



# The Rockhound

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

[www.gemandmineralsociety.org](http://www.gemandmineralsociety.org)  
September 2019 Volume 52 Issue 11

## President's Message

Greetings, Rockhounds!

It seems like I'm always talking about hurricanes in September! Luckily for us, our most recent visitor decided to breeze on by. Storms aren't the only thing spinning up around here, though - it's almost Fall, and our busy season!

Before I get to talking about all the things we have coming up, I have a request: if you have any photos of Club activities, old or new, please let us know! If you have them stored electronically, you can email them to me at [president@gmspb.org](mailto:president@gmspb.org), or to our webmaster, Richard Tracey, at [webmaster@gmspb.org](mailto:webmaster@gmspb.org). If you have physical photos you are willing to share, please bring them to a meeting - we will scan them and return them to you as soon as possible. Thank you!

Our Show is coming up, November 23rd and 24th - we will also need volunteers for setup on November 21st and 22nd, so please save these dates! Volunteer forms and additional information can be found in this issue. Also, the St. Lucie County Rock & Gem Club is hosting their show October 26th and 27th, at the Port St. Lucie Civic Center - this is a bigger and better venue for them, and they are very excited about the opportunities it holds. They have proposed a "volunteer swap" with us - if we send some of our members to help with their show, they will send some of their members to help us with our show! So if you are available the weekend of October 26th and 27th, want to check out their show, and have a few hours to volunteer, please contact Dianna Ray at 561-707-6753.

Our Nominating Committee is actively recruiting a candidate for 2020's Second Vice President. If you are interested in this, or any of our elected positions, please get in touch with Arlene Lazzaro, as she is heading up this effort. We would like to have the slate together before the Show, because...

...Hot off the presses, official announcements regarding date changes for December! As always, we move up our December general meeting to accommodate our election process, and Installation of Officers at our Holiday Banquet. This year, our December meeting, and Officer Elections, will be held on Tuesday, December 3rd, at our usual meeting location and time (the Science Center's Multi-Purpose Center, 7:30 PM). Our Holiday Banquet will be held Saturday, December 7th, also at the Multi-Purpose Center. Further details regarding the banquet will be coming soon!

You All Rock!

— Laura Simmons, President

## Membership Meeting

Thursday, September 19

7:30 PM

4800 Dreher Trail North  
West Palm Beach FL 33405  
at the Multi-Purpose Center

### "Crystallography, Not Such a Mystery"

by member, K C Foster

We will learn how to use basic crystallography in the identification of gemstones and minerals. Most minerals have different, predictable shapes. These shapes can help to determine what minerals they are.



Potluck

**PLEASE BRING  
A TASTY DISH  
TO SHARE!**

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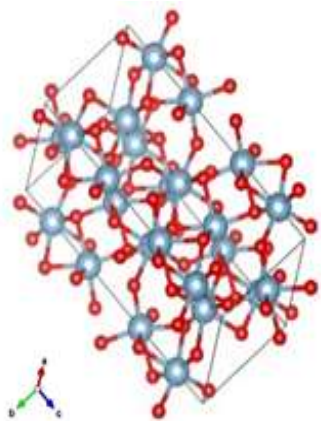
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# September Birthstone: Sapphire

Last year we looked at the history, causes for color and uses for Sapphire both as a gemstone and in industrial uses. It is worth pointing out that sapphire and ruby are both the mineral corundum. Red corundum is ruby and sapphire is any other color corundum including pink. We usually think of sapphire as blue while in fact the color can be purple, yellow, pink, colorless and more. The red in ruby is caused by the impurity chromium and the blue in sapphire is caused by iron and titanium impurities. The drawing to the left shows the atoms in the



crystal structure (Al<sub>2</sub>O<sub>3</sub>, Aluminum is blue/silver and oxygen is red). To make a blue sapphire about 0.01% each of iron and titanium would

replace the aluminum.

The cost of a sapphire can range from \$50 to \$10,000/carats depending on the usual **4 C's**. Sapphire (corundum) is the hardest gemstone

next to diamond so they are very durable. Buying a quality sapphire is not a simple task. The wikihow reference below lists a seven step process to purchase a stone which might be useful.

The attached photo is of the Logan sapphire which is a 423-carat Sapphire in the Smithsonian. It is surrounded by 16 carats of diamonds. This sapphire was mined in Sri Lanka and donated to the Smithsonian in 1960 by Rebecca Logan.



## References

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

<https://www.wixonjewelers.com/education/gemstones/gemstone-guide/#sapphire>

<http://www.webexhibits.org/causesofcolor/8.html>

<https://m.wikihow.com/Buy-Sapphire>

<https://geogallery.si.edu/10002687/logan-sapphire>

– Article compiled by Richard Tracey

# Fused Glass Class

Last month, over two back to back weekends, two groups of members met at the Shop for Samantha Lazzaro's Fused Glass Class. It's a two day class, so Samantha must have been pretty worn out by the end!

We'd love to show you all the pretty things we made, but as it turned out, we were all way too engrossed in creativity to remember to take pictures! However, Samantha had the foresight to take pictures of the setup before classes began.



## 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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## August Program: Alan Meltzer on Banded Agates

Alan is a well-known and celebrated member of the club. He is an avid collector and a wealth of knowledge about gems and minerals. His programs are always favorites with the members! Agates are found world-wide and each deposit has its own special habits and colors. Agates form in any void so it may be in basalt ("amygdules") or in rhyolite balls ("thundereggs") or in tightly packed dirt ("sedimentary agates") or in any other voids like seams, in dinosaur bone and petrified wood or any other fossil! Some of his agates on display are shown below.



## 4Cs OF DIAMOND QUALITY

*From the Gemological Institute of America*



**Beautiful. Rare. Cherished.** Each diamond is unique and is a miracle of time, place and change. And each has specific qualities that establish its value.

Until the middle of the twentieth century, there was no agreed-upon standard by which diamonds could be judged. GIA created the first, and now globally accepted standard for describing diamonds:

**Color, Clarity, Cut and Carat Weight.** Today, the 4Cs of Diamond Quality is the universal method for assessing the quality of any diamond, anywhere in the world. The creation of the Diamond 4Cs meant two very important things: diamond quality could be communicated in a universal language, and diamond customers could now know exactly what they were about to purchase.

### The 4 C's Summary

Cut	Color	Clarity	Carat
Well Cut	Colorless (D, E, F)	Flawless	2 ct
	Near Colorless (G, H, I, J)	Very, Very Slightly Included	1 3/4 ct
Too Shallow	Faint Yellow (K, L, M)	Very Slightly Included	1 1/2 ct
	Very Light Yellow (N, O, P, Q, R)	Slightly Included	1 1/4 ct
Too Deep	Light Yellow (S through Z)	Included <sub>1</sub>	1 ct
		Included <sub>2</sub>	3/4 ct
		Included <sub>3</sub>	1/2 ct
			1/4 ct

Save the Date!!!

## Holiday Banquet

**Saturday, December 7**  
**Multi-Purpose Center**  
**4800 Dreher Trail North**  
**West Palm Beach FL 33405**  
 (This is where we have our monthly meetings.)



*Details to follow in November and December newsletters.*

## Field Trip!

HOGG MINE—LA GRANGE, GA

**Friday, September 13; Saturday, September 14;**  
**Sunday, September 15**

**Dig one, two, or three days - it's up to you!**

**This is a MACHINE DIG that only takes place once a year. The cost is \$150 per day.**



**If you're interested, please contact Shir-Lee at 561/543-1181 or shirleesellsfloridahomes@gmail.com**



Member Highlight:  
**Anthony Leong**

It all started when Anthony was a kid, strolling along the railroad tracks by his home in Baton Rouge, LA, next door to LSU. He began to notice interesting things, sometimes falling off the rail cars, like fossils in limestone, pyrite, and sulphur pieces. In summers, he started hanging out at the geology department at LSU, asking questions, and getting any freebies they offered him.

Inevitably, his hobby went on hold as he dealt with his education, his business, and his home life with his wife April and their two daughters. He did, however, help his daughters start collections of their own, but about four years ago, his passion was rekindled and he began getting serious about being a rockhound. He planned mining expeditions and grew his collection, and joined the GMSPB club about a year and a half ago. He's gone on many mining trips by himself, with his family, and with the club. He is currently filling up his fourth curio cabinet with his "cool finds".

April, Anthony's wife, enjoys doing wirework and making jewelry pieces from his finds. Anthony intends to take the capping course in the future, but right now, his real passion is mining.

Many of Anthony's mining expeditions are chronicled on his YouTube channel. Check it out! Search for "[Crystal Miner Rocks](#)" or just click the link to explore. A few of his favorite finds are shown below. Rock On, Anthony and April!

**Kyanite  
from Graves  
Mountain**



**Pyro-  
phyllite  
from Graves  
Mountain**



**Skeletal  
Milky  
Quartz  
from  
Diamond  
Hill**



**Double  
terminated  
Smoky  
Amethyst in  
druzy from  
Diamond  
Hill**

## Crystal Faces: Lazard Cahn (1865 - 1940)

Lazard Cahn (picture from Mineralogical Record website) was born in St. Joseph, Missouri. When he was old enough to go to school, his family moved to New York City. When he was 15 years old (in 1880) he traveled to Stuttgart, Germany, where he went to school for a while. Eventually he moved back to the United States, this time to Colorado. He became an active



mineral collector, a hobby into which he invested a lot of time, money and energy. He had a special interest in the forms of minerals and crystals. For a time he studied in Heidelberg, Germany with the very famous crystallographer, Victor Goldschmidt. One of his collecting specialties was micromounts. These are crystals that are so small that a microscope is needed to see them. Even though they are extremely small, they are often nearly perfect in form. He was so interested in minerals that he eventually began a business of selling mineral specimens. He was also an expert in minerals and crystals and taught many students about these subjects. In 1927 a new mineral was named in his honor. It is called cahnite. Cahnite is a white to colorless mineral. It crystallizes in the tetragonal system and has a hardness of 3. It is found as microscopic crystals. He died in 1940. His grave is marked by a huge piece of granite that was cut into the shape of a twinned cahnite crystal. This unique grave stone (pictured right, from [www.findagrave.com](http://www.findagrave.com))

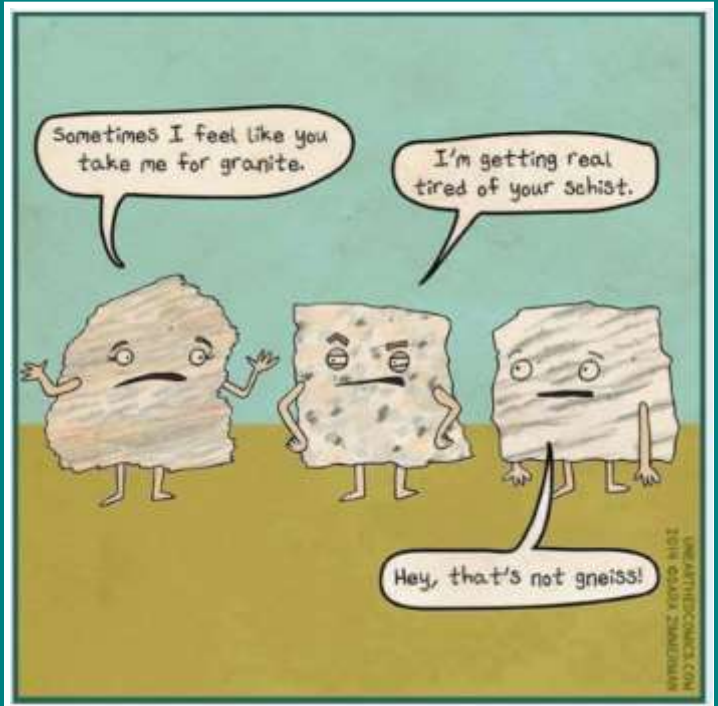
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Lee Bolaro  
Elaine Durow  
Bob Goff  
Jeanine Lamanette  
Lee Miller  
Daniel Pecoraro  
Debra Picow  
**Michelle Renee**  
Barbara Ringhiser  
Catherine Wingate

***Eventually you reach a point when you stop lying about your age and start bragging about it.***

***- Will Rogers***



# Pyrite: Interesting Facts About Fool's Gold

Read more at <http://www.geologyin.com/2019/09/pyrite-interesting-facts-about-fools.html#wQxFGcvbLmkMOVfS.99>

Pyrite is an iron sulfide with the chemical formula FeS<sub>2</sub> (iron(II) disulfide). Pyrite is considered the most common of the sulfide minerals.



*Pyritized ammonite. From Saratov Russia. Upper Callovian (around 162 million years). Photo: Leah Luten*

Pyrite is sometimes called Fools Gold because of its similarity in color and shape to Gold. In the old mining days, Pyrite was sometimes mistaken for Gold, as they frequently occur together.

Pyrite occurs in numerous shapes and habits. The smaller crystal aggregates may give off a beautiful glistening effect in light, and the larger crystals may be perfectly formed, including fascinating cubes, penetration twins, and other interesting crystal forms.



*Pyritized ammonite. From Saratov Russia. Upper Callovian (around 162 million years). Photo: Leah Luten*

Pyrite has the same chemical formula as the rarer mineral Marcasite, but it crystallizes in a different crystal system, thereby classifying it as a separate mineral species.

Pyrite is usually found associated with other sulfides or oxides in quartz veins, sedimentary rock, and metamorphic rock, as well as in coal beds and as a replacement mineral in fossils, but has also been identified in the sclerites of scaly-foot gastropods.

Despite being nicknamed fool's gold, pyrite is sometimes found in association with small quantities of gold.



*Large Size Natural Pyritized Ammonite Fossils from Russia. Their Chambers are filled with druzy Pyrite!! Photo credit: Daniel Virgadaula*

Pyrite is quite easy to distinguish from gold: pyrite is much lighter, but harder than gold and cannot be scratched with a fingernail or pocket knife.

Pyritization: Organisms may become pyritized when they are in marine sediments saturated with iron sulfides. As organic matter decays it releases sulfide which reacts with dissolved iron in the surrounding waters. Pyrite replaces carbonate shell material due to an undersaturation of carbonate in the surrounding waters.

- from geologyin.com



## Want to Learn Beadweaving?

Watch live, interactive lessons on your computer and learn to make great beaded jewelry. This is a new venture by a new club member, Debbie Griffith-Brown, and lessons are always free for Amazon Prime members. If you don't have Amazon Prime, no worries, for now the lessons are free, and will only be \$4.99/month in the future (there will always be a FREE version). For each project, you may either use your own supplies, or order a kit in advance. Materials lists are available in advance. Lessons are taught via Microsoft's streaming service Twitch.



**MONTHLY SCHEDULE:**  
Mondays, 7 pm EST  
Tuesdays, 1 pm EST  
Saturdays, 1st and 3rd



### How to Sign Up:

1. From your computer (not phone), go to **Twitch.TV** and register for a FREE account.
2. Search for SouthernBeadz and "Heart" it. (Note the Z in the name!)
3. If you have Amazon Prime, sign up for **Twitch Prime** at no extra charge. Your lessons will be free, as this is a Prime perk.
4. Click the bell icon to get notifications for upcoming lessons.
5. Click **EVENTS** for upcoming classes. Materials lists and information on ordering kits will be posted here.

### Southern Beadz Facebook Page

<https://www.facebook.com/SouthernBeadz/>

### Southern Beadz Facebook Store

[https://www.facebook.com/pg/SouthernBeadz/photos/?tab=albums&ref=page\\_internal](https://www.facebook.com/pg/SouthernBeadz/photos/?tab=albums&ref=page_internal)

### Questions?

debbie@southernbeadz.com  
or laurajeaphillips@gmail.com  
or Laura at 561/523-3594

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

Sunday, September 29, 2019 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.*



## Volunteer Swap with Port Saint Lucie Club

The Port Saint Lucie Club has offered to send us volunteers to help with our Annual Show in November, in exchange for some volunteers from our club helping at their Annual Show in October. Great idea, right? We can always use the help!

Information on the Saint Lucie show is directly below. If you think you can help with their show, please contact Dianna Ray at [countrycutie29@aol.com](mailto:countrycutie29@aol.com) or call or text 561/707-6753.

## Kiddy Korner

This is a new feature for our 2019 Show in November. Shir-Lee Rosenberg is putting together a fun area for the kids near the gem mine. There will be several stations with interactive activities. If you're child-oriented, outgoing, patient, and able to keep up with the kids, consider volunteering in this area!

Shir-Lee is in need of donations of permanent markers for Kiddy Korner. If you have some to spare or could buy some to donate, she would be grateful!



### 43rd ANNUAL Handcrafted Fine Jewelry, Rock, and Gem Show

Saturday, October 26

9:00 AM – 5:00 PM

Sunday, October 27

10:00 AM – 4:00 PM

at the

Port St. Lucie Civic Center

Buy tickets online for \$5.00 ([www.Etix.com](http://www.Etix.com))  
or at the Civic Center Box Office for \$6.00 (772-807-4488)

- ◆ Custom-designed, Handcrafted Jewelry ◆
- ◆ Gemstones ◆ Beads ◆ Rocks ◆ Minerals ◆ Slabs ◆
- ◆ Gold & Silver Buyer On Site ◆
- ◆ Demonstrations ◆ Raffles ◆ Kids Corner ◆



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Is proud to present our

53<sup>rd</sup> ANNUAL

Gem, Mineral, Jewelry,  
Bead and Fossil Show

Featuring special exhibits, speakers & prize drawings!

November 23—24, 2019

South Fl. Fairgrounds/ Expo Center East  
9067 Southern Blvd. / West Palm Beach, FL 33411

ADULTS \$9  
2-DAY PASS \$14  
CHILDREN  
UNDER 12 FREE

Saturday 9AM to 6PM  
Sunday 10AM to 5PM

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## Massive, 1,100-Pound Dinosaur Bone Unearthed in France

Read more at <http://www.geologyin.com/2019/07/massive-1100-pound-dinosaur-bone.html#RzPXSyoUCrDQHDGU.99>

The femur of a giant dinosaur was found this week by French paleontologists at an excavation site in southwest France where, since 2010, remains of some of the largest animals ever to live on land have been excavated.



The thigh bone of a giant dinosaur was found this week by French paleontologists at an excavation site in southwestern France where remains of some of the largest animals that ever lived on land have been dug up since 2010.

The two-meter long femur at the Angeac-Charente site is thought to have belonged to a sauropod, herbivorous dinosaurs with long necks and tails which were widespread in the late Jurassic era, over 140 million years ago.

“This is a major discovery,” Ronan Allain, a paleontologist at the National History Museum of Paris told Reuters. “I was especially amazed by the state of preservation of that femur.”

“These are animals that probably weighed 40 to 50 tonnes.”

Allain said scientists at the site near the city of Cognac have found more than 7,500 fossils of more than 40 different species since 2010, making it one of the largest such finds in Europe.

The scientists believe that the bones are from a sauropod, which are the largest herbivorous dinosaurs and first appeared in the late Triassic Period.

These reptiles were the largest of all dinosaurs and the largest land animals that have ever lived, they had a small head on a long neck and a very long tail.

Scientists believe they would spend their time wallowing in shallow water that would help support their bodies.

The dinosaur bone was found covered in clay by volunteers from the National Museum of Natural History.

*-from geologyin.com*

## UPCOMING EVENTS

September 14-15, Pompano Beach, FL: **INTERGALACTIC BEAD SHOW.** 10-5 both days. Emma Lou Olson Civic Center, 1801 NE 6th St, Pompano Beach, FL.

October 11-13, Huntsville, AL: **HUNTSVILLE GEM & MINERAL SOCIETY ANNUAL SHOW.** Minerals, crystals, jewelry, lapidary, rock-hunting supplies and more. Displays, demonstrations, mining room for children, fluorescent room, and hourly drawings. Fri & Sat 10-6, Sun 12-5. Jaycee Community Building, 2180 Airport Rd SW, Huntsville AL.

October 26-27, Port St Lucie, FL: **43rd ANNUAL GEM & MINERAL SHOW.** Handcrafted jewelry, gemstones, beads, rocks, minerals, slabs, demonstrations, raffles, kids corner. Sat 9-5; Sun 10-4. \$5 online at [www.etix.com](http://www.etix.com) or \$6 at the box office. Port St Lucie Civic Center, Port St Lucie, FL.

November 2-3, Tampa, FL: **60th ANNUAL GEM & MINERAL SHOW.** 10-5 both days. Plant City Strawberry Festival, Expo Hall, 303 N Lemon St, Tampa, FL. [www.tampabayrockclub.com](http://www.tampabayrockclub.com)

Looking to travel to one of the top gem and mineral shows in the USA? Check out the list here: [http://www.geologyin.com/p/with-literally-hundreds-of-places.html?fbclid=IwAR2zclomNwYZ8VKpYZ-hEn\\_OORxz2gxau0VV3YwuiaDwjzKxMOx8NOYGO#bcTfcb7ksLdJi1q](http://www.geologyin.com/p/with-literally-hundreds-of-places.html?fbclid=IwAR2zclomNwYZ8VKpYZ-hEn_OORxz2gxau0VV3YwuiaDwjzKxMOx8NOYGO#bcTfcb7ksLdJi1q)

## VOLUNTEER TIME FOR THE ANNUAL SHOW!!!

November 23rd and 24th, the weekend of our annual show, will be here before we know it!! Our 53rd!!! 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 2019 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 21st**

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 22nd and 24th**

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 23rd and 24th**

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 23rd and 24th**

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 23rd and 24th**

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

**SHOW SECURITY - NOVEMBER 23rd and 24th**

Two to four people are needed for each 2-hour time slot. Responsibilities are to observe people, watch for those acting in a disorderly manner (for example, drunk, smoking, or shoplifting), and report it to Show Chairman, Committee

Chairperson, Fairgrounds Security, or Armed Security. Show Security guards should NEVER confront or accuse anyone. They ONLY report the incident. Greeting the public in a friendly manner is also important. This position requires walking around or standing. PLEASE DO NOT SHOP OR SIT DOWN AND EAT DURING YOUR SHIFT.

**DEMONSTRATIONS- NOVEMBER 23rd and 24th**

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 22nd**

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 / GEODE CRACKING/SPINNING WHEEL GAME/NEW—KIDDIE KORNER**

NOVEMBER 23rd and 24th

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 gemstones at the flume area. Volunteers will be briefed on what gemstones are available in the mine. There will be cards available with 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.

3 people to man the 3 stations for children of all ages. There will be a face painter in this area. Activities include a cornhole game, activities about dinosaurs, and a raffle. Requirements for volunteers include being child-oriented, interactive, very patient, and able to be physically active (not sitting)

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 an extra busy area.

# VOLUNTEER FORM

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

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.

**Dianna Ray**  
561-707-6753  
countrycutie29@aol.com

**Walt Triche**  
561-628-1031  
wtriche@gmail.com

**Barbara Ringhiser**  
561-379-4307  
bar5678@aol.com

By mail:  
GMSPB Volunteers  
PO Box 18095  
West Palm Beach, FL 33416-8095

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Best time to call: \_\_\_\_\_ Email: \_\_\_\_\_

Positions interested in:

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(use additional sheet if necessary)

Please circle the shifts for which you are available:

**Friday, Nov. 22 (set-up, lunch)**

9-11am

11am-1pm

1-3pm

3-5pm

**Saturday, Nov. 23**

9-11am

11am-1pm

1-3pm

3-6pm (3 hours)

**Sunday, Nov. 24**

10 - Noon

Noon - 2pm

2 - 5pm (3 hours)

5 - ?pm (take down)



Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>1</b>	<b>2</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>3</b>	<b>4</b> <b>BOARD MEETING</b> 7:00 PM	<b>5</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>6</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>7</b>
<b>8</b>	<b>9</b> Open Shop** 10:30AM - 5 PM <b>SHOW COMMITTEE MEETING</b> 7:30 PM	<b>10</b>	<b>11</b>	<b>12</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>13</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>14</b>
<b>15</b>	<b>16</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>17</b>	<b>18</b>	<b>19</b> Open Shop** 12:30-3:30 PM <b>MEMBERSHIP MEETING</b> 7:30 PM	<b>20</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>21</b>
<b>22</b>	<b>23</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>24</b>	<b>25</b>	<b>26</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>27</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>28</b>
<b>29</b> <b>TY PARK PICNIC</b>	<b>30</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359					

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

Always call the shop steward before going to the shop.  
 Open shop sessions may be cancelled or changed due to scheduling conflicts.  
 If the assigned shop steward cannot be reached, call Susan Cairl, Head Shop Steward, to arrange for open shop.

# October

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		<b>1</b>	<b>2</b> BOARD MEETING 7:00 PM	<b>3</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>4</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>5</b>
<b>6</b>	<b>7</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>8</b>	<b>9</b>	<b>10</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>11</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>12</b>
<b>13</b>	<b>14</b> Open Shop** 10:30AM - 5 PM SHOW COMMITTEE MEETING 7:30 PM	<b>15</b>	<b>16</b>	<b>17</b> Open Shop** 12:30-3:30 PM General Work MEMBERSHIP MEETING 7:30 PM	<b>18</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>19</b> ST LUCIE GEM SHOW
<b>20</b> ST LUCIE GEM SHOW	<b>21</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>22</b>	<b>23</b>	<b>24</b> Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	<b>25</b> Open Shop** 6-9 PM General Work Susan 561/293-1298	<b>26</b>
<b>27</b>	<b>28</b> Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	<b>29</b>	<b>30</b>	<b>31</b> Open Shop** 12:30-3:30 PM 		

## CALL BEFORE GOING TO OPEN SHOP!!

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 If the assigned shop steward cannot be reached, call Susan Cairl, Head Shop Steward, to arrange for open shop.



# 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.

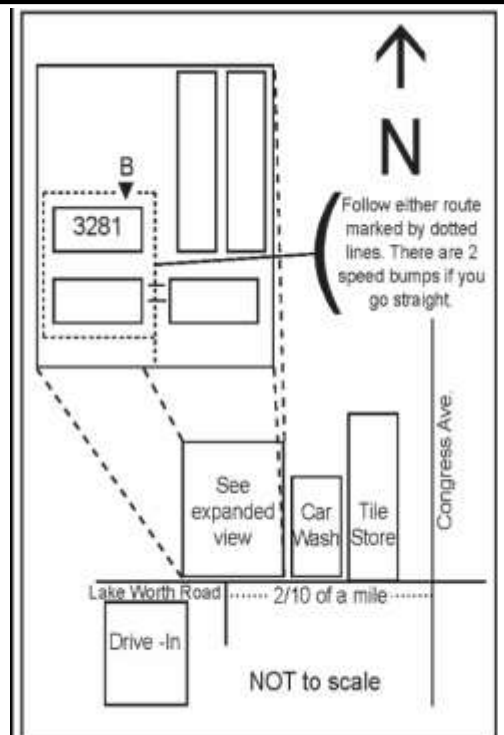
## Shop Report

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



## 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

### 2019 OFFICERS

President*	Laura Simmons	407/234-0444
1st Vice President*	Dianna Ray	561/707-6753
2nd Vice President*	Barbara Ringhiser	561/379-4307
Secretary*	Clara Pflueger	201/566-6492
Treasurer*	Jenny Wright	561/634-1427

### 2019 DIRECTORS

Head Shop Steward*	Susan Cairl	561/293-1298
Membership*	David Taylor	561/644-1888
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	Barbara Ringhiser	561/379-4307
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) or [www.gmspb.org](http://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](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 [laurajeaphillips@gmail.com](mailto:laurajeaphillips@gmail.com)