



The Rockhound

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

www.gemandmineralsociety.org
August 2018 Volume 51 Issue 11

President's Message

Hello Fellow Rockhounds!

We are moving right on through the summer now and fall is just around the corner. Members will be coming back from whatever adventures they were pursuing and I for one would like to hear all about it. If you had a recent vacation experience related to rockhounding in any way, please think about sharing your story at one of our monthly meetings. Maybe your trip will end up on someone else's bucket list!

During the summer months our club board meetings are suspended so there isn't much to pass on, but there are activities still ongoing. The shop is open during the week and I recently met new members taking the cabochon class given by Susan Cairl. During Susan's classes she teaches shop safety and how to achieve your stone cutting projects without doing harm to yourself, your fellow lapidaries, or the stone you are working on. It is sometimes easy to forget that it is easier to wear those clear goggles than to have a stone shard removed from your eye. And it is a lot less expensive. I was recently reminded that when working with blue stones such as chrysocolla, turquoise, or malachite that I should be wearing my face mask because of the hazardous materials in the stone mist during grinding. So, enjoy the shop and practice the safety procedures we've all been taught.

I look forward to seeing all of you at the next general membership meeting on August 16th. Also remember the next TY Park picnic is coming up October 7th. Preparations for the 2018 show are going on right now so if you would like to participate please contact Walter Triche, our show chairman or sign up at the general meeting.

— Lee Miller, President

Membership Meeting

Thursday, August 16
at 7:30 pm

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

August Program: John Speier

John Speier is from the Miami Mineral and Lapidary Guild. He has made presentations to our club in the past about the treasures that he's found in North Carolina and Montana, and participates in our show every year by entering six display cases. What is John's program for our August meeting?

You'll have to
join us on
Thursday to
find out!



Junior Rockhounds

This month our Junior Rockhounds join the adults for John Speier's presentation.





Birthstone: Peridot



Peridot has been known since ancient times. Cleopatra had a famous emerald collection which many historians believe was actually peridot. Peridot is a gemstone that occurs in only one color – olive green but the shade does vary from stone to stone.

Peridot is formed in the mantle and carried to the surface like diamond. Peridot is a member of the olivine family. Olivine is a mixture of varying proportions of magnesium



orthosilicate (Mg_2SiO_4) and iron orthosilicate (Fe_2SiO_4). Peridot generally contains 12-15% iron. Magnesium orthosilicate is the mineral forsterite and iron orthosilicate is the mineral fayalite.

Birthstone: Sardonyx

Sardonyx is often confused with sard, carnelian, onyx and agate all of which are microcrystalline silica. In the past sardonyx was popular for carving cameos. In modern times it is used for cabochons. Sardonyx has a brown base with lighter or white bands. Sardonyx is a mixture of two different types of silica called



polymorphs. Silica forms a number of different polymorphs which consist of different crystal structures of the silica. Sardonyx is a mixture of quartz and moganite silicas.



Birthstone: Spinel

The third August birthstone is spinel which is a gemstone that has been confused with ruby and sapphire for 1000 years. Spinel comes in the same colors as rubies and sapphires and occurs in the same type of geological deposits as rubies and sapphires. A 352.5-carat bright red spinel is part of the crown jewels of the United Kingdom from the time of queen Victoria

and was of course believed to be a ruby.



Today gemologists can tell the difference. Ruby and sapphire are

made of corundum (Al_2O_3) while spinel is magnesium aluminum oxide ($MgAl_2O_4$). The different mineral systems have different crystal systems, hardness and optical properties. Gem-quality red and blue spinels are much rarer than rubies and sapphires of equal quality but are still much cheaper in price.

References:

- https://en.wikipedia.org/wiki/Main_Page
- <https://www.gia.edu/peridot>
- [gemselect.com](https://www.gemselect.com)
- <https://geology.com/minerals/spinel.shtml>

-Article compiled by Richard Tracey



Sunshine News

Condolences

Deb Slutzky on the loss of your mother.

Gem Mountain in Spruce Pine, NC on the loss of Charles Buchanan.

Get Well

Eileen Reingold

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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- Debbie Sorrell*
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- George Thomas*
- Walter Triche*
- Janet Vodvarka*



They say that age is really all in the mind. The key is to prevent it from trickling down into your body!

De Beers admits defeat over man-made diamonds

by Ivana Kottasová [@ivanakottasova](#)

The world's largest diamond miner is doing the unthinkable: Selling stones produced in a laboratory.

De Beers launched a new jewelry brand on Tuesday that features synthetic diamonds, a major reversal for a company that had implored consumers to stick with "real" stones. The brand, called Lightbox, will offer synthetic diamonds at a fraction of the price it charges for stones pulled out of the earth. De Beers framed the move as a response to consumer demands.

"Lightbox will transform the lab-grown diamond sector by offering consumers a lab-grown product they have told us they want but aren't getting: affordable fashion jewelry that may not be forever, but is perfect for right now," said De Beers CEO Bruce Cleaver.

Jewelry from the brand will go on sale in September. De Beers said prices will start at \$200 for a quarter carat, and increase to \$800 for a full carat stone. The company's natural stones start at roughly 10 times that amount, depending on their clarity and other attributes.

De Beers had been an outspoken critic of synthetic diamonds. Company executives vowed never to sell artificial stones, and it participated in the diamond industry's "real is rare" campaign. It even developed a machine that spots lab-grown stones.

"De Beers' focus is on natural diamonds," Simon Lawson, the current head of research and development at De Beers, told Bloomberg in 2015. "We would not do anything that would cannibalize that industry."

Synthetic diamonds, which can be produced in about 500 hours, share the same physical, chemical and optical characteristics as natural stones. But they are not nearly as valuable.

De Beers has produced synthetic diamonds for years through a subsidiary called Element Six, but it has limited their use to industrial applications.

The new synthetic diamonds will come in pink, blue and white, and the stones will contain a tiny Lightbox logo. De Beers said the logo won't be visible to the naked eye, but it will make the stones easily identifiable as lab-grown.

De Beers said it would invest \$94 million over four years to build a new synthetic diamond production facility near Portland, Oregon.

CNNMoney (London) First published May 29, 2018: 9:59 AM ET



Member Highlight:

Don Chenoweth

Long-time members of the club will remember our past president, Don Chenoweth, and his late wife Ruth. They have been members since the 1990s, and Don was president in 1996 and 2001. Don and Ruth became interested in gems and minerals when they moved from Maryland to Florida and started combing the beach with a metal detector. Then they heard about our club and decided to get involved.

Don and Ruth were active with the club for many years, taking classes and going on field trips. They particularly loved the digs, and took their own trips to interesting places to collect gem and mineral specimens. One of those places was Herkimer, NY, where they found a particularly impressive Herkimer diamond!

Club activities kept them involved for years, and Don recalls having a lot of fun with them. They took classes at the shop, went on club trips, worked at the annual show, and took classes at William Holland. They eventually moved away from our area to the gulf coast, but Don says he misses the club a lot, and hopes to get down here for our show this November.

We look forward to seeing you again soon, Don!

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.*

Wildacres Workshop

August 20-26, 2018

<http://sfmsworkshops.com/>

Tuition \$395

Full descriptions of class and instructors on website



Casting - Bill Harr

This class will teach silver casting for beginner and intermediate silversmithing. The emphasis will be on production centrifugal casting, meaning techniques for high reliability. The class will teach centrifugal and vacuum casting, wax modeling, sprueing, investing, burnout, casting, finishing and polishing, rubber mold making and wax injection. Steam casting will be covered if there is interest.

Lab Fee: US\$100 Estimated Materials Cost: US\$100-wow



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



Introduction to Gem ID - Teresa Polly

The course will be an Introduction to Gem ID. We will cover how to use a microscope, loupe, refractometer, polariscope, dicroscope, spectroscope and specific gravity set up to help identify stones. We will start with basic mineral identification. We will cover typical stone inclusions and how to tell natural stones from lab created stones. If you have stones you would like to ID we can work on those for show and tell. The class fee is \$10.00.

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Metal Clay - Judi Talley

Judi will introduce you to the fascinating medium of metal clay and demonstrate how every day moments in nature can be captured permanently in metal. While all levels of metal clay interest is welcome, I will be concentrating on capturing natural forms. Using gathered plant materials, we will make one fine-silver pendant, then expand into the alloy clays of bronze and brass, to experience the differences between working with different alloys. Class Fee \$75



Metalwork Special Projects - Jeff Sheer

After taking one of the excellent beginning classes the Federation offers most people want to learn more but might not be sure what direction to go in. Most have a few unfinished projects in their tool box that need a technique or two in order to finish them. Finishing these pieces or starting something from scratch is where this class comes in. Jeff will not tell you what to make. He prefers you to tell him what you want to make and where you are stumped. Class Fee: \$55



Silver I - Morning Sherrod

In this class the students will be taught the fundamental skills needed for them to advance in the wonderful world of silver jewelry making. You will learn proper sawing technique, torch soldering, flex shaft usage. Projects will be rings, pendants, and bracelets. Lab fees cover the cost of instructor provided tools, expendables and materials included in the 3 project kits. Additional materials and silver will be available for purchase. Lab Fee: \$125.00 Materials Cost: \$50-\$200



Wire - Rowan Rose-Morgan

Students will enjoy a fun-filled week while learning the techniques and skills necessary to make their own wire wrapped jewelry. All that will be necessary to become a good wire artist after the class is over will be practice, practice, practice. Students will be making bracelets, pendants, rings, earrings, and other project as time allows using mostly square half-hard wire. Tools kits will be available for use in class. Lab Fee: \$30 Estimated Materials Cost: US\$100-\$200



Gem Trees - Jerri Heer

This class will start with the basic skills of gem tree making, and graduate to an exploration of multiple styles and advanced design of truly beautiful and species specific trees. We will discuss and study a variety of construction methods, as well as how to plan and create our own patterns. Lab fee includes wire, leaf stones, bases and materials to make at least one small basic tree, one medium tree and one large tree. All instructions, patterns and tools will be included.

Lab Fee: US \$80 Estimated Materials Cost: US \$0-150

Wildacres September Workshop

September 17-23, 2017

<http://sfmsworkshops.com/>

Tuition \$395

Full descriptions of class and instructors on website



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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

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.

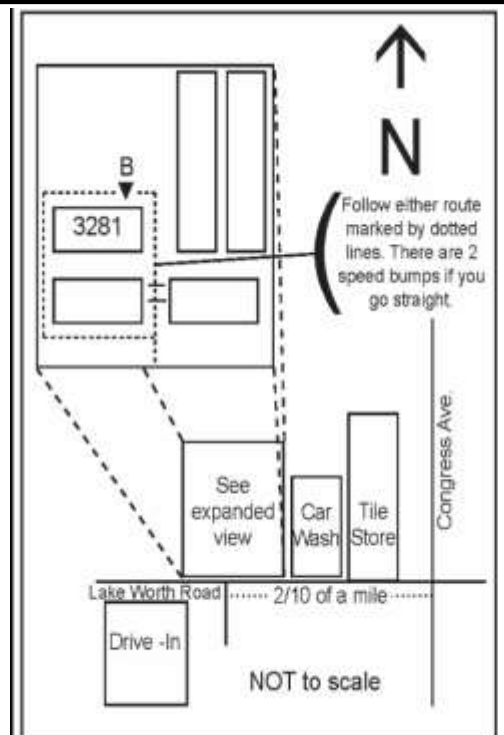
Shop Report

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

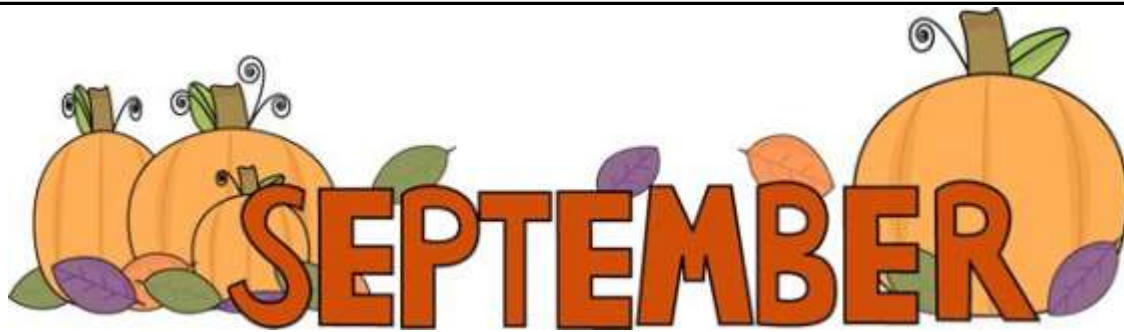




Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	3 Open Shop** 6-9 PM General Work Susan 561/293-1298	4
5	6 Open Shop** 10:30AM - 5 PM General Work Lee 561/329-8872	7	8	9 Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	10 Open Shop** 6-9 PM General Work Susan 561/293-1298	11
12	13 Open Shop** 10:30AM - 5 PM General Work Lee 561/329-8872	14	15	16 Open Shop** 12:30-3:30 PM MEMBERSHIP MEETING 7:30 PM	17 Open Shop** 6-9 PM General Work Susan 561/293-1298	18
19	20 Open Shop** 10:30AM - 5 PM General Work Lee 561/329-8872	21	22	23 Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	24 Open Shop** 6-9 PM General Work Susan 561/293-1298	25
26	27 Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	28	29	30	31	

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.



Sun	Mon	Tue	Wed	Thu	Fri	Sat
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2	3 Open Shop** 10:30AM - 5 PM General Work Lee 561/329-8872	4	5 BOARD MEETING 7:30 PM	6 Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	7 Open Shop** 6-9 PM General Work Susan 561/293-1298	8
9	10 Open Shop** 10:30AM - 5 PM General Work Lee 561/329-8872	11	12	13 Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	14 Open Shop** 6-9 PM General Work Susan 561/293-1298	15
16	17 Open Shop** 10:30AM - 5 PM General Work Lee 561/329-8872	18	19	20 Open Shop** 12:30-3:30 PM MEMBERSHIP MEETING 7:30 PM	21 Open Shop** 6-9 PM General Work Susan 561/293-1298	22
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30	Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359					

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 Steward, to arrange for open shop.

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.

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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

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.

Send comments or submissions to newsletter@gemandmineralsociety.org