



October Meeting
At the Museum of Arts and
Sciences on Monday,
November 04, 2013 at 7:30pm.

Speaker for the November meeting will be Pamela J. Gore. She will be speaking on her book "Roadside Geology of Georgia" that she co-authored.

President's Message

I want to thank all those who have helped with the Perry fair. We had a good turnout this year and sold a lot of the grab bags. I also want to thank those who assisted with the grab bags too. It took a lot of work, collecting and planning to pull it all together.

I want to bring up something that has come to my attention that I feel is very important; that is safety and etiquette when we are on a dig. These are pretty much common sense but still essential to us all if we are to dig safely and be able to enjoy each other's company.

1. Always wear safety glasses.
2. Wear gloves when using chisels, hammers and other metal impact items.
3. Keep the area clear within three feet minimum when using sledge, crack, or rock hammers and be aware of all those who are around you.
4. Make sure you wear comfortable and safe shoes.
5. Have plenty of water on hand to prevent dehydration.
6. Do not use foul language as it is offensive to many.
7. Be respectful of everyone and treat them as you would have them treat you.
8. Be aware of who is above and below you when digging on a hillside.
9. Never, ever, go into a hole dug into a hill where there is an overhang.



Please use care and some sense when digging.



Always fill in your holes that you dig.

Never leave any trash behind & pickup any trash you find that is already there.

Leave the area cleaner than you found it.

Do not go where you are not invited to go and go with a partner.

We ask that everyone try to attend our next meeting so we can vote on officers and the changing of the time of the drawing of the scholarship from the picnic to the Christmas party.

By: Jim Souter



Jim working at our table at the fair



Dues are Due

Another year has gone by in no time. It's that time of the year to pay dues. They remain the same 10 dollars for each adult and 2.50 for children under 18 years of age. They are due by November 1st.

October Meeting Minutes

The meeting was called to order at 7:36 PM by Jim Souter with 15 members/guests present.

Old Business:

The treasurers' report was read and approved. Our dig at Jones pit seemed to be successful with several nice specimens mined out of the present boulders.

New Business:

Everyone is reminded that dues are due at this time. This month's mineral was goethite and several members brought in many specimens to share. The elections for the club officers for the upcoming year were not able to be conducted this night for lack of a quorum. Professor Scott Harris was our visiting speaker who is a Geologist for the Georgia Department of Transportation Materials and Testing Division. He gave a talk on meteorites which included a recent strike which occurred in Carancas, Peru. He talked about a fellow colleague who was among the first group of foreigners allowed clearance to the site. The story along with eyewitness interviews was presented in a slide show along with their findings. One of the amazing



things about the strike was determined how small the meteorite was that caused the crater. He also talked about various strikes that have been documented around the world. The talk was quite informative and technical with some insights into how meteor strikes are verified by the physical evidence. A question and answer session was provided at the end of his talk. The meeting was adjourned at 9:04 PM.

By: Richard Arnold



Dak Lac Province, Vietnam



Need more members at November meeting to vote on 2014 Officers!

We did not have enough members at the October meeting to vote on our new Officers. Please everyone come to the November meeting so we can vote for the new officers for 2014. You can also enjoy our speaker Pamela Gore about her travels to write her new book *Roadside Geology of Georgia*.

Mineral of the Month Peridot

Peridot is gem-quality olivine. Olivine is a silicate mineral with formula of $(\text{Mg}, \text{Fe})_2\text{SiO}_4$. As peridot is the magnesium-rich variety (forsterite) the formula approaches Mg_2SiO_4 .

Known to humanity for couple thousands of years, Peridot, the favorite gem of Egyptian celebrities like Berenice and Cleopatra, attracted the imagination of greedy crusaders and Ottoman sultans alike. Fine gems from this era remain today in a number of European sanctuaries including the Treasury of the Three Magi in Cologne and in the Vatican.

Appearance: Peridot is one of the few gemstones that occur in only one color, an olive green. The intensity and tint of the green, however, depends on how much iron is contained in the crystal structure, so the color of individual peridot gems can vary from yellow--to olive--to brownish-green. The most valued color is a dark olive-green.

Geologically: Olivine, of which peridot is a type, is a common mineral in mafic and ultramafic rocks, and it is often found in lavas and in peridotite xenoliths the mantle, which lavas carry to the surface; but gem quality peridot



only occurs in a fraction of these settings. Peridot can be also found in meteorites. Olivine in general is a very abundant mineral, but gem quality peridot is rather rare. This mineral is precious. Peridot olivine is mined in Egypt, Arkansas, Arizona on the San Carlos Reservation, Hawaii, Nevada, and New Mexico at Kilbourne Hole, in the US; and in Australia, Brazil, China, Kenya, Mexico, Myanmar (Burma), Norway, Pakistan, Saudi Arabia, South Africa, Sri Lanka, and Tanzania. Peridot crystals have been collected from some Pallasite meteorites. A famous Pallasite was offered for auction in April 2008 with a requested price of close to \$3 million at Bonhams, but remained unsold.

Gemology: It is sometimes mistaken for emeralds and other green gems. In fact notable gemologist George Frederick Kunz discussed the confusion between emeralds and peridots in many church treasures, notably the "Three Magi" treasure in the Dom of Cologne, Germany.

The largest cut peridot olivine is a 310 carat (62 g) specimen in the Smithsonian Museum in Washington, D.C. Peridot olivine is the birthstone for the month of August.

From Wikipedia, the free encyclopedia



Green Soleil Peridot, 7.65 cts, Mogok, Burma

Field trips coming up, lets go digging!!!



DMC Program of the SFMS Field Trip Committee
An Official Field Trip of the Aiken Gem and Mineral Society (Aiken, SC) (HOST)
An Official Field Trip of the Mid-Ga Gem and Mineral Society

Graves Mtn.
Lincolnton,, GA
Sat., November 16, 2013
10:00 AM to 5:00 PM

FEE

Where: Graves Mountain, inactive open pit mine, Lincolnton GA.

Collecting: Beautiful lazulite, pyrophyllite, and kyanite; world class rutile can be found rarely. Also pyrite and iridescent goethite. Over 50 different minerals can be unearthed in this extinct volcano and former mine, and now dig site for gem and mineral clubs and other organizations. Georgia Mineral Society has further details and photos on their website: <http://www.gamineral.org/ftcomm.html>

Recommended Tools: Backpack, gloves, sledge, crack hammer, rock hammer, pry bar, shovel, chisels. Some people bring a hand truck to ferry buckets and tools in and out of the mine.
HARD HAT and SAFETY GLASSES are REQUIRED.

Meeting Location: Norman wrecking company building, C.E. Norman Rd.



Directions: From Washington GA, drive 11 miles east on US-378; or from the Hardee's in Lincolnton GA, drive approximately 5.5 miles west on US-378. Turn north on CE Norman Road, which is about 0.1 miles east of the Wilkes County/Lincoln County boundary sign. Proceed 0.6 miles north to the garage.

Assembly Time: 10:00 am. Everyone off the mountain by 5:00 pm

FEE: \$5 or more per person donation to Clarence Norman, Jr., the mine's caretaker. All DMC members must sign a liability release at the Norman Wrecking Co. Bldg., before being allowed onto the site.

Children: No children under age 12. Children 12 and over must be supervised by an adult.
Pets: OK

Safety: DMC Members must sign and adhere to the Graves Mountain Code of Conduct (see below). There are no toilet facilities.

Contact: Walt Kubilius, Aiken GMFS (803) 643-3281 home, (803) 215-9342 cell
wkkw@bellsouth.net; www.aikengmfs.org

Graves Mountain code of conduct:

- **Park your vehicle in the designated area (at the end of the paved access road but not much beyond the woods to the right of this road).**
- **ALL pets must be kept under control and on a leash.**
- **The caretaker, Junior Norman, has final and absolute say as to where you may safely work.**
- **Ladders or power tools of any kind will not be allowed. (HAND TOOLS ONLY!)**
- **STAY AWAY FROM ALL HIGH WALLS!!**
- **NO RAPPELLING OFF OF ANYTHING!**
- **NO ONE IS ALLOWED TO DRIVE THEIR VEHICLE ON ANY PART OF GRAVES MOUNTAIN BEYOND THE PARKING AREA! (The caretaker must accompany anyone driving beyond the parking area!)**



Graves Mountain, Lazulite and Pyrite in Quartzite, Cabochon



Lazulite crystals in Quartzite



Southeastern Gem & Mineral Shows

November 22-24, 2013

28th Annual Cobb County Gem and Mineral Society



Gem, Mineral and Jewelry Show in Marietta, GA.

Find amazing rocks, gemstones, minerals and fossils from all over the world! Choose from a large selection of beautiful beads, jewelry and jewelry making supplies. Fun for the whole family, with faceting and jewelry making demonstrations, a fluorescent mineral room, and many interesting displays. Hourly Door Prizes. Free Admission and Free Parking.

Cobb County Civic Center, 548 Marietta Parkway, Marietta, GA. Hours: 10am -6pm November 22-23, 10am-5pm November 24.

Tidbits

JUST SAY NO TO OPTIVISORS

During his annual vision-check, a jeweler friend of mine wondered why not have his reading glasses made with bifocals that would magnify the same as the Optivisors? So he asked the ophthalmologist if he could add around +2.00 diopters into bifocals.

The doctor checked with his supervisor and came back all excited. They all agreed that it was a great idea and even gave him a special device to measure how far he holds a jewelry piece from his eye, to get the focal distance exactly right. So if all goes well, no more sweaty, bulky optivisors! Anyone else tried this?

MANDRELS

Straight rod mandrels have a multitude of uses in helping to bend sheet and wire. Frequently we choose a round rod for winding jump rings. Common sources for different sized rods are knitting needles, wooden dowels and clothes hangers. Metal rods can also be found

in hardware stores and hobby shops.



But to get the right "look" in chain maile designs, you must have just the right size mandrel, and often they are not easy to find. Jewelry catalogs sell selections of straight rod mandrels for \$50 or more, but my choice is from Harbor Freight. They have a set of 28 sizes, from 3/32 inch to 1/2 inch, for under ten bucks. It's called a Transfer Punch Set. The catalog number is #3577, and the price is \$ 9.95 Plus, look for the 20% off coupon on any one item in their advertising circular. That cuts your cost to around eight bucks. I've bought four of these over the last couple years.

www.harborfreight.com

FOR SALE!

Faceting Machine For Sale

Ron Davis is selling a nice faceting machine he has 2 and wants to sell one of them. He is asking \$375.00 please contact him for more details on the model and what comes with it. Call Ron at Cell#: 478-737-9796



Mid-Georgia Gem Clips
Official Bulletin of Mid-Georgia Gem
and Mineral Society
Macon, Georgia

Club year begins November 1st, a grace period of three months will be given before membership lapses.

Mid-Georgia Gem & Mineral
Society
Application for Membership

The Club meets on the First Monday of each Month, at The Museum of Arts and Sciences, in Macon, Georgia.
Except: No meeting January, July, and August. The annual Christmas Party is the first Monday in December. September the first Tuesday of the Month

Purpose: To promote the earth sciences, the lapidary arts, and the collection, study and display of rocks, minerals, and fossils; to promote the public awareness of these efforts in educational and recreational activities.

Club Officers:

President: Jim Souter, ph. 478-454-7273,
jgsouter@windstream.net

Vice President: Rene' Smith, 478-788-1766
 Cell 478-719-2413 grawolfvrs@msn.com

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 ph. 678-682-9860

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Stamp Program: Ron Davis, ph. 478-788-2616

Name(s) _____

Address _____

City _____

State _____ Zip Code _____

Phone _____

Adult(18+) \$10.00 Junior \$2.50 New

Renewal _____

E-mail _____

Address _____

List your interests and reasons for joining _____

Make checks payable to:

Mid-Georgia Gem & Mineral Society

Mail to the Treasurer (listed on this page) or bring to a meeting.



**Mid-Georgia
Gem Clips**

**Official Bulletin of Mid-Georgia Gem
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**Member of Southeast Federation of
Mineralogical and Lapidary Societies
Member of American Federation of
Mineralogical Societies**



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Save Commemorative Stamps