

Canaveral Moonstone



Presidents Corner



October is my favorite time of the year, not too hot not too cold, however I'm always so envious of our northern neighbors with their beautiful colors of foliage. October also brings the competition at our annual Parade of Gems and I hope that all of you have been busy at work creating a competition piece. (Competition pieces are due to Sharon Jones no later than October 23rd @ Noon.) I enjoy the competition and receiving the written report from our in house AFMS judges which guides me in improving my skills. Additionally, I also greatly enjoy competing for our grand prize selection amongst members. In case you can't tell I thrive on competition! The submission for grand prize selection amongst members will be due at our November meeting. I am truly looking forward to seeing everybody's masterpieces!



Preparations and organization for the Parade of Gems is now well underway, I think we have a very strong body of volunteers, and this promises to be a very successful show for our 48th annual presence!

Included in this month's bulletin you will find a slate of new Officers and Board of Directors for 2022. As per our constitution this will be voted on in our November meeting. Please plan to attend to cast your vote of approval.

I am grateful to Nancy Stark who will be conducting this month's meeting in my absence. And I look forward to seeing everyone at our open workshop or our November meeting.



Melissa Horan
CMGS President 2021

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, 2021.

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 Melbourne Front Street Civic Center. Meetings start at 7:00 p.m. Visitors are always welcome! Dues are \$30.00 per year. Junior Member dues are \$2.00 per year. Club shop is now located at 255 East Drive, Suite K, Melbourne, FL.

October 2021

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2 <i>Open Shop</i> 8:30—12:30pm
3	4 <i>Open Shop</i> 5:30—9:30pm	5	6 <i>Open Shop</i> 11am-3pm <i>Meeting at Front Street 7PM</i>	7 <i>Open Shop</i> 5:30—9:30pm	8	9 <i>Open Shop</i> 8:30—12:30pm
10	11 <i>Open Shop</i> 5:30—9:30pm	12	13 <i>Open Shop</i> 11am-3pm	14 <i>Open Shop</i> 5:30—9:30pm	15	16 <i>Open Shop</i> 8:30—12:30pm
17	18 <i>Open Shop</i> 5:30—9:30pm	19	20 <i>Open Shop</i> 11am-3pm	21 <i>Open Shop</i> 5:30—9:30pm	22	23 <i>Open Shop</i> 8:30—12:30pm
24	25 <i>Open Shop</i> 5:30—9:30pm	26	27 <i>Open Shop</i> 11am-3pm	28 <i>Open Shop</i> 5:30—9:30p	29	30 <i>Open Shop</i> 8:30—12:30pm
31						

Meeting are being held at the Front Street Civic Center

Presentation at our October meeting

Debbie Jorgenson will present “How to Take Good Quality Photographs of Jewelry “
at the October meeting.



This one has a very interesting story, my coworkers family homesteaded about 10,000 acres in Wyoming, along their property you can find rose quartz , she asked me to make a ring in memory of her grandmother and I surprised her with this pendant as well.

Melissa Horan

Canaveral Mineral and Gem Society September 1, 2021 Meeting Minutes

President Melissa Horan opened the meeting Wednesday, September 1st at 7:05 pm at The Melbourne Auditorium, 625 E Hibiscus Blvd., Melbourne, FL 32901.

She announced that Debbie Jorgenson will give a presentation on “How to Take Good Quality Photographs of Jewelry” at our October meeting. Melissa also announced that Mary Jo Theobald, who currently holds the position with the SFMS as Florida Assistant State Director is running for Florida State Director. Our membership voted and Mary Jo Theobald was unanimously approved for Florida State Director. Melissa reminded everyone if you are not receiving the Moonstone, please contact Shannon Byrd.

Parade of Gems Chairman, Dave Wayment, is working on getting contracts signed with vendors. Right now more than half of the vendors for the POG are signed up. He has also been working on getting chair- people for the different areas. Next month, Dave will bring the sign up sheets to the meeting. Please sign up to help as much as possible.

Our club has hosted a dealer dinner on Friday night before the POG for many years. However, last year because of Covid, we decided not to host the Dealer’s Dinner. After discussion, a vote was taken and it was decided to cancel the Dealer’s Dinner again because of Covid. Unfortunately, we will not be able to sponsor breakfast for the dealers because of new rules promoting the concession stand at the Auditorium.

Vice President, Nancy Stark – No report this month.

Secretary, Mary Kinberg – Melissa asked if there were any corrections or additions to the August minutes. Since there were no changes to the minutes, they were accepted as printed in the Moonstone.

Treasurer, Liz Ritter – Liz reminded everyone that need to turn in a receipt if they would like to be reimbursed for any expenses. She also went over some of the bills that were paid and deposits that were received. Liz reminded us that we will have lots of bills coming up for POG.

Membership, Kathie Burnette - said we are up to 125 members. Kathie also said our member, John Servos is not doing well. Please keep him in your prayers. Kathie also mentioned if you don’t have a badge, you will want to get one before the POG. Please let her know ASAP if you need a new badge.

Education Chairman, Dave Wayment – Jim and Jannine Ragan were winners of our club’s scholarship to Wild Acres. Jim and Jannine told about the fun they had and how much they enjoyed casting with our own local teacher, Bill Haar. They worked very hard and made lots of beautiful silver pieces. Great job, Jannine, Jim and Bill!!

Dave also spoke about local gem shows that are happening around Florida and the benefit to attending them, especially the SFMS Rockhound Roundup in Live Oak, February, 18- 20.

Dave Jacobson spoke on the mineral of the month, Diamonds. Graphite is the softest mineral and diamond is the hardest mineral on the Moh’s scale, with a reading of 10. The difference between graphite and diamonds is the spacing of atoms.

Show and Tell: Janine and Jim displayed a huge tray each of beautiful silver castings. Bill Haar showed pictures of casting that his students did and also showed a silver alligator that he bought at the auction at Wild Acres. Art DeLaurentis, with the help of Sharon Jones made four different beautiful flame painted earrings and a flame painted pendant. He also made an exquisite chainmail bracelet and necklace. Scott Bellinger brought in diamond samples he found. We were also lucky to have Henry Herbert show his unique fossil collection. Thank you everyone for the fantastic Show and Tell items!! Love them!!

Secretary, Mary Kinberg



Jim and Jannine

Casting items made at Wildacres.

Show and Tell

Art DeLaurentis, Flame Painting
and Chainmaille (1)



Scott Bellinger's sample diamonds

Florida Fossil Hunters Fair - 10/16/2021

Start Date: 10/16/2021

End Date: 10/17/2021

Hours: Sat 9:00-5:00 Sun 10:00-4:00

Venue: Sanford Civic Center

Address: 401 E Seminole Blvd

Sanford Civic Center

Sandord, FL 32771

Website: <http://www.floridafossilhunters.com/>**St Lucie County Rock & Gem Show - 10/30/2021**

Start Date: 10/30/2021

End Date: 10/31/2021

Hours: Sat 9:00-5:00 Sun 10:00-4:00

Venue: Mid Florida Event Center

Address: 9221 SE Civic Center Place

Mid Florida Event Center

Port St Lucie, FL 34952

Website: <http://www.slrockandgem.org/>**Tampa Bay Mineral & Science Club Show - 11/06/2021**

Start Date: 11/06/2021

End Date: 11/07/2021

Hours: 10:00 - 5:00

Address: 302 S Maryland Ave

Plant City, FL 33563

Website: <https://tampabayrockclub.org/>

Types: Rock & Mineral Shows

Parade of Gems**Jewelry & Gem Christmas Gift Show - 11/13/2021**

Start Date: 11/13/2021

End Date: 11/14/2021

Hours: 10:00 - 5:00

Venue: Melbourne Auditorium

Address: 625 E Hibiscus Blvd

Melbourne, FL – Website: <http://www.canaveral-mgs.com/>**Gem & Mineral Show - 11/20/2021**

Start Date: 11/20/2021

End Date: 11/21/2021

Hours: 9:00 - 5:00

Venue: South Florida Fairgrounds

Address: 9067 Southern Blvd

South Florida Fairgrounds

West Palm Beach, FL 33411

Website: <https://www.gmspb.org/>

Upcoming Mineral and Gem Shows 2021

Message from our Webbie Sharon Jones



Parade of Gems
Saturday & Sunday, Nov. 13-14, 2021
10am - 5pm each day
COUPON \$1 off Entrance
★ Bring the Kids for fun with rocks! ★
★ Shop for Christmas
★ Custom Jewelry ★ Fossil Jewelry-Making Supplies
Door Prizes Silent Auctions Demonstrations

<https://fb.me/e/1zDCS1QzX> is the link to our annual Show. If you use Facebook, please go to this link and "Invite Friends" AND "Share" the Event on your Facebook page." Even if you don't use Facebook, you can invite friends to this show by sending this link to them. Our Show "Event" is a "Public" post on Facebook so anyone, with or without a Facebook account can go to it and get all the info (and the coupon for a \$1 off admission). PLEASE HELP US PUBLICIZE the show, the more we can do this ourselves, the less we have to spend on advertising, thus the club keeps the money!!!

Another way you can publicize the show is by sharing the link to our website at <https://www.canaveral-mgs.com/our-show.html>. There's a link to a coupon and you can sign up to be a vendor there too.

HOW TO BECOME COOL (at least to one person)!

More than ever before, we need EVERY MEMBER to be cool!



There are so many ways we need EVERY member to help with our show this year, even if you can only do a couple of hours that weekend.

Note, you won't be left by yourself helping with any of these areas, but it takes several people to make a show run smoothly.

Log in to the Members section of the website with the email address you gave the club when you joined. There you'll find a form to volunteer to help at the show. PLEASE look over the various areas, and you'll find the phone number of the people who are in charge of the various areas. If you have questions, call them! Then fill out the form and check the area(s) and time(s) you can help.

HERE ARE SOME AREAS WE NEED MEMBERS TO HELP WITH:

- Front Door, Entrance/Admission - helping take tickets and helping people know where to go
- Bea's Kidz Dig - helping kids (who's parents stay with them) have a good time finding rocks
- Silent Auction - helping put things out that will be auctioned off
- Demonstration - cabbing, wire wrapping, texturing metal, beading, any area you can demonstrate something you'd do in the club
- Gift Prize Drawings - helping give out prizes
- Membership Table - talking to people who are interested in our club
- Setup & Teardown - helping the show chairman get vendors to their tables etc Friday afternoon, Sunday evening helping vendors tear-down etc.

Come out and support our wonderful vendors.

Bench Tips by Brad Smith

Work Smarter & Be More Productive With Brad's "How To" Jewelry Books

[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

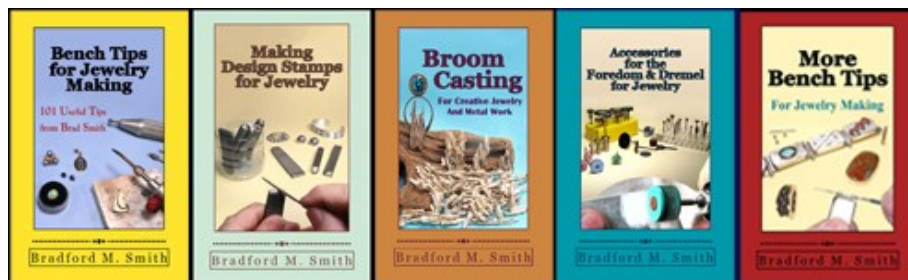
LAYOUT TOOLS

Dimensions on some features of a design can be fluid while others must be accurate for the design to work. When precision on a piece is important, good layout techniques are essential.

These are the tools that I rely upon to get holes in the right place, to achieve correct angles, and to cut pieces the correct length.

I like crisp sharp lines to follow, so I often coat surfaces with a dark marker and scribe my layout lines onto the metal. A square makes quick work of checking right angles or marking where to cut, and the thin center punch helps me mark a place to drill holes exactly where I want them.

Finally, a good set of dividers is probably my favorite layout tool. They let me quickly mark a strip for cutting, swing an arc, and divide a line or curve into as many equal segments as I need. I keep at least one set of dividers in every toolbox.



Solve Your Jewelry Making Problems With

Brad's "How To" Books

www.amazon.com/author/bradfordsmith

Mineral Of The Month – Amber

By Dave Jacobson

This month we will look at amber, fossilized tree sap, succinic acid, with the approximate chemistry $C_{10}H_{16}O$. Amber is in the Mineraloids Class. It does not have the necessary crystalline structure to be classified as a mineral. Amber has been used since prehistoric times for making jewelry. Some specimens contain fossilized insects or plant material which were trapped in the amber when the sap was still in its resinous state. Notable finds of amber have occurred in all the Baltic countries, Venezuela, Russia, Rumania, Burma and the Dominican Republic. The primary use of amber is in the making of jewelry and as a specimen in mineral or fossil collection. Specimens containing rare fossilized material are highly prized. The color of amber can run from light yellow to brown, red, nearly colorless, milky white, blue, black and greenish. Hardness is 2 to 2.5. Specific gravity is typically 1.1 with a maximum gravity of 1.3. It is very light and can float in salt water. Streak is white. It has no cleavage and is brittle with a conchoidal fracture. Amber will burn. It will also fluoresce bluish-white to yellow-green. Amber will also take a charge and attract small particles when rubbed with a cloth. Amber does not belong to any crystal system since it is amorphous, which means it does not have an ordered crystal structure. I used the following reference materials in preparing this article. Simon & Schusters Guide to Rocks And Minerals. Gemstones of The World by Walter Schumann. Amethyst Galleries Mineral Gallery on the internet (URL is www.galleries.com). If you have internet access and are interested in minerals I suggest you check out this site. Another very good internet site is Bob's Rock Shop at <http://www.rockhounds.com>. This site covers all aspects of the hobby from rocks and minerals to faceting diagrams and much more. I don't have any amber in my collection.



The publication for the new slate of Officers and Directors for the Canaveral Mineral and Gem Society for the 2022 election are as follows:

President – Melissa Horan

Vice President – Lynn McKinley

Secretary – Mary Kinberg

Treasurer – Liz Ritter

Bulletin Editor – Shannon Byrd

Membership Chairman – Kathie Burnette

Education Chairman – Dave Wayment

Corresponding Secretary – Open

Board of Directors 3 yr. - Jim Ragan

Board of Directors 2 yr. – Keith Stokes

Board of Directors 1 yr – Dave Jacobson



The First pic is Wheeler.
The second pic is Tubbs
They are Melissa Horan's furry friends.
Send me your furry friends picture and they can be in the Moonstone too!



POG SHOW COMPETITION

Want to buy things at our Show, November 13-14? Me too! Here's a way to get free bucks to spend!! ENTER THE COMPETITION.

For years, I thought I wasn't good enough. But you may be the only one who enters a particular category, greatly increasing your odds to win POG BUCKS!

We have two types of competitions:

- **Club Favorite/Parade of Gem's Grand Price** - Bring any type of jewelry you've created to be displayed at the November meeting. Member's will "vote" on the piece they like the most. The piece that gets the most votes becomes the Grand Prize for the Parade of Gems. Competition pieces will be numbered and members will place the number of the piece they like best in a bag, whichever piece gets the most votes wins. (Note, you will be reimbursed for the cost of your materials, up to \$75 if your piece is the winner. The winner will be identified at the meeting.
- **Judged Competition** - Judging will be done by Dave and Leslie Wayment following the AFMS Uniformed Rules. No matter your skill level, be gutsy and join the competition. You're competing against the American Federation of Mineralogical Society guidelines, not one another. We will display your pieces at the show (securely behind glass), which helps people see what they can learn by joining us. PLEASE JOIN THE FUN! And you'll get POG Bucks to be spent at vendor's booths at the show. Prizes to be awarded at the show for each category, 1st Place is \$25, 2nd Place is \$15, and 3rd Place is \$10..

Announcing

CM&GS Single Piece Competition

We will again be holding a single Piece competition open to all CM&GS members. This is your chance to show off your skills. The last day to turn in a completed piece will be Saturday October 23, 2021 at noon to Sharon Jones. The pieces will be judged by David Wayment and Leslie Wayment, both AFMS Judges. You will receive a written report from the judges about your piece, with attention to how you may improve your skills.

You may enter one level in each division, either Beginner or Advanced. If you have previously placed first in the beginner division, you may not enter it again and must move on to the advanced division.

Sharon Jones will collect the finished pieces to deliver to the judges without identification on them. You will fill out two forms, one without your name and one with your name, so Sharon can return your piece(s) to you. The pieces will be on display during the Parade of Gems, November 13-14, 2021 in a locked case in our Member's area. Vouchers for prizes will be awarded that have to be used at any of our dealer booths before the end of the show. You can pick up your prizes from Sharon at the beginning of the show.

Both of these forms must be submitted with each item to be judged in the competition.

Name: _____

Competition: _____

Competition Level: _____

Item Description: _____

Detailed Description: _____

Date Submitted: _____

Competition: _____

Competition Level: _____

Item Description: _____

Detailed Description: _____

Date Submitted: _____

CM&GS Single Piece Competition Continued

Beginning Metalsmith

A bezel set ring with a 10x14mm stone. The stone may be a commercial stone and the exhibitor does not have to cut the stone. It should be constructed of Sterling Silver and may contain other metals for accents.

Advanced metalsmith

Construct a signet ring containing a square or rectangular top with a stone, metal relief or engraving. It should be constructed of Sterling Silver and may contain other metals for accents.

Beginning Cabochon

An 18x13 oval made from a 'Picture' type Jasper. Size will be judged against a template.

Advanced Cabochon

An unmounted, wearable, pendant size sail shaped cabochon made from Agate. See attached template examples for examples of sail shape. No exact dimensions required.

Beading

Make a necklace that incorporates Peyote stitch, either even or odd count. It must contain either 2 sizes or types of beads.

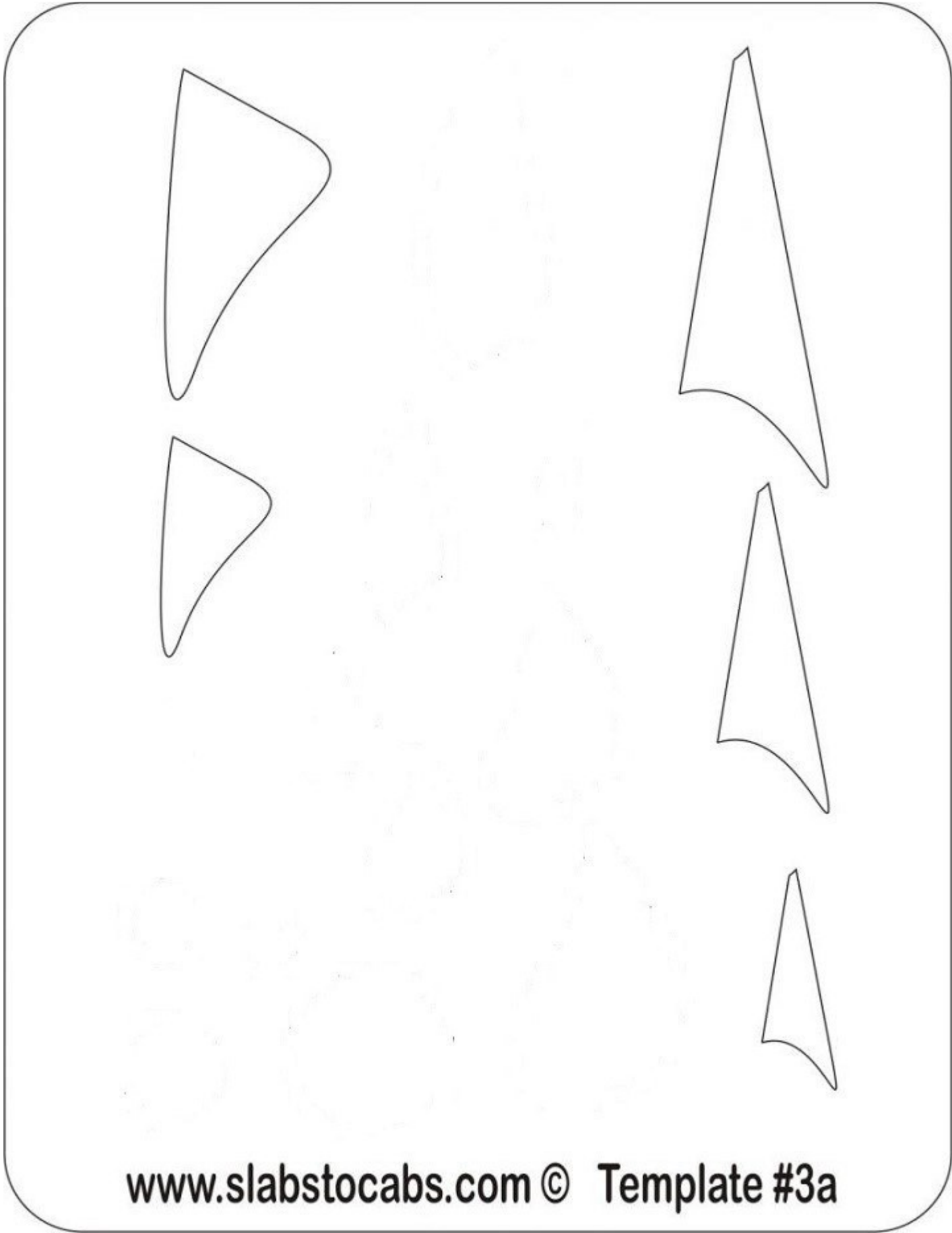
Beginning Faceting

Standard Round Brilliant with Horizontal Split Mains

This is a beginner pattern that is especially good with larger stones. Your stone must be a minimum of 8mm and not larger than 20mm. It contains 73 facets and 16 girdle facets. The pattern is provided. See Details on page 12.

Advanced Faceting

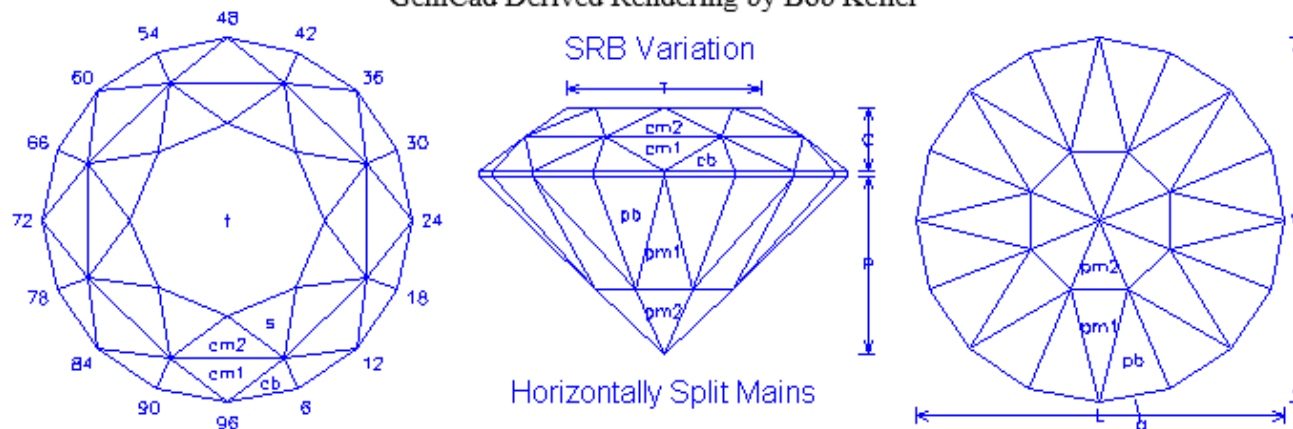
The pattern is Memory by Jeff R Graham and is provided. It is an intermediate level design. It produces an 8 sided stone. Your stone must be a minimum of 10mm and not larger than 20mm. This pattern contains 81 facets and 8 girdle facets. It is best cut using light colored stones. NOTE: Cut the intermediate facets to center point. They won't all cut to the girdle. Just at the corners, cut all the way out to the points on the girdle. See Details on page 13.



www.slabstocabs.com © Template #3a

Standard Round Brilliant with Horizontally Split Mains

GemCad Derived Rendering by Bob Keller



SRB Variation with Horizontally Split Mains

Angles for R.I. = 1.54

8-fold, mirror-image symmetry

$L/W = 1.000$ $T/W = 0.528$ $T/L = 0.528$ $P/W = H/W = (P+C)/W + 0.02 = 0.680$ $P/H = 0.487$ $C/W = 0.172$

$Vol./W^3 = 0.227$

73 facets + 16 facets on girdle = 89

96 index

Brightness at 0 degrees tilt for R.I. = 1.54

$COS = 34.7\%$ $ISO = 38.2\%$



Pavilion

pb	47.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to temporary center point
g	90.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to meet pb
pm1	45.00	96-12-24-36-48-60-72-84	Cut to meet pb,g
pm2	43.00	96-12-24-36-48-60-72-84	Cut to meet pb, pm1

Crown

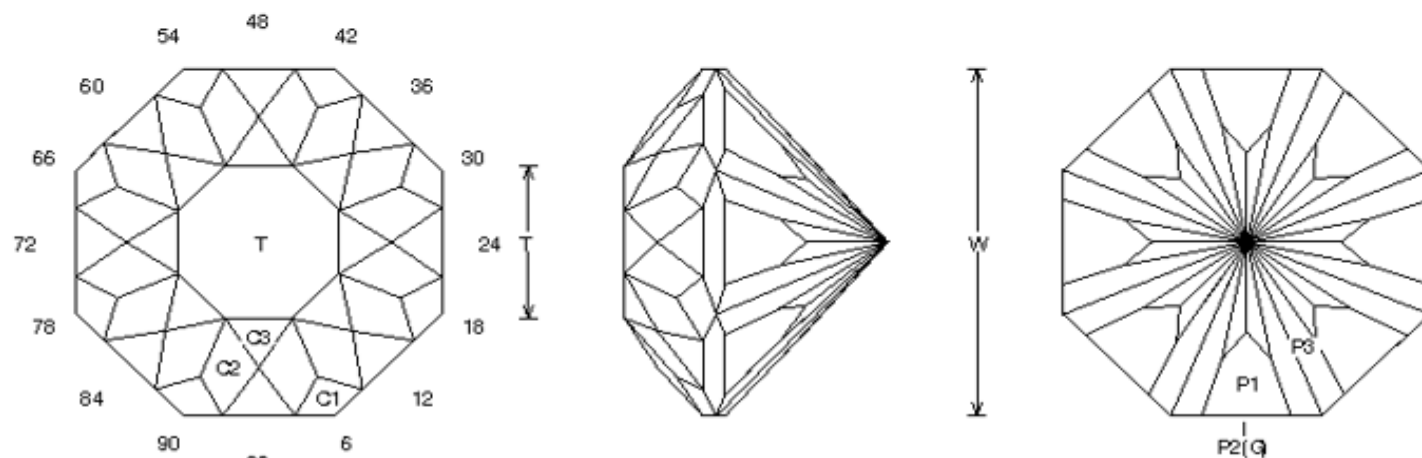
cb	47.00	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to meet g - level girdle
cm1	38.00	96-12-24-36-48-60-72-84	Cut to meet cb,g
cm2	34.00	96-12-24-36-48-60-72-84	Cut to meet cb,cm1
s	25.00	06-18-30-42-54-66-78-90	Cut to meet cb,cm1,cm2
t	0.00	Table	Cut to meet s,cm2

This variation of the SRB doubles the number of main facets from 8 to 16 by splitting them horizontally with the pairs of mains cut at the same index but different angles. The mains can be split on the pavilion only, crown only, or both. Adding more facets by splitting the mains increases the scintillation and is one way of adapting or scaling the SRB for use with larger stones.

The [SRB Variation with Horizontally Split Mains Design File](#) is available for GemCad users.

Memory by Jeff R. Graham

[Check out the "Memory" Fire House Mug](#)



Memory - designed by Jeff R. Graham jeff@faceters.com ©2003

Angles for R.I. = 1.54

8-fold, mirror-image symmetry

L/W = 1.000 T/W = 0.440 T/L = 0.440

Vol./W³ = 0.269

81 facets + 8 facets on girdle = 89

96 index

H/W = 0.720

Brightness at 0 degrees tilt for R.I. = 1.54

81.4% Light Return

Pavilion

P1	42.50	96-12-24-36-48-60-72-84	Cut to center point.
P2(G)	90.00	96-12-24-36-48-60-72-84	Cut to meet P1.
		01-05-07-11-13-17-19-23-25-29-31-35-37-41-	
P3	41.00	43-47-49-53-55-59-61-65-67-71-73-77-79-83-85-89-91-95	Cut to center point.



Crown

C1	42.00	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Cut to meet P3... See Note. Cut to meet girdle.
C2	38.00	04-08-16-20-28-32-40-44-52-56-64-68-76-80-88-92	Cut to meet girdle.
C3	32.00	96-12-24-36-48-60-72-84	Cut to meet C1.
T	0.00	Table	Cut to meet C2,C3.

Club contacts

President: Melissa Horan 1178 Firthview Dr, Melbourne, FL 32935, (321)960-4134

Vice President: Nancy Stark, 1610 Sutschek St. NE, Palm Bay, FL 32907, (321)749-7675

Secretary: Mary Kinberg, 245 Hedgecock Ct., Satellite Beach, FL 52937, (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

Membership Chairman: Kathie Burnette, 554 Veracruz Blvd, Indialantic, FL 32903, (321) 693-9719

Education Chairman: Dave Wayment, PO Box 780791, Sebastian, FL 32978, (772)532-6432

Corresponding Secretary: Lynn McKinney, 3537 Sparrow Ln, Melbourne, FL 32935, (321)427-24460

Board of Directors 3yr: Keith Stokes, 601 Georgia Ave., Melbourne, FL 32901, (321)266-8707

Board of Directors 2yr: Dave Jacobson, 672 Manor Place, West Melbourne, FL 32904, (321)676-4306

Board of Directors 1yr: Mark Heathman, 4166 Mockingbird Dr., Melbourne, FL 32934, (321)253-2856

Board of Directors (Past President) 1yr: Don Mc Lamb, 570 Seabreeze Dr, Indialantic, FL, 32903, (321) 723-2592

Librarian: Sue Diebel, 35 Sapphire St. Melbourne, FL 32904, (321)704-3198

Bulletin Editor

Shannon Byrd

2225 Ladner Rd NE

Palm Bay, FL 32907

Email: shannonb787@gmail.com

The Canaveral Mineral and Gem Society meets the First Wednesday of each month at the Front Street Civic Center, Melbourne, Florida. The time of the Meeting is 7:00PM . Visitors are always welcome.

CANAVERAL MINERAL & GEM SOCIETY
NEWSLETTER: MOONSTONE