



The Rockhound

Official Publication of the Gem & Mineral Society of the Palm Beaches, Inc.

www.gemandmineralsociety.org
January/February Volume 54 Issue 3

President's Message

If you don't already know me, I'm Arlene Lazzaro, the new President for 2021. While I had hoped that we would be in a better place by now regarding the pandemic, things are slowly coming around. Now more than ever, we need your participation and support, both financially and bodily. We have many plans for this year to try to get more members involved.

I know that many of you are skeptical about in-person meetings, so I hope you will feel safe participating in the outdoor Covid-friendly meeting we have planned for Sunday, February 21st, at the Science Museum STEM building. Please come out for the Show and Sell! If you do not want to sell, please bring something to show that you have either made or collected during the pandemic. We need to connect one way or another to keep this club going!

We currently have an online auction, which will serve as the first of many such fundraisers. I have drafted Gale Langford to be our field trip coordinator, and she has some great outings planned! Also in the works is an interactive fundraiser which we will discuss at the meeting. Please get involved and join us for as many events as you can! We will always follow recommended safety precautions so that we can all feel safe.

The November show is a go, and I hope you all can get involved! Our goal is to keep everyone interested and engaged. I am open to any suggestions and hope to get this club back to an interactive and informative gem and mineral organization.

Here's looking forward to a great year of rocks!

- Arlene Lazzaro, President

Membership Meeting

SHOW N SELL

Sunday, February 21st
3-5pm

at the Science Museum
STEM Building/Pavilion
(the old Garden Club)

4801 Dreher Trail North
West Palm Beach, FL 33405



Sellers: \$10 or an item valued at \$15.

Setup begins at 2pm.

Tailgating is permitted and tables are available. Masks are required!

Bring an item to show what you've been doing during the pandemic, such as a creation or a specimen you collected.

We'll also hold a RAFFLE!

Contact Arlene 516/810-3495 or Dianna 561/707-6753.

Online Auction

February 12-21

Our first of many online auctions. Donations of stones, slabs, tools, supplies, finished projects are needed. Bring to the Shop during regular shop hours—call the shop steward first.



<https://gmspb.betterworld.org/auctions/gem-mineral-society-palm-beaches>

In This Issue

[January Birthstone: Garnet](#)

[February Birthstone: Amethyst](#)

[Member Highlight: Alan Meltzer](#)

[Field Trip: Art, Picnic & Junk Tour](#)

[Sunshine News](#)

[Birthdays](#)

[Weird Agate Specimens](#)

[All About Hammers](#)

[Upcoming Shows](#)

[Private Sale: Lapidary Rough](#)

[Shop Talk](#)

[Available Classes](#)

[Calendars](#)

[Officers](#)

Club Organization

The Gem and Mineral Society of the Palm Beaches is part of a national hierarchy of mineralogical societies, as shown below.



The **American Federation of Mineral Societies**—amfed.org—oversees the **Regional Clubs** shown above.

Two **Regional Clubs** are our parent clubs:

- ◆ **Eastern Federation of Mineralogical Societies**—amfed.org/efmls
- ◆ **Southeast Federation of Mineralogical Societies**—amfed.org/sfms

The **Gem and Mineral Society of the Palm Beaches**—gemandmineralsociety.org—has several **Neighbor Clubs**:

- ◆ **Florida Gold Coast Gem and Mineral Society**—fgcgms.com—(Broward County)
- ◆ **St. Lucie County Rock and Gem Club**—slockandgem.org
- ◆ **Treasure Coast Rock and Gem Society**—treasurecoastrockandgem.org (Indian River County)
- ◆ **Miami Mineralogical and Lapidary Guild**—mmlg-inc.org

All of these Clubs have extensive websites with articles, information, and newsletters of interest to all rock-hounds.

February Newsletters



"The closest thing to precious stones he's ever had is kidney stones."

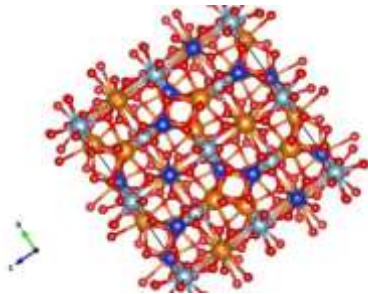
January Birthstone: Garnet

The birthstone for January is the garnet. While most people tend to think of garnets as deep red stones, garnets are found in many different colors from colorless to black.



Photo by Moha 112100 on Wikipedia
See: <https://creativecommons.org/licenses/by-sa/3.0/deed.en>

The word garnet refers to a group of minerals and not just one mineral. Naturally occurring



garnets have the general formula $X_3Y_2(SiO_4)_3$ where the X's and Y's are different metals where the X's have a +2 charge and the Y's have a +3 charge. The photo at the top is of Andradite

garnet. The drawing at left shows the crystal structure of garnet oriented so that you can see some of the crystal symmetry.

| Name | X | Y |
|-------------|----------------|---------------|
| Almandine | Fe (iron) | Al (aluminum) |
| Pyrope | Mg (magnesium) | Al (aluminum) |
| Spessartine | Mn (manganese) | Al (aluminum) |
| Andradite | Ca (calcium) | Fe (iron) |
| Grossular | Ca (calcium) | Al (aluminum) |
| Uvarovite | Ca (calcium) | Cr (chromium) |

Garnets are found all over the world. Closer to home garnets are found in the mountains of Georgia and more widely known in the mountains of North Carolina. The North Carolina garnets tend to be very deep red and are referred to as rhodolite which is a mixture of Pyrope and Almandine. The North Carolina

garnets tend to have many inclusions and low clarity but clear garnets are found. The color is caused by the iron in the almandine. If the stone were absolutely pure pyrope it would be colorless. A Google search for colorless garnet did turn up colorless garnet known as leuco garnet which is very rare and is not pyrope but instead is grossular garnet.

There are many locations in North Carolina where garnets can be found (just Google "Gem mines in North Carolina"). An interesting one is known as the Little Pine Garnet Mine. The Little Pine mine belongs to:

Sandy Bottom Trail Rides
1459 Caney Fork Road
Marshall, NC 28753

Of course this is a 10-12 hour drive depending on the route you take from here and would probably be best done as part of a more extended trip. You get to the mine either on horseback or wagon for the less adventuresome. Anything you find at the mine is yours to keep. They claim that gem quality garnets are found there.

References:

<https://help.thediamondstore.co.uk/gemguides/garnet/>
<https://www.gemselect.com/english/gem-info/garnet/garnet-info.php>
<https://www.sandybottomtrailrides.net/index.php/gem-mine>
<https://geology.com/gemstones/states/north-carolina.shtml>
<https://www.ajsgem.com/articles/rare-leuco-garnet.html>
<https://www.americangemsociety.org/page/januarybirthstone>
<https://en.wikipedia.org/wiki/Garnet>
<https://en.wikipedia.org/wiki/Rhodolite>

-Article compiled by Richard Tracey

February Birthstone: Amethyst

February's birthstone is the amethyst, a gemstone which has been known since the ancient Egyptians. The name amethyst comes from the Greek amethystos which means not intoxicated. They believed that amethyst would protect the wearer from intoxication. (I don't know if any



Courtesy: Didier Descouens

valid studies have been done to verify this phenomenon.) In ancient times only the rich and royalty had gemstones and amethyst gemstones were

often carved with a person's image. The Roman emperor Caracalla had a ring with such a stone. Amethyst was considered one of the most precious gemstones like ruby, emerald and diamond until the discovery of large deposits of amethysts in Brazil in the 19th century. Amethyst is found around the world including in the United States but the largest known deposits are in Brazil.

Amethyst is the mineral quartz. What distinguishes it from colorless quartz is the impurity iron. In Amethyst the iron replaces a silicon atom and is in the +4



Courtesy: Cabinet des Medailles

oxidation state which is an unusual oxidation state for iron. Gamma rays from natural radioactivity oxidize iron +3 to iron +4 giving the purple color to amethyst. Subsequent heating can convert the iron back to the + 3 state and the amethyst is converted to citrine. The citrine can be converted back to amethyst by gamma rays. The gemstone called ametrine is a crystal that is part amethyst and part citrine.



Courtesy: Wela49

Note: All of the pictures are from Wikipedia Commons under license: CC BY-SA 3.0

<https://creativecommons.org/licenses/by-sa/3.0>

REFERENCES:

<https://www.americangemsociety.org/page/februarybirthstone>

<https://en.wikipedia.org/wiki/Amethyst>

<https://www.gia.edu/amethyst>

<https://www.megaessays.com/viewpaper/101778.html>

<https://geology.com/minerals/quartz/ametrine.shtml>

Mat. Res. Vol.12 No.3 Sao Carlos July/ Sept. 2009 web address:

<http://dx.doi.org/10.1590/S1516-143920090003000011>

-Article compiled by Richard Tracey



Member Highlight: **Alan Meltzer**

Our spotlights this month focus on one of our most knowledgeable members, who is also an avid collector. Alan Meltzer grew up in New York, but moved here to West Palm Beach after finishing his education.

His passion for gemstones began in 2004 at a gift shop at Bryce Canyon in Utah. He was fascinated by the Arizona “rainbow wood” specimens in the gift shop, and soon wound up at the shop of the craftsman who cut and polished the petrified wood items for the gift shop. He came back home with a load of petrified wood specimens and a new hobby.

Since that fateful trip to the Bryce Canyon gift shop, Alan expanded his collection to include banded agates and dinosaur gem bone. He’s learned quite a bit about the geology and paleontology that create these beautiful specimens, and you may recall the fascinating article he wrote on agate formation that was published in our last newsletter.

Despite having an extensive understanding of the science, he says he is more interested in “nature’s art” than in “nature’s processes”. He is specifically attracted to the aesthetic aspects—striking colors and interesting patterns. He has a huge collection of specimens, some of which are displayed here, and he is often asked to display them and give presentations at local clubs as well as national shows. “This is a pretty big part of my life,” he says.



Dinosaur Gem Bone



Petrified Wood

Yet Alan is far from one-dimensional. He is well educated, with an MBA and a law degree. He owns a paper-hanging business and has other hobbies such as scuba diving and spearfishing. He has a long-termed girlfriend Debra, and an adorable, well-spoiled dog named Roxie.

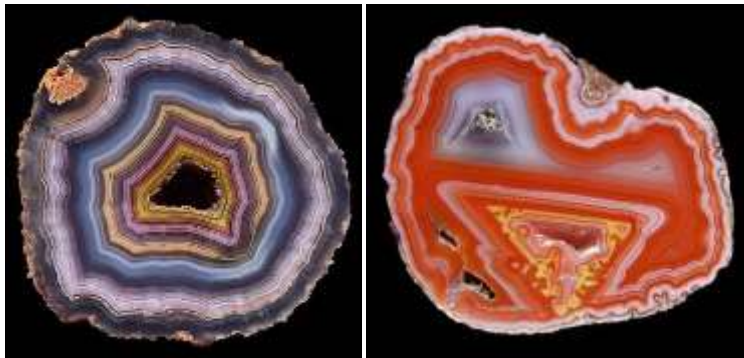
When asked about what his hopes were for the GMSPB going forward, Alan had this to say: “I hope the club adapts to the

Alan Meltzer (continued)

world of social media and reaches out online to the younger generations by developing strategic relationships with the Science Museum and other organizations that have a strong digital strategy to appeal to kids. I'd also like the club to use the same tactics to publicize the joys of lapidary and our shop's uniquely complete sets of equipment to help folks express their artistic impulses in jewelry."



Amethyst Stalactite Slices (in front)



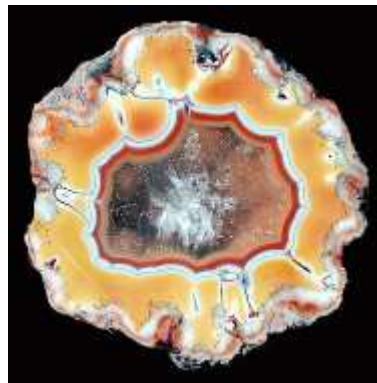
Two Coyamito Agate Specimens from Mexico



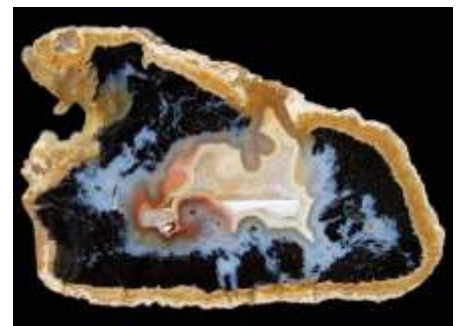
Polyhedroid Agate from Brazil with Multiple Chambers



Tiffany Stone (Bertrandite) from Utah



Puma Agate from Argentina



Petrified Palm from Indonesia

Club Purpose

To associate persons of the Palm Beach area of Florida who are interested in earth sciences, to work together as an organization in the gathering, cutting, displaying, and studying of rocks, shells, artifacts, and any kind of scientific objects of interest to the individual and the organization, to promote community interest in these objects.

The Rockhound Copyright 2021

by the Gem & Mineral Society of the Palm Beaches, Inc.

Permission to reprint original material herein not otherwise copyrighted is granted provided that credit is given to both author and publication. Articles not bylines are by the Editor.

FAIR USE NOTICE. This publication may contain copyrighted material the use of which has not been specifically authorized by the copyright owner. We are making such material available in our efforts to advance the educational understanding of the amateur jewelry fabrication and rock collecting hobbies. We believe this constitutes a 'fair use' of any such copyrighted material as provided for in section 107 of the U.S. Copyright Law. If you wish to use material from this publication for commercial or purposes of your own that go beyond 'fair use', you must obtain permission from the copyright owner.

Field Trip!

ART, PICNIC, and JUNK TOUR

Saturday, March 6 at 10 AM

First stop: LIGHTHOUSE ART CENTER - Tequesta
395 Seabrook Rd * 561/746-3101
to view the **RADICAL JEWELRY MAKEOVER**, an Exhibition of Jewelry remade and repurposed from bits and pieces of donated jewelry.
Made-over pieces are on display, and all pieces are for sale.
Cost: \$5.00 donation

After the exhibit:
Habitat For Humanity of Palm Beach County Thrift Store
1635 N Old Dixie Hwy * 561/253-2290

Outdoor Picnic Lunch at Sawfish Bay Park—Jupiter
1133 N Alt A1A

Jupiter Medical Center Thrift Shop
205 Center St * 561/746-1601

St Vincent de Paul Thrift Store—Jupiter
250 W Indiantown Rd * 561/401-9585

Furry Friends Thrift—Jupiter
615 W Indiantown Rd * 561/529-4075

Hospice Resale Shop—Juno Beach (if time permits)
Donald Ross Rd and US 1

We will meet at the Lighthouse Art Center at 10 AM and will proceed from place to place in the order listed above. You may bring your own picnic lunch, or Gale will pick up your lunch order at Publix if you prefer. MASKS are REQUIRED at the museum and shops.

To sign up and get full details, call or text either:
Gale Langford 561/386-3332
Arlene Lazzaro 561/810-3495



Sunshine News

Our prayers go out to
Keith Klein.

Commemorative jewellery
to always remember 2020



[DIY Pattern Here](#)

"This jewelry makes me look fat",
said no woman ever!



someecards
STAY HOME



JANUARY Sheri Hecoeks
Angela Juliano
Samantha Lazzaro
Marlon Leon
Melinda McGill
Jennifer McIntyre
Dennis Rietwyk
Charlotte Simo
Carol Swete
Marian Wells

FEBRUARY Rick Call
Tish Carlo
Deborah Garson
Margo Gilson
Julie Gering
Karen McMichael
Shir-lee Rosenberg
Jim Van Dam



*We must both, I'm
afraid, recognise that, as
we grow older, we
become like old cars -
more and more repairs
and replacements are
necessary.*

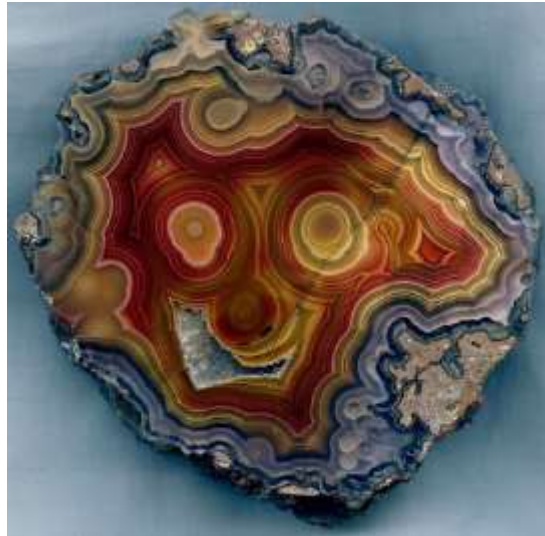
- C.S. Lewis

Funny Weird Agate Specimens You Should See

From <http://www.geologyin.com/2016/10/funny-weird-agate-specimens-you-should.html>



Agate - face at Munich mineral show.
Credit: Martin P. Steinbach



A beautiful Laguna Agate from Mexico with a whimsical pattern that looks like the face of a laughing clown.
Credit: Uwe Reier

A Thunder Egg “Thunderegg” is a nodule-like rock, similar to a filled geode, that is formed within rhyolitic volcanic ash layers. Thundereggs are rough spheres, most about the size of a baseball—though they can range from less than an inch to over a meter across.

They usually contain centres of chalcedony which may have been fractured followed by deposition of agate, jasper or opal, either uniquely or in combination. Also frequently encountered are quartz and gypsum crystals, as well as various other mineral growths and inclusions. Thundereggs usually look like ordinary rocks on the outside, but slicing them in half and polishing them may reveal intricate patterns



Amazing unique bird-like agate. This rock is known as a "Thunder egg" and the outer shell is comprised of rhyolite. From Chihuahua, Mexico. Credit: Captain Tenneal



A thunder egg rock and finding Friendly Ghost, Caspar is one of the best known rocks at the Crater Rock Museum, United States.

and colours.

A characteristic feature of thundereggs is that (like other agates) the individual beds they come from can vary in appearance, though they can maintain a certain specific identity within them.

Funny Weird Agate Specimens You Should See (continued)



A woman presents a hooded owl agate mineral from Mexico at the 42nd Mineral Show and Geological Trade Fair in Munich, Germany.
Credit Classic rock and gem



Cookie Monster
This rock is known as a "Thunder egg" and the outer shell is comprised of rhyolite.
Credit: Joshua LeCram Ritter



An agate slab with a happy smiley face in its brown bands.

Other Great Articles on geologyin.com

[14 Facts You Should Know About Minerals](#)

[Steamboat Tourmaline: One of California's
Finest Minerals](#)

[Electric-blue Veselyite Crystals](#)

[Fascinating Utahite with Xocolatlite
Crystals](#)

[World's Largest Quartz Crystal Cluster](#)

[This is a Rock, Not a Slice of Cheesecake](#)

[The Gachalá Emerald](#)

[Something Digs Intricate Tunnels in Garnets](#)

[The Rarest and Most Expensive Pattern of
Opal](#)

All About Hammers

From https://beaducation.com/product_guides/9-all-about-hammers



1 Pound Brass Head

The 1 lb Brass Head Hammer is the tool of choice for striking design and letter stamps. The weight of the hammer gives an even and clear impression. Since this hammer is made of brass, the face of the hammer will get dinged up and possibly flake a bit. This is normal wear and tear and not a defect in the tool. A Brass Hammer does not have "bounce back" and is similar to the dead blow hammer in that respect. Household hammers are not as dense as the brass and therefore will have bounce back which will result in a blurry stamped image.



2 Pound Brass Head

The 2 lb Brass Head Hammer will provide a heavier blow behind the strike on a design stamp. If the stamp has a more complex design, it may transfer to the metal better with a heavier hammer.



Plastic Mallet

The Plastic Mallet forms metal without marking it. It is perfect for shaping metal around a mandrel or tapping blanks flat after stamping.



Rawhide Mallet

The Rawhide mallet features a heavy 2" head made of rolled rawhide and coated with shellac. This mallet is perfect for shaping and flattening metals when a softer blow is needed. The head will become softer over time. To speed up the process, the mallet head can be soaked in water and pounded against the pavement.



Round Face Riveting

The round face riveting hammer is a smaller, lighter hammer. This hammer is perfect for riveting using smaller gauge wire. The tapered end is perfect for texturing metal. The surface of this hammer can be easily marred. Do not use it for any other purpose than riveting.

Continued on Next Page

All About Hammers (continued)



Square Face Riveting

The square face riveting hammer is a heavier, harder working hammer. The head is made of hardened steel and works well for heavier gauge rivets. This hammer is meant for riveting. Do not use to strike design stamps.



Chasing

A Chasing Hammer forms, flattens and shapes metal including wire, wire strip and sheet. The flat head of the hammer is slightly convex to prevent the rim of the hammer from marring the metal. The ball end of the hammer can be used for making a dimpled surface on the metal. Although the initial intent of this hammer was to lightly hit design stamps, we like to keep the face pristine and smooth for forging metal. For modern metal stamping, a brass mallet is best.

Brad's Bench Tips

Learn New Jewelry Tricks and Techniques

with Brad's Jewelry-Making Books

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 centerpunch 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.



UPCOMING SHOWS

February 6-7: Merritt Island, FL

Central Brevard Rock and Gem Club will be hosting their 44th annual show at Kiwanis Island Recreation Center (951 Kiwanis Island Park Merritt Island, FL) on Feb 6 & 7 2021. Over 20 vendors selling rocks, minerals, specimens, finished jewelry and lapidary supplies. Door prizes and grand prize drawing. Admission \$4.00 for adults, kids under 12 are free with an adult. Sluice and spinning wheel for the kids. Roz Mestre -roz.mestre@att.net or 321 431-0159.

February 27: Lakeland, FL

Annual show; Imperial Bone Valley Gem, Mineral & Fossil Society; First Presbyterian Church; 175 Lake Hollingsworth Dr.; Sat. 9-4:30; adults \$3, students, children and teachers free; door prizes, Spin & Win Mineral Wheel, kids' Treasure Dig, demonstrations, educational displays, silent and Chinese auctions, dealers with rocks, minerals, fossils, jewelry, gifts, hobby supplies, lapidary demonstrations, wire wrapping, cabochon making; Kim Price, (863) 412-9156 or IBVGMFS@gmail.com.
www.bonevalley.net

March 12-14: Live Oak, FL

"A good old-fashioned rock swap"

Selling open to all members of all SFMS clubs; buying open to the general public. Spirit of Suwannee Music Park, 3076 95th Drive, Live Oak, FL 32060. (386) 364-1683 or
www.musicliveshere.com

March 20-21: Plant City, FL

Tampa Bay Mineral and Science Club Show. Gems, minerals, fossils, jewelry, tools, lapidary supplies, beads, jewelry making supplies. Saturday & Sunday 10am-5pm. Adults \$5, Teens 12-16 \$4, Active Military \$4, free to kids under 12. Sadye Gobbs Martin County Community Center, 302 South Maryland Avenue, Plant City, FL 33563.
tampabayrockclub.com

Private Sale: Lapidary Rough

Jackie Yoder of the Crystal Cave will hold a private sale of milk crates loaded with lapidary rough at her house in Cooper City on Sunday February 28, 2021 starting at 11:00 a.m.. This will be open to the first 15 people to respond. The crates are filled with materials which have been stored in her garage for 30 years and have some materials not available anymore. Participants can not sort through the crates and must take the contents of the crate. We will have some help to help load the crates into the participants vehicle, but suggest they have help also due to the large volume of crates (approximately 50 crates). Reservations to participate can be made by calling the Crystal Cave at 954-585-8988. The actual address will be given only to the confirmed participants. Price per crate is \$15 cash. Please bring sheets of paper (color coded would be helpful) with the participants name on them to place in the crates as identification of purchaser, first come first serve, all sales final. When calling the Crystal Cave please ask for John.



A diamond is just a piece of charcoal
that handled stress exceptionally well.



Shop Talk



The GMSPB Shop is open again, but on a very limited basis. Shop hours are available only to GMSPB members. Shop fees are \$7 for up to three hours, and \$10 for longer. Note that this represents an increase over previous years.

IMPORTANT! Members must complete a 6-class Certification Class before using the cabbing equipment. This class runs for six consecutive weeks for 3 hours each week to provide safety instructions and cabbing techniques. If you received training elsewhere, you will still need to demonstrate your proficiency before using shop equipment. For information on cabbing certification please call Lo Rain Dudley or Lee Miller (numbers listed below).

ALSO IMPORTANT! You must contact the Shop Steward listed below before you come to the Shop. No walk-ins, please. We will observe all COVID-19 precautions—only a few people will be allowed in the Shop at any given time. You will be required to arrive with:

- ◆ A functional, well-fitting mask, worn over the nose and mouth at all times.
- ◆ Gloves.
- ◆ Plenty of hand sanitizer.

The Shop times listed below are approximate and may be negotiated with the Shop Steward on duty at the time.

Open shop is available for lapidary, metal work, enameling, fused glass, classes and to use the library. You must be certified to use the kiln! For kiln certification and classes, please contact Samantha Lazzaro. At the present time, kiln use is limited to Monday Open Shop Hours.

You will be asked to sign a one-time liability waiver and be given a copy of the shop rules.

Always sign in and out of the log book and complete the information on the sign in sheet.

OPEN SHOP HOURS & STEWARDS

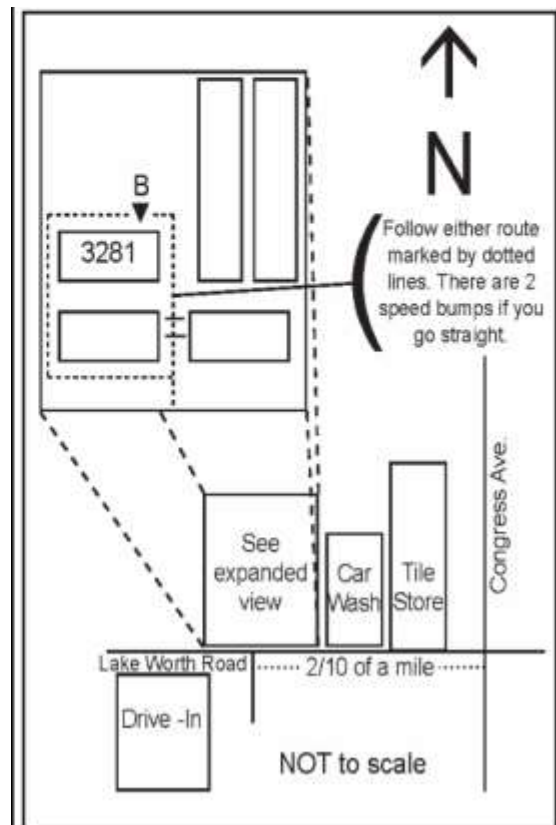
Mondays 10:30am - 5:00pm
Samantha Lazzaro, Shop Steward
631-764-6556

Wednesdays 12:00pm - 3:00pm
Lo Rain Dudley, Shop Steward
561-827-5793

Thursdays 12:00pm - 3:00pm
Dennis Rietwyk & Lee Miller, Shop Stewards
561-329-8872 (Lee)

Fridays 12:00pm - 3:00pm
Lo Rain Dudley, Shop Steward
561-827-5793

Saturdays 10:00 am-2:00 pm
Lee Miller, Shop Steward
561-329-8872



The street address of the shop is:
3281 Lake Worth Road, Suite B,
Lake Worth, FL 33461

AVAILABLE CLASSES

| CLASS | INSTRUCTOR | COST | DATE/TIME/NOTES |
|--|----------------------------------|---|--------------------------------|
| ◇ Introduction to Chainmail ◇ How to Use the Jumpringer ◇ Introduction to Metalsmithing ◇ Viking Wire Weave | Laura Simmons 407/234-0444 | \$30 + \$10 materials fee \$10 + \$5 materials fee \$50 + \$30 materials (copper) or \$60 materials (silver) \$30 + \$15 fee | Contact instructor to arrange. |
| Cabochon sessions Six 3-hr sessions | Susan Cairl 561/293-1298 | \$75 + \$20 materials fee | Contact instructor to arrange. |
| Cold Connections Class Series: ◇ Explosion Pendant ◇ Fold Forming Bracelet w/Beveled Stone Setting ◇ Scrapbook Bracelet (rivets) ◇ Metal Etching & Air Chasing Bracelet ◇ 3D Pendant w/Druzy Stone Slice NEW! | Arlene Lazzaro 516/810-3495 | \$40 + \$35 materials fee \$40 + \$35 materials fee \$40 + \$35 materials fee \$40 + \$40 materials fee \$40 + \$40 materials fee | Contact instructor to arrange. |
| Enameling | Samantha Lazzaro 561/372-2359 | \$40 + \$50 materials fee | Contact instructor to arrange. |
| Flat Lap | Lee Miller 561/329-8872 | \$40 + \$10 supplies fee | Contact instructor to arrange. |
| Gem Tree | Dianna Ray 561/707-6753 | TBD | Contact instructor to arrange. |
| Metalsmithing: ◇ Alien Prong Ring | Arlene Lazzaro 516/810-3495 | \$40 + \$15 materials fee | Contact instructor to arrange. |
| Wire Sculpture Class | Debi Kachman 561/568-8736 | \$30 + \$20-50 materials fee (depending on metal) OR supply list can be provided | Contact instructor to arrange. |



February



| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|--|--|-----------|--|--|---|---|
| | 1 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 2 | 3 12-3 PM Lo Rain 561/827-5793 BOARD MEETING 7 PM | 4 Open Shop 12-3 PM General Work Lee 561/329-8872 | 5 Open Shop 6-9 PM General Work Lo Rain 561/827-5793 | 6 Open Shop 10-2 General Work Lee 561/329-8872 |
| 7 | 8 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 9 | 10 Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | 11 Open Shop 12-3 PM General Work Lee 561/329-8872 | 12 6-9 PM Lo Rain 561/827-5793 AUCTION BEGINS | 13 Open Shop 10-2 General Work Lee 561/329-8872 |
| 14  | 15 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 16 | 17 Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | 18 Open Shop 12-3 PM General Work Lee 561/329-8872 | 19 Open Shop 6-9 PM General Work Lo Rain 561/827-5793 | 20 Open Shop 10-2 General Work Lee 561/329-8872 |
| 21 GENERAL MEETING 3-5 PM AUCTION ENDS | 22 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 23 | 24 Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | 25 Open Shop 12-3 PM General Work Lee 561/329-8872 | 26 Open Shop 6-9 PM General Work Lo Rain 561/827-5793 | 27 Open Shop 10-2 General Work Lee 561/329-8872 |
| 28 | | | | | | |

MARCH

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----------|--|-----------|--|---|---|---|
| | 1 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 2 | 3 Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | 4 12-3 PM Lee 561/329-8872 <div style="background-color: green; color: white; text-align: center; padding: 5px;">BOARD MEETING 7 PM</div> | 5 Open Shop 6-9 PM General Work Lo Rain 561/827-5793 | 6 10-2 Lee 561/329-8872 <div style="background-color: green; color: white; text-align: center; padding: 5px;">ART, PICNIC & JUNK TOUR 10 am</div> |
| 7 | 8 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 9 | 10 <div style="background-color: #c8e6c9; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> </div> Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | 11 Open Shop 12-3 PM General Work Lee 561/329-8872 | 12 Open Shop 6-9 PM General Work Lo Rain 561/827-5793 | 13 Open Shop 10-2 General Work Lee 561/329-8872 |
| 14 | 15 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 16 | 17 Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | 18 Open Shop 12-3 PM General Work Lee 561/329-8872 | 19 Open Shop 6-9 PM General Work Lo Rain 561/827-5793 | 20 Open Shop 10-2 General Work Lee 561/329-8872 |
| 21 | 22 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 23 | 24 Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | 25 Open Shop 12-3 PM General Work Lee 561/329-8872 | 26 Open Shop 6-9 PM General Work Lo Rain 561/827-5793 | 27 Open Shop 10-2 General Work Lee 561/329-8872 |
| 28 | 29 Open Shop 10:30AM - 5 PM General Work Samantha 631/764-6556 | 30 | 31 Open Shop 12-3 PM General Work Lo Rain 561/827-5793 | | | |

The Rockhound

Official publication of the Gem & Mineral Society of the Palm Beaches, Inc.

MEMBERSHIP DUES

Junior Membership—\$10.00
(Under age 18)
Single Membership—\$20.00
(Over age 18)
Family Membership—\$30.00
(Includes 2 adults and children under age
18 in a single household)

*Membership expires on December 31st
each year and is due by the end of
February of the new year.*

To renew your membership, make your
check or money order to:

Gem & Mineral Society of the Palm
Beaches, Inc. and mail to:

Membership Coordinator
Gem & Mineral Society
P.O. Box 18095
West Palm Beach, FL 33416-8095

NAME TAGS

Available from:
Ace Marking Devices (\$12.00)
3308 S. Dixie Hwy.
West Palm Beach, FL 33405
561/833-4073

SHOP FEES

Up to 3 hours shop time - \$7
Over 3 hours shop time - \$10

SEE CALENDAR FOR OPEN SHOPS

SHOP STEWARDS

Head Shop Steward:
Lee Miller 561/329-8872
Dennis Rietwyk 561/255-0292
Samantha Lazzaro 561/372-2359
Lo Rain Dudley 561-827-5793

Shop Phone:
561/585-2080

2021 OFFICERS

| | | |
|---------------------|-------------------|--------------|
| President* | Arlene Lazzaro | 516/810-3495 |
| 1st Vice President* | Barbara Ringhiser | 561/379-4307 |
| 2nd Vice President* | Dianna Ray | 561/707-6753 |
| Secretary* | Clara Pflueger | 201/566-6492 |
| Treasurer* | Jenny Wright | 561/634-1427 |

2021 DIRECTORS

| | | |
|--------------------|----------------|--------------|
| Head Shop Steward* | Lee Miller | 561/329-8872 |
| Membership* | David Taylor | 561/644-1888 |
| Newsletter Editor* | Laura Phillips | 561/523-3594 |
| Member-at-Large* | Lo Rain Dudley | 561/827-5793 |
| Show Chairman* | Open | |
| Webmaster* | Richard Tracey | 561/318-6891 |

COMMITTEE CHAIRPEOPLE

| | | |
|-----------------------|----------------------|--------------|
| Hostess | Samantha Lazzaro | 561/372-2359 |
| Jr. Rockhound Program | Mitchell Turk | 561/506-4655 |
| Librarian | Shop Steward on Duty | |
| Programs | Barbara Ringhiser | 561/379-4307 |
| Raffle Coordinator | Laura Simmons | 407/234-0444 |
| Refreshments | Arlene Lazzaro | 516/810-3495 |
| Sunshine Committee | Jenny Wright | 561/634-1427 |
| Social Events | Open | |
| Webmaster | Richard Tracey | 561/318-6891 |

*Denotes a Voting Member of the Executive Committee.

WEBSITE

www.gemandmineralsociety.org or www.gmspb.org

Club Email Addresses

membership@gmspb.org
newsletter@gmspb.org
president@gmspb.org
show@gmspb.org
vendorinfo@gmspb.org
webmaster@gmspb.org

Link to our **smile.amazon.com** account:

<http://smile.amazon.com/ch/59-6196330>

The Gem & Mineral Society of the Palm Beaches, Inc. is a 501 (c) (3) corporation and a member of the Eastern and Southeastern Federations of Mineral and Lapidary Societies, and is affiliated with the American Federation of Mineralogical Societies. Monthly meetings are held on the third Thursday of the month except for December, which is held on the second Thursday. Meetings start at 7:30 PM at the former Garden Club building (across from the Science Center), 4800 Dreher Trail North, West Palm Beach, FL 33405.

The opinions, beliefs and viewpoints expressed by the various authors in this newsletter do not necessarily reflect the opinions, beliefs and viewpoints of the Gem and Mineral Society of the Palm Beaches ("GMSPB"). GMSPB does not verify any claims made for accuracy, and is not responsible for the views expressed. Nothing contained herein constitutes any sort of professional advice, including but not limited to legal, medical, or financial advice. Any action you take based on information published in The Rockhound is strictly at your own risk.

Send comments or submissions to laurajeanphillips@gmail.com