

Canaveral Moonstone



Presidents Corner



Be thankful that so far this year, Florida has not suffered the hurricane challenges that have caused so much devastation the Carolinas!

Sue Diebel and Sara Denaburg have made good progress reorganizing our CMGS library. With concurrence from our Board of Directors, they have retained only one copy of (duplicate) books and only the magazines dated within the last 5 years. The items not being retained will be available to our membership via a "Silent Auction" at our October meeting. Any that are not acquired by our members will be available for our Parade of Gems silent auction.



Remember to bring any items you have for the Parade of gems Silent auction.

At our October meeting, in lieu of a program, we will again ask members to remain after the break to stamp and address 988 cards that we will send to encourage attendance at our November Parade of Gems show.

We will again gather for our Christmas, Chanukah, Holiday party at the Front Street Civic Center on Thursday, December 13, 2018. I am searching for someone that will accept the **challenging leader/organizer** position. It involves:

1. Plan and acquire table decorations. CMGS will reimburse you.
2. Pick-up from Henegar our supply of cups, plates, eating utensils, and plastic table cover rolls and transfer to the Civic Center. (We have access from 9:00am)
3. Decorate tables
4. Organize pot luck items delivered.
5. Many of our members will remain to aid in clean-up of the Civic Center and help load serving items into a vehicle for return to our Henegar Shops.



I have submitted our CMGS vote of support for our next Florida State Director, Ms. Rosemary van Wandelen. She is currently VP of Gem and Mineral Club of DeLand and VP of Tamoka Faceters Club and President of Deltona Wood Carvers; plus many other commitments including Registrar and Director at William Holland and Wild Acres.

Don

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, 2018

The URL for CMGS web site is: <http://www.canaveral-mgs.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.

OUR WEBSITE & SOCIAL MEDIA: <http://www.canaveral-mgs.com>

By Sharon Jones

In case you haven't already figured this out.....YOU HAVE TO GO TO THE WEB FOR EVERYTHING!!!

If you haven't checked out our site, do...there's lots of benefit there for members & you can direct people to it who are interested in our club. There's general info, info about our classes, a map to the Henagar Center, our newsletters, & info about our November show. (Its also mobile-friendly.)

For club members, the best info is at the **Member's Only** section. This area is just for the use & only accessible by/for our paid members. **ONLY** paid members can see anything in this area once you've logged in.* You'll be familiar with this login setup, it functions just like most websites you already use a login with!

Some of the things you can find on the Member's Only portion

1. Members phone listing
2. Shop hours, fees & contacts
3. Tips, Tricks, Hints
4. Suggested web sites useful to all aspects of our hobby/Links to great tutorials
5. **Items for Sale:** You can post items you have for sale pertaining to this hobby. Please make sure to comment on your post when its **sold** though! **Please Note:** This area is **ONLY** for items for sale which pertain to the lapidary/jewelry-making hobby...nothing else please. This isn't an area to promote your business.

***Login Process:** click on Members Site, in the ID enter the email address you receive club emails at. Create a password...anything you chose (if you've previously signed in but forgot your password, there's a link at the bottom to click & you'll be sent an email with a password reset link ...check your Spam folder if you don't see an email within one minute). If for some reason you still have a problem, click thöe Contact link & explain your issue & we'll get the notification & try to help. (Use that link to tell us of any corrections/suggestions for our site too please.)8

The Member's Only section is actually a blog & can be very useful if you post info/tips/website you've found helpful.

HOW TO POST - to post a comment for all areas of the Member's Only Site,

1. Check out the links on the right hand sidebar. These are the current categories for postings. Click the link that most closely fits the information you wish to post...if nothing fits, click "all" and post your comment there.
2. You'll see "comment" in the upper right corner (near the picture). Click that and a screen will open asking you to fill in some information. This is where you'll type the information you wish to post.
3. Remember, if you don't like what you've said, you can always delete the post. If in doubt, click Contact (on the menu bar) & explain the issue you're having & we can fix it for you.

Did you know the club had a Facebook Site? <http://Facebook.com/canaveralmgs>. You can share info there also.

October 2018

Sun Mon Tue Wed Thu Fri Sat

	1 Open Shop 6 pm—9 pm	2	3 Monthly meeting 7PM	4	5	6 Open Shop 9 am-12
7	8 Open Shop 6 pm—9 pm	9	10	11	12	13 Open Shop 9 am-12
14	15 Open Shop 6 pm—9	16	17	18	19	20 Open Shop 9 am-12
21	22 Open Shop 6 pm—9	23	24	25	26	27 Open Shop 9 am-12
28	29 Open Shop 6 pm—9	30	31			

* Beading Classes are currently being held at Haydee’s house while she recovers from knee surgery.

Website quiz

By Sharon Jones

Correctly answer the questions below to win a raffle ticket to the raffle at our November meeting.

Q1: name 4 jewelry-related Facebook Groups listed on the Members Only portion of Canaveral-mgs.com web-site.

Q2: what unusual item makes a good bezel pusher

Tip for you’re Flex Shaft (link is also on Members Only part of our site)

FLEX SHAFT...great tips I wish I'd known years ago about how to brace your hand/fingers to be able to control the handpiece when using burs/drills, etc in a flexshaft at

<https://www.youtube.com/watch?v=77XliTOj1T8>

September Business Report-September 5, 2018

The meeting was called to order by President Don McLamb. The club welcomed Francis Rossen.

The CMGS Parade of Gems is November 10th and 11th. Don asked that members bring a dish to share and attend the Friday dinner on November 9th. The club will provide chicken for the dealers and club members. The club will also provide breakfast for the dealers on Saturday and Sunday.

Please sign up to volunteer for the Gem Show. The sign up sheets were out at the meeting and will also be out next month.

Our club's rock display will be at the Melbourne Beach Library for a few more days. Please go visit the CMGS display.

Don has coupons for Montgomery, Alabama Gem show Nov 30 to December 1. If you're interested, please see him.

Vice President, Nancy Stark, is asking for members to sign up to assist in the after the break presentations. So far, Nancy hasn't received any volunteers for presentations. She will have pearl presentations- her presentations can go on for a year. Please let her know if you have any interesting presentations that you can share.

Treasurer's Report - Liz noted that we did have a slight increase in rent at the Henegar Center. The current checkbook balance is \$13,246.63.

Kathy said membership is 150. Let Kathy know if you need another badge.

Dave Wayment said that Wildacres will be having classes September 17-23rd. If you're interested, he thinks they still have openings.

Also, if you're interested in entering the competition for the Parade of Gems – please let him know. The Gems will be judged the week before the Parade of Gems.

Dave Jacobson gave a very informative presentation on Mica. There is also a pink to pale violet variety of mica.

Lynn McKinney and his wife attended different rock shows in North Carolina including GLW shows. He said there were great prices and lots of different rocks. He said many of the shows had wholesale pricing but no one asked to see his license. He brought back samples of Blue Appetite, Ocean Jasper (\$5 a pound), Tiger Eye, Tourmaline, Fossil Bamboo from Java, a lab grown Geode, Himalayan Salt Lamps (\$7), Rough Fluorite, Petrified Cypress from New Jersey and many other rocks.

Bob and Sara Denaburg and Art DeLaurentis shared beautiful jewelry that they made at Wild Acres. They had a great time, learned a lot and loved the food.

Nancy Stark and Haydee Hernandez shared beautiful, unique necklaces that they made. It was great to see all of the hand made incredible jewelry.

After the break, Nancy Stark gave a very interesting presentation about pearls and showed us pearl jewelry samples that she has collected and made.

Secretary,
Mary Kinberg

Mineral of the Month - Pyrite

By Dave Jacobson

This month we will take brief look at pyrite, iron sulfide, 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>).



Bench Tips by Brad Smith

Discover and Master New Jewelry Skills with Brad's Books <http://amazon.com/author/bradfordsmith>

SILVER SOLDER FROM SCRAP

Sometimes you need a lot of silver solder to complete a piece the way you want it to be. For me it was when I was trying to join several castings. But silver solder is expensive, so I found a way to make my own from scrap with a little help from a penny.

First step is finding out what's in a solder. A search through the reference books (Tim McCreight or Erhard Brepohl) or a Google search will turn up recipes like:

- * Hard - AG 80% CU 13% ZN 7%
- * Medium - AG 70% CU 20% ZN 5%
- * Easy - AG 63% CU 30% ZN 7%

The silver (AG) and the copper (CU) are easy to come by, but finding some zinc (ZN) has always been my problem until I found out that our pennies are almost all zinc. According to Wikipedia a US penny minted after 1982 weighs 2.5 grams and is 97.5% ZN and 2.5% CU. So all I had to do is add a penny to some copper and a pile of silver scrap.

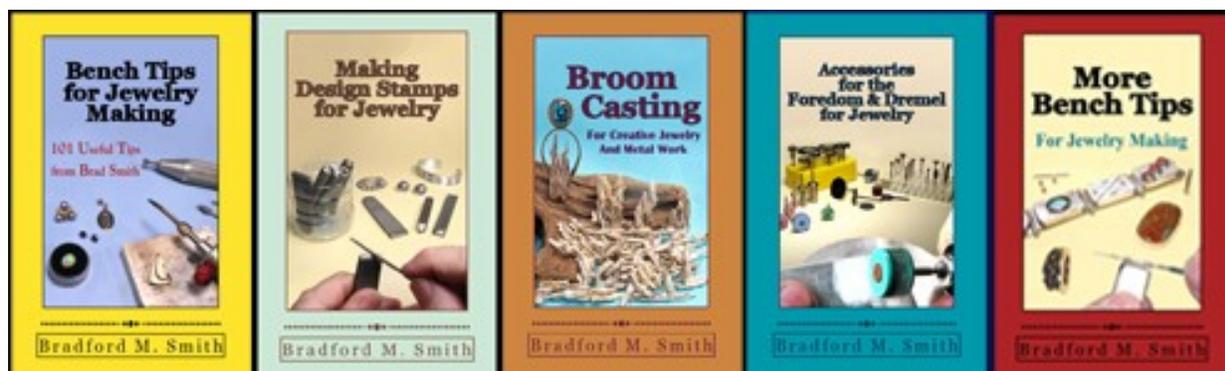
I chose to use Sterling scrap so I adjusted for the amount of copper in it as well as the amount of copper from the penny. Here's what I used for components of Medium solder:

- * Sterling - 36.90 grams
- * Copper - 9.35
- * Penny - 2.50

Melt the silver and copper first in a melting dish, mix well with a carbon rod or titanium solder pick, add the zinc (penny) last, mix again, and pour into a small mold. The zinc is added last because melting it causes some to vaporize, and the fumes are a safety problem (They're a gray-green color). Be sure to have good ventilation.

To check the solder's melting temperature is correct (medium), I put a sample of the homemade solder on a piece of copper sheet along with a known sample of hard, medium and easy solders. I then heated the plate from the bottom and watched as the easy first melted, the medium melted, the homemade melted, and finally the hard.

Additional notes on converting the ingot to sheet, strip or wire form - If you have access to a rolling mill, that will be the fastest way to proceed. Either roll out the ingot into a sheet and cut strips or roll it out as wire if your mill has the grooves. If you don't have a mill, all you have to do is forge out the ingot into a rough sheet of the gauge you'd like and then cut thin strips with bench shears. Be sure to anneal the sheet every so often as you forge it.



Upcoming Gem and Mineral shows

- 10/5/18—10/7/18 Central Florida Mineral & Gem Society Fall Gem, Mineral & Bead Show
Orlando, FL National Guard Amory
- 10/19/18—10/22/18 JIS October
Miami Beach Convention Center
- 11/2/18—11/04/18 Jacksonville Christmas Bead & Jewelry Show
Morocco Shine Center
- 11/3/18-11/4/18 Florida Fossil Hunters Fossil Fair
Central Florida Fairgrounds
- 11/10/18-11/11/18 Canaveral Mineral & Gem Society Show & Sale
Melbourne Auditorium,
- 11/30/18-12/2/18 48th Annual Montgomery Gem, Mineral, & Jewelry Show
Garret Coliseum
- 1/11/19– 11/13/19 Pinellas Geological Society, Inc 43 Annual Gem, Mineral and Jewelry
Show and Sale

105 Central Park Drive, Central Park Performing Arts Center

If you know of a show that is not on this list, please send me the information at shannonb787@gmail.com.

SHOP INFO-Help the volunteers & yourself.

Ever go into the shop & we were out of some supplies or a piece of equipment didn't work? We have volunteers who take care of this, but if they don't know, they can't help.

There is a form in all the rooms to let them know about these issues. Fill it out & they'll deal with it add soon as possible.

2018 CMGS Single Faceted Stone Competition — Easy Square Emerald designed by Ernie Hawes, published in Lapidary Journal, May 2002 For competition please cut an 8mm stone of any material.

Angles for R.I. = 1.54

P/W = 0.532

41 facets + 8 facets on girdle = 49

C/W = 0.141

4-fold, mirror-image symmetry

H/W = (P+C)/W+0.02 = 0.693

96 index

P/H = 0.768 C/H = 0.203

L/W = 1.00

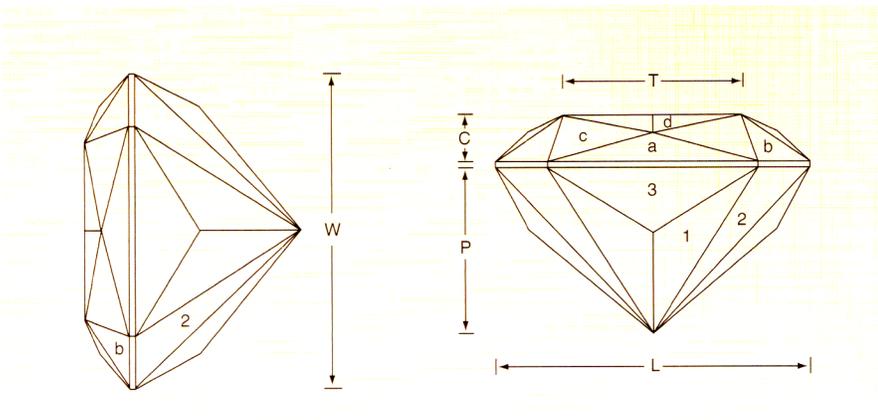
Vol/W³ = 0.299

T/W = 0.597

Brightness: COS = 79.6%

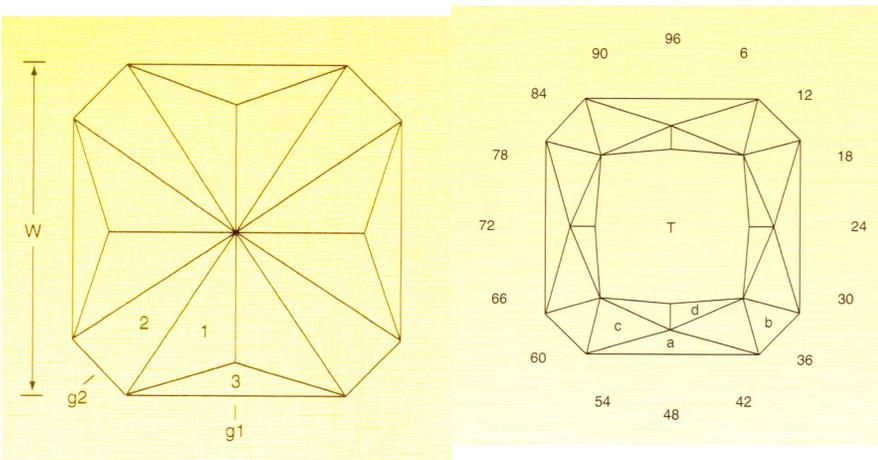
T/L = 0.597

ISO = 85.3%



Pavilion

	Angle	Index	
g1	90.00	96-24-48-72	Cut to desired size
1	42.00	06-18-30-42-54-66-78-90	Cut to Centerpoint
2	42.00	12-36-60-84	Cut to Centerpoint same height as step 1
3	62.00	96-24-48-72	Meet 1 and 2 at girdle
g2	90.00	12-36-60-84	Meet at juncture 1/2/3/g1.



Crown

	Angle	Index	
a	41.60	96-24-48-72	Set girdle thickness
b	35.80	12-36-60-84	Cut to level girdle line.
c	32.00	02-22-26-46-50-70-74-94	Meet a and b at girdle.
d	26.80	01-23-25-47-49-71-73-95	Meet at juncture c/a.
T	00.00	Table	Meet at juncture b/d.

018 CM&GS Single piece competitions

Jewelry and Metalcraft—A pendant with 2 stones, faceted or cabochon, stones in any shape. One stone should have the largest dimension 10mm or less and the other stone should have the smallest dimension 10mm or larger. Can contain any material for the stone and be of any metal. May not use a commercial or purchased wax for casting. Must be original work.

Cabochon— Beginners, a calibrated 23 x 18 mm drop from any agate or jasper.

Intermediate or Advanced, a 16 x 16 mm square, with sharp corners.

Both shapes are on the gold color template.

Seed Beading—A bracelet utilizing a combination of any 2 stitches and any 2 sizes of seed beads. Please follow all AFMS rules for labeling the materials and design used.

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) 749-7675

Secretary: Mary Kinberg, 245 Hedgecock Ct, Satellite Beach, FL, , (321) 223-4260

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

Bulletin Editor

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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