



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

Next Monthly Meeting:

Our next meeting will be November 20 2024, at 7:30 PM

Don Titman and Lucas Bush will present this month's program. Game master, Dick Haliburton will also provide a fun quiz.

Monthly Meeting Minutes:



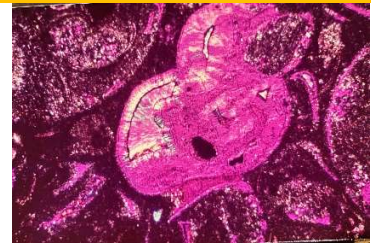
Take I-95 to Pembroke Road, (Exit 19),
- Go West 1/2 blk.
- Turn Right just before the RR tracks.
- Turn Right after the 1st building,
- Then Left at the fence.
- Ye Olde Rock Shoppe will be on the left 50 feet up.

Visitors & Members are encouraged to attend

Date: 10/16/2024
Time Start: 7:40pm
Time Ended: 9:30pm
Minutes taken By: Susan Anderson

Previous Months Minutes Accepted by: Julio Lopez
Attending Officers: Julio Lopez - President
Don Titman - VP

Susan Anderson - Secretary
Beverly Norona – Treasurer
Guest/New Members: No New Guest



Photomicrograph of Gastropod fossil replaced by Chalcedony



Fish Fossils of ancient Lake Juchipila deposits

INSIDE THIS ISSUE:

1. Next Month Meeting announcement
- 1-2 Monthly Meeting
- 3 Editorial
- 4-7 July Birthstone Sapphires (Corundum)
- 8- Crystal Energy
- 9-10 What is it – Tips on rock and mineral identification
- 11- On the Punny side
- 12- Calendar of Events
- 13- Club Info, List of Officers,
- 14- Advertisers
- 15- Program Presenter form

Treasurer's Report: Beverly indicated that the bank has 1284.21 and there is \$431.00 in petty case.
Other Notes/ Reports 17 members attended
Raffle - \$67.00, Coffee \$0.00



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter

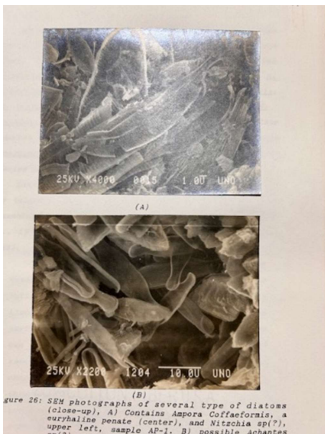


November 2024, Vol. 34 Issue 1

Monthly Meeting Minutes: (continued)



Plant fossils from ancient
"Lake Juchipila"



Freshwater diatoms fossils
from ancient "Lake
Juchipila"

Shop Report:

The shop is currently managing to avoid major equipment repairs, but it's facing challenges in generating enough income to cover rent. During the meeting, the club discussed alternative solutions should funds be insufficient to keep the shop open by December.

The most concerning option would be to temporarily close the shop until we can raise enough money for rent.

Here are the options we explored:

1. **Explore Alternative Locations:** Investigate storage warehouses that would allow us to operate our equipment.
2. **Seek Local Support:** Reach out to local Indigenous benefactors to see if they would be interested in supporting our cause.
3. **Rock Sales:** We have rock from the Honey Hole stored in Don Titman's backyard, with plans for a sale in early December. Additionally, there will be a sale at the Miami club's gem and mineral show on December 7th and 8th. Lucas Bush is also planning to launch an online rock sale.
4. **Fundraising Initiative:** We are looking to establish a GoFundMe page for the club.

Committee Reports:

Nothing to report.

Program Presentation By:

The club was planning to present a video and a short presentation of Julio Lopez's thesis on an ancient lake. The club had so many agenda items to discuss that we had no time. We decided to do neither.

On other Agenda topics:

Don Titman along with Lucas Bush were able to move all the "Honey Hole" rocks to his house. Thank you Don and Lucas.

Susan Anderson found a "**Free**" venue to hold our Christmas Party. The club agreed on "potluck" party rather than a catered party. Thank you Susan.

On that note – The list for the Christmas Party Pot-Luck was initiated. Call Susan Anderson as to what you desire to bring i.e. meal or dessert. If you forget, also please call her.

Don Titman mentioned that he talked to the Palm Beach Club and he has decided that this year he would be unable to do any cabbing demonstrations. Steve Ackerman might do a faceting demonstration. Call Anthony Leong @ 561-252-1329 to volunteer and get in free. Otherwise the print the coupon from the clubs email.



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

According to the club's bylaws officer nominations were to begin at this meeting, however Fletcher Sessoms indicated that ballots or nominations have always been done in November. Therefore, it was agreed the club would wait until the November meeting to nominate and vote.

After the picnic the bylaws committee were able to iron out and agree on the "proposed changes. The will be available for a vote come November meeting.

Editorial:

The Shop news

As a relatively new president, I found it challenging to hear the club's struggle to pay shop rent during our recent meeting. This situation has resulted mainly because of two challenges that have largely been beyond our control:

1. **Leadership Change:** Sean Branigan resigned in April, leaving us with only about \$4,000 in our accounts.
2. **Rent Increase:** In June, we were notified of an impending rent increase. We signed a new lease in July for \$685.75 per month. After just five months of paying this rent and addressing some repairs, our financial cushion has shrunk to only two months' worth of operating expenses. More critically, the shop is not generating enough revenue to cover the rent.

The situation was somewhat compounded by my novice presidency and focus. I

3. **Overlooked the Urgency:** I became engrossed in other club matters that I believed to be more pressing, which caused me to underestimate the urgency of our financial situation. It escalated quickly.
4. **"Honey Hole" Situation:** My focus on finding storage solutions for our valued rocks delayed my response to the urgency of relocating them. Thanks to Don Titman's hard work, we avoided additional costs, but these issues have diverted our attention from the shop.

To address these challenges, the club will need to organize several rock sales and fundraisers (special thanks to Lucas) in hopes of keeping the shop open at least until January. However, we must also prepare for the worst-case scenario: the potential closure of the shop in February.

I believe we should consider temporarily closing the shop with a solid plan for reopening once we can afford the necessary rent. We need to grow our membership and ensure that members actively use the shop; it cannot continue to drain our resources. Establishing a budget that includes revenue projections for the shop is crucial. Here are some steps I propose to move forward:

1. **Implement a Club Budget:** I presented proposed bylaw changes and a budget to the officers back in June. A budget will help us make informed projections and prevent surprises from sudden rent increases.



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

2. **Explore Alternative Locations:** We are actively seeking other locations or warehouses that can accommodate our rock storage and shop operations while also looking for more affordable rent options.
3. **Grow Membership through Social Media:** We aim to leverage social media to attract new members and increase revenue. New Instagram, new Facebook, New Website etc.
4. **Current members lack shop use:** We need to poll the current members as to why they are not using the shop. There might be an underlying reason as to why.
5. **Rock Sale:** - The club needs to hold more rock sales but in future the club needs to hold gem and mineral show like Miami and Palm Beach clubs. These sales are not within the club capabilities.

The idea of closing the shop for a few months makes sense to me, especially since we have a plan in place. This pause would give us the time to build our funds and find an affordable new location. I'd love to hear your thoughts on this—please call me to discuss. The more ideas we can share, the better.

Despite recent challenges, including Sean Branigan's departure and rising rents, we have had several successes. I remain highly motivated to help the club move forward. Let's rock this—pun intended!



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

NOVEMBER BIRTHSTONE



Those with November birthdays have two beautiful birthstones to choose from: topaz and citrine. Topaz comes in a rainbow of colors; citrine is prized for its charming yellow and orange hues. Both November birthstones are known to have calming energies while bringing fortune and warmth to the wearer. Most topaz and citrine birthstones are affordably priced, as good-quality gems are not as rare as for many of their counterparts. This means that those born in November have many options to choose from. Your challenge will be deciding which one to pick.

TOPAZ BIRTHSTONE

TOPAZ BIRTHSTONE MEANING & HISTORY

The variety of topaz hues includes colorless, light blue, yellow, orange, pink, violet, brown and, very rarely, red. The vast majority of blue topaz seen today is the permanent result of treating colorless topaz with irradiation and heating. The rainbow effect seen in “Mystic Topaz” is created by coating colorless topaz with a thin artificial film.

Some believe the word “topaz” comes from the Sanskrit word *tapas*, which means “fire.” Others trace it back to the Greek *topazos*. This November birthstone was long thought to have many benefits. The ancient Greeks believed that topaz gave them strength. From the 1300s to the 1600s, Europeans thought it could thwart magic spells and dispel anger. For centuries, many people in India have believed that topaz worn above the heart assures long life, beauty and intelligence.

The distinctly pinkish orange Imperial topaz has aristocratic cachet. It is commonly believed that the name originated with the Russian royal family’s insistence on keeping the finest colors of this gem, which was mined in Russia’s Ural Mountains, exclusively for their use. An alternate explanation, especially popular in Brazil, is that it dates from an 1881 visit by Brazilian Emperor Pedro II to Ouro Preto—the town closest to Brazil’s most productive topaz mines—and the gift of a reddish topaz to him.

Blue topaz is the gem of the fourth wedding anniversary, and Imperial topaz is the gem of the 23rd wedding anniversary.



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1



GIA.edu

One of the most sought-after November birthstones is this pinkish orange Imperial topaz. Photo: Robert Weldon/GIA

WHERE IS TOPAZ FOUND?

Minas Gerais, a state in Brazil, is one of the most important sources for high-quality topaz, which has been mined there for more than two centuries. Yellow to orange, red, pink, violet and blends of red with orange or purple are some of the colors unearthed here. The nearby town of Ouro Preto is a fitting companion. In this UNESCO world heritage site, majestic colonial churches checker the skyline and quaint cobblestone streets crisscross the city.

Northwestern Pakistan is known for producing pink topaz. Ghundao Hill, close to the small town of Katlang, has been mined since 1972. The most sought-after shade of pink topaz from Katlang has a tinge of violet, which some in the gem trade call cyclamen pink. But even at Ghundao Hill, only rarely is this fine pink November birthstone found.



Hillside view in Katlang, Pakistan. Courtesy: Dr. Edward J. Gübelin Collection

Today, other major sources of this November birthstone include Namibia, Nigeria, Madagascar, Mexico, Myanmar, Sri Lanka and the United States, as well as the historic Russian localities.



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

TOPAZ BIRTHSTONE CARE & CLEANING

Topaz is an 8 on the Mohs scale of hardness, but it has poor toughness, so care is required to avoid chipping or cracking. To clean this November birthstone, do not use steam cleaning or ultrasonic cleaners. Warm, soapy water works best. High heat or sudden temperature changes can cause internal breaks in topaz. The birthstone's color is generally stable to light, but prolonged exposure to heat or sunlight might cause fading in some yellow-to-brown gems. Topaz may be affected slightly by some chemicals.

The coating on Mystic Topaz can withstand normal wear, but abrasive cleaners or buffing wheels will remove it. Only a mild soap solution should be used to clean a topaz birthstone treated in this manner.



Here are some of the many colors of topaz. From left to right: a 9.21 carat (ct.) colorless topaz from Nigeria, a 15.01 ct light blue topaz from Brazil, an 18.41 ct. purplish pink topaz from Pakistan, and a 12.54 ct. orange-red topaz from Brazil. Photo: Robert Weldon/GIA



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

CITRINE BIRTHSTONE

CITRINE BIRTHSTONE MEANING & HISTORY

This November birthstone is the transparent yellow to brownish orange variety of quartz, which has been used in jewelry for thousands of years. Citrine has been a popular gemstone since ancient times and has shared a history of mistaken identities with the other November birthstone, topaz. As a result, people thought citrine had the same powers as topaz. They believed the citrine birthstone could soothe tempers and calm the wearer.

The ancient Greeks carved rock crystal ornaments that glistened like permafrost. Roman pontiffs wore rings set with massive purple amethysts, and citrine has been reported in Roman jewelry. It was particularly popular in colorful Scottish jewelry from the Victorian era. Citrine, believed to derive from the French word for “lemon” (*citron*), is given for the thirteenth wedding anniversary.

Today, most of the citrine in the marketplace results from the heat treatment of amethyst. With its ready availability in a broad range of sizes, citrine birthstone is one of the most affordable and desired yellow gemstones.



A fantasy cut unleashes the fire within this 43.49 ct citrine. Photo: Priscilla Dyer. Courtesy: John Dyer & Co.

WHERE IS CITRINE FOUND?

The top sources for this November birthstone are Bolivia, Spain, Madagascar, Mexico and Uruguay. Amethyst that’s typically heat treated to a citrine color is mined mostly in Brazil.

Deep in the world’s largest freshwater wetland lies Bolivia’s Anahí mine, an important source for natural, unheated citrine. Fields of wildflowers, brightly plumed birds, kaleidoscopes of butterflies, Howler monkeys and jaguars are some of the actors on this vast stage. The story of the mine is worthy of the setting. Discovered by a Spanish conquistador in the 1600s, it was given to him as dowry when he married Anahí, a princess from the Ayoreos tribe of Paraguay. The mine was lost for three centuries until it was rediscovered in the 1960s.



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1



Thousands of crystals with both purple amethyst and yellow citrine have been recovered from the Anahí mine in Bolivia. Photo: Robert Weldon/GIA

The Anahí mine produces a unique combination of amethyst and citrine in the same crystal; when the two colors appear together in a fashioned gem, it is known as ametrine. The citrine birthstones produced at the Anahí mine typically range from orange-yellow to brownish/greenish yellow.



Faceting of the Anahí mine crystals produces citrine, amethyst and ametrine gems. Photo: GIA & Tino Hammid



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

CITRINE BIRTHSTONE CARE & CLEANING

At 7 on the Mohs scale of hardness with good toughness, your citrine birthstone is usually durable enough for normal wear and care. It can be safely cleaned with warm, soapy water. While it is usually okay to clean your November birthstone in an ultrasonic machine, steam cleaning is risky since high heat could cause the stone to crack.



GIA.edu

Orange citrine birthstone ring. Courtesy: Arya Esha

Now that you know a little bit more about the history of these two November birthstones and where they can be found, you just might be inspired to add them to your collection! Having topaz and citrine as your November birthstones gives you numerous choices, as they offer eye-catching colors and sizes. You'll find our [Topaz Buying Guide](#) and [Citrine Buying Guide](#) to be extremely helpful when looking for a November birthstone for yourself or a loved one.



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

OCTOBER BIRTHSTONE – continued Opal and Tourmaline

Crystal Energy:

Mindfulness & Spirituality with November Birthstones

Citrine

Citrine has that undeniable energy to pull you towards positivity. The burst of bright energy and warm light has always captivated people. Mindfulness comes easy while carrying the Citrine stone with you. So, let it accompany you in everyday moments.

Chakra balancing can also be done with Citrine while meditating or doing other spiritual practices. Citrine crystal is mainly associated with two chakras: Solar Plexus and Sacral.

The solar plexus chakra is also known as “Manipura” and is located in your stomach area. It is responsible for living up to your full potential. In other words, it is all about having confidence and self-esteem, so you feel in control of your life.

Citrine stone also works with the sacral chakra responsible for creativity, joy, money, and healthy relationships.

Without these chakras balanced, your confidence can get shaky. Emotional detachment and disinterest in once fun activities can also be true. Wear Citrine jewelry or work with citrine in spiritual practices if you feel down and need a little spring in your step.

Topaz

Topaz is often used for its calming and balancing energy. Here are a few ways it's commonly used:

- * Solar Plexus Chakra Healing: Topaz is believed to resonate with the solar plexus chakra, making it helpful for enhancing personal power and self-confidence. Reiki practitioners may use Topaz to help clients release feelings of self-doubt or low self-esteem.
- * Enhancing Prosperity: Topaz is associated with abundance and prosperity, and is used to help clients manifest their financial and material goals. Reiki practitioners may use it to help remove blockages that prevent clients from achieving success.
- * Promoting Emotional Balance: Topaz is also used to help balance the emotions and promote a sense of inner peace and calm. Reiki practitioners may use it to help clients release feelings of anxiety, stress, or anger.



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1



Conclusion

Since ancient times, November birthdays have been just a little more special with birthstone Topaz and Citrine. Whether it's for you or your loved one, these two lovely stones will foster a special connection with one's inner-self and spirituality and make the birthday a more special occasion.

Blessing - Member - Marlene Flores   



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

What is it? (Section of Rock and Minerals Identification)

Tip #4 – Comparing Rock Properties –Sedimentary Rocks)

Compare the Rock's Properties to Known Rock Types

Now that you have analyzed your rock and made note of as many physical characteristics as possible, it's time to actually find out what it is! You may already have a very good idea of whether your rock is sedimentary, igneous, or metamorphic, so I have divided the tables below accordingly.

Use these tables to find the rock type that most closely aligns with the properties of your rock. If you find a rock that is very close but doesn't quite match, it may be worthwhile to go back and re-evaluate the physical properties that don't align. Also, keep in mind that this list is far from exhaustive.

These tables are pretty comprehensive, but there may be uncommon rock types not listed here. Follow the links for more complete information on each rock type.

3 - Sedimentary Rocks.

The third type of rocks are sedimentary. We covered igneous and metamorphic rocks first, because they form from forces within the crust (melts, temperatures and pressures). Sedimentary rocks are made up of mineral particles or rock fragments that have been cemented together. Sedimentary rocks are also formed from the weathering, erosion, deposition and chemical processes at the earth surface. All three rocks types can be eroded and re-deposited. They are readily discernable from igneous and metamorphic rocks by the presence of grains, layers, and/or fossils. You can [find my post dedicated to sedimentary rock identification here.](#)



Sedimentary rocks are typically subdivided into three groups:

- **Clastic** sedimentary rocks are formed from rock fragments that have been cemented together.
- **Biochemical** sedimentary rocks are formed from skeletons, shells, and organic matter.
- **Chemical** sedimentary rocks are created when minerals precipitate out of solution.



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

Rock Name	Composition	Grain Size	Hardness	Other Characteristics
Sandstone	Quartz, Feldspar	Medium	Hard	Many colors, mostly brown, tan, white, red, yellow
Shale	Clay minerals, Quartz	Very Fine	Hard	Thin layers, usually gray to black, fissile
Siltstone	Quartz, Feldspar	Fine	Hard	Many colors, not fissile, lacks clay minerals
Mudstone/ Claystone	Quartz, Feldspar	Very Fine	Hard	Not fissile, no layers, sometimes refers to limestone
Limestone	Calcite, Aragonite	Very fine	Soft	Often contains fossils, fizzes with acid, usually white or gray
Dolostone	Dolomite	Very fine to medium	Soft	Often confused with limestone. Only slight fizz on fresh surface
Breccia	Varied rock fragments	Fine to very large (varied)	Soft to hard (varied)	Similar to conglomerate, but with angular grains
Conglomerate	Varied rock fragments	Fine to very large (varied)	Soft to hard (varied)	Similar to breccia, but with rounded grains
Arkose	Feldspar, Quartz, rock fragments	Medium to coarse	Hard	Usually gray or red, similar to sandstone, but more feldspar
Greywacke	Quartz, Feldspar, rock fragments	Very fine to coarse (varied)	Hard	Dark gray color, angular grains, many grain sizes
Wackestone	Calcite, shell fragments	Very fine	Soft	Grains supported in mudstone
Coquina	Shell fragments	Medium to large	Medium to hard	Mostly shell fragments, can be poorly- or well-cemented
Evaporite	Halite, Gypsum, etc.	Coarse	Very soft	Rock formed from soluble minerals and evaporation
Chert	Quartz	Very fine	Hard	Many colors, very fine grains, conchoidal fractures. Includes Flint
Oolite	Calcite, Aragonite	Medium to large	Soft	Made of round 'ooids', can be white, gray, reddish



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

Utilize Available Rock Identification Resources

If you've gone through the identification process I outlined above, chances are you'll be able to get a solid answer about what type of rock you have. However, there are some additional tools available that could aid you in the process.

Some of these tools I have found very useful, while others are hit-and-miss. If you choose to use any of them I would still highly recommend making a note of all the physical properties of your rock that I outlined above.

My book! **Practical Rock Identification**

Here are some of the most popular rock identification tools available:

- [Smithsonian Handbooks: Rocks & Minerals](#) – This book is the most useful I have found for help in identifying rocks and minerals. It has gorgeous pictures and nice descriptions of hundreds of rocks and minerals. The only drawback to a book like this is that it can sometimes be difficult to sift through to find a rock that matches yours. Even if you have gone through the process of documenting your rock's physical properties, it can take a while to match it with a rock type in the book.
- [The Rock Key](#) – This tool is a little dated but the concept and information are great. Using many of the physical properties I listed above, you just answer questions about your rock and it moves through a flow chart until you land on an answer. It's a little simplistic and doesn't cover every type of rock, but for most major rock types it works very well.
- [Stone ID App \(Google Play\)](#) – This app uses AI and image recognition algorithms to identify what kind of rock you have. You can also [find it on the Apple store here](#). I have found that this app (and others like it) is unreliable, but your mileage may vary. They rely on sophisticated algorithms that compare an image of your rock (taken from your phone) to thousands of others. Sometimes it works, and sometimes it doesn't. If nothing else, it's fun to play around with!
- [What Is The Rock? Subreddit](#) – This is a place dedicated to trying to figure out what kind of rock you have. It is often difficult to tell what a rock is based solely on pictures, so the more information you can provide (like the physical properties I listed above) the better. Take nice, well-lit pictures from multiple angles, and then make a post on the subreddit. Users (maybe even me!) can then discuss and make the best guess about what kind of rock you have.

By the way, if you want to learn all you can about rocks and minerals, I would highly recommend subscribing to [Rock & Gem Magazine](#). They have great articles from knowledgeable and respected geologists and gemologists all about **rock collecting, faceting, field trip ideas, and projects for kids**. It's a must for any aspiring rockhound!



Get an Outside Opinion, if Needed

If you have gone through all of these steps and you still haven't come to a satisfactory answer, there are some additional measures you can take. Geology can be absolutely crazy sometimes, and there are a lot of rocks out there that can stump even the most experienced rockhounds.

The first thing I would suggest is to **take your rock to a local rock shop, rockhounding club, or the geological survey for your state or country**. You'll find some experienced geologists and enthusiasts at these places who are



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

likely extremely familiar with the local geology. This is particularly helpful if you found the rock locally – chances are that you'll be able to find someone who has seen a rock just like yours.

Consider Alternative Explanations

I would advise you not to get too hung up on rocks that 'look strange'. Some rocks have odd shapes or features that leave people scratching their heads. While these features can sometimes be useful for identification, they are often more distracting than anything else. **Stay focused on the physical properties listed above when trying to identify your rock.**

One last thing to consider is that what you find may not be a rock at all. **I often see people posting pictures online asking for help identifying their 'rock' that is actually slag (a waste product formed from smelting), manmade brick or concrete, or colored glass.** These types of finds can be really cool looking but can be confusing when people think they've found a rock.

In a similar vein, **your rock may be a single mineral type.** If you've found a crystal, gemstone, or other uniform-looking rock (especially if it displays any sort of crystal structure) you may be barking up the wrong tree. The rock identification methods in this article won't be of much use, so you should instead use mineral identification techniques.

About Me

I'm Mike Rhea, and I'm a professional Geologist with a passion for rocks, minerals, and everything related to Geology. I enjoy collecting and tumbling rocks with my daughter and traveling the world with my wife seeing geologic wonders. This site is devoted to sharing my love of rocks with you.



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

On the Punny Side:

With the hope that you still have an “apatite” for the puns and that you can’t hold a “stone” cold face when reading them. I will just metamorphose them up for you.

- **Why did the rock decide to hit the gym?**
Because he wanted to be bigger and “boulder”.
- **When were rock puns the funniest?**
During the “stone age”.
- **Why were the rock couple getting a divorce?**
Because their relationship had “eroded”!
- **How do geologist show their displeasure?**
They give you the “coal” shoulder.

These are real “gems”, don’t you think? If I got a smile out of you then these are gems!!!

Please rate these puns on a scale of smile to I got your rocks off!!!! Pun intended again.



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

Calendar of Events

July 17 th 2024	FGCG&M Society's Monthly Meeting
August 21 th 2024	FGCG&M Society's Monthly Meeting
September 18 th 2024	FGCG&M Society's Monthly Meeting
September 29 th 2024	Tri-county Picnic
October 16 th , 2024	FGCG&M Society's Monthly Meeting At this meeting, the club will open the officer and board of director nominations to the club membership.
November 20 th 2024	FGCG&M Society's Monthly Meeting At this meeting the club will accept Officer and Board of Directors nominations from the floor, close the nomination process, create the slate of candidates and start election procedure
December 18 th 2028	FGCG&M Society's Monthly Meeting & Christmas Party Seven (7) days prior to the December meeting ballots are due.

The new Officers/Board of Directors, for the upcoming year, will be announced at the December meeting.



Florida Gold Coast Gem and Mineral Society

The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

2024 Snack Volunteers

June	Ernie & Tove Ashurst
July	Stephanie Struss
August	Ariel Helman
September	Julio Lopez
October	Beverly Norona
November	Marlene Flores
December	Christmas Party – No Volunteer(s) needed

Please contact Ariel Helman @ 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	pochiepawlor@aol.com	pochiepawlor@aol.com
Treasurer		Beverly Norona	954-205-5815	bevn12345@aol.com	
Sunshine Chair		Mirtha Rimarachin	954-948-7657	mrmarac88@gmail.com	
Member Committee		Robert Allen	954-981-2307	rca39@yahoo.com	
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	



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



November 2024, Vol. 34 Issue 1

Advertisers:

Ye Olde Rock Shoppe



Ye Olde Rock Shoppe
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Yeolderockshoppe@comcast.net
<https://yeolderockshoppe.com>

The Crystal Cave Rock and Gem Shop



Crystal Cave Rock and Gem Shop
6835 Stirling Road,
Fort Lauderdale Florida 33314,
<https://thecrystalcaverockandgemshop.com>
Phone: (954) 585- 8988 Fax: (954) 585-8988
Email: jackiescrystalcave@att.net



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



Florida Gold Coast Gem and Mineral Society The Golden Nugget Newsletter



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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 floridagemmineral@gmail.com

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: