



**September Meeting
 At the Museum of Arts and
 Sciences on Tuesday,
 September 06, 2016 at 7:30pm.**

Speaker for the September meeting will be Kim Cochran. He will be speaking on Volcanoes. Also if you need something identified bring it to this meeting. Kim can most likely ID your specimen.



**Our September meeting
 will be
Tuesday, September 6st,
 2016**

President's Message

I hope you have all had a great summer. I know it has been an exceptionally hot summer this year. As we come out of the summer season, we start getting ready for the State Fair in Perry. We ask that if you have any specimens

that you would like to share for all to see, that you contact Jay Batcha, Susan & Phil Hargrove or myself. You can either bring them to the site in Perry when we install the booth or you can pass it on to one of us before hand and we can make sure it is put into the display.

We had a good time at our "work days" at the museum this summer. Jay had his micromounts on display while I had fluorescent minerals on display. Our first work day, Tina had brought some specimens of kaolin and passed them out to the kids (mostly) and on the second work day, she brought a kit out to help people understand the different rock types. We had other club members show up and we appreciated everybody coming out and helping.

I do want to take a moment to invite all club member to take a look at the "Great Balls of Fire" display at the museum. It is about comets, asteroids, and meteorites.

I look forward to seeing everybody on September 6 of this year. Yes, remember that in September, we always meet on the first Tuesday of the month of September. Every other month, except for January, July, and August we meet on the first Monday.

Jim
 jgsouter@windstream.net
 478.454.7273



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.



Officer Election Time is here Again!

It is time to start thinking who will be next years Officers (President, Vice-President, Secretary, and Treasurer). If you are interested in any of the positions please let Jim know ASAP. They could use a break so please step up to the plate and become an office of our club. We will also be forming an election committee and you may also contact any of the committee members if you are interested in helping our club. We are also in need of a field trip chairperson at this time. I can help anyone that steps up and takes the field trip position until they fill comfortable in doing this position.



Perry Fair News

We will be setting up the Club's display at the Georgia National Fair in Perry again this year.

We will have a date for setting up the display cases at the September Meeting. Please bring any rock, gem, mineral, fossil or lapidary related work you have done that you would like to exhibit in the display cases to the September meeting if you cannot make the setup date. We'll prepare the display cases and install all the specimens & items in preparation of the Fair that will run October 6-16th. The cases will be locked by the Fair personnel once we are finished. All specimens will be marked by means of a colored coded dot assigned to each person displaying items.

Please sign up to docent --- Contact Susan Hargrove by phone, email or in person at the September meeting, if you have not done so already, to be placed on the schedule to docent during the Fair. You do not have to demonstrate but you are welcome to do so. If you would like to demonstrate please arrange for any tools or equipment you will need. No one is allowed to sell any items unless they are demonstrating and anything sold must be made by you using lapidary related abilities/skills. The space provided for items offered for sale is limited (approximately 2 x 3 feet).

We need members to be at our display to talk with the public about the display and the club. Jay does a great job supplying labels so usually almost every item is labeled. If you docent you will receive a parking pass (to park at the building where the display is housed) and entry tickets. Susan needs to know what day (or days) and time (morning, afternoon, evening) you are available by our next meeting September 1st. Tickets and parking passes will be mailed to you by the Fair. You are welcome to bring specimens you have collected or lapidary related items you have made, as "show & tell" while you docent. People are generally eager to see what's available to be



collected and share stories of their collecting.
 Contact Susan at susanbphilh@pstel.net or call 478-837-5327.

Thanks and see you at the Fair!



June Meeting Minutes

The meeting was called to order by Jim Souter, President, at 7:42PM. There were 25 members and guests present. The guests were welcomed and asked to introduce themselves and tell about their interest in gems and minerals.

The Treasurer's report was read and approved. It was noted that the silent auction at the May picnic raised more funds for the club than any previous such event.

The minerals of the month were June's birthstones, Moonstone, Pearl and Alexandrite. Members brought specimens for all to enjoy viewing.

Old business:

Susan, our Treasurer, has one free ticket and several 1/2 off tickets for the Tellus Museum 26th annual Rockfest to be held next weekend, June 11th and 12th.

All were reminded that this was the last meeting before our summer break. The next meeting will be Tuesday, September 6, 2016, the day after the Labor Day holiday then resume on the first Monday of each month.

The club is hosting two Saturday events at the Museum of Arts and Sciences. On June 18th we will be identifying gems/minerals and allowing participants to view them via microscopes. The July 30th event will be some hands-on participation as well as gem/mineral identification. Club members have volunteered to handle these two events.

New business:

Jay requested volunteers to fill bags with gem/mineral/fossil specimens to be sold at our booth at the GA National Fair. This event is on Saturday, June 25th at Jay's home at noon.

This is the last of the 600 bags made by club member Tina.

Our speaker was our President, Jim Souter. He handed out a color presentation for us to follow as he spoke on the many aspects of gem and minerals. It was very informative and fascinating to all who appreciate Jim's vast knowledge. The written presentation was a gift from Jim to all who attended so it could be used for further study.

The meeting was adjourned at 8:42PM.

By: Carol Glasgow

Follow up on the Science Saturday Event

The Museum of Arts and Sciences in Macon was having Science Saturdays in June and July and asked if our club can setup a table or two on two different **Saturdays, June 18th and July 30th**. It is sort of open ended what we can do.

The museum wanted us to be there for



at least 5 hours each time and do some type of hands on thing. So, we setup microscopes both Saturdays. Had guest looking at micro-minerals with numerous microscopes. We had 5 microscopes in June and 7 in July with a different mineral to view at each microscope.

Also Jim brought florescent minerals with UV lights to view. Along with other minerals and handed out kaolin samples to everyone.

At the July event we also showed and quizzed the kids on the rock cycle and then gave out a free tumbled stone for trying.

A big **THANK YOU** to Richard, Tina, Jim, Susan, Phil, and me(Jay) for helping with these Science Saturdays!



Our Rock Cycle table

Mineral of the Month (September Birthstone) Sapphire

September's birthstone, the sapphire, was said to represent the purity of the soul. The sapphire, birthstone for September, is a relative of July's birthstone, ruby. Like ruby, it is a form of the mineral corundum, a normally drab grey mineral. Red corundum is called the ruby, while all other gem quality forms of corundum are called sapphires.

Typically, sapphires appear as blue stones, ranging from very pale blue to deep indigo, due to the presence of small amounts of titanium and iron within the crystal structure. The most valued shade of blue is the medium-deep cornflower blue. Sapphires also occur in other natural colors and tints – colorless, gray, yellow, pale pink, orange, green, violet and brown – called fancy sapphires. These different colors are caused by different kinds of impurities within the crystal. For example, yellow sapphires get their color from ferric iron, and colorless gems have no contaminants.



Jim, Tina, Phil, and Susan at the Micro-mineral table.



The Logan Sapphire Brooch, the second largest sapphire known (at 422.99 carats), is on display at the National Museum of Natural History in Washington, D.C. Image Credit: Andrew Bossi

The biggest source of sapphires worldwide is Australia, especially New South Wales and Queensland. Found in alluvial deposits of weathered basalt, Australian sapphires typically are blue stones with a dark and inky appearance. Kashmir, in India, used to be a well-known source of the cornflower-blue stones. In the United States, a major source is the Yogo Gulch Mine in Montana that mostly yields small stones for industrial use.

The word *sapphire* has its roots in several ancient languages: the Arabic *safir*, the Latin *sapphirus* (meaning *blue*), and the Greek words *sappheiros* for the island of Sappherine in the Arabian Sea where sapphires were found in ancient Grecian times. Ancient Persians called sapphire the "Celestial Stone." It was the gem of Apollo, Greek God of prophesy and was worn by worshipers visiting his shrine in Delphi to seek his help. It was used by ancient Etruscans as far back as the 7th century B.C.

The sapphire was said to represent the purity of the soul. Before and during the Middle Ages, it was worn by priests as protection from impure thoughts and temptations of the flesh. Medieval kings of Europe valued these stones for rings and brooches, believing that it protected them from harm and envy. Warriors presented their young wives with sapphire necklaces so they would remain faithful. It was believed that the stone's color would darken if worn by an adulterer or adulteress, or by an unworthy person.

Sapphires were once believed to be protection against snakes. It was said that if poisonous reptiles and spiders were placed in a jar containing the stone, the creatures would immediately die. The French of the 13th century believed that sapphire transformed stupidity to wisdom, and irritability to good temper.

One of the most famous sapphires rests on the Imperial State Crown, worn by Queen Victoria in 1838. It resides in the British Crown Jewels in the Tower of London. This gem is called the St. Edward's Sapphire because it once belonged to Edward the Confessor, who wore the stone on a ring during his coronation in 1042.



Some field trips coming up, time to do some digging!!!



**An Official Field Trip of the Northeast
 Georgia Mineral Society (Cornelia,
 GA) (HOST)**

**An Official Field Trip of the Mid-Ga
 Gem and Mineral Society**

**Saturday, September 10, 2016
 Clarkesville, GA**

10:00 AM Eastern (9 AM Central)

Fee: \$10 per person

TRIP: This location is located in a band of kyanite bearing material. The material has been moved around so the kyanite is not in situ, but with a little digging and some perseverance, it has become a fun and productive site.

COLLECTING: Kyanite blades and cobbles, small mica books, and graphite specimens (rare). The kyanite ranges from gray to pale blue and may contain graphite. Some of the blades can be polished and, because of the graphite, they have a curious depth and shimmer when they are polished.

FEE: \$10 per person

BRING: Small blades can be found weathering out onto the surface. Bigger blades and cobbles are found by digging. You will need scratching tools and baggies for surface collecting, and a shovel and pick for digging. All holes must be refilled. This site can be muddy at times, so a change of clothes would be good too.

FACILITIES: There are no facilities at the site, but Northeast Georgia members will have free water and snacks available for everyone.

CHILDREN: This field trip is suitable for children but they must be supervised at

all times.

PETS: Because this is a working farm, pets are not allowed.

SAFETY: There are electrified fences on the farm so do not touch any fences. Field trip leads will open and close gates. This is a working farm and there may be animals present – do not approach any of the animals. Do not enter pastures where animals are present.

DIRECTIONS AND WHERE TO MEET:

We will be meeting at 10:00 am Eastern Time Ingles Market (the only Ingles in Clarkesville) 199 East Louise Street (US Old/Historical 441) Clarkesville, GA 30523

Coordinates: 34.603124,-83.517801

From Atlanta, take I-985 North towards Gainesville

2) I-985 will transition to GA 365/US 23

3) Continue on GA 365/US 23 to GA 197

4) Take GA 197 north to Clarkesville (about 3.5 miles)

5) Ingles is on the right, we will meet in the parking lot close to the highway.

CONTACT: John Rees, NEGMS Field Trip Chair
 Phone: 706-865-5495



Kyanite cobble and blades



GMS (HOST) & Mid-Ga Gem and Mineral Society Field Trip

**Saturday, September 24, 2016
Meet no later than 10:00 a.m.
Eastern Time in Gordon, GA**

TRIP: GMS will hold a field trip to Gordon, GA for Eocene marine fossils. GMS also invited Mid-Ga Gem and Mineral Society on this field trip.

COLLECTING: Teeth from various species of sharks, gastropods, bivalves, bryozoans, ray plates & barbs, fish vertebrae, turtle shell fragments, and possibly some coprolites.

See:

www.gamineral.org/docs/fossil_fact_sheet.pdf
for drawings.

BRING: ¼ inch screen, shovel, spade, scratching tools, and baggies for specimens. Because we have not visited this location before, you may want to bring additional tools like a pick, rock hammer, etc. as well as a hand cart in case there are large pieces. A backpack may be helpful for carrying tools and supplies. Bring snacks plus plenty of water, sunscreen, and bug spray.

SAFETY EQUIPMENT: Hard hat, safety goggles, sturdy shoes with ankle support e.g. hiking boots (no open toed shoes), and gloves are recommended but not required.

CHILDREN (Yes): This field trip is suitable for children of all ages but they must have adult supervision at all times.

PETS (No): Pets are not allowed.

IMPORTANT!!! Please be at the meeting site no later than **10:00** (preferably earlier) as we will be caravanning to the collecting site and **will not** be able to accommodate late arrivals.

DIRECTIONS AND WHERE TO MEET:

We will meet at the BASF office, Hwy 18 Spur, Gordon, GA 31031
Approximate Coordinates: 32.879353, -83.336924

- 1) From Atlanta take I-75S/GA401S towards Macon.
- 2) In Macon, keep left to merge onto I-16E.
- 3) Get off at Exit 2 (Coliseum Dr), take a left on Coliseum Dr. (US80E)
- 4) At the Coliseum Hospital, turn right at the traffic light onto Emory Hwy to stay on US80E.
- 5) Continue to follow US80E. **IMPORTANT:** 0.7 mi past the railroad overpass, turn slight left to stay on US80E for approximately 1.5 mi
- 6) Continue to Irwinton Rd/GA57 to Gordon. (Stay on 4 Lane Hwy changes to GA57)
- 7) Go about 11 miles to GA243 / Fall Line Freeway. (Stay on 4 Lane Hwy changes to GA243)
- 8) Go about 3 miles on GA243 and turn right onto Hwy 18.
- 9) Travel on Hwy 18 for about 1-1/2 mile
- 10) Just past the overpass, take the first left to State Spur 18 and continue to the BASF Gordon Office.
- 11) Take the entrance past the 2 story building and park in the visitor's parking lot without security gates. Enter glass doors in front.

Jay Batcha
Cell: 478-957-5002
Email: batcha.jay@gmail.com

Or contact:

Charles Carter, GMS Field Trip Chair



Home: 770-998-7949
 Cell: 770-891-5947
 e-mail: fieldtrips@gamineral.org



Mark Your Calendar

Southeastern Gem & Mineral Shows

September 2 - 5, 2016
Hendersonville, NC
 Labor Day weekend
Henderson County Gem & Mineral Society
35th Annual Gem & Mineral Spectacular
 Colorful World of Jaspers
 Friday-Sunday September 2-4:
 10 AM to 6 PM
 Monday September 5: 10 AM to 5 PM

Whitmire Activity Center
 301 Lily Pond Rd
 Hendersonville, NC
 *Demonstrations*Exhibits*Hourly Prizes
 *Refreshments Available**Raffle*Grand Prizes*
 For more info check our website: HCGMS.com
 Admission: \$4.00 Adults
 Children under 12 accompanied by an adult are free.
 \$1.00 off admission with coupon on our website!

Sept. 23 - 25, 2016
Jacksonville, Florida
28th Annual Show

Jacksonville Gem and Mineral Society

Morocco Shrine Auditorium
 3800 St. Johns Bluff Road, Jacksonville, FL 32224

Friday 1:00pm-6:00pm
 Saturday 10:00am-6:00pm
 Sunday 10:00am-5:00pm

Admission: \$4 or \$6 for three day pass
 Children under 12 FREE with guardian:
 Seniors and Military with ID get \$1 OFF

80+ dealers from around the world, hourly door prizes, 5 Grand prize drawings, Moon rock display on loan from NASA made possible by Dr. Mike Reynolds. Club Hospitality table, 20+ Club competition display cases, Sky Lab exhibit. 4 special faceting Lectures from noted Faceters. All major faceting equipment dealers and National tool and equipment dealers will be represented.

Special Large lapidary demos each hour. Continuous Educational exhibits on Silversmithing, Cold Connections, Faceting, Cabbing, Beading, Gem trees and more. Large junior's booth, Gem ID and Gem mining sluice. Scouting educational sessions to earn merit Badges in rocks and metal work.

web site : www.jaxgemandmineral.org/
 3800 St. Johns Bluff Rd
 Jacksonville, Florida 32224

Show contact: Jason Hamilton, Show Chair, 904-294-4744, JGMS-SHOW@hotmail.com
<http://www.jaxgemandmineral.org/show.html>



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

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 / Web Master: Jim Souter,
 ph. 478-454-7273, jgsouter@windstream.net

Vice President: Phillip Hargrove, 478-862-5327
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 ph. 478-784-1965, Cell 478-957-5002
rocky1s@cox.net

Education Chairperson: Tuell Walters,
 ph. 478-922-7200
supernova1346@gmail.com

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

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 and Mineral Society
Macon, Georgia**

**Member of Southeast Federation of
Mineralogical and Lapidary Societies
Member of American Federation of
Mineralogical Societies**



Mid-Georgia Gem Clips

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