about to cut through. Otherwise you will usually chip off some of the stone surface around the hole.

April Meeting– April 6, 2016

The meeting was called to order by President Don McLamb. He led us in the Pledge of Allegiance.

He welcomed one and all. He thanked all that brought in refreshments. The March minutes were accepted and Liz Ritter gave the Treasurer's report.

Vice President Nancy Starke asked if there is anyone interested in giving a presentation at the club meetings, please get in touch with her.

Alfred Lightsey filled in for Kathy Burnette this month as Membership coordinator.

Kitty McLamb asked if anyone knows of life events of any of our members, please let her know and she will correspond on the club behalf.

Mark Jackson gave the educational report. The book was present for class signups. Classes are being taught by our member volunteers. Thanks to them we get to learn and expand our lapidary artwork!!!

Shannon Byrd gave a Moonstone update. She asked if any members have photos from recent classes taken please share with her so she can put them in the Moonstone.

Dave Jacobson presented Mineral of the Month, Fluorite. It is a beautiful, colorful mineral.

Dave presented Show and Tell. Bill Harr showed us a specimen he had found recently at his local dog park that after investigation he discovered that it had meteor properties of the meteor that had collided with earth on the Yucatan Peninsula that wiped out the dinosaurs. WOW !! He also told of his mold making adventure in duplicating a chalice. Dave Jacobson showed us his latest adventure with sea glass. A Fluorite bracelet was shared. Lesley Wayment brought in examples of Fluorite, to include a pendant and a massage wand which promotes mental clarity. Susan Lord brought in some Fluorite examples. Luann Grosdidier brought in some enameling pieces made from Kathy Ero's class. Judy Rutstein brought her beaded faced doll wind catcher. They are unique and are stories within themselves. Christine Schuler brought in some Kumehimo recently made in Haydee Hernandez workshop. Shannon Byrd brought in pendants made in Moss Agate, Opals and Malachite which she cabochoned and wire wrapped. Elaine Chambers showed her creations from Don McLamb's Opal class. Thanks one and all for sharing!!!!

Don McLamb gave an update on the Parade of Gems show taking place in November. He is steadily working hard on vender signups. He suggested we could have displays set up that are educational, such as the Vero Man dig. He's always looking for volunteers to help in any way they can to make this an awesome show. The dates are November 12 and 13!

The SFMS scholarship raffle winners of the night were Susan Lord who picked up a Chicken Jasper slab, Linda Clark who chose a Picture Jasper slab, Bea Deitz chose a Kumehimo necklace and Carol Wilson who scored a wire wrapped pendant!

After a refreshment, social break we enjoyed Carol Wilson's creative presentation on embossing metal with various impression tools such as Oyumaru, a silicon molding material, and the Sizzix and Vintaj machines that also emboss paper. Thanks Carol!!!

See you on May 4, Rock on!!! Respectfully yours, Denise Jackson, secretary

Upcoming Gem and Mineral Shows

April 30—May 1 Miami, Florida

Miami Mineralogical and Lapidary Guild

The Miami Mineralogical and Lapidary Guild (MMLG) is holding a Gem, Jewelry, Mineral, and Fossil. There will be exhibits, displays, demonstrations, raffles, and vendors showcasing mineral & fossil specimens, gemstones, fine jewelry, and artisan-crafted collectibles. Children's activities include jewelry-making sessions, surprise grab-bags, gem prospecting, and geode splitting. ;

Evelyn Greer Park; 8200 SW 124 Street; Miami, Florida www.miamigemandmineral.com

Sat. 10-5, Sun. 10-5; Adults \$4, Free Admission for children under 12;

21-22—TAMPA, FLORIDA:

Annual show; Intergalactic Bead Show

Do you love great quality and prices? Then shop The Intergalactic Bead Show! Our shows provide attendees with the world's finest and rarest beads, precious stones, gems, freshwater pearls and an exquisite collection of finished jewelry. Shop quality.

FL State Fairgrounds ; 4800 US - 301 ; Sat. 10-5, Sun. 10-5; Admission \$4-\$5;

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.

This month we have pictures from Kathy Eros' enamel classes



If you have class pictures email them to me at Shannon787@gmail.com and I will put them in the news-



letter.



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

Canaveral Mineral and Gem Society, Inc.

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Bulletin Editor

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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

Club contacts

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