



The Rockhound

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

www.gemandmineralsociety.org
July & August 2019 Volume 52 Issue 10

President's Message

Hello Rockhounds!

Welcome to the "Summer" edition of "The Rockhound!" Please remember, this edition will be covering happenings for both July and August; we will resume our regular monthly publishing schedule in September.

The summer edition is timely, as we sure are in the middle of Summer! Temperatures are climbing, along with the humidity...but soon enough, Fall will be here, bringing with it our Club's busy season: Elections, the Show, and our Holiday Banquet are all in the works! Let me also use this opportunity to remind you to be on the lookout for schedule changes for our December General Meeting. As happens each year, our December meeting will be held earlier in the month to accommodate Holiday plans, and so that we can hold elections early enough to install officers at the Holiday Banquet. It is my intention to get that day/date change ironed out and announced as soon as possible...Stay Tuned!

Speaking of installing officers, our Nominating Committee is beginning their annual process. If you are interested in serving as an elected officer, please speak with a member of the Nominating Committee.

Lastly, I want to quickly mention the recent spate of email scams. We sent out a separate email regarding this, but just the short version: if you receive any form of contact, from anyone claiming to be an officer of the club, asking you to make purchases or spend money on behalf of the club, DON'T! There have been a bunch of scams going around many of the gem clubs, and as the names of club officers are easily available online, scammers have been using our names to attempt to convince others to buy gift cards and such. If you receive something that you really think IS from one of us, use the phone numbers and email addresses published in the back of this newsletter to double-check before making any purchases. Don't ever follow any links, or use phone numbers or email addresses, that are included in the questionable email/text/whatever form of contact!

Thank You!

— Laura Simmons, President

Membership Meetings

Thursday, July 18: Rudy Pascucci of the Palm Beach Museum of Natural History—Who is Who in Florida Archaeology, and How It All Began.

Earlier this year, Part 1 of this series presented a broad overview of the human occupation of Florida and described the various cultures of its earliest inhabitants. Yet, how do we know the details of that story? This lecture will present the history of archaeology in Florida from its earliest pioneers to recent times. Key sites and the personalities associated with them will be discussed as well as the development of archaeological methods and techniques. Included will be the foundation of statewide organizations such as the Florida Anthropological Society, The Florida Public Archaeology Network, and the Division of Historical Resources. Students, don't miss this lecture - here is the information that you will need to know and that you will not get in class!

Thursday, August 15th: Alan Meltzer—Beautiful Banded Agates!

These gems 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 ("thunderegs") 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 societies have centuries-old traditions of appreciating and working with agates. It's a relatively new passion in North America, but we have the best deposits on earth.

Alan will talk a little bit about them and then will have a slide show and take questions.

Alan is a fascinating speaker, and his programs are always one of the year's highlights.

7:30 PM

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

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The **DeLong Star Ruby** is a cabochon star ruby of 100.32-carats and was found in Burma in the 1930's and named after it's owner Edith Haggin DeLong. It is currently owned by the American Museum of Natural History.

The **Midnight Star Ruby** also belongs to the American Museum of Natural History. It weighs 116.75-carats. It was part of a robbery in 1964 from the museum but was recovered and returned to the museum.

The **Sunrise Ruby** is a blood red faceted gemstone weighing 25.59-carats and is said to be the world's most expensive ruby. It sold for \$30.42 million at auction



The **Prince of Burma** is an uncut 950-carat blood red ruby on marble. It is estimated that if cut would yield a 300-carat stone.

The **Liberty Bell Ruby** is an 85000-carat opaque ruby cut to a miniature Liberty Bell. It was stolen in 2019 and has not been recovered.

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<https://www.worldatlas.com/articles/a-list-of-the-most-valuable-and-most-famous-rubies.html>

<https://www.newstimes.com/news/article/Danbury-man-donates-ruby-to-museum-66842.php>

Article compiled by Richard Tracey

July Birthstone: Ruby

Ruby has a fascinating history that goes back to ancient times. It has always been known as the king of gemstones and is associated with passion, protection and prosperity. Ruby is mentioned in the bible, was traded along China's silk road and was known to the Romans. Today museums like the Smithsonian and the Louvre house some of the most famous rubies from history. The Smithsonian is home to the 23.1-carat ruby named the **Carmen Lucia** while the Louvre houses the 105-carat **Anne of Brittany Ruby**.



Other famous rubies include:

125 West Ruby. This stone weighs 18,696-carats but is semi translucent to opaque. It could be cut into a cabochon.

August Birthstones: Peridot, Sardonyx, and Spinel

Peridot mining has been documented as far back as 1500 BCE. Cleopatra had a famous emerald collection which some historians believe was



actually peridot. St. Johns Island in the Red Sea off of Egypt was the main source of peridot in the ancient world. The largest peridot in the world at 311.78-carats was found on St. John's Island and now resides in the Smithsonian. There is a

192.75-carat peridot in the Diamond Treasury in Moscow and a 146-carat stone at the Geological Museum in London.

Price/carat for peridot gemstones varies from \$50-80/carat for small stones of 1-2

carats up to \$450/carat for larger stones. Burma and Pakistan yield the largest stones. Peridot is also mined in Arizona on the San Carlos Apache Indian Reservation.



Sardonyx was known in Egypt as early as 2000 BCE. Sardonyx was also popular in ancient Rome. Most of the sardonyx was carved into cameos and engravings. Sardonyx was popular for signet rings in Rome to imprint the wax seals on documents. Sardonyx is a type of onyx with brown instead of black for the base color and is a banded agate

(with straight bands) formed of microcrystalline quartz. Much of the sardonyx available has been dyed to enhance the brown color. Prices for sardonyx are quite reasonable



(Google: "sardonyx for sale").

Spinel has been known since ancient times – sort of. Until relatively recently (mid-1850's) spinel was confused with sapphire and most often ruby. The "Black Prince's Ruby" was received in 1367 by Edward, Prince of Wales the "Black Prince" for victory in battle. The stone which was probably mined in Afghanistan is still in the imperial state crown in England was thought to be a ruby but it is now known to be a spinel. Also in the crown jewels of England is the "Timur Ruby" which at over 350 carats is now known to be a spinel as well. Catherine the Great's crown and the Austrian Imperial Crown both with large red stones thought to be rubies are now



known to be spinel. Today Burma and Tanzania supply high quality spinel gemstones. Spinel sells for \$600-1200/carat for small stones but for stones above 5 carats the price can go to \$10,000/carat.

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Photos of spinel are courtesy of:

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Article compiled by Richard Tracey

Members Mining Finds



Last month, our rockhounding members showcased their great summer finds from our Hogg Mine field trip and elsewhere...





Member Highlight: Carolee Boyles

If you've been with our gem club for a few years, you have probably met Carolee. She came to us three years ago after moving from the Tampa area. She had been active with the Tampa Bay club and even served as their President.

Carolee enjoys a busy life, being a free-lance writer for gun and hunting publications first and a rockhound second. But also, there are her gorgeous Flat-Coated Retrievers that she breeds, trains, and shows. One thing she does every day, though, is work on slabbing stones and making cabochons. She has a well-appointed shop at her home, which is why we don't often see her at our shop. Her favorite thing to do is to create gorgeous cabochons.

Carolee's love of rocks started by tumbling stones and finding them intriguing. She joined the Tampa Bay club and was active there for a decade, learning from their classes and also taking classes every year at William Holland. An avid collector (which she originally promised herself she would not do), Carolee has a pretty good stash and even imports specimens from Africa and other countries.

Carolee has taken a number of silversmithing and mixed-metal classes, and absolutely loved it. In fact, she laments that she needs "more hours in the day" because she would love to take more metalworking classes.

Advice from Carolee is that "it's addictive, get involved!" And that's what brought us all together. Rock On, Carolee!

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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4 Rare Rubies Found in North Carolina Could Fetch \$90 Million

Rubies are already rarer than diamonds. But star rubies are something incredibly special.

In 1990, Jarvis "Wayne" Messer, a self-described "rock hound" living in the Appalachian Mountains of western North Carolina, made an incredible discovery. While combing the native woods for naturally occurring rarities, he unearthed four rough stones that sent shivers through him.

From their outward appearance, he sensed that he had come across something very special. Through the efforts of a friend who happened to be an amateur stone cutter, the true impact of Messer's find became evident. This mountaineer, who worked as a trout fishing guide to provide for his family, made the discovery of a lifetime.

Although Mr. Messer knew in his heart that his discovery was extraordinary, he needed scientific documentation to prove it. Unfortunately, the cost for the necessary gemological testing was well beyond his means. While contemplating his dilemma, word of the stones spread across the



Appalachian hills.

In short order, friends and neighbors approached Wayne. If they each "chipped in" what monies they could spare, perhaps he could pool enough to deliver his stones to New York City...to present them to the prestigious Gemological Institute of America.

And so it happened that these four stones made their way to the GIA which, in detailed reports, confirmed that what Wayne had discovered were indeed remarkably large Star Rubies! A ruby is rare. A ruby with a classic six-rayed star pattern—known as a "star ruby"—is one thousand times rarer still. To find four matching star rubies is nothing short of remarkable. To find them in the United States (when star rubies have been found in the past, they have been found in Southeast Asia), is virtually unimaginable.

In the simplest of terms, a "star" is formed when a stone is placed under a light. As noted above, this happens very rarely. When such stars appear, they are most often faint or somewhat fuzzy. The stars in Wayne's four stones are vivid. Sharp and bright, when viewing them it almost seems like an internal light switch is turned on. The stars are stunning.

It is a tradition that large and rare gemstones be given names;; with this in mind, Wayne's stones became known as the Appalachian Star



Rubies (continued)

(139.40 ct.), the Promise Star (64.16 ct.), the Misty Star (52.36 ct.), and the Smokey Mountain Two--Star (86.54 ct.) which remarkably has stars on both its top and bottom. Together, the Mountain Star Ruby Collection weighs in at a staggering 342.46 ct! By comparison, the Smithsonian Museum has on display a star ruby described as one of the world's largest. That ruby weighs 138 ct., about a carat less than the Appalachian Star.

As if the GIA reports were not enough, the stones were then shipped to London where the BGI (British Gemological Institute) confirmed the GIA's findings. Once in England, the Natural History Museum of London, considered by some to be the finest museum of its type in the world, asked to exhibit the largest of the stones—the Appalachian Star. And quite an exhibit it was. Approximately 200,000 visitors lined up to view the extraordinary stone over a two--week period, the largest audience that fabled institution has experienced in its multi--century existence.

The institution's leading gemologist, Dr. Cally Oldershaw, described the stone as "quite breathtaking." In the Natural History Museum of London's Mineralogy Newsletter, Sept. 20,1992, the Appalachian Star was described as "a perfect six--rayed natural star ruby... thought to be the finest in the world." London's Daily Mail was more succinct referring to the stone simply as "the world's finest ruby."

The value of a ruby is typically determined based on color, cut, clarity and carat weight, but rubies also are evaluated based on their geographic origin. Ruby gets its name from the Latin word "ruber," which means red. In the Sanskrit language, ruby is called "ratnaraj," which translates to "king of gemstones."

Read more [at http://www.geologyin.com/2018/04/4-rare-rubies-found-in-north-carolina.html#Ty6uIp5XXIVGi61T.99](http://www.geologyin.com/2018/04/4-rare-rubies-found-in-north-carolina.html#Ty6uIp5XXIVGi61T.99)

Photos courtesy of Guernsey's auction house.

New to Jewelry Making and Eager to Learn?

Of course, GMSPB offers [great classes](#)! But if you're eager to learn when a class isn't available, you may be able to find what you want at:

beaducation.com

Beaducation offers 177 *free* classes on so many topics and techniques, such as the following:

How to Make Soldered Jewelry: 3 classes

Quick Design and Technique: 7 classes

Great for Beginners: 30 classes

Metal Stamping: 31 classes

Wirework: 40 classes

Metalwork and Soldering: 65 classes

Chainmail: 14 classes

Mixed Media and Metal Clay: 14 classes

Seed Beads and Stringing: 10 classes

Facebook Live Show Episodes

Beaducation is also an online retailer, and they sell what you need to make the projects in the online classes.



Shell Crafting for the Club

Saturday, July 20 at 10:30 AM

Would you enjoy assembling various seaside found objects like coral and shells into objects d'art? In this fun class, we will be making hanging ornaments, refrigerator magnets, and table-top décor, all involving shells!

We'll get together to enjoy each other's creativity and artistic vision, and also provide the club with items we can use at the club's discretion—perhaps as a spinning wheel prize or raffle item at the November show.

There will be no charge for the class, and no charge for materials, but there will be a \$5 shop use fee. The club will provide Apple Snail shells, mussel shells, feathers, small pieces of hard white coral, rough black coral, colored pencils, sealant, glass gems, tumbled rocks and whatever else catches Clara Pflueger's eye as she's packing up. You are encouraged to bring any of your own embellishments and hot glue guns too. If you love your creation too much to donate it to the club, you may make a cash donation to the club in lieu, of whatever amount you deem appropriate.

Please sign up at the general meeting if you're interested, or contact Clara Pflueger at 201.566.6492.

Examples of things that can be made from sea shells are shown below, but let your imagination run wild!



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 Take a Left at South F St. [at the blue Kwik Stop Store]
 Turn Right on 3rd Ave. S. to our large parking lot [Enter in Rear]

Our Normal Hours: Tuesday-Saturday 10am-5pm



- Nancy Costello
- Bennett Cramer
- Marta Cruz
- Diana Cunningham
- Lo Rain Dudley
- Rob Farmer
- KC Foster
- Odani Garcia
- Melodie Janis
- Debbie Kashdan
- Dorothy Lawson
- Carole Marshall
- Chris Norris
- Michael Perkins
- Rob Peterson
- Grant Simmons
- Laura Simmons
- Debbie Sorell
- Ilene Tausig
- Walter Triche

The best birthdays are the ones that haven't arrived yet!

Stay cool and be prepared for hurricane season!



Scientists Find 68-Million Year Old Triceratops Fossil in Colorado

Several weeks ago, construction workers digging near a Denver, Colorado, retirement home made a startling discovery: dinosaur bones.

Paleontologists say fossilized bones unearthed at a suburban Denver construction site are those of a large adult triceratops.

Maura O'Neal, a spokeswoman for the Denver Museum of Nature & Science, said Friday the partial skeleton included a limb bone and several ribs of the three-horned dinosaur.

The Denver Post reports the bones were found at a construction site near a retirement community in Highlands Ranch in May in a rock layer that dates back 65 million to 68 million years.

Construction crews are using heavy equipment to dig a deep trench in search for other dinosaur fossils next to the area where the triceratops bones were found. O'Neal says that of all the dinosaur bones discovered in Colorado, the remains of triceratops have been among the most common.

Scientists say the possibility of unearthing more fossils runs very high. Now, the construction crews are working hand in hand with scientists to further explore the site in search of more fossil finds.



Triceratops skull found in Colorado during construction work

The Associated Press.

Read more at <http://>

www.geologyin.com/2019/07/scientists-find-68-million-year-old.html#imgTQeiy3u4CFSVW.99

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)

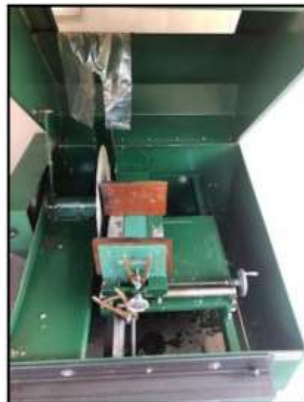
- ◆ Relax and mingle with members of the Palm Beach, Gold Coast, and Miami clubs
- ◆ Bring a **potluck dish** to share, your **table service** and **drinks** (no glass containers)
- ◆ Bring **items to donate** to Raffles and Bingo, which pay for pavilion
- ◆ Arrive around 9:30-10:30 if you wish to set 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.*



Lapidary Saw for Sale

18 inch Covington * 8 years old and in very good condition
 New sintered diamond blade from Kingsley North with 8-10 hours of use
 Extra large wheel and belt
\$2,600
 Must pick up in Hollywood, FL
 Contact Richard Alexis (from Art of Stone) 954.562.6093



How Many Beads Per Strand?

Number of Beads Per 16-inch Strand

Size	Number of Beads
3mm	136
4mm	100
6mm	67
8mm	50

The Gem & Mineral Society of the Palm Beaches, Inc.
 Is proud to present our
53rd ANNUAL
Gem, Mineral, Jewelry, Bead and Fossil Show
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EXHIBITS
FACE & ROCK PAINTING
 Proceeds from this event support GMSPB INC (a 501(c)(3) Corp.)

Kids Corner

For kids of all ages!

Reprinted with permission from Mini Miners Monthly, Vol. 11 No. 7, July 2019

What Is a "Mineral"?

Not every solid material that comes from the earth is a mineral. There is a difference between a mineral and a rock, for instance. Do you know the definition of a mineral?

A mineral, by definition, is...

1. **INORGANIC**, which means that it is not made by a living organism.
2. **A SOLID**. There is one unusual exception. Native mercury is a mineral and is the only metal that is a liquid at normal temperatures.
3. Has a **REGULAR CRYSTAL STRUCTURE**. The crystal structures are described as *crystal systems*.
4. **MADE BY NATURE** which means minerals are not made, directly or indirectly, from human activity.
5. Has a **PREDICTABLE CHEMICAL FORMULA**.

Which of the following are minerals?

Pyrite ("Fool's Gold")

Snow

Galena

Ice Cubes

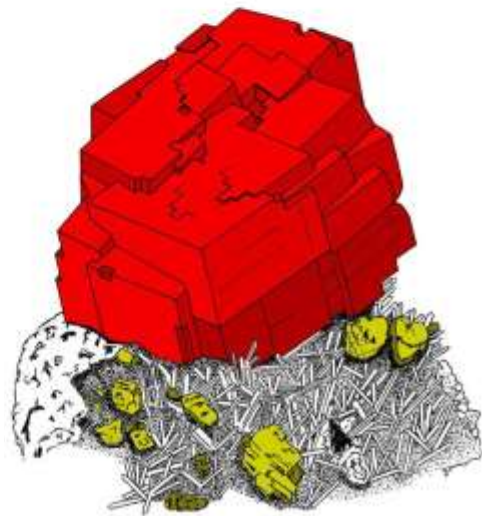
Graphite

Ruby

Cubic Zirconia

Diamond

Fluorite



For each of these, make a checklist of the 5 points of a mineral's definition. If it meets all 5 points, it is a mineral... by definition. See the next page for the answers.

Kids Corner (continued)

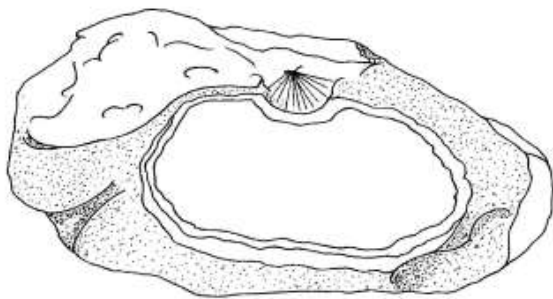
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What Is a "Mineraloid"?

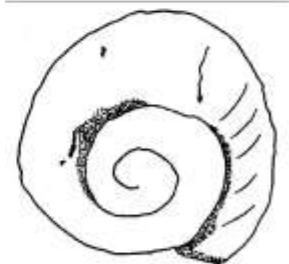
There is an interesting category of mineral-like specimens that are found in nature and seem to have all the properties needed for scientists to call them "minerals." However, they do not fit the exact definition of a mineral (see the previous page for the exact definition of a mineral). A "mineraloid" is a substance that is like a mineral, but does not have a crystal structure.

The most common example of a mineraloid is opal. Opal is very much like quartz. Its chemical formula is SiO_2 , just like quartz. It is a little softer than quartz. HOWEVER, opal does not have a crystal form. Scientific studies have shown that opal is made up of microscopic balls of silica that rest in layers on top of each other.

You can make a model of opal's structure at home with a bunch of golf balls and a shoe box. Cover the bottom of the shoe box with golf balls. Line up the balls so that you have rows with equal numbers of balls in each row. Now make a second layer of golf balls. These golf balls will sit in the spaces created by the first layer of golf balls. Then make a third layer of golf balls. Each layer makes a space in which the next layer of golf balls can sit. This is exactly the way opal is formed, by microscopic balls of silica that sit in layers, one on top of the other. These microscopic balls of silica are so small that when light hits them, the light is broken into its different colors. This is called *refraction*.



Here are two specimens of opal from Australia. Color them with little specks of red, green, blue, and orange. The specimen to the right is a snail shell fossil that has turned into an opal!



Other materials that are called mineraloids include mercury (the only metal that occurs as a liquid at room temperature), pearls, jet, obsidian, and amber.

Answers from previous page: Which of the following are minerals?

Snow: ~~Mineral~~ Galena: ~~Mineral~~ Ice Cubes: ~~Not a mineral (made by humans in a freezer)~~

Graphite: Mineral Ruby: Mineral Cubic Zirconia: ~~Not a mineral (made in a laboratory)~~

Diamond: Mineral Fluorite: Mineral

Kids Corner (continued)

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mindat.org

Your one-stop source for all the mineral information and mineral photos you will ever need.

mindat.org is the largest mineral database and mineralogical reference website on the internet. This site contains worldwide data on minerals, mineral collecting, mineral localities, and other mineralogical information... This site is growing every day, with new mineral information, localities, and photographs added by members—whether you are interested in mineral collecting, a student or a professional mineralogist, why not join so you can keep the site updated with information on areas you are familiar with. mindat.org is the world's leading authority on minerals and their localities, deposits, and mines worldwide. An international team of 50 expert managers work to ensure accuracy.

Mindat is the invention of Mr. Jolyon Ralph. What began as a complete source for mineral information has grown into a community of collectors, all of whom can contribute to the information kept on mindat.org. When you visit mindat, SIGN UP! On the banner at the top of the page is a link for you to "Register." Once you are registered, you will be able to contribute to the database, join in for mineral discussions, and much more.

What does mindat have for a Mini Miner?

1. INFORMATION!!! You can search for information on minerals by name, based on their chemical formulas, where they are found, by physical properties, and even by association. For example, if you found a specimen with calcite and fluorite and dolomite, you might be able to identify the little red crystal as sphalerite because sphalerite is commonly found with those minerals.
2. News about minerals, mineral gatherings, mineral shows, and more. These reports always have a lot of information and great pictures.
3. Under the "Search" tab you can find a link to "Localities Near Me." You can find places to dig for specimens near your home.
4. Chat rooms where you can talk with other mineral collectors. (Always join chat rooms with your parent's help and guidance.)
5. The largest directory of mineral dealers you will find anywhere.
6. Scientific publications about the newest minerals discovered and described.
7. The "Learn" tab will bring you to links about mineral information including a "Learning Center" with a lot of information about minerals. Do you play the video game "Minecraft"? There is an entire article about the rocks and minerals you can find in Minecraft here in the Learning Center.
8. The largest photo collection of minerals from all over the world. Professional and amateur collectors and photographers upload their pictures so that mineral collectors all over the world can have access to these great mineral photos.
9. Information on crystal systems and classes.
10. On the message board you will find topics such as "Lost and Stolen Specimens", "Mineral Shows", information on "Collecting Minerals", "Mineral Cleaning", "Mineral Photography", "Mineral Art", and much, much more.

Well, you get the idea. There is a LOT of mineral information for you... right at your fingertips.

Club Organization

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



The [American Federation of Mineral Societies](http://amfed.org)—amfed.org—oversees the **Regional Clubs** shown above.

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

- ♦ [Eastern Federation of Mineralogical Societies](http://amfed.org/efmls)—amfed.org/efmls
- ♦ [Southeast Federation of Mineralogical Societies](http://amfed.org/sfms)—amfed.org/sfms

The [Gem and Mineral Society of the Palm Beaches](http://gemandmineralsociety.org)—gemandmineralsociety.org—also has several **Neighbor Clubs**:

- ♦ [Florida Gold Coast Gem and Mineral Society](http://fgcgms.com)—fgcgms.com—(Broward County)
- ♦ [St. Lucie County Rock and Gem Club](http://srockandgem.org)—srockandgem.org
- ♦ [Treasure Coast Rock and Gem Society](http://treasurecoastrockandgem.org)—treasurecoastrockandgem.org (Indian River County)
- ♦ [Miami Mineralogical and Lapidary Guild](http://mmlg-inc.org)—mmlg-inc.org

All of these clubs have extensive websites with articles, information, and newsletters of interest to all rockhounds.

UPCOMING EVENTS

August 3-4, Ft Lauderdale, FL: **BEAD MERCANTILE**. Courtyard by Marriott Fort Lauderdale North/ Cypress Creek. Sat 10-5; Sun 10-4. Jewelry, beads, beading supplies, findings, pearls, silver, designer cabochons, tools, jewelry cleaner, Diamonds, Beads, Pearls, Opals, Fine Jewelry, Precious & Semi-Precious Gemstones, and much more.

August 12, Greenville, SC: **WESCAGEM (Western Carolina Gem and Mineral Show) 2nd Annual Gem and Mineral Silent Auction**. Viewing 7:00 pm. Auction 7:30 pm. No further information available.

October 11-13, Huntsville, AL: **Huntsville Gem & Mineral Society Annual Show**. Dealers offer a wide variety of 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.

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=IwAR2zcyjomNwYZ8VKpYZ-hEn_OORxz2gxau0VV3YwuiaDwjzIKxMOx8NOYG0#bcTfcb7ksLdJi1q.99

Mini Miners Monthly

Did you enjoy the excerpts from the Mini Miners Monthly on the previous three pages? Consider getting a subscription that delivers a new issue to your inbox every month.

Mini Miners Monthly is published by Darryl Powell, "Diamond Dan", who has done many fascinating presentations for us in our monthly meetings.

diamonddanpublications.net

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.

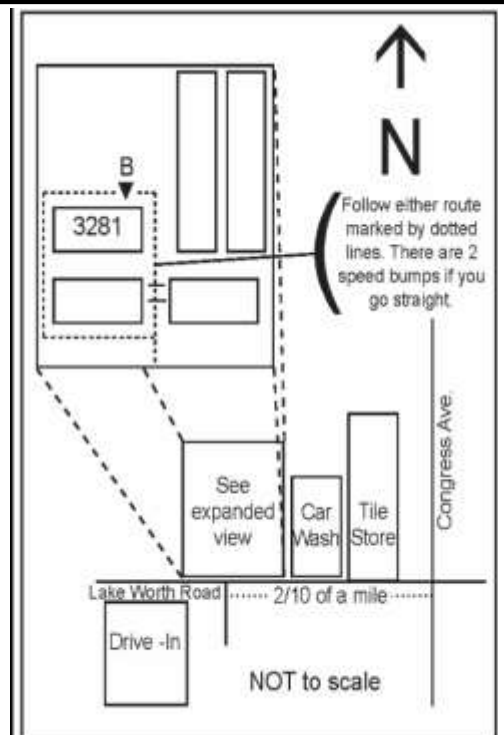
Shop Report

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



The Rockhound

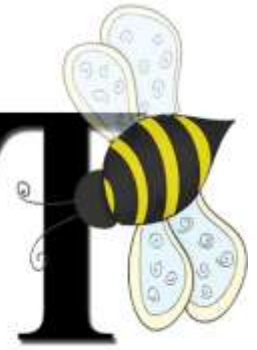
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Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	2	3	4 	5 Open Shop** 6-9 PM General Work Susan 561/293-1298	6
7	8 Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	9	10	11 Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	12 Open Shop** 6-9 PM General Work Susan 561/293-1298	13
14	15 Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	16	17	18 Open Shop** 12:30-3:30 PM <div style="background-color: red; color: white; padding: 5px; text-align: center;"> MEMBERSHIP MEETING 7:30 PM </div>	19 Open Shop** 6-9 PM General Work Susan 561/293-1298	20
21	22 Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	23	24	25 Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	26 Open Shop** 6-9 PM General Work Susan 561/293-1298	27
28	29 Open Shop** 10:30AM - 5 PM General Work Samantha 561/372-2359	30	31	Open Shop** 12:30-3:30 PM General Work Dennis 561/255-0292	Open Shop** 6-9 PM General Work Susan 561/293-1298	

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.



AUGUST

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

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

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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.

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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

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 or www.gmspb.org

Club Email Addresses

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

Link to our smile.amazon.com account:
[http://smile.amazon.com/ch/59-6196330](https://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

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