



THE ROCKHOUND

Official publication of the Gem & Mineral Society of the Palm Beaches, Inc.
www.gemandmineral.cc

February 2011 Volume 45 Issue 7

The next general membership meeting will be held

Thursday, February 17, 2011

7:30 PM at the West Palm Beach Garden Club
4800 Dreher Trail North, West Palm Beach, FL 33405-3018

February Program

Michelle Renné and Alan Meltzer will be introducing us to dinosaur fossils. These Jurassic stones aren't just interesting and of paleontological importance, they are beautiful as well! If you aren't familiar with colorful jewelry made of gem quality dino bone, this is your chance to see world class finished pieces and well as polished large specimens gem bone material. There will be ample examples of bone on display and you'll be able to see how Mother Nature created detailed snapshots of the gorgeous cell structure that's so highly prized by collectors and jewelers.

(Apologies to all for last month's program not being as expected...just goes to show that email does not beat a phone call....Thanks to Bob Hundley for his impromptu lecture! *Jeff Ursillo*)

PRESIDENT'S MESSAGE

Hello everyone! I want to thank all of our members, old and new, for coming out to the January meeting! We had an AMAZING turnout! I hope that kind of attendance continues throughout the year. I also want to thank Bob Hundley, who gave us a wonderful impromptu program! If any of our other members have great hobby related stories, we would love to hear them. If you're not into public speaking, that's ok. You can always write it up for newsletter!

There are still a couple of open positions on the Board, and we are looking for a few good Rockhounds to fill them up. We are looking for a Secretary, as Nina Murray has expressed interest in taking the 1st Vice President spot. Secretary is a position that requires you to attend two meetings a month, and take notes at both. We have templates that make the note taking easy, and typing it up even easier.

We also have an opening for a Social Committee chairperson! This is the fun job that allows you to organize the Club's picnics and social events! The board members are more than willing to help out any new person wanting to give this a shot. Fieldtrip coordinator is also an open position right now. This position asks that you make some phone calls and find fun and interesting places for us to visit! It's hard to rockhound in Florida, so think creatively!

Thank you again to all the members, and remember a member is a volunteer!

Jen Ursillo

"Always dream and shoot higher than you know you can do. Don't bother just to be better than your contemporaries or predecessors. Try to be better than yourself."
Robert Faulkner

February Birthdays

Sandra Belegi
Kala Norton

Lester H. Libenson
Leonard Peddy
George Waller

Elizabeth Matthews
Jay Sonnenburg

"For all the advances in medicine, there is still no cure for the common birthday." ~ John H. Glenn

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.

"I confess there are times when I feel like I'm still little Dutch Reagan racing my brother down the hill to the swimming hole under the railroad bridge over the Rock River. You see, there's no sweeter day than each new one, because here in our country it means something wonderful can happen to you. And something wonderful happened to me." -- *Ronald Reagan at the 1988 Republican Convention*

Door Prizes.....Raffle Items

January door prize: Hill tribe silver pendant and more surprises !

Raffle prizes: a pair of bookends, auto-graphed copy of the book "Jade" by Louis Zara, a geode, quartz cup (or pencil holder!) lead specimen from Chilson Hill, Ticonderoga, NY, a silver ring and a silver pendant

We are always looking for extra prizes to put out for the raffle. If you are thinning out your collection, doing some spring cleaning or just feeling generous, bring whatever you would like to donate to a meeting and give it to me.

*Harriet Flashenburg
Raffle Coordinator*

LAST CALL FOR RENEWALS

This is the last issue of the Rockhound you will receive if you have not paid your dues for 2011.

Dues for the GMSPB were due by the end of the December 2010. Please take the time to renew now. There is a renewal form included with this issue of the Rockhound.

NEWSLETTER SUBMISSIONS

Please have items for the next ROCKHOUND by **March 2, 2011**. Submissions can be emailed to BNMJEFF@AOL.COM
Or you can call Jeff Ursillo 561-706-9549

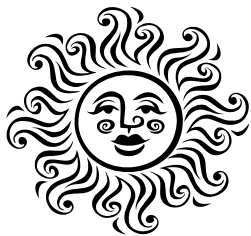
The Rockhound
Copyright 2011
by the

Gem & Mineral Society of the Palm Beaches, Inc.

Permission to reprint original material herein not otherwise copyrighted is granted provided credit is given to both author and publication.
Articles not bylined are by the Editor.

The Society is on Facebook!

Search Facebook for Gem and Mineral, bookmark it and become a "fan" when you get there.



Sunshine Committee

Do you know anyone who is not feeling up to par, has been sick or injured, lost a loved one? Or on the silver lining side of things, do you know anyone who has

achieved a goal, won a personal victory, or just something that deserves recognition? The Gem & Mineral Society has a Sunshine Committee to send cards and words of comfort and support and congratulations to those members who are in need or are deserving of it.

Call Lo Rain at 561-827-5793 and let her know what needs to be done!

Apologies....

There is a saying about computers, GIGO, which stands for Garbage In, Garbage Out...meaning if you start with bad information, you can only go downhill from there....with that said, for those who had been trying to contact Jack Stamper about the silversmithing class, the wrong phone number snuck into the class list last month. His correct number is listed in the chart this month...



anything unrelated to elephants is

irr elephant

SHOW REPORT

The next show committee meeting will be April 14, 2011 7:30PM at the shop. If you are interested in working on the 2011 show, now is the time to jump in!!

*Barbara Ringhiser & Jeff Ursillo
Show Committee Chairs*

JUST ONE LITTLE MEMBER

This cleverly written piece of unknown origin accentuates the importance of every member being involved in the work of this organization.

Xvxn though This kxyboard is an old modxl, it works quitx wxll xxcxpt for onx kxy. I havx wishxd many timxs that it workzd pxfxctly. It is timx that thxr arx forty-onx kxys that do function wxll nough, but just onx kxy not working surx makxs a diffxrxncx!

Somxtimxs a club is likx this kxyboard -- not all thx mxnibxrs arx working propxrlly. You may say to yoursxtf, "Wxll, lam only onx pxrson. I won't makx or brxak a projct." But, it doxs makx a diffxrxncx bxcausx any projct, to bx xftxctivx, nxxds thx participation of vxvxy mxmbxr.

So, thx nxxt timx you think you arx only onx pxrson and That your xfforts an not nxxdxd, rxmxmbxr this kxyboard and say to yoursxlt, "I am a kxy mxmbxr in this club, and I am nxxdxd vxry much".

From Tumbler via Shin Skinner news 9/07

MICROMOUNTERS

Save the first Thursday of the month....

All are welcome. If you would like to see a new world of beautiful, symmetrical, colorful, minerals, please join us. We have giveaways at every meeting, and, usually some yummy munchies.. feel free to bring munchies, drinks, microscope (if you have one), and an open mind... Directions? Questions?

Call KC Foster at 561-968-5287

Interested in Advertising in the Rockhound?

Contact Editor Jeff Ursillo at bnmjef@aol.com or 561-706-9549 for rates and availability

Minutes of the December, January & February Membership Meeting will be in the march Rockhound

UPCOMING SHOWS

February 18 - 20, 2011: Vero Beach, FL - The Treasure Coast Rock & Gem Society. 35th Annual Gem & Jewelry Show. Vero Beach Community Center corner of 14th Ave and 23rd Street (2 blocks north of US 60 & 1 block west of US 1. Fri:noon - 5PM, Sat: 10AM - 5PM, Sun:10AM - 4PM. Coupons for \$1 off admission will be available at our 2/17 meeting.

March 4-6, 2011: St. Petersburg, FL - The Suncoast Gem and Mineral Society. 41st Annual Gem, Jewelry & Mineral Show and Sale, The Minnreg Bldg, 6340 126th Ave N., Largo, FL 33773. Hours: Fri & Sat 10-6, Sun 10-5. Hourly Door Prizes & Grand Drawing at end of show! Free Parking. Contact Bill Schmidt, Show Chair, 727 822-8279 or schmidwj@Eckerd.edu

March 11-13, 2011: Augusta, GA - Aiken Gem, Mineral & Fossil Society. 23rd Annual Aiken-Augusta Gem, Mineral and Fossil Show, Julian Smith Casino, 2200 Broad St. Hours: Fri & Sat 10am-7pm, Sun 10am-4 pm. Admission: \$3 Adult, children under 16 FREE with an adult. Contact: www.augustagemandmineralsociety.org.

March 12, 2011: Bartow, FL-Imperial Bone Valley Gem, Mineral, and Fossil Society. Polk County Extension Service Building, Highway 17 S. Contact Cindy at 863-255-5256.

March 05 - March 06, 2011 Pompano Beach FL
Intergalactic Bead Show, Olson Civic Center
10 am—5 pm both days
www.beadshows.com

Great New Opportunities for Classes!

The Board recently decided to make a couple of exciting changes to the way classes are offered here at the club. Based partially on previous concerns about the location of the shop, and partially on a desire to help fellow artists in the community, we will no longer be holding beading classes through the club on a trail basis. We will continue to offer lapidary, silver smithing, glass fusing, and the like, at the shop, but we are going to be partnering up with local bead stores to offer you discounts and tons of different classes to choose from!

We are doing the trial period Beads on the Ave in Delray Beach. If the system works, we will be extending the offer to several other bead stores in the area. Here's the deal:

Book your class through Beads on the Ave, and make sure to tell them you are a Gem Society member! The club receives a donation equal to about 1/3 the cost of the class (most classes are \$30). Members receive a 15% discount in the store whenever they shop, and a 20% discount the day of the class.

Beads on the Ave is located at 151 NE 2nd Ave, Delray Beach, Florida 33463, Two blocks East of Swinton Ave, and a block and a half North of Atlantic Ave. Visit the store's website at www.beadsontheave.com for the current class calendar, or call 561-278-6977 for more information. Feel free to call Jen Ursillo at 561-329-4343 with any questions you may have (please leave a message if you get the voicemail).

FRIDAY NIGHTS AT THE MUSEUM !

The Science Museum has invited us to promote our club at their special Friday Nights. January was the first one for us and VERY busy! Alan Meltzer and Keith Klein were there with samples of dino bones and crystals. They spoke to the guests and handed out info about our club. Thanks to both of you! Anyone who would like to sit at our table on the last Friday of the month (February 25) from 6-10 pm (or so) please contact Tracey Norris at 561-308-3200. You can bring some of your personal collection to share but it is not necessary. We need at least two people each month. Come have some fun !

Shop news...

Good News! As this report is being written, a new 6 inch trim saw has been ordered for the shop. It should be installed by February 12th. Please, to all who use the shop and the saws, NO METAL is to be used near the saws. If you need to use a pusher to feed the slab into the blade, use a piece of wood or plastic. Metal RUINS the blade....

Please check the calendar for open shop nights. If the calendar mentions to call first, please give at least a days notice to the Steward listed to be sure they can open the shop that night. If it does not mention calling first then the shop will be open that night at the times indicated.

To use the shop equipment, you must have either taken a class and be certified on the equipment, or be able to demonstrate to the attending steward that you are proficient on the equipment.

If you plan on attending a Saturday open shop please give Jeff Ursillo a call at 561-706-9549 by Friday. The change from a scheduled open shop every other week is due to minimal use of the Saturday time. If there are other times any of our members would like to see the shop open, let John, Ed or myself know and we will be glad to work with you on getting additional times covered. The shop is a great resource and we would love to see it being used more!

The Shop Stewards

FOR SALE

The Show has a 1 HP pool pump for sale. This is the pump that was used once a year for the flume. The pump runs great but is too strong for the new flume. If interested contact Ron Ketelaar at 561-588-3260

“What you know today can affect what you do tomorrow, but it cannot affect what you did yesterday.”

Condoleezza Rice

Board Meeting Attendance 2011

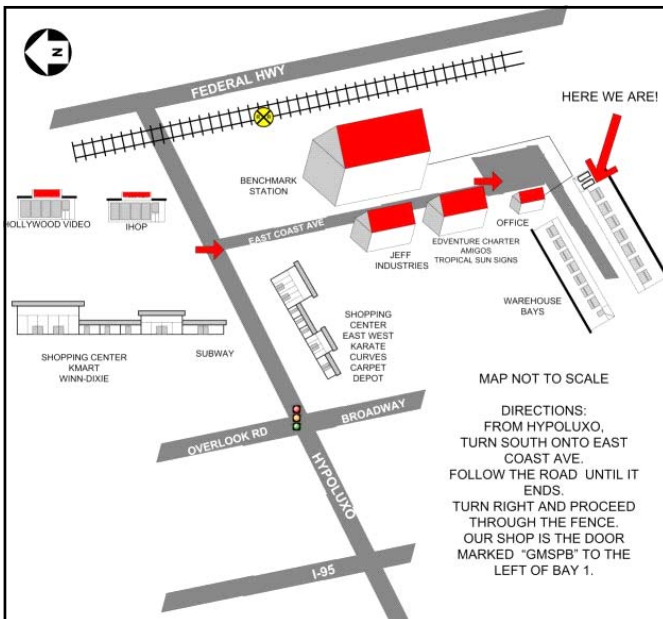
For general information. SB (snow bird) means up North for the summer, SBR means up north and reporting to Board.

Board Member	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jen Ursillo, Pres.	Y	Y										
1st VP												
B. Ringhiser 2nd VP	Y	N										
N. Murray, Sec.	Y	Y										
M. Berkowitz, Treas.	R	Y										
M. Renné. Past Pres.	Y	N										
S. Cairl Membership	R	Y										
J. Ursillo, Newsletter	Y	Y										

The **ROCKHOUND**

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

Where is the GMSPB's shop???



We would like to extend a special **Thank You** to all of our advertisers!

Please be sure to patronize them and thank them for Supporting the Society.

GEMSTONE AND BEAD

Direct Importers
Wholesale to the Public

Your one stop shop for
Gemstones, Flatbacks,
Findings, Tools and Displays.

Make your own Jewelry
and Gifts
Free Classes Saturdays
Lowest Prices

**1937 N. Military Trail Ste #1
West Palm beach
On the SW Corner of
Military & Okeechobee
687-3663**

CLASSIFIED ADS

FROM A MEMBER LOOKING TO PURCHASE
PETRIFIED WOOD AND LAPIDARY EQUIPMENT.

DON CHENOWETH, SR
352-601-5119
email: dhctravelingman@tampabay.rr.com

Garage sale Moving

Selling individually designed necklaces
by "KALA of Palm Beach"
Incredibly low prices
Call Kala 561-733-1590



MANUFACTURED AN AMERICAN OWNED ADVERTISING
COMPANY FEATURING ONLY
PRODUCTS MADE IN THE U.S.A.
BE SURE TO VISIT OUR WEB PAGE:

www.manufacturedinusa.net
EMAIL: SALES@MANUFACTUREDINUSA.NET
www.manufacturedinusa.us

RUTH CHENOWETH President OFFICE: (352) 419-4145
DON CHENOWETH SR. Secretary CELL: (352) 601-5119

Don, Past President, Ruth, Past Secretary of the
Gem and Mineral Society



ResMac

Residential Mortgage Acceptance Corp.
1401 Sawgrass Corporate Parkway
Sunrise, Florida 33323

Cell 561-271-3895
karendorsey@bellsouth.net

Karen Dorsey
Senior Mortgage Originator

www.resmac.us



DANNYSVAN.COM
PASSENGER TRANSPORT SERVICE
AIRPORTS • SEAPORTS • EVENTS • CONCERTS • PUB CRAWLS

DANNY'S VAN

Let us provide all your transportation
• Airports • Seaports • Events • Concerts • Pub Crawls

Courteous & Prompt • Licensed & Insured • Firefighter Owned

561.271.1661 • www.DannysVan.com

*******REMINDER*******

The Board would like to remind everyone that there is NO selling at the regular membership meetings. The TY Park outings as well as the scheduled Member's sale are available for selling. Bringing items in for an informal "Show and Tell" is fine, but not for sale.

There is NO PARKING in the circular drive or on the grass bordering it in front of the Garden Club. We can park in the Parking lot that is across from the Museum, or in the grass field to the west of the Garden Club (left side of the building as you face the front door).

Safety Report
Safe Safety SAFETY

by George Browne, SCFMS Safety Chair, from SCFMS Newsletter 7-8/2005

Causes: What causes us to do the often dumb and sometimes stupid things that may result in property damage, injury and "heaven forbid" fatalities? Well, unfortunately there is no single cause because if there were, we could correct it and we would all be safe. In the real world, there are numerous causes which singularly or collectively contribute to our problem. Perhaps if we can identify some of them, we can eliminate them and increase our chances of being safe. The following is not a complete list. I'm sure you can think of additional items—and that is good. The purpose of this article is to make you think—safety—Safety—SAFETY.

Knowledge: I think most rockhounds know how to be safe. It is your responsibility to be aware of the hazards associated with your equipment and the materials you handle. It's just dumb to get hurt because you didn't read the instructions.

Apathy, Arrogance: Why do you think you are immune from injury? Perhaps if you thought about the bad consequence you would change your attitude. To become blind or lose a hand because you didn't care or because you wanted to show how daring you are is absolutely stupid.

Carelessness, Inattention: These are the most common causes of injury. You must be aware of what you are doing and how you are doing it. Pay attention, be aware, use caution. Keep your head in the game. A little carelessness can result in a lifetime of permanent disability.

Awareness: Know your surroundings, avoid dangerous areas, be alert for danger. You must admit it's just dumb to pick up a piece of metal that you just heated with a torch. These are just a few of the causes. The important thing is to constantly think about safety. Most injuries are caused by dumb acts. Before you do anything, determine if it is safe. Be sure you have the proper equipment. Develop a safety attitude, keep alert, and practice safety until it becomes routine. Our hobby is much more enjoyable when it doesn't hurt! Safety is your job—do it! Be safe, and develop a safety attitude!

Graves Mountain "Rock Swap and Dig"

8 am to 6 pm, Friday, April 22, 2011

8 am to 6 pm, Friday, October 7, 2011

8 am to 6 pm, Saturday, April 23, 2011

8 am to 6 pm, Saturday, October 8, 2011

8 am to 6 pm, Sunday, April 24, 2011

8 am to 6 pm, Sunday, October 9, 2011

You are invited to field collect minerals at Georgia's premiere mineral location! The caretaker in charge of Graves Mountain, Clarence Norman Jr., has announced plans to hold two three day digs and rock swaps on the Mountain during 2011. He will have the mountain open to collecting from 8 am to 6 pm each day. All participants must stop at the welcome table in the Hospitality tent to sign a liability release and make a small contribution to defray the cost of opening the mountain and providing port-o-lets. There will be several golf cart type, four wheeled vehicles available to transport those participants who have trouble walking long distances. The dig will cease and everyone is expected to be off the mountain by around 6 pm each day. Participants will be allowed to park in a designated area on the mountain.

Rock Swap and Hot Food/Drinks:

Junior will set aside an area in the upper parking lot for tables to be setup for daily rock swaps. Anyone who would like to setup a table(s), please contact Junior at the phone numbers listed below. Hot food cooked on the grill, cold drinks and chips will be available for purchase on the mountain during all three days of these events. Don't forget to bring some extra money to buy the special "Graves Mountain Rock Swap and Dig" T-shirt!

Mark your calendar and tell all your friends about this great event!

THIS DIG IS OPEN TO ALL. NO NEED TO SIGN-UP, JUST SHOW UP!

Contact Information: Clarence Norman Jr. (Junior) - 706.359.3862 (his business) or 706.359.2381 (his home)

Larry from ConnRox Minerals (www.connroxminerals.com) posted the following on one of Yahoo's rockhounding groups:

I have added a few So. African amethyst pieces, known as "Spirit Quartz", or "Cactus Quartz". An interesting story comes along with these. Supposedly, when they were first discovered by natives near the Magliesberg Mountains, near Pretoria, and they found out they could be easily sold, the villagers started digging, following the quartz veins. Soon, holes were everywhere, houses started falling over, gardens were ruined, roads got closed with rubble, and the town had to be deserted, and a new one built nearby. Yes, the lust for minerals can be destructive! Don't we all know that!

The specimens can be seen at: <http://www.connroxminerals.com/Amethyst.html>

An adventure waiting for you....

“We would like to invite you to visit our newly opened store in Legacy Place. You may be interested in our wide selection of minerals, fossils, gemstone jewelry and beads, plus much more. Mention this email/coupon – no need to print it.

TAKE \$ 5 OFF \$35 PURCHASE TAKE \$ 10 OFF \$60 PURCHASE VALID TO MAY 1 2011

We look forward to seeing you - New Earth Gifts & Beads 561-799-0177

**Legacy Place, Palm Beach Gardens
Across from Barnes & Noble, next to Vitamin Shoppe “**

I had the opportunity do drop by this new store after the January “Down the Street Bead Show” and all I can say it is worth a visit. The best way to describe the shop is combination of a bead store, a rock and fossil shop and a new age shop all in one! Throw a few swords in for good measure and you have a good idea of the range of goods they provide. They are active on Facebook as “New Earth Gifts and Beads” where there are plenty of pictures of the store’s wares. If you are in the area, it is a fun place to stop and spend some time. They have also been actively promoting our Society to their customers.

Jeff Ursillo

How to Cut Obsidian

Gold Sheen: To get the most out of mahogany gold sheen obsidian, saw with the bands, as if they were a stack of plates, and you wish to unstick them. Watch for "fire spots" in gold sheen. It is not plentiful, but opal-like colors do sometimes occur in mahogany gold sheen.

Iridescent: There are two types of iridescent obsidian. In cutting both correctly, the orientation of the color is most important. One type of obsidian is banded and the color lies in the bands. On the unbanded types of obsidian the surface has to be chipped to find the color. The banded type will have several colors or shades, while the unhandled types will have only one color. Cut the banded material parallel to the bands to get effect. To get rainbow effect, cut the stone at an approximately 15 degree angle across the bands.

Midnight lace: Lace patterned obsidian should be cut across the surface pattern that you desire to reproduce. Though obsidian is comparatively soft, it is still very important to sand away all scratches before going to polish. Some advise that wet sanding be done, since obsidian is heat sensitive and very brittle. For final polish, felt with cerium oxide is the choice. Should you be faceting some particularly gemmy obsidian try serium oxide on Lucite, but keep it wet.

Rainbow Obsidian: Cut parallel to flow layers. These can be seen by examining fractured surfaces using an overhead single lamp bulb. As these are not always straight, it may be necessary to turn the stone slightly in the saw. Examine each slab set with either water or saw oil to see if the correct angle has been obtained.

Safety Tip: After obsidian is sawed, be sure to bevel the edges all around on your fine grinding wheel to keep them from flaking and chipping. Wear goggles or glasses at all times, if a small chip of glass (obsidian) got into your eye, it would be hard to remove as it is transparent and hard to see even with a powerful magnifying glass, and the edges may cut your eye to a great extent before it could be removed.

Grinding Obsidian Cabs: Approach your grinding wheel with the material at a slight horizontal angle. If brought straight in, it may be a "shattering" experience, as obsidian fractures conchoidally and this is a sure way to do it.

Polish on Obsidian: Keep the polishing wheel wet. A dry polishing will result in blisters and scratches. Obsidian is relatively inexpensive, easy to obtain and soft. With proper understanding of its glassy properties you can obtain some beautiful results.

Author unknown, from Golden Frog 2/05, via prospector newsletter 10/07

Volcanic Fish Out of Water

By Phil Berardelli *ScienceNOW Daily News 6 May 2009*

Ol Doinyo Lengai is a maverick. Of Earth's hundreds of active volcanoes, it's the only one currently producing a black, runny lava instead of the familiar goopy, glowing red stuff. Now, an international team of researchers thinks it has found the explanation for the unusual behavior of the Tanzanian volcano, which has to do with its location and the future of the African continent.

Africa is fracturing. Everything east of the Great Rift Valley--a 6000-kilometer gash that runs from Syria to Mozambique--is imperceptibly moving into the Indian Ocean. The valley itself is slowly sinking, and millions of years from now it will rest on the sea floor. Smack-dab in the middle of the valley sits Ol Doinyo Lengai, a classic volcanic cone rising nearly 3000 meters. But the mountain's eruptions are anything but classic. Its lava, called carbonatite, is nearly free of silicon oxide, which in sufficient quantity produces the blazing-hot, flame-red flows people typically associate with volcanoes. Instead, Ol Doinyo Lengai's carbonatite lava is much cooler--only about 500°C, compared with 1000°C or more for conventional eruptions. It also flows easily and rapidly, more like water than lava. Initially, the carbonatite is black but turns white quickly after exposure to rain and surface water.

Ol Doinyo Lengai's idiosyncrasies have puzzled scientists since the 1960s. So, volcanologist Tobias Fischer of the University of New Mexico, Albuquerque, and colleagues gave the volcano a more intense look. They focused on another peculiarity: The volcano contains numerous small fissures inside its cone that are venting gas coming directly from the mantle layer deep below the surface. Normally, volcanic vents are larger and quickly mix with the surface air. The team reports tomorrow in *Nature* that the gas they collected from these fissures contains carbon dioxide, helium, nitrogen, and argon--indistinguishable from volcanic gas released from vents in the sea floor. Essentially, the volcanology of the region is beginning to take on the characteristics of the processes at work at the bottom of the ocean, because that's where the Great Rift Valley is headed.

So, why is the mountain spewing out thin, runny, carbonatite lava? Fischer says it has to do with the thinness of Earth's crust beneath the volcano. "It's like a small [component] has separated from the nephelinite," a more silica-rich rock that originates in the mantle and generates conventional lava, he explains--like the oil that collects at the top of a jar of peanut butter. The carbonatite probably collects in small zones near the top of Earth's mantle, just below the crust. Wherever the crust is thin enough--on the ocean floor and the floor of the Great Rift Valley--the carbonatite can push through to the surface more easily, he explains. But it's a fleeting product, he says. For one thing, Ol Doinyo Lengai is too big a mountain to have been formed out of carbonatite, which is relatively soft and erodes quickly. For another, the team's analysis shows that the carbonatite eruptions are ending. "Right now, [the mountain is] switching back to nephelinite."

The research is solid, says geochemist Ken Sims of the Woods Hole Oceanographic Institution in Massachusetts. It reveals more about how Earth's mantle, and the magma it contains, reaches the surface. Most of the planet's internal chemical stratification, surface features, oceans, and even its atmosphere are manifestations of this process, Sims says, so learning more about volcanoes helps us understand how those systems operate.

ENJOY!!

E E C H R Y S O P R A S E T S
 T E T I L A D O S P I N E L S
 I T L O N Y X E N O N L E E A
 S A Z T R A U Q D S Y C L L E
 O Y E L Y R E B O R O N A I T
 R D B O R T D L O G A P H T I
 H I O U C K R E V L I S S U N
 C A T U R Q U O I S E H O R O
 O M I C A E T I L U H T U C G
 D O J A D E L A T S Y R C O A
 O N O C R I Z M L D F E L P X
 H D I F F U T B E A V H A P E
 R H Y O L I T E T R P C T E H
 P E N I L A M R U O T O K R T

AMBER	ONYX	BERYL
OPAL	BORON	QUARTZ
BORT	RHODOCHROSITE	
CHERT	RHYOLITE	CHRYSOPRASE
RUBY	COPPER	RUTILE
CRYSTAL	DIAMOND	SILVER
GOLD	SHALE	HEXAGONITE
SODALITE	JADE	SPINEL
LAPIS LAZULI	TALC	MICA

February 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
		1 Board Meeting 7:00 PM Shop	2 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	3 Cab Class 6-9 PM Shop	4 Open Shop 6-9PM General Work Jeff 561-706-9549	5 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach	
6	7 Open Shop 7-9PM Call first Michelle 561-644-2323	8 Fused Glass Open Shop 9 Am—Noon Cab Class 6-9 PM	9 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	10 Cab Class 6-9 PM Shop	11 Open Shop 6-9PM General Work Jeff 561-706-9549	12 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach	
13	14 Open Shop 7-9PM Call first Michelle 561-644-2323	15 Fused Glass Open Shop 9 Am—Noon Cab Class 6-9 PM	16 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	17 <div style="border: 1px solid black; padding: 5px; text-align: center;">Membership Meeting @ Garden Club 7:30 PM</div>	18 Open Shop 6-9PM General Work Jeff 561-706-9549	19 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach	
20	21 Open Shop 7-9PM Call first Michelle 561-644-2323	22 Fused Glass Open Shop 9 Am—Noon Cab Class 6-9 PM	23 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	24 Cab Class 6-9 PM Shop	25 Open Shop 6-9PM General Work Jeff 561-706-9549	26 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach	
27	28 Open Shop 7-9PM Call first Michelle 561-644-2323	<div style="border: 1px solid black; padding: 10px;">Saturday open shop available... Please call the day before to let me know you will be there Jeff 561-706-9549</div>					

From Wikipedia..The difference between Rocks and Minerals: A mineral is a naturally occurring solid with a definite chemical composition and a specific crystalline structure. A rock is an aggregate of one or more minerals. (A rock may also include organic remains and mineraloids.) some rocks are predominantly composed of just one mineral. For example, limestone is a sedimentary rock composed almost entirely of the mineral calcite. Other rocks contain many minerals, and the specific minerals in a rock can vary widely. Some minerals, like quartz, mica or feldspar are common, while others have been found in only one or two locations worldwide. The vast majority of the rocks in the earth's crust consist of quartz, feldspar, mica, chlorite, kaolin, calcite, epidote, olivine, augite, hornblende, magnetite, hematite, limonite and a few others.

March 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 Board Meeting 7:00 PM Shop	2 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	3 Cab Class 6-9 PM Shop	4 Open Shop 6-9PM General Work Jeff 561-706-9549	5 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach
6	7 Open Shop 7-9PM Call first Michelle 561-644-2323	8 Fused Glass Open Shop 9 Am—Noon Cab Class 6-9 PM	9 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	10 Cab Class 6-9 PM Shop	11 Open Shop 6-9PM General Work Jeff 561-706-9549	12 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach
13	14 Open Shop 7-9PM Call first Michelle 561-644-2323	15 Fused Glass Open Shop 9 Am—Noon Cab Class 6-9 PM	16 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	17 <div style="border: 1px solid black; padding: 5px; display: inline-block;">Membership Meeting @ Garden Club 7:30 PM</div>	18 Open Shop 6-9PM General Work Jeff 561-706-9549	19 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach
20	21 Open Shop 7-9PM Call first Michelle 561-644-2323	22 Fused Glass Open Shop 9 Am—Noon Cab Class 6-9 PM	23 Open beading 6—8 PM at Beads on the Ave. 151 NE 2nd Ave Delray Beach	24 Cab Class 6-9 PM Shop	25 Open Shop 6-9PM General Work Jeff 561-706-9549	26 Open beading 10:30—2 PM at Gemstone & Bead 1937 N Military Trl # 1 W Palm Beach
27	28 Open Shop 7-9PM Call first Michelle 561-644-2323	29	30	31	<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 80%;"> Saturday open shop available... Please call the day before to let me know you will be there Jeff 561-706-9549 </div>	

**Please note on your shop waiver form that you have received and read the shop rules.
 New liability forms need to be signed in 2 places for anyone using the shop.**

\$5 shop use fee is NOT charged when attending a class. Whether attending a class or using the shop, you must sign a Liability Waiver (New waiver must be signed after the first of every year). **and** sign the Shop's Log book on each visit. Jump ringer certification is available on Monday or Friday nights.
 Jump Ringer blades are available at the shop.

Classes

Members interested in classes should check the Class Folder at the monthly meetings, or contact the teacher directly to schedule a class. The teachers will then be responsible for contacting the Head Shop Steward to make sure the shop is available. The class coordinator will be a central information point between teachers and the Society and will still report on classes at the meetings.

CLASS	INSTRUCTOR	COST	DATE	TIME
Art Clay Silver	Michelle Renné 561-644-2323	\$50 + \$85 materials (depending on cost of silver)	Saturday, TBD	10-4PM at the Shop
Cabochon Six 3-hr sessions	Ed Flashenburg 561-733-1466	\$60	Off for the Summer	6-9PM at the Shop
Chain Making (Beg) – Box Chain	Kelly Azor 561-688-7903	\$30 + \$25 materials	Saturday, Date TBD	1-4PM at the Shop
Chain Making (Beg) – Byzantine Chain	Kelly Azor 561-688-7903	\$30 + \$25 materials	Saturday, date TBD	1-4PM at the Shop
Chain Making (Beg) – Japanese Exploration	Jen Ursillo 561-329-4343	\$30 + \$25 materials	Tuesday, date TBD	7-9:30PM at the Shop
Chain Making (Adv) – Snake Chain	Jen Ursillo 561-329-4343	\$30 + \$25 materials	Saturday, date TBD	1-4PM at the Shop
Chain Making (Adv) – Turkish Round	Jen Ursillo 561-329-4343	\$30 + \$25 materials	Saturday, date TBD	1-4PM at the Shop
Enameling on Copper Two 3-hr sessions	Hazel Levin 561-439-6915	\$40 + \$15 materials	2 Tuesdays	1-4PM at the Shop
Enameling on Copper Two 3-hr sessions	Hazel Levin 561-439-6915	\$40 + \$15 materials	2 Saturdays	1-4PM at the Shop
Flat Lap	Ed Flashenburg 561-733-1466	\$40 + \$10 Supplies	Wednesday	9 AM—Noon at the shop
Fused Glass (Beginner/Tuesday)	Ed Flashenburg/John Holmstrom 561-733-1466	\$40 + \$15 materials Or \$5.00 open shop fee	Off for The Summer	9:30—Noon at the Shop
Fused Glass (Beginner/Saturday)	Michelle Renné 561-644-2323	\$40 + \$15 materials	Saturday, date TBD	12-4 PM at the Shop
Fused Glass (Advanced)	Michelle Renné 561-644-2323	\$40 + \$15 materials	Saturday, date TBD	12-4 PM at the Shop
Non-solder Wire Work	Michelle Renné 561-644-2323	\$40 + \$15 materials	TBD	12-4PM at the Shop
Kumihimo (Japanese Weaving)	Kelly Azor 561-688-7903	\$20 + \$15 kit	TBD	9-12 or 1-4PM at the shop
Right Angle Weave Cubes	Jen Ursillo 561-329-4343	\$40 + \$50 for optional kit <u>OR</u> supply list can be provided	Saturday, date TBD	1-4 PM at the Shop
Silversmithing (Intro) & Torch Glass beads (Intro) Coming in February	Jack Samper 276-782-0447	TBD	Starting in February	TBD

MEMBERSHIP DUES

Junior Membership - \$10.00
(Under Age 18)
Single Membership - \$15.00
(Over Age 18)
Family Membership - \$25.00
(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 Febru-
ary of the new year. To renew your
membership, make your check or money
order out to:

Gem & Mineral Society of the Palm
Beaches, Inc. and mail to:

Membership Secretary
Gem & Mineral Society
P.O. Box 18095
West Palm Beach, FL 33416

NAME TAGS

Available from:
Ace Marking Devices (\$12.00)
3308 S. Dixie Hwy.
West Palm Beach, FL 33405
561—833-4073

Open Shop schedule is
TENTATIVE due to changing
class schedule.

**Contact the shop steward listed
below before you go!**

Shop fee is \$5 per visit, payable
to the Shop Steward.

SHOP STEWARDS:

Head Steward

John Holmstrom 561-585-7094

Monday PM

Michelle Renné 561-644-2323

Friday PM

Jeff Ursillo 561-706-9549

SHOP PHONE 561-585-2080

2011 OFFICERS

President*	Jen Ursillo	329-4343
1st Vice President*	OPEN	
2nd Vice President*	Barbara Ringhiser	588-5458
Secretary*	Nina Murray	596-3390
Treasurer*	Marv Berkowitz	364-9696

2011 DIRECTORS

Past President*	Michelle Renné	644-2323
Past President*	Barbara Ringhiser	588-5458
Past President*	Jeff Ursillo	706-9549
Show Chairman*	Barbara Ringhiser	588-5458
Show Dealer Chairman	Ellen Jean	931-372-8236

COMMITTEE CHAIRPEOPLE

Field Trips	OPEN	
Historian	OPEN	
Hostess	Coralie Norvell	965-4748
Librarian	Nina Murray	596-3390
Membership*	Susan Cairl	628-1829
Newsletter Editor*	Jeff Ursillo	706-9549
Photographers	Lo Rain/Aurora Siegl	
Programs	Barbara Ringhiser	588-5458
Raffle Coordinator	Harriet Flashenburg	733-1466
Refreshments	Debbie Anderson	965-9279
Sunshine Committee	Lo Rain	827-5793
Social Events	OPEN	
Head Shop Steward	John Holmstrom	585-7094
Website Manager	Jeff Ursillo	706-9549

* Denotes a Voting Board Member

All phone numbers are 561 area code, unless noted otherwise.

The Gem & Mineral Society of the Palm Beaches, Inc. is a member of the Eastern and Southeastern Federation 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 Thurs- day. Meetings start at 7:30 PM at the West Palm Beach Garden Club, 4800 Dreher Trail North, West Palm Beach, FL 33405-3018 (across from the South Florida Science Museum in Dreher Park, West Palm Beach)

Gem and Mineral Society of the Palm Beaches, Inc. Website

www.gemandmineral.cc