

Tips *and* Trips



The Georgia Mineral Society

Atlanta, Georgia

Volume XL/Four

April 2011

GENERAL MEMBERSHIP MEETING

7:30 pm Monday, April 4, 2011
Georgia Mineral Society Building
4138 Steve Reynolds Blvd.
Norcross, GA. 30093-3059

Lost Wax Casting

Our own John/Jay Iacullo will give us an interesting presentation on jewelry making using this ancient technique. If John finds the wax before the meeting, it will be an even better program.

It's looking pretty good for still needing you to bring your own chairs this month too. One of these days . . .

Please join us for our April meeting!

Carl Ziglin,
VP of Programs

Presidents Message

Greetings to all,
Every week progression takes place. Even if we still don't have any chairs, we have scheduled two meetings at SRB on the same evening. It is almost as if we owned the place. We had a very good Executive Board meeting with the nuts and bolts of running a building receiving positive attention and a healthy portion of the meeting time.

Elizabeth Lamb is quickly and efficiently assuming (establishing) the responsibilities of Facilities Chair. The list of things to be done is not getting any shorter, but is advancing forward. The suggestion was made to publish a wish list of needed equipment and supplies. Such a list is forthcoming. An ad hoc committee for revising the by-laws to recognize new responsibilities and job descriptions is formed. The Committee could use member participation and input. The cabachon room flooring is scheduled for a final decision leading to moving GMS equipment to SRB. The library move is scheduled for immediately after acquiring book cases. Folks are ready to see home settle down. It is happening.

We received an email from Mike Streeter concerning Rockhound State Park in New Mexico. To me this emphasizes the state of rockhounding over the US. If you choose, please follow through with Mike's contacts. For the Southeast, please keep informed about our local collecting sites and be sure to share any new information and threats concerning our collecting future. I hope to continue collecting legally for many years to come!

Respectfully submitted,
Bill Waggener, President



The Georgia Mineral Society, Inc.
A Non-Profit Educational Organization
Seventy Years of Tradition
Objective and Purpose
To Educate the Youth of the State
and the Members of this Society
In the Field of Earth Science



AFMS Education - All American Club 2003

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Parliamentarian	Frank Decaminada	770-992-8309
Refreshments	Nancy Marden	770.447.8542
Special Events	Kim Cochran	770.979.8331
Sunshine	Linda Batcha	678.407.4224
Telephone	George Libby	770.978.2117
SFMS Rep.	Frank Decaminada	770-992-8309

The article submittal due date for the May 2011 newsletter is April 15, 2011.

GENERAL MEETINGS
 General meetings are held on the first Monday of each month. In the event that the first Monday is a holiday and/or the facilities are not available, the meeting will be held on the third Monday of the month. General meetings are currently held at the Georgia Mineral Society Building in Norcross, Ga. Any deviations from the above schedule will be announced in Tips and Trips.

The Georgia Mineral Society on the Internet:
<http://www.gamineral.org>
 E-mail Early Notification Program: A field trip and club news update service. To join, members are requested to send in their current e-mail address to:
gms@gamineral.org.

May Show Committee Chairs

Show Chair	Tom Batcha	678.407.4224
Dealer Chair	Lawrence Parker	404.213.9727
Exhibits	Anita Westlake	404.761.7849
Demonstrations	John Trimble	770.425.5075
Hospitality	Susan Filak	404.634.6931
Treasurer	Richard Graveline	770.972.8714
Advertising	Open for Volunteers	
Dealer Dinner	Roxanne Lopez	678.491.0489
Database	Mary Porter	770.998.1018
Auction	Kim Cochran	770.979.8331
Set Up/Take Down	Open for Volunteers	

Fossil Section

Gem Section

The next meeting will be on April 18th at 7:30pm. Gail Leadingham will discuss trace fossils. Please bring your trace fossils and any other fossils you would like to show and discuss.

February meeting:
Monday April 21, 7:30 Meeting



Location:
The GMS Tower
4138 Steve Reynolds Boulevard
Norcross, GA

Anita Westlake and her dancing bears will talk about:

Making Jewelry From Natural Objects

So come as you are and enjoy an interesting program. Please note, unnatural objects and acts will NOT be discussed, or even mentioned.

Carl Ziglin,
770-241-7800
Gem Section Chair
gems@gamineral.org

Location:
Gail & Lloyd Leadingham's House
4777 Habersham Ridge
Lilburn, GA
Phone:
770/979-9746 For directions & RSVP



May: No Meeting

June: Trilobites

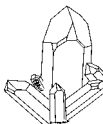
Thank you. Martha S. Brown - 770/448-0876
www.wlbguva@aol.com

Mineral Section Meetings 2011

We meet the 3rd Wednesday of every other month. Dust off your mineral specimens and bring them along. Also, don't be afraid to volunteer for a talk: you are smarter than you think (or can get that way right quick). All it takes is a little research, and most of us can do that online (except for Kim).

May 18th: The Zeolite Group

Speaker: Tom Batcha
Location: GMS building



July 20th: Minerals of Brazil

Speaker: Kim Cochran
Location: Susan Coker's home, 7:30.
477 Fieldstone Court, Lilburn, GA 30047
RSVP: [Snacks and desserts will be provided.]

Sept 21st: Fluorescent Minerals

Speaker: Mary Gurney
Location: Mary Gurney's house

Nov 16th: Crystal Habit & Glossary of Terms

Speaker: Anita Westlake
Location: Richard Graveline or GMS Building

If you would like to host a meeting or volunteer as a speaker please contact:

Anita Westlake
Mineral Section Chair
404-761-7849 or email:anitawestlake@att.net

Junior Meeting

Crystal Field Trip April 30th 11 am

We are planning a field trip south of Atlanta to collect crystals but have not finalized the details yet. If you are interested in going, please call me for the details. If the trip has to be delayed to another month, we will go to the building for a walk through.

Last month's trip to the Tellus was great. I had some of my science Olympiad students along with Luke and Susan helping out. The kids did not want to leave.



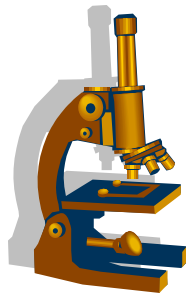
Roxanne Lopez
Jr. Section Chair
678-491-0489

Micromount Corner

Learn to build a white light LED microscope illuminators for your microscope. If you wish to join us and build one, call me and I'll give you a list of the parts needed.

Date: April 21st at 7pm
Location: GMS Building

Dave Babulski,
Micromount Chair
404-405-0635



Dave's Mineral Art will be on display at the Cobble Creek Studios in Snellville starting April 1st & 2nd. The art exhibit will be displaying 20 of Dave's and another Artists work during the month of April.

May Show Report

It is mid March and the show will be here before you know it. Things are beginning to pick in activity. We are completing the various items of paperwork that have to be done for the show. We are talking to advertisers, we drawing floor plans, and starting to receive the final payments from the dealers.

My thanks to all those who have volunteered as one of the chairs for the show. Susan F is our hospitality chair, Anita W is doing the displays chair, John T is the demonstrations chair, and Roxanne L is the dealer dinner chair. I'm still looking for someone to help out with advertising. This position would be best held by someone that has club purchasing power. Let me know if one if you are able to help. The setup takedown chair is also still available.

For all those who would like to help but your not sure how, there are many possibilities. There are sign up sheets for bringing food on the day before the show for the dealer dinner. Another signup for sitting at the hospitality table and greeting people as they first come into the show. This is a great way to meet people if you are a new member. Anita has the sigh up sheet for displays. This is how we can show the public our favorite fossil, gem, or mineral collection or our lapidary artwork. Don't forget we need people to sign up for demonstrations, if you have a lapidary skill or you just like to share your interest in rocks, this is the place to get to do just that. Lastly we will need people to help out with set up and take down. So if you have an interest in any of these topics please contact the chair for that activity and if you aren't sure who to contact then ask any of the club officers for assistance.

Remember to put the show dates May 6-8 with the set up May 5th on your calendar.

We are looking forward to having a really BIG Show !!!

Thanks,
Tom Batcha
May Show Chair

MEMBERSHIP

It's been a tough month. What should have been an easy transition to our new home was complicated by a snafu with the Post Office that seemed to have no end. People sent applications to both the old and new addresses, which normally would be fine; the Post Office is supposed to forward mail to the new address if you've submitted a change of address. That's not what happened in our case. Due to a wrong assumption by a postal carrier, our mail delivery was suspended. Mail was held by the Post Office and then returned to the senders. I became aware of the situation on a Saturday when I received several emails from members inquiring into the situation. Things snowballed from there. We were inundated with emails and phone calls from confused and upset members. The typical thing that occurred was that a member sent mail to the Post Office box in January, it was held for several weeks and then returned to sender, he re-sent to the new address, and again it was held for several weeks and then returned to sender.

Our President, Bill Waggener, made several trips to our local postal branch and had many earnest conversations with the manager there in an attempt to resolve the problem. At long last the problem was worked out, and now our mail delivery is back to normal. All members may feel confident that when they send in their applications for renewal the mail will be properly delivered to our new home.

Oh, and in case you've been asleep for a very long time and aren't aware of a dramatic change in our circumstances, GMS purchased a building in December 2010. We no longer meet at the Chamblee Library. Our new address is 4138 Steve Reynolds Boulevard, Norcross, GA 30093-3059. All mail should now be sent to that address, and the applications that are downloadable on our website have been changed to reflect the new address.

So, I've received a large number of applications. Most are from current members who are renewing, but we do have several new members. I am pleased to announce our newest additions: Renee and Chuck Day and William Harrison of Dacula, GA; Elizabeth Kirk and Alfred Land of Decatur, GA; Vicki Moore of Lyons, GA; Steve Nicklas and family of Dawsonville, GA; Ron, Martha, and David Smith of Decatur, GA; and Penny and Dennis Stowe of Pendergrass, GA. Please introduce yourselves to them when you meet them and make them feel welcome.

Our current members are renewing at a steady pace. I appreciate your promptly letting me know of any changes to information. Let's keep it up! You may e-mail me at mgm5258@att.net or call me at 770-439-5756. And don't forget the new address!

Happy rockhounding!

Lizabeth McClain
Executive Vice President



**Facilities Report
WANTED!**

a few good items
(to help furnish our new home)

Two small free-standing cabinets (or shelves) for the bathrooms (keep in mind our earthtones theme) On feet, so we can wash the floor, would be a big plus.

One 30 to 44 gallon trash can with lid for the meeting room

One high-power, bag-less, vacuum cleaner (good condition only)

One 6 to 8 foot ladder (folding, not extension)

8-foot tall bookshelves for the library (will need several, preferably that match)



If you want a donation letter (for the IRS) please let us know when you bring the item(s). YOU will attach the value to the item donated; we cannot appraise anything for you.

Any item that does not work for our space/needs will be donated to charity.

Elizabeth Lamb

Adopt-a-Highway

Thanks so much to all who participated and cleaned up Highway 5 in Ballground last fall.

We will return to beautiful Ballground for the next pickup of trash and MORE on April 9th, 2011 at 10:00am. Please plan to join us to continue our involvement in a mineral-rich area of Georgia.

We will decide where to eat lunch after the pickup. Many hands make quick business of our work, then we can go eat and decide what to look for where if anyone is interested...it's always fun to wander around downtown....

DIRECTIONS: Take 75 north to I575 north. Go 35 miles to exit 27 (Business 5)-the Howell Bridge Road/Ballground exit. Go right to the stop sign and left on Business 5/ Canton Highway. We will meet 0.5 miles on the left at the gas station. Please park away from the store. It takes about 30 minutes from 75/I575 to get to the site.

Ginger Peterson
Feel free to call me if you need. 404 403-4855

Grab Bag Stuffing Party

When: Saturday, April 16th
Where: To be Announced
(Either at Kim's house or GMS Building depending on Kim's availability)
Covered Dish Lunch at 12:00
Stuffing should begin ~1pm



RSVP: 770-979-8331
Kim Cochran
Events Chair

Sunshine News

At the mineral section meeting, Martha Brown said that Jeanie Loman's father was ill and would everyone please remember Jeanie and her family. Also Mary Porter's Father passed away, our condolences to Mary and her family. Remember it takes very little to put sunshine into someone's day.



Linda Batcha
Sunshine Chair

April Birthdays

- | | | | |
|------|------------------|------|-------------------|
| 4/2 | Kimberly Ryan | 4/4 | Rebecca Chunn |
| 4/4 | Michael Hefner | 4/4 | Sandra Prosis |
| 4/5 | KateLynn Borders | 4/5 | Dan Smith |
| 4/5 | Susan Wunderlich | 4/6 | Dorothy Buchanan |
| 4/6 | Kathy Nagel | 4/6 | Rochelle Peterson |
| 4/7 | Jill Spielman | 4/9 | Olivia Lockhart |
| 4/11 | Ian Sisk | 4/13 | Andy Dessin |
| 4/13 | Amy Lynne Klatt | 4/14 | Ellen Smith |
| 4/15 | Terry Culver | 4/15 | Drake Doster |
| 4/16 | Mary Porter | 4/18 | Jim Flora |
| 4/18 | Fred Reppert | 4/21 | Jorge Buznego |
| 4/21 | Marla Summerour | 4/22 | Joanna Addison |
| 4/22 | Mel Grady | | |
| 4/24 | Monica Barrett | | |
| 4/24 | Ellen Speyer | | |
| 4/24 | Bill Waggner | | |
| 4/25 | Ray Buckels | | |
| 4/25 | Michelle Dessin | | |
| 4/25 | Cameron Lockhart | | |
| 4/25 | Shirley Parker | | |
| 4/26 | Carolyn Daniels | | |
| 4/26 | Jim Dessin | | |
| 4/26 | Shannon Lamb | | |
| 4/27 | Don Aldridge | | |
| 4/29 | Nedra Palmer | | |
| 4/30 | Marlene Leitzman | | |



Member Honored

Recently, our resident fossil finder, Mickey McClain, was honored at the Georgia Science Teacher Association Awards Banquet, held at the Georgia Aquarium on Feb. 18th .



Dr. Pamela Gore presenting the National Association of Geo-science Teacher of the Year for Georgia to Mickey McClain.



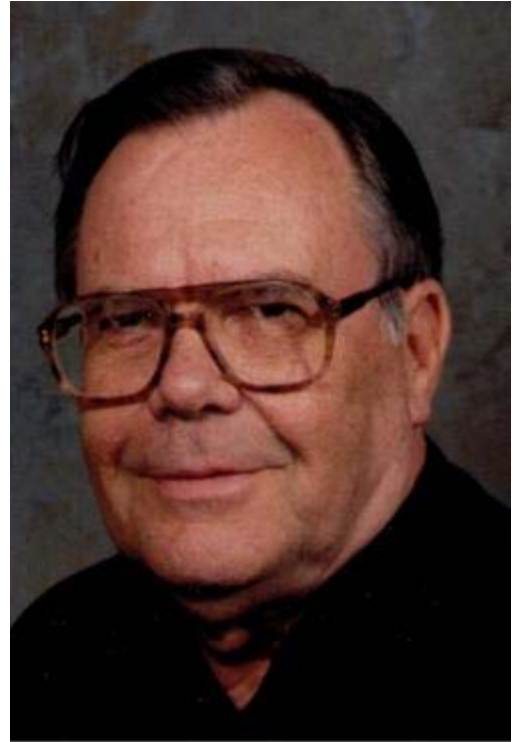
Mickey teaches middle school Earth Science, Life Science and Physical Science at Yeager Middle School in Douglasville, GA.

Member Remembered

(reprinted from the <http://www.amfed.org/sfms/notice.html> website)

Olin Banks

October 9, 1931-12/01/2010



It is with a very heavy heart that I report that Olin Banks passed away. We at the Cobb County Gem & Mineral Society owe Olin a debt of gratitude for his many hours of volunteering at the workshop as well as his constant smile and support of our club and workshop.

Ruth Rainey
CCGMS

Olin will also be greatly missed by The Georgia Mineral Society where he volunteered to exhibit and demonstrate his faceting expertise at our many club shows, presented many programs at our membership meetings, and did what ever he could to promote our society to the general public. He was also a GMS trustee for many years.

Jim Flora
GMS Webmaster



April 2011

The Georgia Mineral Society

Attention all Rockhounds:

The New Mexico State Parks Division (NMSPD) has proposed to disallow rockhounding in Rockhound State Park near Deming, New Mexico. Rockhound State Park is best known for its fantastic thundereggs, some with multicolored agate in addition to well-formed quartz crystals. Also scattered about the park are rocks and minerals of volcanic and hydrothermal origin; including quartz, chalcedony, agate, common opal and banded and brecciated rhyolite. The 1,100 acre park was established in 1966 as the first in the United States that allowed collecting of rocks and minerals for personal use. Pictures of the park and some rocks collected there may be seen on the following web page: [www.mcrocks.com]

The NMSPD's proposed plan may be read at the following web site: [www.emnrd.state.nm.us]

[<http://www.emnrd.state.nm.us/PRD/documents/RockhoundPMPPublicReviewDraftMarch2011.pdf>]

But, to save you time, the following is the pertinent part of the plan about rockhounding:

Rockhound State Park was originally established as a destination for rock collectors. At the time, in 1966, rock collecting was a popular pastime. Visitors were encouraged to visit the Park in order to collect rocks, and were allowed to take home up to 15 pounds of rocks.

Today the Division promotes a respect for the natural environment through interpretive and educational programs. Not only does rock collecting in a public park contradict the principle of natural resource protection.

There is only one state park in the United States that permits rock collecting: Crater of Diamonds State Park in Arkansas, which has a 38-acre plowed field set aside for collecting. Nearly all municipal, state, and national parks prohibit the removal of natural artifacts from parks. The practice of rock collecting at the Park would need to comply with NMSA 1978, Section 16-2-32:

"A person who commits any of the following acts is guilty of a petty misdemeanor and shall be sentenced in accordance with the provisions of Section 31-19-1 NMSA 1978:

A. cut, break, injure, destroy, take or remove a tree, shrub, timber, plant or natural object in any state park and recreation area, except in areas designated by the secretary and permitted by regulations adopted by the secretary, such regulations shall only permit the removal of a tree, shrub, timber, plant or natural object for scientific study or for non-commercial use by an individual as a souvenir, the quantity of material authorized for removal from any area shall be strictly regulated by park personnel in order to minimize resource damage."

If the Division were to continue to allow the public to collect rocks at the Park, the EMNRD Cabinet Secretary would designate a specific area and adopt rules pertaining to the collecting of rocks on Park property (such as the amount and location).

The once popular hobby of rock collecting has declined significantly since the 1960s. There are local businesses that cater to rock collectors and can guide or direct them to similar opportunities outside of the Park. Safety is also a concern with the public collecting rocks in the Park, as there are steep and unstable slopes that are becoming more hazardous as the collecting alters the stability of the hillside. There is also a concern that some visitors may go beyond the Park boundaries in their quest for rocks.

Park staff has already begun the transition away from rock collecting and will need to educate the public about the need to respect the natural resources. One crucial step is to modify all Park information (signage, brochures, website), so that this activity is no longer encouraged. All materials need to state that it is a prohibited activity. The namesake theme can continue through educational programs and interpretive information about the rocks that occur in the Park and the geology of the region. Revise written materials by removing all mention of rock collecting and add a reference to the state statute which prohibits rock collecting on Park property.

Written and oral comments on the plan will be accepted. Comment letters can be dropped off at the park; mailed to P.O. Box 1147, Santa Fe, NM 87505; e-mailed to nmparks@state.nm.us or faxed to (505) 476-3361.

PLEASE, everyone reading this message, email, snail mail or fax a written comment in opposition to the proposed plan to discontinue rockhounding in Rockhound State Park. You have until April 18, 2011 to make comment, so please get on it today. Let's show the NMSPD personnel that rockhounding has not declined since the 1960s and the park should remain true to its namesake. Also, all you club members and officers out there, please let everyone in your club know about this by mass email so we can get all rockhounds throughout this country engaged in the battle to save yet another of our fleeting freedoms. This may be in far away New Mexico now, but in your backyard tomorrow. PLEASE HELP NOW BECAUSE THERE IS NO TIME TO WAIT!

Mike Streeter
Southeast Federation of Mineralogical Societies' North Carolina Director
www.McRocks.com

Posted on mindat.org, Mar 19, 2011

Take this Mineral IQ Test (Answers)

by Anita Westlake

1. What is black mica called? **Biotite**
2. What color streak does hematite leave on an unglazed porcelain tile? **Red to Brownish-Red**
3. What does pseudomorph mean? **False-form.**
4. What is the purple variety of quartz called? **Amethyst**
5. Are diamonds found in meteorites? **Yes, most notably, Canyon Diablo**
6. In the mineral kingdom, what is a halfbreed? **A specimen of half silver, and half copper**
7. Johann Wolfgang von Goethe had what mineral named after him? **Goethite**
8. What mineral is 4 on the Mohs Hardness scale? **Fluorite**
9. Which mineral is a natural magnet? **Magnetite**
10. Which is the stalagmite and the stalactite? **Stalagmite grows up mighty from the ground. Stalactites have to hang on tight to drip from the ceiling.**
11. What is another name for pyrite? **Fool's Gold**
12. What is a "thin section"? **A wafer thin slice of a mineral or meteorite that is virtually transparent. It is placed in a polarized microscope to identify individual minerals and their crystal structures**
13. What's the difference between magma and lava? **Magma forms inside the volcanic chamber, lava flows outside the chamber and is visible to the eye.**
14. What is silver/clear mica called? **Muscovite**
15. Is amber a mineral? **No. It does not pass one the five characteristics of a mineral, most specifically "inorganic"**
16. What are aa and pahoehoe? **Types of lava. Aa is named for the sound one makes when walking upon its rough surface. Pahoehoe is ropy lava.**
17. What's the difference between a meteorite and a meteor? **A meteorite is a rock from space that makes it to the ground. A meteor is the LIGHT you see when the meteoroid hits the earth's atmosphere and briefly catches fire.**
18. Do meteorites come from meteor showers? **No. Meteor**

Showers are cyclical and are the result of comet trails intersecting with earth's orbit.

19. Where in outer space do meteorites originate? **The Asteroid Belt, between Mars and Jupiter.**
20. Which mineral has a variable hardness? **Kyanite.**
22. What is the principle use of bauxite? **Aluminum**
23. What is "quicksilver"? **Mercury (the liquid metal that used to be in thermometers)**
24. Why is Rancho La Brea famous? **The La Brea Tar Pits where hundreds of animals were found preserved in tar**
25. What common natural glass is still used in eye surgery? **Obsidian**

Source: 1001 Questions Answered About the Mineral Kingdom, by Richard M. Pearl, 1995



February Field Trip to the Durham Mines

Here are some photos of four specimens I collected during the Durham Mines field trip on Saturday, 2/26. There seemed to be a range of matrix types, from hard, light gray matrix with fewer fossils to soft, medium gray matrix with more fossils. The soft matrix was problematic because of its porosity, which allowed water to degrade the carbon imprints. It was also tricky because of its tendency to fracture easily. The hard matrix is preferred for durability and provides better visual contrast, but you need to cleave more rock to find anything in it.



Among the photo subjects are a seed pod with significant carbon content, a solo leaf print (the mate was fractured because the imprint was nonplanar and didn't separate cleanly), and mirror sections of a large plate that has a little bit of everything, including several types of broad and filamentary leaves, branches, and bark.

Also, I joined several other participants in helping Jose Santamaria to excavate a wheeled axle of one of the miners' railcars. Jose planned to donate it to a community museum that displays mining equipment from the area.

Regards,
Bob Dolezal



**Field Trip Report:
Foote Mine, Kings Mountain, NC March 12, 2011**



Jay & Tom Batcha at the entrance to the Foote Mine

It was a good day for a field trip. The weather was pleasant and there was a good turn out for the trip with people coming from as far away as Illinois.

The Foote Mine is known for its many micromount minerals but I did not have too much luck locating the vugs where these micromounts are normally found.



Along with the collecting we got a birds view at a working mine. The tailings we search in were mostly from the Foote Mine which had closed in the early 90s but Martin Marietta is now working the adjoining property.



Collecting at the mine dumps

The main mineral of interest that was found was Spodumene. Its mineral composition is lithium aluminum silicate and it occurs as pale green blades in a pegmatite matrix of feldspar, mica, and quartz.



There was the roar of heavy duty dump trucks driving by and the sound of conveyer belts in the near distance.



Lawrence and Shirley Parker

April 2011

The Georgia Mineral Society

(cont. from previous page)

Everyone enjoyed the atmosphere of the location. It was a long trip and we were able to get in some side trips on the way home to make for a full day of *digging in the dirt*.

Tom Batcha,
GMS Member

Where are you going?

There are many places to collect. Have you been to, or planning on going to:

Copper Country Festival in Michigan's N.P.
August 8th to 13th 2011

or the Keokuk Geode Festival
September 23-25th, 2011

or Searles Lake Festival, Trona, CA.
October 8-9th 2011

I know people that are going to two of the places I listed. If you think you might like to also attend a festival and meet a fellow club member and perhaps have dinner together and discuss the pro's and con's of the collecting, just let me know.

I can contact the members, and if they believe they can meet you there, you could get together at a club meeting and finalize your plans.

Perhaps you can't make the festival but you might be on vacation near the festivals. There is a possibility you might still be able to meet with another rockhound and do some collecting together.

There is always the possibility that, having nothing to do with a festival, you are just traveling and might just enjoy the company of another rockhound on a dig. If you let me know, without printing names, I could write up something that a member will be in a collecting area with a general date. By doing that, other members might just change some of their plans and be able to meet you.

I know a couple of our members had made the trip to Tucson. They had a better time because they were able to meet. I wonder if there were other people that might have gone if they thought they would know other people there. All it might take would be an exchange of cell phone numbers.

So you are not making the trip this year, but you have some favorite collecting site there or on the way there. Would you be willing to share your site with a club member that might be driving there?

This might not work for someone that is planning to do some local collecting where the collecting date is very close to the time a trip was planned (I'll have to think about that) but if you are making plans, let's see if we can come up with a data base of personal collecting sites and match that with traveling plans of our members.

Unless someone else want to do it, just email me at onsiteinatlanta@yahoo.com or phone me at 770-978-2117.
George Libby
Field Trip Chair

Garwin's Tips!

Polishing Sunstones

Sunstones are a 6 on the Mohs scale for hardness.

Do not mix sunstones with agates for tumbling.

Recommended tumbling schedule:

220 grit for one week

600 grit for one week


Tripoli polish for one week

Always make sure the stones are clean when changing the grit and polish.

Via *Dusty Rocks* July 2010, Via *Dops & Digs* March 2011

Dig For Crystals

All kinds of rocks



for sale:

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- *Minerals
- *Agates
- *Slabs

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Precious Metal Clay

In the 1990's scientists in Japan developed a combination of binders and metal particles to create a material with the working properties of modeling clay, known as precious metal clay, or PMC. This watersoluble product is available from several manufacturers in the form of lump, sheets, slip, and ready-to-use syringes.

Metal Clay has become available as a craft material used to create one of a kind jewelry, sculpture and artwork.

Creating in metal clay is simple and intuitive. Metal clay takes texture and form very easily using hands and simple tools. Transform the dry clay into a solid metal object by firing the green-ware. It is offered in a complete line of fine silver, silver alloy, gold, bronze, and copper.

An organic binder provides elasticity while holding very tiny grains of metal in suspension. After the water is driven off, the object is heated to the fusing temperature of the constituent metal with an acetylene or propane torch. During heating, the binding material burns away, which causes the object to shrink to a degree equal to the volume originally occupied by the binder.

The process is easiest with pure silver and pure gold because these noble metals resist the formation of oxides and fuse at easily attainable temperatures. Platinum (the other noble metal) can be made into a clay but requires temperatures beyond the reach of most kilns.

The working properties of metal clays are related to moisture content. Avoid working in a draft or using materials that will absorb water (like paper and cardboard). Take only the amount to be used at the moment, sealing the rest in plastic wrap to keep it moist. Put a few drops of olive oil or an organic skin lotion in your palms and roll the metal clay to apply a thin layer of oil. This will help seal in moisture.

To make sheets of metal clay, roll it out like cookie dough, using a convenient length of plastic pipe as a rolling pin. To ensure uniform thickness, set matching spacers on each side of the clay. Tongue depressors, pieces of matte board, or stacks of playing cards make good spacers.

Cut metal clay by dragging a needle through the material or with a knife, (which leaves a neater edge). A long, razor-like medical industry tool, called a tissue blade, is a useful (though dangerous) cutting tool. Plastic picnic knives make a nice alternative when children are involved, and the edge of a playing card works too.

Metals are made up of small clusters of molecules called grains that arrange themselves according to several external conditions including heat, stress, and time. Metal clays are, by their nature, loose packed compared to traditional metals, which are compressed into rods and sheets under great pressure. Because pure metals are almost always more malleable than their alloys, these two factors explain why basic sintered metal clay is more malleable than wrought metals. Metal clays with shorter firing times (e.g., PMC+) use several sizes of particles to yield a more dense and tough material.

PMC 3 is great for those looking to make beautiful jewelry and work easily with silver metal clay.

PMC 3 consists of 85% fine metal and 15% binder by weight. This variety of silver clay shrinks 12-15% during firing.

PMC 3 is different from PMC standard because it contains smaller metal particles. Because it has smaller metal particles, it provides you with a higher metal content and therefore less shrinkage and firing time can be as short as ten minutes.

Some useful websites with more information and some videos may be found at.

<http://www.cooltools.us/Silver-Gold-Copper-Bronze-Metal-Clays-s/127.htm>

<http://www.pmcguild.com/download/GettingStartedwithPMC.pdf>

<http://www.silversmithing.com/1clay.htm>

Via Rocket City Rocks and Gems 12/10

Bill Friday, Editor, Via Rockhound Roundup 01/11

Organizing Small Parts - December 2010

With all the little components we use for our projects, it makes sense to have a good way to keep them organized and preventing them from getting lost. A great small container to use is available in numbers and for free at your local drugstore. Ask at the photo processing area for some of the 35mm plastic film cans. They have a tight fitting lid and are great for carrying beads, findings, jump rings and silver scraps.

More BenchTips by Brad Smith are at groups.yahoo.com/group/BenchTips/ or facebook.com/BenchTips VIA EMAIL 12/8/10, via Rockhound Roundup 01/11

Jump Rings - December 2010

It's better to use a round jump ring on the end of a chain instead of an oval one. Oval rings will wear faster because tension on the chain concentrates wear on the smaller ends of the jump ring. Wear is distributed evenly on a round jump ring because it can rotate through the last link of the chain and the clasp. This gives the ring a longer useful life.

Protecting Finished Surfaces - Nov. 2010

I figure that any accidental scratch I make on a piece means about 15 minutes of extra sanding and polishing. So after finishing major surfaces, I typically cover them with some masking tape to avoid any scratches when doing final work like cleanups and setting of stones. The blue masking tape used by painters is best because it doesn't leave a sticky residue when removed.

More Bench Tips by Brad Smith are at: groups.yahoo.com/group/Bench Tips/ Or facebook.com/Bench Tips Via Gem & Mineral Journal 02/11

Reprinted from Rock-a-Gram February 2011

Announcement – Please Post

Feather River Lapidary and Mineral Society, Oroville, CA is pleased to announce the

Third Annual World Rock Tumbling Championship



2010 Winning stones

CONGRATULATIONS TO LAST YEAR'S WINNERS!

First place \$250 prize- Jim Miller of Bothell, WA;
Second place \$100 prize - Tom Kuzia of Beacon Falls, CT
Third Place \$50 prize - Susan Oglebay of Ephrata, WA.

www.oroillerocks.com

It's time to challenge the champions! The Third Annual Rock Tumbling contest is open to everyone, any age, worldwide, who enjoys tumbling rocks and wants a shot at being the best in the world. Here's how:

- Send in a completed application (below) with a \$40.00 entry fee postmarked no later than May 6, 2011.
- Nevada Royal Jasper mine owner, Randy Messer, has agreed to provide the contest material this year. Each contestant will receive almost 4 pounds of rough sent USPS Priority Mail by the end of May.
- Contestants will have over three months to tumble the rock in a rotary or vibratory tumbler and mail a half-pound (1/2 lb) of the best pieces for judging. The entries must be received no later than September 23, 2011.
- Steve Hart, author of Modern Rock Tumbling, will evaluate each entry on the basis of smoothness, shape, shine and overall appeal. He will select the top five entries to be displayed at the FRLMS Rock and Gem Show held in Oroville, California the first week-end of October.
- Everyone attending the Rock and Gem show will examine the top five entries and cast a ballot for their favorite. The top three popular vote winners will be announced following the show.

1st Place: \$250.00
 2nd Place: \$100
 3rd Place: \$50

Note to Rock and Gem clubs: Get your club noticed! Consider sponsoring a contestant from your club. This year we will include club affiliation when announcing the name of the winners! Also, this is a wonderful opportunity for your junior members to learn more about tumbling and competition.

(FRLMS is actively seeking a source of tumbling rough for the 2012 contest. Please contact the club at the address below or through the website www.oroillerocks.com with suggestions.)

2011 Application Form

Name _____ Phone _____

USPS Mailing Address _____

City, State, Country, Zip _____

E-Mail Address _____ Name of Club: _____

Please mail applications with a check or money order by May 6th to:
FRLMS Contest Headquarters, PO Box 2645, Oroville CA 95965

A Past Article on a GMS Show

AT THE GEORGIA MINERAL SHOW

GEORGIA'S UNIQUE STONE

By CECIL BOATWRIGHT

2986 Grandview Avenue
Atlanta, Georgia

Georgia is probably best known in the mineral and industrial world for its beautiful, superior quality, snow-white marble lightly decorated with ribbons of black inclusions. This is the building stone sent all over the United States for state capitols, colleges, monuments, etc.

However, Georgia Mineral Society members have a favorite collecting material which is quite a twist in comparison: Black marble with white ribbons! Actually it is a black limestone of very fine, dense texture with white calcite veins streaking through it.

The stone, in the past, was mined at a large open-pit mine near the small north Georgia town of Ranger. Now, abandoned, the site is a regular field-trip destination for members of the Georgia Mineral Society.

The lapidaries love it because the black marble takes a mirror polish. The shine on these pure black-and-white stone is unbelievable. Dynamic is the word! The pattern looks equally well on a large cabochon, bookend, or desk set. When polishing, some members use a little oxalic acid mixed with their polishing powder to get that really fine finish. Otherwise this limestone-marble handles just like most other soft stones.

This is also a favorite collecting area for those who like to keep their stones

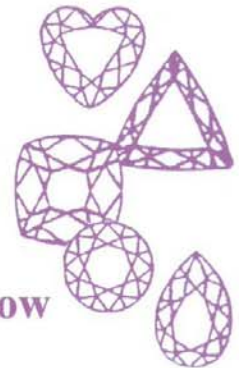
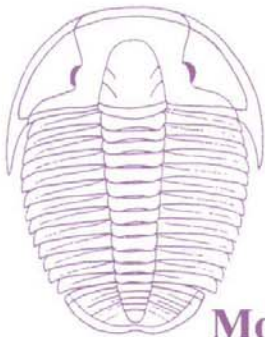
natural. For here are found very pleasing viewing-stones or Suiseki in Japan, the country of origin. The white ribbons flowing through these rocks—from small pebbles to huge boulders—can easily become waterfalls to the imaginative. A stone shaped like a high mountain cliff cut through by a flow of tumbling white water can be refreshingly enjoyable when set in the house to be contemplated in leisure hours—The imagination drifts to distant places—

Ranger, being only a short easy drive from Atlanta, has become even more popular this past year with gasoline prices going up. A huge amount of good material is just lying there waiting. This unique stone will be on display at the Southeastern Gem and Mineral Show July 24, 25, 26, 1975 at the North DeKalb Shopping Center Mall in Decatur, Georgia.



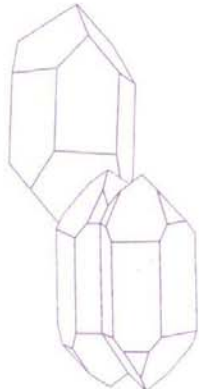


Gems, Fossils, Minerals and Jewelry!



43rd Annual
The Georgia Mineral Society's 2011
Mother's Day Weekend Gem & Mineral Show

A Non-Profit Educational Organization
www.gamineral.org



Over 30 Dealers!
Free Parking Free Admission
Door Prizes

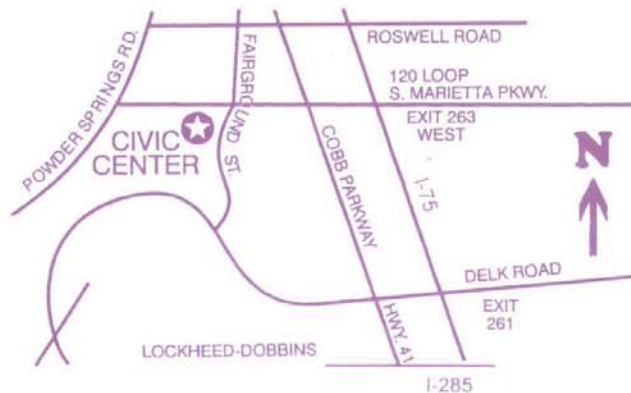
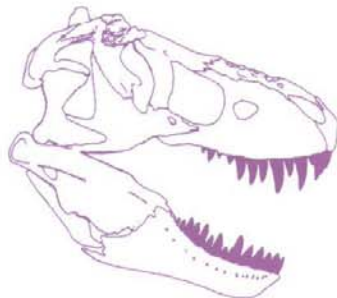
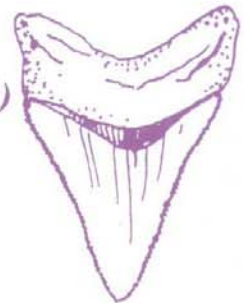
Special Door Prize for Students!
(Win a Great Prize for Yourself and for Your School!!)

Cobb County Civic Center

548 MARIETTA PARKWAY • MARIETTA, GA 30339

May 6	Friday	*	10 AM - 6 PM
May 7	Saturday	*	10 AM - 6 PM
May 8	Sunday	*	NOON - 5 PM

EXCITING AUCTION SATURDAY AT 1:00 PM



An Official Field Trip of the GEORGIA MINERAL SOCIETY, INC.

Saturday April 16th, 2011, 12:00 PM
Harleyville, SC

Cost..... 5 hour drive from Atlanta

What to collect: Marine fossils and Shark's teeth I have to explain.

A number of the sites we have collected in, as a club, have been closed to us. Insurance has given us the most problems with closings. As such some counties have come up with parks to collect in.

Aurora is a name fossil collectors know well for shark teeth and whale vertebra. The phosphate mine had allowed collecting there, on limited bases, but did stop and I don't know the present conditions. They also have a fossil dig next to the museum. It is also an 8 hour drive from Atlanta. A little closer to home was the Lafarge Cement Quarry in Harleyville / Holly Hill Area in South Carolina.

They used to allow collecting there but were also forced to stop. The nice thing for collectors is that they got together, with the town, to drop off some of their fossil matrix next to the Town Hall in a park owned by the town. I have been to the mine when other fossil hunters unearthed nice colorful 4" Carcharoden teeth. There is no way I can say that is what you will find but....

There should still be numerous fossils and easy to collect. I haven't been to the park but if you don't mind driving a distance, it should be a rewarding experience.

All that you would need is a screen and small spade to pick up the material to sift through. Also something to put your finds in.

Location: Town Hall at 119 South Rail Road Avenue Harleyville, South Carolina. 843-462-7676.

Because of the long drive we can meet at noon. Some people will be leaving at 7AM and will take them to noon to get there. I was unable to determine when new material would be deposited but there should be plenty to go through. The only request was that no one should start digging without first going into the Town Hall and speak to the policeman on duty and telling him their intentions.

George Libby cell 678-910-7476

GLENDON QUARRY

Standard Minerals/R.T. Vanderbilt Co.

Saturday, April 23, 2011

8AM till 3PM sharp!

All 120 open positions have been filled!!

Graves Mountain "Rock Swap and Dig"

8 am to 6 pm, Friday, April 29, 2011

8 am to 6 pm, Saturday, April 30, 2011

8 am to 6 pm, Sunday, May 1, 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)

Lots of Graves Mountain information, including reports, directions and pictures, may be obtained on the Georgia Mineral Society website:

<http://www.gamineral.org/commercial-gravesmountain.htm>

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). CHILDREN WILL BE ALLOWED DURING THE "Rock Swap and Digs" IF EACH CHILD IS UNDER ADULT SUPERVISION!

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 REPELLING 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!) EVERYONE NEEDS TO BE OFF THE MOUNTAIN BY DUSK. (Absolutely no one is allowed on Graves Mountain after dark.)

Please protect our ability to field collect at Graves Mountain! Report Violations to: Clarence Norman Jr., 706.359.3862 (his business) or 706.359.2381 (his home) All reported violations will be held in strict confidence.

April 2011

The Georgia Mineral Society

An Official Field Trip of The Cotton Indian Gem & Mineral Society, Stockbridge, GA (HOST)

An Official Field Trip of the GEORGIA MINERAL SOCIETY, INC.

Saturday April 30, 2011
Girard, Burke County, GA

Meet at 10:00 AM

Leave from Girard Post Office at 10:30 AM
"Savannah River Agate"

WHERE: The River road outside of Girard, GA.

WHEN: Saturday April 30, 2011

TIME: Meet at 10:00 AM and leave the Girard city Post Office on Hwy. 23 at 10:30 AM

Children and Pets: Children and pets are welcome but need to be supervised as we will be hunting on a dirt road.

Trip: Beautiful Savannah River Agate has been collected at this location for years. I have been told that there is as much material here today as there ever was.

Collecting: We will be collecting Savannah River Agate, fossils and micro minerals. This material is actually a conglomeration of agate, jasper, chert, and opalite all mixed together to form a layered specimen that will tumble or cab into beautiful display pieces. This rock occurs as black and brown mottled agate and in a large range of pastel colors from greens to yellows to violets. The fossils you may find are from 30-35 million years old Oligocene age deposits. The micro minerals are located in vugs of the agate/chert rock.

Special Conditions: We will be hunting in the roadway and road cuts only. Do NOT leave the road cuts. Please stay off of private property. Please do not go to the collecting site ahead of the group.

Bring: You will need to bring a rock hammer and scratching tool to collect the agate. You can dig if you want but make sure you fill in your holes after you're finished. If you plan to look for micro-minerals by busting the larger agate/chert specimens, you will also need some chisels and a sledge. More importantly you NEED eye protection (face shield would be best) and long heavy pants as this agate can act like shrapnel when cracked with a rock hammer or sledge! As always, bring your lunch, plenty of fluids, some bug spray, sun screen, a hat, gloves, sturdy shoes and lots of 5 gal. Buckets (Trust me - you will need them!).

Where to meet: We will meet at the Girard city Post Office on Hwy. 23.

Directions: From I-20 take Hwy. 520 (west of Augusta) south to Hwy. 56 and travel south. Go through McBean (do not take Hwy. 56 Spur). Turn left on Hwy. 23 to Girard and meet at the Post Office at 10:30 AM.

Drive time: From Atlanta 3 to 3 1/2 hours.

Contact:
Harry Hyaduck 678-464-4462
Email hyaduckh@yahoo.com or
Kim Cochran 770-979-8331



CCG&MS and Georgia Mineral Society
Sunday, May 1st, 2011
Patty Construction Quarry
Summerville Lace Agate
Chattooga County, GA
10:00 AM EDST

MEET: At the site, on US 27 in Chattooga Co. Ga. This is in the NW corner of the state of Georgia.

Directions: From I-75 exit at #306 and take GA. 140 West toward Adairsville. Turn rt. on to US 27. The Quarry will be on the left between the county owned waste dumpsters and the US Forestry office. This is approximately 3.0 miles beyond the intersection of Gore Subligna Rd. and about 2.2 miles South of Summerville. Allow about 2 hours for this approximately 90 mile trip from Atlanta.

Tools: Eye protection is a must for anyone wishing to break apart material with a rock hammer, or sledge. Chisels would be valuable, as would small ground shovels and rakes. A small cart or hand truck may be useful for hauling larger pieces of take home material. Much of the material is covered with a chalky white chert, and a pale of water is sometimes handy for dipping and identifying the better material.

Other: Bring plenty of fluids. This is a good site for children. Any pets MUST be on a leash at all times.

Special: THIS IS AN ACTIVE QUARRY. NO ONE WILL BE ALLOWED ANYWHERE NEAR ANY OF THE MACHINERY ON THE PREMISES. ANY VIOLATION OF THIS RULE JEPRODIZES THE FUTURE OF THIS SITE.

Weather: The field trip will be cancelled if there are any winter weather advisories (watches or warnings) issued for Chattooga Co., Ga. by the National Weather Service 12 hours in advance of the meeting time, or for the date of the trip.

All participants will be required to sign a release form.
CONTACT: Chris Munson - Home: (770) 428-9344 E mail: c.munson41@gmail.com
"Earth first...we'll collect on the other planets later."

The Georgia Mineral Society

April 2011

APRIL SHOWS 2011:

2-3—MIAMI, FLORIDA: Retail show; Intergalactic Bead & Jewelry Shows; Mahi Shriners, 1480 NW North River Dr.; Sat. 10-5, Sun. 10-5; adults \$5 Sat., \$4 Sun., children under 12 free; dealers, precious and semiprecious gemstone beads, sterling silver, findings, freshwater pearls, hand-blown glass, vintage beads, crystals, delicats; contact Angela Couch, (888) 729-6904; e-mail: angela.couch@beadshows.com; Web site: www.beadshows.com

9-10—DOTHAN, ALABAMA: 4th annual show; Dothan Gem & Mineral Club; Westgate Park, James Grant Recreation Center gym, 501 Recreation Rd.; Sat. 9-5, Sun. 10-4; free admission; door prizes, silent auction, mineral display, flintknapping demonstration; contact Arnie Lambert, (334) 792-7116; e-mail: arlambert@comcast.net

23-24—JACKSON, MISSISSIPPI: Show and sale, "Greater Southern Event"; Mobile Rock & Mineral Society, Mississippi Gulf Coast Gem & Mineral Society, Nature's Society of Majestic Arts; Trademart Bldg., Mississippi Fairgrounds; Sat. 9-6, Sun. 10-5; dealers, gemstones, minerals, fossils, beads, crystals, rare coins, rough and cut stones, finished jewelry, tools, lapidary supplies, stone carvings, loose precious stones, pearls, gem and gold mining, knapping, faceting, opals, jewelry repairs, demonstrators; contact Sharon McClanhan or Stan Bennett, (601) 898-0407; e-mail: stan@tompkinsdesigngrp.com

23-24—MEMPHIS, TENNESSEE: 32nd show; Memphis Archaeological & Geological Society; Memphis International Agricenter, 7777 Walnut Grove Rd.; Sat. 9-6, Sun. 10-5; adults \$5, children 12 and under \$2, Scouts free; dealers, exhibits, kids' area, speakers; contact W.C. McDaniel, (901) 274-7706; e-mail: info@theearthwideopen.com; Web site: www.TheEarthWideOpen.com

30-1—CHARLESTON, SOUTH CAROLINA: 20th annual show; Lowcountry Gem & Mineral Society; North Charleston Convention Center Complex Exhibit Hall A, 5001 Coliseum Dr.; Sat. 10-5, Sun. 10-5; free admission; contact Karen Havenstein, 518 Woodland Shores Dr., Charleston, SC 29412, (843) 795-2956; e-mail: fossils@comcast.net

MAY SHOWS 2011:

6-8—FRANKLIN, NORTH CAROLINA: Retail show; Franklin Area Chamber of Commerce; Macon County Community Bldg., 1288 Georgia Rd.; Fri. 10-6, Sat. 10-6, Sun. 11-4; adults \$2, under age 16 free; contact Linda Harbuck, 425 Porter St., Franklin, NC 28734, (828) 524-3161; e-mail: lindah@franklin-chamber.com; Web site: www.visitfranklinnc.com

6-8—MARIETTA, GEORGIA: 43rd annual retail show; Georgia Mineral Society; Cobb County Civic Center, 548 Marietta Pkwy.; Fri. 10-6, Sat. 10-6, Sun. 12-5; free admission; more than 30 dealers, door prize for students, auction Sat., demonstrations; contact Tom Batcha, PO Box 15011, Atlanta, GA 30333-5011; e-mail: mayshow@gamineral.org; Web site: www.gamineral.org

Other Regional Interests:

Alabama

Alabama Museum of Natural History
Smith Hall, University of Alabama Main Campus

Florida

Florida Museum of Natural History
<http://www.flmnh.ufl.edu/>

Georgia:

Macon Arts and Science Mueum
<https://www.masmacon.com/>
Anniston Museum of Natural History
<http://www.annistonmuseum.org/>

Kentucky:

The Clement Mineral Museum (Marion, Kentucky)
<http://www.clementmineralmuseum.org/>
See website for schedule of Digs for 2011: Next is April 2.

North Carolina:

Colburn Earth Science Museum (Asheville, NC)
<http://www.colburnmuseum.org/>
Discovery Place (Charlotte, NC)
<http://www.discoveryplace.org/>

Franklin Gem and Mineral Museum (Franklin, NC)
<http://www.fgmm.org/>

South Carolina

The Bob Campbell Geology Museum
<http://www.clemson.edu/public/geomuseum/>

Tennessee:

Frank H. McClung Museum
<http://mcclungmuseum.utk.edu/>

Virginia:

The James Madison University Mineral Museum
<http://csm.jmu.edu/minerals/>

Wildacres 2011
Spring Dates: April 11th - 17th

<http://www.amfed.org/EFMLS/Wildacres.htm#Spring>



April 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 April Fools	2
3	4 General Meeting	5	6	7	8	9 Adopt-a Highway
10	11	12	13	14	15 Taxes	16 Grab Bags & Field Trip
17 Palm Sunday	18 Fossil Section	19 Passover	20	21 Micro & Gem Section	22 Good Friday Earth Day	23 Glendon, Nc Field Trip
24 Easter	25	26	27	28	29 Graves Mtn., Ga Field Trip	30 Jr. Section Field Trip

Tellus Science Museum

I-75 Exit 293
 Cartersville, Georgia
 770-606-5700
<http://tellusmuseum.org/index.htm>

Upcoming Lectures

Family Science Night
The Art of the Space Shuttle Program
 Friday, April 8th, 2011 Mort Kunstler

All lectures are free for members and included in the cost of museum admission for non-members. Galleries will remain open until the start of the lecture.

Fernbank Museum of Natural History

76 Clifton Rd. NE,
 Atlanta, GA
 (404)929-6300
<http://www.fernbankmuseum.org/>

Dinosaur Egg Hunt

Saturday, 23 April, 2011
 Now showing in IMAX :
Journey into Amazing Caves
 Now showing through March 17, 2011

Greece - Secretes of the Past
 Now showing through March 17, 2011

A few of the Permanent Exhibits:
 A Walk Through Time in Georgia
 Giants of the Mesozoic
 The World of Shells

THE GEORGIA MINERAL SOCIETY, INC.
4138 Steve Reynolds Blvd.
Norcross, GA. 30093-3059
www.gamineral.org
MEMBERSHIP APPLICATION

Name: _____ Birthday: month/day _____

Email: _____

Spouse: _____ Birthday: month/day _____

Spouse's email: _____

Children's Names & Birthdays: mo/day/yr (residing at home): _____

Address: _____

City: _____ State: _____ Zip+4: _____

Home Phone(s): _____ Cell Phone(s): _____ Office Phone(s): _____

Occupations: _____

Hobbies, Interests: _____

SPECIAL INTEREST GROUPS AT GMS: (Check all that apply)

Mineral Section

Micromount Section

Fossil Section

Junior Section

Gem Section

Electronic Newsletter

Dues for New Members (Single, Couple, Family) are \$25.00 per Society year. (\$20.00 + \$5.00 Initial Processing Fee)
Renewal Dues are \$20.00 per Society year. (due 12 months from the date of joining and every 12 months thereafter)
Reinstatement Dues (For Expired Membership) are \$25.00 (\$20.00 + \$5.00 Reinstatement Fee).

FAMILY MEMBERSHIPS ARE FOR THE IMMEDIATE FAMILY INCLUDING CHILDREN RESIDING WITH PARENTS.
CHILDREN UNDER 18 YEARS OF AGE ARE CONSIDERED JUNIOR MEMBERS.

PLEASE MAKE CHECKS PAYABLE TO THE GEORGIA MINERAL SOCIETY, INC.

THE GEORGIA MINERAL SOCIETY, INC.
4138 STEVE REYNOLDS BLVD.
NORCROSS, GA. 30093-3059

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