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Next Monthly Meeting:

- Our next meeting will be January 15th 2025, at 7:30 PM at the "Ye Olde Rock Shoppe" 1425 S 30 Avenue Suite C Hollywood Florida 33020."

This Month's Program: Fluorescent and Luminescent Minerals

Join us for an exciting presentation by Lauren Kairalla, President of the Miami Mineralogical and Lapidary Guild. Lauren's "glowing" presentation is titled *Fluorescent and Luminescent Minerals*.

Bring the kids and grandchildren – they'll be fascinated by the mesmerizing glow of these minerals, and we bet you will be too!

Lauren Kairalla, a self-proclaimed "rock nerd," has spent the last two decades touring the world with live theater shows. During her travels, she collected an impressive array of rocks, but it wasn't until she caught the "glow bug" that her hobby turned into an all-consuming passion. Now, she's eager to share her knowledge and enthusiasm for these captivating minerals with you!

NSID	E THIS ISSUE:	MONTHLY MEETING	MINUTES:
1.	Next Meeting	Date:	12/18/2024
2.	Other Agenda Items	Time Start:	7:00pm
3. 4.	Editorial December Birthstone Turquoise	Time Ended:	9:00pm
7. 8	Crystal Energy Mineral Identification tips	Minutes taken By:	Susan Anderson
19 20 21	On the puny side Calendar of Events Club Info, List of Officers,	Previous Months Minutes Accepted by:	Julio Lopez
22 23	Advertisers Program Presenter form	Attending Officers:	Julio Lopez, president
			Don Titman - VP
		Guest/New Members:	Susan Anderson - Secretary Beverly Norona – Treasurer No New Guest
		Treasurer's Report: Other Notes/ Reports	Beverly indicated that the bank has 1130.38 and there is \$340.15 in petty case. 21 members attended \$960.00 in Christmas party Raffles,





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Shop Report:	Our options for the shop as discussed in the November newsletter and this meeting will be presented to the Board of Directors before this regular meeting of January 15 th Meeting and the results will be shared with the members.
Committee Reports:	Nothing to report.
Program Presentation By:	There was no program presentation





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On other Agenda topics:





- Elected Officers Announced
 - **President:** Julio Lopez
 - Vice President: Don Titman
- **Treasurer Nomination** Stephanie Strauss was nominated for the position of Treasurer. She accepted the nomination and was voted in, with a second from Jeff Gross and others.
- Susan Anderson's Secretary Position Susan Anderson indicated that she would continue in her current position until a volunteer is found.
- **Bylaw Changes** Julio Lopez asked if the bylaw changes had been voted upon at the November meeting, and it was confirmed that they had not been. Julio Lopez seconded a motion from Jeff Gross to have the members present vote on the proposed bylaw changes. The majority of members present agreed, and the bylaws, which had been proposed and worked on by a committee on September 28, 2024, were officially adopted.
- Board of Directors The acceptance of the bylaw changes also included the approval of a new Board of Directors structure, which will consist of the four(4) regular officers and three(3) additional club members as "board members" The additional club members elected to the Board of Directors are:
 - o Jeff Gross
 - Steve Ackerman
 - Ernest Ashurst III

The club generated about \$713 dollars from the rocks sale at Don Titman's house. Time for another one!! Tentative date February 8^{th} and 9^{th} 2025 flyer coming soon





Editorial:

2024 proved to be a tough year for our club, from my perspective. With Sean's resignation and the high rent challenges at the lapidary shop. As we step into 2025, the Gem and Mineral Club will continue to face challenges, and overcoming them will require our collective effort and creativity. The most pressing concern is the ongoing impact of rising costs on our operations, particularly the lapidary shop fees and event expenses. We'll need to explore new fundraising opportunities and creative solutions to ensure our sustainability.

One of my goals is to foster partnerships with other local clubs, where we can share ideas and enjoy our hobbies together. We must ensure our activities remain accessible and engaging for all members, with fresh and exciting programs that spark interest and participation.

Another ongoing challenge is motivating members to volunteer and become more involved. We've seen a decline in active participation, and it has been a struggle to encourage members to dedicate their time and talents to the club.

Additionally, with the increasing shift toward digital platforms, it's more important than ever for us to modernize and adapt. While in-person gatherings have always been the cornerstone of our club, there is an increasing demand for virtual events, educational resources, and online community-building. To stay relevant and continue growing, we must embrace these changes while still honoring the traditions that have made our club special.

In 2025, let's focus on making our club a vibrant space for learning, connection, and the appreciation of gems and minerals.

Here's how you can help:

- Become active: Join our efforts and stay involved.
- Visit our website and share it with family and friends.
- Engage with us on social media: Follow, post, and interact on Instagram and Facebook.
- Take a shop class, cabochon, faceting etc.
- Attend monthly meetings, participate, and volunteer.
- Teach a class, share your talents, and present new ideas.
- Donate to support the club's growth and sustainability.
- Pay your dues to help us continue operating.

How can I help you? Together, we can overcome these challenges and make 2025 a year of growth and success for our club!

- The Christmas Party was huge success thanks you to those that attended.
- Thank you to Beverly and Susan
- Thank you to those that donated a mineral or gift.

SU STEEM CAUSE

Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



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JANUARY BIRTHSTONE Garnets (Source GIA)



Those born in January are lucky to have the beautiful and diverse garnet as their birthstone. Garnets are commonly red but also come in an extraordinary range of beautiful colors, including orange, yellow, purple and vibrant green. There are even garnets that change color from blue to purple in different lighting. Some believe the true value of the garnet birthstone is its power to bring the wearer good health, wealth and happiness.

GARNET BIRTHSTONE MEANING & HISTORY

The name "garnet" originates from the medieval Latin *granatus*, meaning "pomegranate," in reference to the similarity of the red color. Garnets have been used since the Bronze Age as gemstones and abrasives. Necklaces studded with red garnets adorned the pharaohs of ancient Egypt. Signet rings in ancient Rome featured garnet intaglios that were used to stamp the wax that secured important documents. The clergy and nobility of the Middle Ages had a preference for red garnets.

Garnet is actually a group of several minerals. Five of these – pyrope, almandine, spessartine, grossular and andradite – are important as gems. Pyrope and almandine range from purple to red. Spessartine is found in exciting oranges and yellows, while andradite is mostly yellow to green (the gem variety demantoid). Grossular may have the widest range, from colorless through yellow to reddish orange and orangey red, as well as a strong vibrant green called tsavorite.

The Smithsonian's antique pyrope hair comb is one of the most <u>famous pieces of garnet jewelry</u> (pyrope is from the Greek *pyropos*, which means "fiery-eyed"). A large rose-cut garnet sits at the crest, much like a queen serenely surveying her court. The pyrope garnets that decorate this tiara-like jewel came from the historic mines in Bohemia (now part of the Czech Republic), and these rich red beauties were extremely popular during the Victorian era (1837–1901), when this piece



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was fashioned.



This antique pyrope garnet hair comb is part of the National Gem Collection at the Smithsonian Institution.

Curious about your garnet birthstone's reputed health benefits? According to Indian astrology, garnet helps eliminate negative feelings (depression, guilt) and instill greater self-confidence and mental clarity to promote creative thinking and peace of mind. In ancient and medieval times, gems like garnet were also thought to be remedies for inflammatory diseases and to soothe the angry heart.

WHERE IS GARNET FOUND?

Garnets come from many different regions and countries. Bohemia was the primary source of the red pyrope garnets so popular during Victorian times. Today, the African continent supplies much of the world's garnet. Namibia is now producing demantoids, and most of the bright green tsavorites in the market come from Kenya, Tanzania and Madagascar. Namibia and Tanzania are also key sources of the rich orange-to-yellow spessartine garnets. For many years, Southern California's Little Three mining area was known for producing this spellbinding gem, The birthstone for January is also found in Myanmar, Brazil, Iran, Afghanistan, Pakistan, India and Sri Lanka, among other countries.



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Small-scale artisanal miners, such as this tsavorite miner near Voi, in Kenya, are estimated to supply some 80% of the world's gems. Photo: Robert Weldon/GIA

GARNET BIRTHSTONE CARE & CLEANING

The different types of garnet range between 6.5 and 7.5 on the <u>Mohs scale of hardness</u>. This means that this birthstone is more susceptible to damage than rubies, sapphires and diamonds. So while not all garnets are good candidates for daily wear, they are ideal for earrings, brooches and pendants. Give thought to how you store your garnet jewelry. If you let it rub against harder gems – again, think diamonds, rubies and sapphires – it can be scratched. And in turn garnet can scratch softer gems, such as opals or pearls.

Most garnets are not treated. Rarely, however, some garnets might be fracture filled, whereby treaters try to improve the apparent clarity of the gem by filling surface-reaching breaks with a glass-like substance. Such treated stones require special care. Regardless, use of a soft brush with warm soapy water is always safe for cleaning garnets. Ultrasonic cleaners are usually safe, except for stones that have fractures or have been fracture filled. Steam cleaning is not recommended.





OUTHEAS

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GIA.edu

This stunning 5.55 carat tsavorite garnet is set in platinum with two fancy yellow diamonds weighing a total of 0.71 carats and 136 round diamonds weighing 1.02 carats total weight.

OCTOBER BIRTHSTONE – continued

Crystal Energy:

Garnet is a crystal that is said to have many healing properties, including:

Chakra cleansing: Garnet is said to cleanse and re-energize the chakras.
Stress reduction: Garnet is said to help reduce stress, worry, and anxiety.
Emotional balance: Garnet is said to balance the sex drive and alleviate emotional disharmony.
Vitality: Garnet is said to increase vitality and creativity.
Past life recall: Garnet is said to stimulate past-life recall.
Self-confidence: Garnet is said to open the heart and bestow self-confidence.
Immune system: Garnet is said to boost the immune system and energy levels.
Protection: Garnet is said to protect travelers against perils during the journey.
Love and devotion: Garnet is said to inspire love and devotion.

Source - AI Overview





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What is it? (Section of Rock and Minerals Identification) Tip #7– Crystal Habits of Minerals



The last mineral identification tip we gave was a working definition of minerals and we described some of the properties that are displayed by minerals. The 1st property that we would like to cover here is a mineral's crystal habit. Crystal Habit is not to be confused with crystal form.

- **Crystal Habit**: This term describes the general appearance and growth pattern of mineral crystals, which includes their shape, size, and how they interact or aggregate with other crystals. Crystal habit takes into account how crystals grow in nature, so it can include shapes like prismatic, acicular, or fibrous, and may also describe whether the crystals grow independently or in clusters (aggregates). It is a more general and descriptive term about the overall look and arrangement of crystals.
- **Crystal Form**: This refers to the specific, geometric shape that a single crystal assumes based on its internal structure. Crystals grow in particular shapes defined by their crystallographic axes, which depend on the mineral's internal arrangement of atoms. The crystal form is usually more rigid and well-defined, adhering to the mineral's crystallographic system (such as cubic, hexagonal, etc.).

In summary, "habit" is about the overall appearance of crystals in nature, while "form" focuses on the ideal, geometric shape derived from the mineral's internal atomic structure.

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The following terms are more descriptive than the technical **crystallographic terms** and are therefore easier to understand. There are basically two types: **single crystal forms** and **aggregate forms**. The single crystal terms are used to describe individual crystals and so terms like platy or prismatic are used. Aggregate terms are for minerals whose crystals come in groups of at times literally thousands of crystals and form a unique shape. Individual crystals in these aggregates are usually hard to discern. Terms such as dendritic and botryoidal are used to describe these. All these terms are subjective and most minerals form more than one. Some habits differ only in the slightest of ways and differentiation between these is therefore not very diagnostic. However there are some minerals that seem to always be found in one habit. Some examples of habits are pictured and each habit has a document link to a mineral that has been known to be found in this habit, but remember few minerals are limited to just one habit.

These are some of the more common descriptive terms used to portray certain crystal habits of both individual and aggregate crystal varieties:

Individual C	rystal Terms:					
<u>Acicular</u>	Bladed	<u>Blocky</u>	<u>Equant</u>	<u>Fibrous</u>	<u>Platy</u>	Phantomed
Prismatic	Pseudomorph	Sceptered	Striated	<u>Stubby</u>	<u>Tabular</u>	<u>Twins</u>
Aggregate C	rystal Terms:					
Arborescent	Botryoidal	Dendritic	Druse	Encrusting	Geode	<u>Granular</u>
<u>Globular</u>	Lamellar	Mammillary	Massive	Micaceous	Nodular	<u>Oolitic</u>
Pisolitic	Radiating	Rosette	Stalactitic	<u>Sub-</u>	Vugs	
	-			<u>botryoidal</u>	-	

Individual crystal varieties:



Acicular

Long and needle-like, thinner than <u>prismatic</u> but thicker than <u>fibrous</u>. <u>Natrolite</u> crystals can be good examples of acicular crystals.





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Bladed

Elongated and flattened like a blade of grass. More elongated than platy and thinner than tabular. Kyanite and Stibnite form crystals that are a good example of bladed crystals.



Blocky

Rectangular and box-like, but not necessarily with flat sides. More elongated than equant but less elongated than prismatic and thicker than tabular. Oligoclase, Vanadinite form crystals that are a good example of a blocky habit.



Striated:

Striations are a product of a mineral's crystal habit. They can be very diagnostic and can even be an enhancement to the attractiveness of a specimen. They are incorrectly referred to as scratches, especially on transparent crystals.

The most common cause of striations are the convergence or juxtaposition of two crystal faces. One of the faces gets truncated or "overtaken" by the other, but manages to leave its mark in the form of an almost imperceptible edge or stria. This edge is repeated again and again as the mineral grows and can fill an entire face with these tiny edges or striations. Pyrite, Feldspars, Shorl are some examples





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Any three perpendicular axis through the crystal are more or less equal. Can be used to describe rounded as well as angular crystals. Fluorite forms crystals that are a good example of equant crystals.



Fibrous

Thinner than acicular crystals in either individual crystals or in a tight compact almost cloth-like mass. Okenite forms crystals that are a good example of the fibrous habit. Filiform is a term also used for fibrous



Flattened and thin crystals (like plates) but wider than bladed and thinner than tabular. Crystals of wulfenite generally show good examples of the platy crystal habit.



Phantomed crystals occur when a crystal stops growing and then for some reason continues to grow. During the hiatus in growth, small microcrystals of other minerals or even the same mineral may grow on the surface of the crystal. Once the main crystal begins to grow again, it grows out and around these small crystals trapping them as a layer inside. This layer has the shape of the crystal at the time it stopped growing and often has a ghostly look to it, hence the name *phantom*. Calcite and quartz are two minerals that forms phantomed crystals more often than others.





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Prismatic One of the most common of crystal habits. Prismatic crystals are "*pencil-like*", elongated crystals that are thicker than needles (see acicular). Indicolite (a variety of elbaite) forms good examples of prismatic crystals.



Pseudomorphs

Sceptered

A **pseudomorph** (which mean *false shape* in Latin) is a crystal that has replaced another mineral's chemistry or structure with its own without changing the outward shape of the original mineral. Transformations from one mineral to another are not unusual in nature, but preserving the outward shape of the original mineral is! The end result is that the crystal appears to be one mineral but is actually another. The **quartz** specimen above was once **aegirine**.



Sceptered crystals occur when a crystal stops growing and then for some reason continues growth on the upper portion of the crystal but not the lower portion. The result on **prismatic** crystals is a shape that appears like a jeweled royal scepter of kings and queens. Scepters are quite popular and rare! **Smoky quartz**, a variety of **quartz**, forms sceptered crystals.



Slightly more elongated than equant but not as elongated as prismatic and possibly more rounded than blocky. **Topaz** forms crystals that are a good example of stubby crystals.







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Book-like (tablets) that are thicker than platy but not as elongated as bladed. **Wulfenite** forms crystals that are a good example of tabular crystals.



Twin(s).

Twins form as a result of an error during crystallization. Instead of a "normal" single crystal, twins will often appear doubled where two crystals appear to be growing out of or into each other, like Siamese twins. Some twins however are not even identifiable outwardly and some minerals in fact have been found to be just a twinned variety of another mineral. Accidental relationships are not considered twins, such as when two distinct crystals grow more or less randomly side-by-side or toward each other, etc. Also epitaxial overgrowths are also not twins. These occur when one mineral of similar structure, but different chemistry, grows onto and "continues" the earlier mineral's crystal. A twin's formation is never random and follows certain defined rules called twin laws. Many types of twin laws are given their own unique names and some are well known, such as the Spinel Law or the Albite Law.

Example one Staurolite, example two - chrysoberyl,

Aggregate Crystal Varieties:

Arborescent



Branching, tree-like clusters similar to dendritic. Some of the best examples of the arborescent crystal form are found in many specimens of **native gold**.





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Botryoidal

Resembling grape bunches with interlocking rounded masses. Formed from acicular or bladed crystals growing from a common site for each rounded mass. The tops of the crystals are smooth and blend so that individual crystal edges are indiscernible except from broken edges. Botryoidal is similar to globular and mammillary; but more of an aggregation of rounded masses. Sub-botryoidal has more discernible crystals. **Hematite and smithsonite** both form aggregates that are good examples of this form.



Dendritic

Druse

A branching growth of crystals usually on a surface or as an inclusion that forms plant-like patterns similar to "Jack Frost" on windows and similar to arborescent, but less tree-like. **Pyrolusite** and sal ammoniac forms aggregates that are a good example of this form



Outwardly oriented crystals usually lining the inside of a geode, but is also applied to other outwardly oriented crystal coatings. **Amethyst**, a variety of **quartz**, forms aggregates that are a good example of this form.



Thin crust of crystalline material over host rock. Sometimes forms from evaporation, efflorescence or simple precipitation. **Uranocircite** forms aggregates that are a good example of this form.







A hollow stone embedded in a layer of rock mineralogically different from the mineral composing the outer shell of the geode (see vugs). **Celestite** is found in good examples of this form.



Globular

Bubbly, rounded masses, similar to botryoidal or mammillary but less coherent. **Gyrolite** forms aggregates that are a good example of this form.



Granular

Crystals of a small size, less than 1 cm across, that exhibit no really discernable crystal form. Usually applied to many tiny crystals separated and disseminated throughout a host rock. **Franklinite** forms crystals that are a good example of this habit.



Hopper Crystals

Crystals were their edges grew faster than their faces forming a "skeletal" like structure. Minerals that form this type of habit usually grow quickly and crystals grown artificially, see **bismuth**, often show this form. **Halite** often forms crystals demonstrating this habit.



Layered masses like sheets of paper. **Muscovite** forms aggregates that are a good example of this form.





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Rounded, literally "*breast-like*" masses, similar to botryoidal and globular but more rounded, larger individual masses. **Prehnite and kidwellite** forms aggregates that are a good example of this form.



Indiscernible masses of crystals usually too fine to see. Lazurite forms massive examples.



Micaceous

Massive

Flaky to platy crystals compacted together in sparkling masses. Similar to lamellar but with smaller crystals. **Biotite and Muscovite**, the most common members of the Mica Group, forms aggregates that are a good example of this form.



Nodular

A stone of concentric growth around a center usually composed of mostly one mineral. Concretions fall under this term. If broken, may show concentric rings. Forms nearly spherical balls, flat round "suns" to oddly shaped concretions. **Pyrite** forms good examples of this form.



Oolitic

Rounded pebble to sand sized nodules in a compact mass formed in sedimentary environs. **Hematite** and **calcitic oolites** form masses that are a good example of this form.





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Pisolitic

Rounded marble to pebble sized nodules in a compact mass formed in certain sedimentary environments. Nodules are larger than oolitic forms. **Gibbsite** forms masses that are a good example of the this form.



Radiating

Distinct crystals arranged in an orientation outward from a common point. Atacamite forms aggregates that are a good example of this form.



Petal-like crystals arranged in a flattened radial habit around a central point. Barite roses and Rose calcite are good examples of the **rosette** form.



Stalactitic

A concretionary growth sometimes around a hollow tube, producing long, slowly tappering, rounded masses. Cross-sections usually have circular rings like the rings of a tree. Usually formed in caves or other voids in rocks from the precipitation of a mineral from an evaporating fluid. Rhodochrosite and malachite form aggregates that are attractive examples of this form.





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Sub-botryoidal

Similar to botryoidal, but with more crystalline components in the interlocking rounded masses. Adamite typically form aggregates that are a good example of this form.



Vugs

A void in a rock whose "shell" contains the same mineral as the host rock (see geode). A vug can be thought of as a hole created by dissolving the host rock whereas a geode is formed by precipitating a hollow nodule in the host rock. The cavity is sometimes filled with an assortment of minerals, often different than the host rock however. A variety of Quartz known as *Herkimer Diamonds* are found inside of limestone vugs





On the Puny Side:

You may not have heard of these puns! But you know the old saying—**igneous is bliss**. Here they are anyway

- . Geologists love music, but their playlist gets boring—they're only rock and roll
- What should you do when you hear a bad joke about rocks? *Take it with a grain of basalt*
- Did you see the geologist towing a crate of rocks behind his car? *He needed a wide lode sign.*





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Calendar of Events			
January 15 th 2025, Wednesday,	Board of Directors Meeting – 6:00 pm Ye OldeRock Shoppe		
January 15 th 2025, Wednesday	FGCG&M Society's Monthly Meeting		
February 8 th and 9 th , 2025,	FGCGMS Rock Sale – Don Titman House		
Saturaday and Sunday	Corals, Agates, Jaspers, Jade, Some Lapidary Equipment		
February 19, 2025, Wednesday	FGCG&M Society's Monthly Meeting		
March 26, 2025, Wednesday	FGCG&M Society's Monthly Meeting		
April 16 th 2025, Wednesday	FGCG&M Society's Monthly Meeting		
April 27th 2025, Sunday,	Tri county Club picnic at TY Park		
May 21 st 2025, Wednesday	FGCG&M Society's Monthly Meeting		
June 18 th 2025, Wednesday	FGCG&M Society's Monthly Meeting		
July 16th 2025, Wednesday	FGCG&M Society's Monthly Meeting		
August 20th 2025, Wednesday	FGCG&M Society's Monthly Meeting		
September 17th 22025, Wednesday	FGCG&M Society's Monthly Meeting		
September 28th 2025, Sunday	Tri-county Picnic		
October 15th, 2025, Wednesday	FGCG&M Society's Monthly Meeting		
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2025 Snack Volunteers				
January	Julio Lopez			
February	Volunteer List will be pasted out at the this meeting			
March				
April				
May				
June				
July				
August				
September				
October				
November				
December	Christmas Party – No Volunteer(s) needed			
Please contact Ariel Helman @ 305-335-4405 for changes				

Please contact Ariel Helman (a) 305-335-4405 for changes.

Club Info:

Club's Email: floridagemmineral@gmail.com Club's Website: http://www.fgcgms.org Club Facebook Page: Florida Gem & Mineral Society Federation Website: http://www.amfed.org/sfms Instagram: floridagemmineral - follow us on Instagram Mailing Address: 8783 NW 142 Lane, Miami Lakes, FL 33018

List of Officers:						
Function	2 nd Function	Name	Phone Number	E-mail Address	2 nd E-mail Address	
President	Database Manager	Julio Lopez	786-603-8081	floridagemmineral@gmail.com	juliolp2059@gmail.com	
Vice President	Shop Foreman	Don Titman	305-502-4345	nolewake@yahoo.com		
Shop Foreman	Program Committee	Lucas Bush	954-588-6323	snugglefish22@gmail.com		
Secretary	Program Committee	Susan Anderson	954-559-9198	poochiepawlor@aol.com	pochiepawlor@aol.com	
Treasurer		Beverly Norona Stephanie Strauss	954-205-5815 954-558-0559	bevn12345@aol.com stephanielynn.strauss@gmail.com		
Sunshine Chair		Mirtha Rimarachin	954-948-7657	mrimarac88@gmail.com		
Member Committee		Vacant				
Refreshment Committee		Ariel Helman	305-335-4405	arielh305@gmail.com		
Game Master / Quiz Committee		Dick Haliburton	954-249-0365	dickhaliburton@gmail.com		
Newsletter Committee		Vacant				
Newsletter Committee		Jeffrey Gross	954-987-0645	jgrossarchitect@gmail.com		





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Advertisers:

Ye Olde Rock Shoppe



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Poochie Pawlor – By Susan Anderson 1621 N. Hiatus Road, Pembroke Pines FL 33026





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IF YOU HAVE ARRANGED A SPEAKER FOR THE CLUB MEETING, PLEASE BE SURE ALL OF THE INFORMATION NOTED BELOW IS INCLUDED.

Email the form to the newsletter editor at <u>floridagemmineral@gmail.com</u>

Month the speaker will be speaking:

First Name

Last Name

Title or Self Identifier: (for example rock hound, Geologist, whatever the person calls him/herself.) (no more than five words)

Type self-description here:

Title of Program:

Short paragraph on content of presentation:

Biographical information on presenter:

Phone number of speaker in case further information is needed:

Name of person submitting this form: