



# The Rockhound

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

[www.gemandmineralsociety.org](http://www.gemandmineralsociety.org)  
September 2018 Volume 51 Issue 12

## President's Message

Hello Fellow Rockhounds!

I hope everyone has had a safe and exciting summer. Maybe there will be a few new stories to be told and new rocks, fossils, minerals, and other lapidary treasures to be shared by our returning friends.

I look forward to seeing everyone next week at the general meeting. The Board members met last week and there are a couple of things coming up that I will mention. Applications for membership and payment of yearly dues will soon be accepted online. Our web genius, Richard, will be researching issues and setting up the links on our website to make this happen. This should smooth the process and make it easier to track for our membership coordinator and treasurer.

Also coming up soon is the nomination and election of new officers for 2019. If you would like to serve or have someone to nominate please contact Arlene Lazzaro, our nomination committee representative.

We are coming into our busy season and there is plenty to do for anyone willing to help. The next TY park event is happening on October 7th. Always a good time there with food, raffles, rocks, and lapidaries from three counties to mingle with.

And our 52nd annual Gem, Mineral and Fossil Show is coming up in November! Our members are painting and prepping display cases, bagging rocks for the Last Chance Mine and the Spinning Wheel, and any number of other tasks to be done ahead of the show. If you would like to volunteer for work during the show please contact Dianna Ray to sign up.

— Lee Miller, President

## Membership Meeting

Thursday, September 20  
at 7:30 pm

**4801 Dreher Trail North  
West Palm Beach FL 33405  
at the Multi-Purpose Center**

## September Program: **It's a Mystery!**

Barbara Ringhiser is currently scurrying around arranging a fascinating program for us. We don't know yet what it will be, but it will be worth it. Come join the mystery!



## Junior Rockhounds

**This month our Junior Rockhounds will join in the adults mystery program!**





## Birthstone: Sapphire

September's Birthstone is the sapphire which has been known as a gemstone since at least the middle ages. The word sapphire is derived from Greek and Latin. The Egyptians, Hebrews and Greeks referred to blue gemstones and historians during Greek and Roman times used what we call sapphire to describe them. It seems most likely that the ancients were referring to lapis lazuli which is a deep blue stone that is a mixture of minerals and is opaque. It is not clear when the stone we now



call sapphire was first mined. Up until the early 1900's the sapphire was often used as an engagement ring. Since then the diamond has been promoted for engagement rings but sapphire is becoming

popular again. Kate Middleton was given a 12 caret ring that had belonged to Diana.

Sapphire is made primarily of corundum, aluminum oxide, the same material that ruby is made of. While we usually think of sapphires as blue, corundum crystals of any color except red are called sapphire. In the US to be called a ruby the stone must be a certain degree of "redness". Even pink corundum is called sapphire not ruby. Ruby and sapphire get their colors by different mechanisms. In ruby about a 1% impurity of chromium replacing the aluminum produces the red color. The color is

due to absorption of light by the chromium where an electron is raised to a higher energy level and the probability of this happening is low so a full 1% impurity is required to give the red color. In sapphire the blue color is due to the presence of two impurities: Iron and titanium usually at about 0.01%. In sapphire the mechanism of light absorption is different from ruby. In sapphire the mechanism is called charge transfer where an electron is moved from iron to the titanium. The probability is high so far less of this impurity mixture is needed.



Ruby lasers created an industry capable of making large corundum crystals. If you leave out the chromium impurity you can make a sapphire instead of ruby. There are a large number of uses for synthetic sapphires other than as gemstones. Corundum is one of the hardest substances known (hardness 9 with diamond at 10). The windows of spacecraft are sapphire along with the familiar window in the scanner at the grocery store. If the grocery store scanner was glass it would need frequent replacement and the sapphire is so hard it doesn't scratch. Another use of synthetic sapphire is in the semiconductor industry. It is used as the substrate for semiconductors and also as the windows for LED's which allows the creation of UV LED's.

### References:

- <https://www.americangemsociety.org/page/septemberbirthstone>
- <https://www.wixonjewelers.com/education/gemstones/gemstone-guide/#sapphire>
- <http://www.webexhibits.org/causesofcolor/8.html>
- <https://en.wikipedia.org/wiki/Sapphire>
- [https://en.wikipedia.org/wiki/Lapis\\_lazuli](https://en.wikipedia.org/wiki/Lapis_lazuli)

-Article compiled by Richard Tracey



# Sunshine News

Our thoughts this month are with former club president Michelle Renne', who is recovering from major surgery. Get well fast, Michelle, we know you'll be up kicking soon!



- L ee B olaro
- Elaine D urow
- B randon Eldridge
- V anessa Essery
- Philliss F ebbro
- B ob Goff
- L orna Hayes
- M atthew K ovic
- J eanine L amanette
- J erry L egeron
- F rank Meade
- Hudson Parker
- D ebra Picow
- Michelle Renne'**
- B arbara Ringhiser
- Sophia Stern
- Ron Stull
- Catherine W ingate

### 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.

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*The older you get, the better you get...  
unless you're a banana!*



## Member Highlight: Linda Hersh

GMSPB spotlights this month shine on Linda Hersh who has been a club member for about five years. Linda was introduced to the club when she took a jewelry making class with our former club president, Michelle Renne'.

Linda has always been a creative person, and even earned a BFA from Florida Atlantic University. Once focused primarily on painting and printmaking, Linda is now loving her newest passion—jewelry making. Once she joined the club, she took many of our classes, including the cabbing class, silversmithing, and cold connections.

Currently, Linda is working with gems and stones in combination with wire work. Having learned crochet as a youngster, she also works crochet into many of her jewelry creations.

To date, Linda has not been on any field trips or digs with club members, but she looks forward to being able to do that in the future. She also plans to take a class or two at William Holland within the next year.

Linda is especially grateful to Michelle Renne' for introducing her to "this wonderful lapidary world", and also to Arlene and Samantha Lazzaro for bearing with her through her frustrations learning how to create jewelry. We look forward to seeing Linda's awesome creations!

## TY PARK Tri-Club Picnic and Rock Swap & Sale

Sunday, October 7 from 10:00AM-4:00 PM  
Pavilion #9 at TY Park (see map)

- ◆ Relax and mingle with members of the Palm Beach, Gold Coast, and Miami clubs
- ◆ Bring a **potluck dish** to share, your **table service** and **drinks** (no glass containers)
- ◆ Bring **items to donate** to Raffles and Bingo, which pay for pavilion
- ◆ Arrive around 9:30-10:30 if you wish to set up a table to sell club related items (no charge), just bring **table** and **chairs**
- ◆ Lunch begins at 11:30
- ◆ Volunteers are needed to help set-up, sell tickets, call bingo, and clean-up.
- ◆ For more info, call Sean Branigan at 954/592-1503 or KC Foster at 561/523-4600.

**DIRECTIONS:** From I-95 go West on Sheridan Street. Go North (right turn) on North Park Road. The Park entrance will be on the right (east) side. *Park admission is \$1.50 per person.*



## Sharing the Fun and Folklore of Gemology

by Douglas S. LeGrand, GG

First, I would like to say thank you to Don Clark the President of International Gem Society for allowing me the chance to reach out and talk with each and everyone of you. My name is Douglas S. Le Grand G.G., the initials at the end of my name G.G. stand for Graduate Gemologist. This is not a degree that you get from a regular college or university; this is a special degree that you get for studying gemstones. And this is what my article is going to be about, gemstones and the people who study them.

My goal is to share with each of you the fun and folklore or gemstones. Since this is my first article for IGS, my goal is to introduce you to the difference between a rock, mineral and a gemstone.

I remember my first experience hiking through the canyons behind my parent's home in San Diego. I came across a sandstone formation filled with tiny little shells. When I took them to "Show and Tell" in my elementary class my teacher told me that they could be millions of years old. I could not believe my ears, San Diego and the canyons that I was playing in was all under seawater 100,000's of years ago and that is where the shells came from.

Did you know that San Diego is the fourth largest gemstone source in the world? It's true, and this is my second story that I want to share with you. When I was a much younger man, I worked as a gold miner up in the hills of San Diego. Mining is very hard work and they usually make you work 12 hour shifts. So before you begin working in a mine you have to get in top shape. The way my boss did this was, he made me break big rocks into small rocks. My boss's name was Verne Harkness. One day Verne backs up a truck loaded with Pink Quartz. Quartz is one of the most common minerals on earth covering 70% of the world's surface, and pink quartz is beautiful variety of this mineral. So Verne tells me to start breaking the big rocks up into little rocks. The first hours were horrible, I was so tired I sat down to rest. Of course since he was the boss, he came over, put his arm around me, and explained what he was doing, getting me in shape to work. I felt better but I was still tired.

After resting a while, I got up and began breaking the rocks again. Then I broke open a 10 lb pink quartz rock to reveal it's hidden treasure; a perfect 6-inch long, black Tourmaline crystal. That was the moment I was hooked on minerals. Tourmaline crystals form in a Hexagonal crystal structure, (that just means it has eight sides to it.) What I did after that I will always regret; I pulled the crystal out of its matrix, (the surrounding stone,) and put it in my pocket. The true beauty was destroyed when I took the crystal out of its surrounding stone.

Close your eyes and imagine a solid black crystal that had been sitting in the pink quartz for millions of years and I just pulled it right out. It makes me sad today thinking out it. It is common for miners to find Tourmaline inside of quartz. As a matter of fact, this type of quartz is special because a lot of different minerals are found in it. Topaz, Tourmaline, Beryl, (pink, blue and green Emeralds), metals like Gold, Silver, are also found.

Getting back to what is a rock, a mineral and a gemstone. It might be a little confusing but a gemstone is a rock or mineral that man has shaped and polished to wear as jewelry. A gemstone will have certain characteristics that are common: it must be hard, durable and most of all beautiful. It will be easy for you to discover what is beautiful once you begin your lapidary classes and make your first piece of jewelry.

Remember to go with your club or family on field trips, they're the most fun, and start looking around for something that you think will look beautiful. Whether it is drilling a hole into a seashell and pulling string through it so that you can wear it around your neck, or taking lapidary classes, shaping and polishing your first stone, use your imagination. Some people will say that imagination is God's way of letting you share your inner feelings with people around you. There is no right stone or wrong stone. It is up to you to express yourself through the stones that you pick with jewelry.



"Canyon Sin Nombre," Anza-Borrego Desert State Park, CA, by Michael Allen Smith is licensed under CC By-SA 2.0

- from <https://www.gemsociety.org/article/an-introduction-to-gemology-le-grand/>

## Did You Know?

The Rockhound newsletter is your monthly update about all that goes on in the club—our meetings, classes, upcoming events, and informative articles about gems, minerals, and jewelry. Most of us receive our monthly issues via email, but many members have opted to receive a snail-mailed hard copy either instead of, or in addition to, the emailed version. To date, members have been charged \$10 per year to receive the printed copy in their mailboxes.

However, the cost of delivering those newsletters is much higher than you might expect. A 14-page newsletter currently costs \$1.40 to print, 70 cents to mail, plus the cost of an envelope and a label. That's about \$2.40 per issue. The newsletter is occasionally longer, which requires an extra stamp and of course, additional printing costs, bringing the cost closer to about \$3.75.

In reality, **it costs the club about \$35 per year to send out a printed newsletter.**



Beginning in 2019, we will be asking members to print their own copies of the newsletter in order to spare the club this expense.

We understand that a few members do not have access to a computer and/or email. You will still be able to have your newsletters delivered to you, but the cost will be going up to reflect the actual cost to the club. We sincerely hope this is not a hardship for any of our members.

## Volunteers Needed!



## Family Fun Day

Saturday, September 22

12:00 noon—5:00 PM

Palm Beach Museum of Natural History  
at the Wellington Mall

*The Palm Beach Museum of Natural History is having a Family Fun Day with creative activities, demonstrations, and local vendors. They have offered us a table where we can tell people about the Gem and Mineral Society, answer questions, and invite people of all ages to join! If you are able to help, contact Jenny Wright at 561/634-1427 or [jwrightgems@gmail.com](mailto:jwrightgems@gmail.com).*

## COMING SOON!

**You will soon be able to join the Gem and Mineral Society of the Palm Beaches or renew your annual membership online, and make payment via PayPal. We are moving into the 21st century! The club thanks Webmaster Richard Tracey for his dedication to making our website fabulous!**

**[www.gmspb.org](http://www.gmspb.org)**

# ROCKHOUND of the MONTH



## ROXIE!

Have you *ever* seen anything so adorable?  
Roxie is a Bichon Frise and Shih Tzu mix that  
was born on April 18th, and is now the best  
furry friend of Alan Meltzer.

**Look at  
that  
adorable  
face!**



**More pictures  
and videos are  
available on  
[Alan's  
Facebook page](#).  
Check it out!**

*Do you have a furry, finned, feathered, or other friend  
that keeps you company when you're having fun with  
your rocks? We'd love to feature him or her in the next  
newsletter. Send a picture or two and a little info to Laura  
Phillips at [laurajeanphillips@gmail.com](mailto:laurajeanphillips@gmail.com).*

## CALLING ALL MEMBERS!

Summer is almost over and it is time to start planning the Exhibit Cases for our big show in November, the weekend before Thanksgiving. The Exhibit Cases are an important aspect of the Club's Gem and Mineral Show because it differentiates us from the purely commercial shows by emphasizing the educational and social elements of gems, minerals, lapidary and fossil studies.

What has brought you to join the Gem and Mineral Society of the Palm Beaches? Is it an interest in antique mining equipment, jewelry or something else? This is your chance to share your unique collection, specimens and knowledge.

This year's theme is the color pink and we hope it will help inspire your display, but it is not obligatory. There will be a sign-up sheet at the meetings and an information sheet available.

This year's exhibit cases have been refurbished and equipped with much-improved lighting. You will be impressed with the results of lots of hard work by our President and Show Committee Chairman, as well as other members of the Show Committee.

Can't wait to see your displays!

## Wildacres September Workshop

September 17-23, 2017

<http://sfmsworkshops.com/>

Tuition \$395

Full descriptions of class and instructors on website



### Beginning Chain-Maillé Jewelry- Roy Deere

This class is an introduction to one of the popular and fastest growing areas of jewelry making. Students will learn the proper way to open/close jump rings, basic patterns of linking the rings to form intricate chains, and finishing techniques to make the chains into wearable jewelry. The class will consist of a couple of pre-selected projects to teach the basic techniques followed by other projects which each student can individually select. Class Fee: \$50 to \$150



### Intermediate Chain-Maillé Jewelry- Roy Deere

The class will introduce the student to such advanced techniques as non-round jump ring shapes, jump rings made from different wire shapes, beaded enhancements, mixed metals, dangles, drapes, and many other enhancement techniques that can be applied to traditional designs to make them very unique. We will also examine some more complicated patterns and learn approaches to doing them which make the process much easier. Class Fee: \$75 to \$250



### Fused Chain-Maille Jewelry- Roy Deere

In the Fused Chain-Maille class we will explore the construction of necklaces, bracelets, and earrings which have all of their ends "soldered" together. Work will be done with Argentium wire. Argentium is a special class of Sterling Silver that has Germanium added to replace a small amount of the Copper in the Sterling. This changes some of the properties of the silver. Specifically it allows the silver to be fused. Class Fee: \$100 to \$300



### Cold Connections I - Morning Sherrod

This class will start with basic skills such as the proper use of a jeweler's saw, hammering, patterns, doming with dapping blocks using a die cutter, and how to anneal metal. We will be using copper, brass, bronze, and silver to add color and character to your jewelry. Connections will be accomplished using rivets, jump rings, and wire. We will also learn about patinas and etching. This will be a fun class with many finished pieces to take home. It will also provide a framework for more advanced projects. Class Fee: \$80



### Electro-Etching - Micah Kirby

Learn a design driven approach to Electro Etching. Gain knowledge using multiple masking techniques including oil based marker, vinyl, P-n-P, and photosensitive paper as resists on metal. Acquire experience with two, non caustic and non gas producing electrolyte solutions: salt and cupric nitrate. Low voltage power supplies will be our power source to initiate etching. Copper and silver will be the main metals we use for this course (others can be used). Lab fee: \$150

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**Tuition \$395**

Full descriptions of class and instructors on website



### Enameling - Ruth Prince

Enamels are basically finely ground glass that bonds with metal when heat is applied. This week we will explore not only traditional kiln firing but also free-wheeling torch firing. During the week, we will try traditional techniques like basse-taille and cloisonné and also spend some time playing with fire and smoke as we raku fired enamels. We will try out liquid and acrylic enamels, apply decals, draw on enamel with a pencil, and learn what things can be added as inclusions in the enamel. We will be applying enamel to copper. Lab Fee: \$75



### INTRO TO INLAY - Chuck Bruce

Beginning Inlay Jewelry - Students will construct an inlay pendant (project 1), ) and student choice after. Suggestions for project, Large Inlay pendant, inlay bead, Inlay Ring, Belt Buckle, and Cuff links. Students can bring basic silver tools, pocketknife or scribe, will have most tools needed. Students need to bring or purchase 2-3 slabs of rock that are similar hardness, Woods, Fossil Ivory and can be combined for inlay. Pattern stones do very well with plain colored stone. Expect waste rock. Lab Fee: \$150.00 Estimate Material Cost: \$100 to \$300



### Seed Bead Weaving - Ann Page

The offered class will be A Study in Right Angle Weave and will include a bracelet, a pendant, and a bezel for any shape stone cabachon. It will also include making two ropes, one in flat right angle weave and one in cubic right angle weave. The kit price for this class is \$45. This will include access to Ann's treasure chest of beads. All projects will include gemstones. There is a limit of 8 for this class. Class Fee: \$45



### Silver I - Pattie Appleby

NO previous experience required! You will learn basic techniques of jewelry fabrication and metalsmithing by making pieces such as rings, bracelets, and pendants. Students will learn soldering with a torch, piercing, forming, finishing and stone setting. A materials fee of \$65 is payable at the beginning of the class and silver and/or copper may be purchased from Pattie for each project at a total cost of from \$50-\$150 (according to how many pieces you may make!)

FEE: lab fee is \$65 and the class projects' fee will be approximately \$50-150

## **VOLUNTEER TIME FOR THE ANNUAL SHOW!!!**

November 17<sup>th</sup> and 18<sup>th</sup>, the weekend of our annual show, will be here before we know it!! Our 52nd!!! That means it is time to start thinking about volunteering NOW. Here's a list of volunteer positions and the duties required. YOU can make a difference! Without you, our society members, it would be impossible to fill the many time periods necessary to make the 2018 show the best show yet! Over 100 volunteer shifts need to be filled. **The club cannot run without the proceeds from the show!!**

### **PLEASE LET US COUNT ON YOU.**

#### **THURSDAY Set-up crew - NOVEMBER 15TH**

Approximately 6 people are needed to move tables around and set up each booth area. We will be supervising Fair- grounds help in the placement of tables according to our floor plan. Also, we will be able to do the Society's setup on Thursday. We have hired help to do the heavy lifting, but we still need members to assist in directing helpers on where unloaded materials go at the fairgrounds. Materials such as our display cases, from the storage unit, must be loaded in the rented truck, and brought to the Fairgrounds, unloaded and set-up. We will also be setting up the flume.

#### **FRIDAY SET/UP/SUNDAY TAKE DOWN - NOVEMBER 16th and 18th**

As many volunteers as we can get are needed to set-up during the day on Friday and to take-down after the show from 5:00 PM on Sunday. Friday, the display cases need to be assembled, as well as many odds and ends jobs too numerous to go into here. On Sunday, after the show is over, everything must be packed up, loaded in the truck, and delivered back to the storage area. Again, we have hired help to do the heavy lifting, but we still need members to assist in directing helpers on where materials go to be loaded into the truck. We also will need some people to go to the storage location to direct the hired help on where to put the unloaded materials.

#### **TICKET TAKERS, NOVEMBER 17<sup>th</sup> and 18<sup>th</sup>**

Two people are needed for each 2-hour time slot. Responsibilities include taking tickets at the entrance doors, tearing the ticket in half, depositing one half in the box, and giving the second half to the guest. This position requires either sitting on a stool or standing. Requirements include a pleasant, friendly, helpful, courteous, and kind personality. At times, ticket takers are very busy. This is a very important position because ticket takers are the "first impression" that people get of our society.

#### **INFORMATION TABLE - NOVEMBER 17<sup>th</sup> and 18<sup>th</sup>**

Three people are necessary for each 2-hour time slot. Responsibilities include answering questions concerning the show, checking in volunteers and giving them their badges and providing information about our society's activities. Information attendants should be able to direct visitors and provide information about everything from who is in charge, to where a particular dealer is located. This position requires sitting at the information desk. The ability to be pleasant and helpful, without getting flustered, is important.

#### **SCHOLARSHIP FUND PRIZE DRAWING - NOVEMBER 17<sup>th</sup> and 18<sup>th</sup>**

Two people per 2-hour time slot are needed. Responsibilities include encouraging people to purchase tickets for the prize drawing of the many items available. It is extremely important to be friendly, inviting, cheerful, and encouraging without being insistent. This position requires some standing. The main objective is to point out the items that may be won with only a \$1.00 ticket.

## **DEMONSTRATIONS- NOVEMBER 17<sup>th</sup> and 18<sup>th</sup>**

People are needed to demonstrate their skills during each 2-hour time slot. The area is large enough for several demonstrators to present simultaneously. This is the opportunity to greet the public and show-off by participating in beading, stained glass, wire wrapping, chain making, or any other lapidary skills. If you are interested in volunteering to demonstrate at the show, please contact demonstration coordinator Kelly Azor-Anderson at 561-635-7619.

## **LUNCH ON SET-UP DAY - NOVEMBER 16<sup>th</sup>**

Lunch will be served to the dealers, society members, and fairgrounds workers on Friday, set-up day. We need someone who will shop for the supplies (we have a list - sandwich makings, drinks, salad, plates, utensils, donuts, coffee, etc.) Everyone makes their own sandwiches. You would be advanced funds for shopping. Serving is buffet style. We need a couple of volunteers there to oversee the buffet between 9am and 5pm - 2 hour shifts.

## **MINING / FOSSIL DIG/ GEODE CRACKING/SPINNING WHEEL GAME - NOVEMBER 17<sup>th</sup> and 18<sup>th</sup>**

We need the following people *for each 2-hour time slot* to run the mining area effectively. Duties include:

- 2 people working together to collect money and use an iPad for credit card payments, enter inventory on an iPad and give out tickets
- 1 person to crack geodes
- 1 person for working the Spin-the-Wheel game and for keeping the table stocked with prizes. The game involves a table marked with squares that correspond to numbers on the wheel. The player wins the prize in the square matching the number on the wheel.
- 1 person to identify fossils and gemstones at the flume area. Volunteers will be briefed on what fossils and gemstones are available in the dig and mine. There will be cards available with fossil samples and rough gemstone samples to aid in identification if participants request the information.
- 1 person to help visitors select geodes.
- 1 person to fill bucket bags and fill buckets as needed.
- 1 person to keep the flume running smoothly, moving used gravel, handing out screens, etc.

*This is a very active area and these volunteer positions, with few exceptions, are not sedentary positions.*

Please remember, if you commit to an assigned position, please perform those duties *unless asked to temporarily work in in an extra busy area.*

If you really want your choice of positions, remember to contact us early, it is first come first serve.

## 2018 ANNUAL SHOW VOLUNTEER SIGN-UP FORM

The form can be turned in to any of the persons listed below, in whichever manner is easiest for you. Turn the form in at any upcoming Membership meeting, email, phone, or mail.

By email or phone:	Dianna Ray 561-707-6753 countrycutie29@aol.com	Walt Triche 561-628-1031 wtriche@gmail.com	Lee Miller 561-329-8872 wilfredl2244@yahoo.com
By mail:	GMSPB Volunteers PO Box 18095 West Palm Beach, FL 33416-8095		

**Name:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Best time to call:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Positions interested in:** \_\_\_\_\_

(use additional sheet if necessary)

**Please circle the shifts for which you are available:**

<b>Thursday, Nov. 15 (set-up)</b>	<b>9-11am</b>	<b>11am-1pm</b>	<b>1-3pm</b>	<b>3-5pm</b>
<b>Friday, Nov. 16 (set-up, lunch)</b>	<b>9-11am</b>	<b>11am-1pm</b>	<b>1-3pm</b>	<b>3-5pm</b>
<b>Saturday, Nov. 17</b>	<b>9-11am</b>	<b>11am-1pm</b>	<b>1-3pm</b>	<b>3-6pm (3 hours)</b>
<b>Sunday, Nov. 18</b>	<b>10 - Noon</b>	<b>Noon - 2pm</b>	<b>2 - 5pm (3 hours)</b>	<b>5 - ?pm (take down)</b>

## SHOP TALK

### Open Shop Schedule

Open shop is available for members use only, but visitors are welcome to stop by during open shop hours. Open shop fees are \$5.00 for the first 3 hours and \$7.00 for time over three hours.



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 Susan Cairl @ 561-293-1298.

#### Open Shop Hours:

Mondays 10:30am - 5:00pm, Samantha Lazzaro, Shop Steward - 631-764-6556  
Tuesdays Evenings by Appointment - Laura Simmons, Shop Steward - 407-234-0444  
Thursdays 12:30pm - 3:30pm, Dennis Rietwyk, Shop Steward - 561-255-0292  
Fridays 6:00pm - 9:00pm, Susan Cairl, Shop Steward - 561-293-1298

“Stuff Happens” so please call first to verify the shop will be open as scheduled. If the assigned shop steward cannot be reached, call Susan Cairl, Head Steward, to confirm.

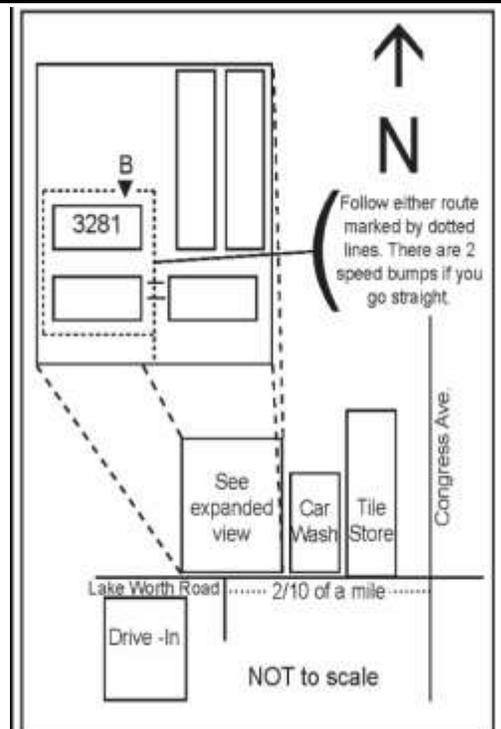
### Shop Report

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 call Samantha Lazzaro.

At the present time, kiln use is limited to Monday Open Shop Hours. For beginning silversmith classes, please call Laura Simmons. Additional classes will be announced as they become available. When visiting the shop please know:

- ◆ 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
- ◆ Drinks and food are permitted in the outer room only
- ◆ There is no fee to use the library or reference videos available in the shop

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





Sun	Mon	Tue	Wed	Thu	Fri	Sat
						<b>1</b>
<b>2</b>	<b>3</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>4</b>	<b>5</b> <b>BOARD MEETING</b> 7:30 PM	<b>6</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>7</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>8</b>
<b>9</b>	<b>10</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>11</b>	<b>12</b>	<b>13</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>14</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>15</b>
<b>16</b>	<b>17</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>18</b>	<b>19</b>	<b>20</b> Open Shop** 12:30-3:30 PM <b>MEMBERSHIP MEETING</b> 7:30 PM	<b>21</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>22</b> <b>FAMILY FUN DAY</b> 12 Noon - 5 PM See Page 6
<b>23</b>	<b>24</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>25</b>	<b>26</b>	<b>27</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>28</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>29</b>
<b>30</b>	Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359					

**CALL BEFORE GOING TO OPEN SHOP!!**

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Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<b>1</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>2</b>	<b>3</b> BOARD MEETING 7:30 PM	<b>4</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>5</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>6</b>
<b>7</b> TY PARK PICNIC 10 AM-4 PM See Page 4	<b>8</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>9</b>	<b>10</b>	<b>11</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>12</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>13</b>
<b>14</b>	<b>15</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>16</b>	<b>17</b>	<b>18</b> Open Shop** 12:30-3:30 PM MEMBERSHIP MEETING 7:30 PM	<b>19</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>20</b>
<b>21</b>	<b>22</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>23</b>	<b>24</b>	<b>25</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>26</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>27</b>
<b>28</b>	<b>29</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>30</b>	<b>31</b> 			

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## 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	Susan Cairl 561/293-1298	\$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 Fan Bracelet Class	Debi Kachman 561/568-8736	\$30 + \$20-50 materials fee (depending on metal) OR supply list can be provided	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.

## 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 - \$5

Over 3 hours shop time - \$7

SEE CALENDAR FOR OPEN SHOPS

### SHOP STEWARDS

Head Shop Steward:

Susan Cairl 561/293-1298

Laura Simmons 407/234-0444

Dennis Rietwyk 561/255-0292

Samantha Lazzaro 561/372-2359

Shop Phone:

561/585-2080

### 2018 OFFICERS

President*	Lee Miller	561/389-8584
1st Vice President*	Barbara Ringhiser	561/379-4307
2nd Vice President*	Jennifer Martin	561/281-5466
Secretary*	Lorna Hayes	561/389-8584
Treasurer*	Jenny Wright	561/634-1427

### 2018 DIRECTORS

Head Shop Steward*	Susan Cairl	561/293-1298
Membership*	Jennifer McIntyre	863/414-1240
Newsletter Editor*	Laura Phillips	561/523-3594
Member-at-Large*	Lo Rain Dudley	561/827-5793
Show Chairman*	Walter Triche	561/628-1031
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	Jennifer Martin	561/281-5466
Raffle Coordinator	Lo Rain Dudley	561/827-5793
Refreshments	Arlene Lazzaro	516/810-3495
Sunshine Committee	Lo Rain Dudley	561/827-5793
Social Events	Debi Kachman	561/793-6777
Webmaster	Richard Tracey	561/318-6891

\*Denotes a Voting Member of the Executive Committee.

### WEBSITE

[www.gemandmineralsociety.org](http://www.gemandmineralsociety.org)

### Club Email Addresses

[membership@gmspb.org](mailto:membership@gmspb.org)

[newsletter@gmspb.org](mailto:newsletter@gmspb.org)

[president@gmspb.org](mailto:president@gmspb.org)

[show@gmspb.org](mailto:show@gmspb.org)

[vendorinfo@gmspb.org](mailto:vendorinfo@gmspb.org)

[webmaster@gmspb.org](mailto:webmaster@gmspb.org)

Link to our [smile.amazon.com](https://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.

Send comments or submissions to [newsletter@gemandmineralsociety.org](mailto:newsletter@gemandmineralsociety.org)

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