GENERAL MEMBERSHIP MEETING

7:30 pm Monday, August 2, 2010
Chamblee Library
4115 Clairmont Road
Atlanta, GA. 30341

What's Creepier Than a Spider In Amber? One That's Waving a Banner!

Anita Westlake will give a talk on AMBER for our August program. She will talk about the many uses of amber, inclusions in amber and how to hunt for this beautiful hardened resin. Anita will bring many specimens from her personal collection for "Show and Tell".

If you have amber you'd like to show off, please bring it along. If you're not sure the amber necklace from your great aunt is really amber, Anita will be happy to hazard a guess as she will also discuss how to tell real amber from fake.

Please join us for our August meeting!

Carl Ziglin,
VP of Programs
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

The article submission due date for the September 2010 newsletter is August 15, 2009.

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 Chamblee Branch of the DeKalb County Library System. 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

Announcements for educational publications, continuing education classes, and shows or exhibits are provided in Tips and Trips as a service to GMS members. Appearance of the above in Tips and Trips does not constitute an endorsement by GMS.
President’s Message

Howdy. Let’s talk about using our collecting material. After high grading, my booty goes to students, classrooms, teachers, grab bags, and miscellaneous children of all ages who I happen to meet. Mostly the material is passed along as I found it (maybe cleaner), right out of the bed of the truck. It is useful to be able to see the specimens as they are found so that the recipients will recognize the material when they begin their own collecting. Many field trip leaders show off the material that may be found during their collecting trip. OK. So you are not a field trip leader, a student, a teacher, or a dealer. What can you do with the pretties that you have found?

One option is lapidary. Cut, polish and show the material in the best possible manner. Some folks like to facet their gem quality material. Some folks like to wire wrap their material without altering the appearance very much. Some folks like to cabochon their material. Some folks like to set their material in silver or copper or gold. Jewelry/art is the result: rings, pendants, belt buckles, pins, earrings, broaches, etc. The possibilities are limited only by your imagination.

“Wow, Bill,” you say “that takes time and money and I know that you have little of either. Why are you making these comments?” As you may have guessed by now, I finally took a class at the SFMS week at the William Holland School of Lapidary Arts. For less than $400 including room, board, class instruction with equipment, and lab material fee, I completed a week of cabochon class in the North Georgia mountains. I can now make a powder slurry out of very beautiful collected material!! Luckily, a number of remnants survived which are rounded and smooth and very shiny. I can make circles, ovals, triangles and my specialty, free form shapes (funny looking “why did you make it look like that?” shapes. What a great time!! Enjoying a relaxed atmosphere with friendly folks, working with materials that were personally collected, and making a watery, muddy mess all at the same time was definitely my reward for all those years of picking up rocks.

Make no mistake. My first love is the natural material as found in situ. For learning and teaching, the relationship with the surrounding rocks is most important. My main collection will continue to be in the natural state. It is nice, however, to be able to highlight features by polishing them and revealing details that may be obscure to the untrained eye otherwise. I definitely recommend the SFMS lapidary classes of William Holland and Wildacres to teach you ways to show off your hard won collected materials or make beautiful jewelry to wear and give away.

Who knows, when GMS comes up with a new home with workshops, maybe you can practice your favorite lapidary skills in the company of GMS members.

Respectfully submitted,
Bill Waggener, President

Membership

Georgia Mineral Society would like to welcome the following new members:

The July Report - Brendan, Monica, Lila, and Julia Barrett of Atlanta, GA; Tiara and Jason Ferrell of Conyers, GA; Kimberly Ryan and Michael, Aidan, Liam, and Riley Klosky of Suwanee, GA; Judy and David Morrison of Dewy Rose, GA; Tomi, Wayne, Wayne, Jr., and Emily Padgett of Terre Haute, IN; Desiree, Kelvin, Jelani, Ayanna, and Kwaku Smith of Atlanta, GA; and Marylyn, Thomas, and Logan Tuura of Tucker, GA.

The August Report - Barbara and Bill Bear of Atlanta, GA; Claire Drouault and Marie, Veronique, and Dorsey McBride of Atlanta, GA; Carlos and Olga Flores of Griffin, GA; Kuan-Hsiang Huang, Yow-Ling Chang, and Megan and Alan Huang of Snellville, GA; Kathy Jackson-Fraser, David Fraser, Hannah Fraser, and Janet Jackson of Lilburn, GA; Debra Rhiver of Tucker, GA; Mark and Christine Scheller of Talking Rock, GA; John and Sandra Simms of Clarkesville, GA; Becky and Wayne Syverson of Decatur, GA; and Jack Thurber of Decatur, GA.

Please introduce yourselves to them when you meet them.

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@netzero.net or call me at 770-439-5756.

Happy rockhounding!

Lizabeth McClain
Executive Vice President

Board Meeting

Sunday, September 12th, 2010
1402 Arbor Lake Court
Hoschton, GA 30548
678-425-2573

The next board meeting will be held on September 12th at the home of Eva and Irving Ostrofsky. The meeting is open to all members. The gathering will begin at 11:30AM. Lunch is at noon, the business meeting at 1:00PM.

Please contact Eva if you plan to attend.
Due to scheduling issues, I was not able to get the July Birthdays and Anniversaries in the last newsletter. In this edition both July and August are included.

**JULY BIRTHDAYS**

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<tr>
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<tr>
<td>7/02</td>
<td>Joe Andrelczyk</td>
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<td>Kristen Dessin</td>
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<td>Lewis McDermott</td>
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<td>Sarah Hottenstein</td>
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<td>Kim Cooper</td>
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<td>Eric Fritz</td>
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There was one other anniversary not listed above for July. Lawrence and Shirley Parker celebrated their 27th anniversary.

**JULY ANNIVERSARIES**

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**AUGUST BIRTHDAYS**

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<td>Bo Dombek</td>
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<td>Riley Klosky</td>
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<td>George Libby</td>
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<td>Mike Dessin</td>
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**Rock and Mineral Show scheduled for Dahlonega Gold Rush Days**

Tommy Folger of Dahlonega is looking for GMS Members that would be interested in being vendors at the new upcoming Rock and Gem Show in Dahlonega scheduled for the weekend of Gold Rush Days, October 16-17 from 10am to 5pm both days.

If you would like more information contact Tommy at 706-973-0003 or email tfolger@windstream.net. The Chamber of Commerce is also involved and can be reached at 706-864-3711.
**Mineral Section**

Please plan on attending our Mineral Section Meetings for 2010. There is something here for everyone.

**SEPT 15:** Topic: IGNEOUS, METAMORPHIC AND SEDIMENTARY ROCKS: The Rock Cycle  
Speaker: Kim Cochran  
Location: Mary Gurney's house  
Directions and RSVP: 678-985-9129

**NOV 17:** Topic: CARBONATES  
Speaker: John Trimble  
Location: John Trimble's house  
Directions and RSVP 770-425-5075

Feel free to call or email Anita Westlake, Mineral Section Chair, for more information: 404-761-7849 or anitawestlake@att.net

**Gem Section**

**April meeting:**  
Monday August 30th, 7:30 meeting

**Australian Gems**

Kim will talk to us about the gem stones of Australia.

We will be meeting at:  
The home of Richard Graveline  
2223 Chaparral Drive  
Snellville, GA 30078

**Please phone 770-972-8714 to RSVP.**

We are looking for speakers for future meetings. Please step up to speak up!

Hope to see you at this month's meeting!

Carl Ziglin,  
gems@gamineral.org

**Fossil Section News**

DATE: August 16, 2010  
TIME: 7:30 PM  
LOCATION: LeRoy & Martha Brown’s Home  
4837 Greenway Road, Norcross GA 30071  
PHONE: 770/448-0876 For directions & RSVP

**FOSSIL IDENTIFICATION**

We will discuss & argue about the methods of fossil identification. Please bring your questions and fossils to share with us.

Thank you to Kim Cochran for a great program.  
Thank You to Susan Filak for the chips, dip, & cookies.  
Thank you to Gail Leadingham for the fossils the last two meetings. Our fossil collections are expanding.

Thank You,  
Martha S. Brown

**Sunshine News**

Everyone remember to keep Pam Martin in your thoughts and prayers. Pam was diagnosed with thyroid cancer in June and had surgery on July 29th. She said that she is recovering well but continues to have some pain and soreness in her neck.

Also please continue to keep Karen Babulski on your thoughts and prayers list. Karen is at New London Health Center. The address is 2020 Mc Gee Road, Snellville, Georgia 30078. Her room number is Room C9.

As always let me know when you have any news for the Sunshine.

Linda Batcha, Sunshine Chair
History of the Durham Coal Mine
By Tom Batcha

On Saturday July 10, 2010 the Georgia Mineral Society and the Cobb County Club had a joint field trip to Durham, Georgia located on top of Lookout Mountain for plant fossils. On the way back from the site, Richard Graveline and I discussed how it would be beneficial if we knew more about the history of the coal mine. This article is my attempt of researching the topic and sharing an article that would be of interest to anyone has been to the site or may go to the site in the future. I would also like to recognize the article that George Libby wrote from the first hand accounts of a local resident that he met on the day of the trip. His article is a great resource and gives a perspective that can not be found in books. The research for this article comes from a number of resources including several Georgia Geological Surveys, an early Mines and Minerals Journal, and current topographical maps.

The Durham coal mines are located in and around a geographical structure known as Round Mountain. The early mines operated by the Durham Coal and Coke Company of Chattanooga were underground mines with shaft entrances originating from inside the gorge of Round Mountain. Today's topographical maps also show evidence of widespread strip mining that encircles Round Mountain. Those strip mines appear to follow the same elevation which would indicate following a coal seam and this includes the area where the plant fossil collecting site is located that the clubs visited. My initial thoughts were that the collecting dumps were from tailings from the Round Mountain mine shafts but after reviewing the map it appears that is not the case. In writing this article I found this is just one of a number of items to further explore on a future visit. If the map is correct then there should be signs of the strip mines in the same proximity as the dump piles.

From the historic perspective there is an excellent record of the early workings at Round Mountain in the Georgia Geological Survey Number 12 published in 1904. It records "Active mining operations might be said to have begun at Round Mountain in 1891, a few months previous to the completion of the Chickamauga and Durham Railroad to that point. The first shipments were made in 1892, since that date the mines have been in continuous operation. At the time of the writer's visit to Round mountain, the mines gave employment to 150 convicts and a limited number of free laborers. The daily output of the mines at that time was 700 tons. Something like one-fifth of the total amount of coal, then produced, was manufactured into coke, and the remainder was used for steam and other purposes."

Now the research project continues to grow as additional aspects of the operation now includes tracing the railroad that transports the coal off Lookout Mountain over to Chickamauga. There at Chickamauga we will learn of the coke ovens that are all part of this operation. Next the Survey continues in its description of the operation and as a visual aid the Survey provides the following diagram of the mountain and gorge area.

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"The Durham mines are well equipped with all the necessary machinery, needed to carry on successful and economic mining. The plant consists of a coal washer, with a capacity of 300 tons per day; 150 coke ovens, 100 of which are located at Chickamauga; small locomotives, with which to handle the coal, both in the yard and within the mines; machine and blacksmith shops; a commissary and an office building; residences for the superintendent and the physician; and numerous miners’ cottages and convict barracks. The plant is located in the gorge at the entrance to the mines on the north side of the mountain. The location
has been well selected; and as a consequence, the entire coal seam can be worked without any special inconvenience from long underground hauls. Furthermore, the plant is located at a point, towards which the coal seam dips from all directions. This insures the least possible expense in delivering the coal to the tipple, and also draining the mine.”

Another visual aid that the survey provides is the photograph of one of the mine shaft entrances. In all the survey contains over five written pages on the Durham Coal Mine which includes a chemical analysis of the coal and a description of the geological stratus of the mountain showing the thickness levels of the various coal seams and other rock layers.

My research also found a second reference that described the operation in this time period. It comes from the September 1900 edition of Mines and Minerals and was written by A. W. Evans who was at the time the Superintendent of the Chickamauga Coal and Coke Company. He states “The mining plant is located on lot 315 in Walker County, and is reached by the Chattanooga & Durham Railroad, 17 miles west of Chickamauga. The mine is worked on the pillar-and-room system, entries being driven at convenient distances, usually at right angles to the main haulage entry. Then on each side rectangular rooms are worked out. At present the main No. 1 entry is driven about 5,000 feet. The coal from the three openings is delivered at one central point for tipping and washing. The coal, after leaving the car, passes over bar screens spaced 2 inches apart, and at an angle of 38 degrees; the fine coal falls into a retention bin, from which point it is carried by suitable machinery to a 400-ton Robinson-Jeffery coal washer. Here it is freed of slate and other impurities and is then conveyed to a settling bin, from whence it is loaded into railroad cars for the coke plant at Chickamauga.”

Also noted in the Mines and Minerals article was information on the Chickamauga Coke Plant where one hundred and one 12x7 ft. beehive ovens were lined in one continuous battery. In the article, Evans goes on to give a detailed description on the working of the coke ovens. Along with the description is the photograph below that shows the approach to the ovens at that plant. Today thirty six of those coke ovens can still be seen at the site on Hwy 341 just north of downtown Chickamauga on what is now known as the Coke Ovens Park. The park also has two of the railroad cars used to haul the coal and several interpretive signs that gives the visitor a glimpse of this history. My family and I visited the park on the return trip of our recent vacation to Ohio.
The remains of the Coke Ovens in Chickamauga  
(Photograph by Tom Batcha)

Unfortunately there is not as much information available on the later years of the operation but I was able to get bits and pieces of information from the various websites listed. The Railroad was sold and changed names on a number of occasions. In 1894 the railroad was sold and became the Chattanooga and Durham Railroad. In 1900 the railroad was sold to the Chattanooga, Rome and Southern Railway and one year later the Central of Georgia Railway purchased that entire line. By the depression years the mines were becoming depleted and the coke ovens ceased operation. Coal would continue to be carried on the tracks during the 1940s. Passenger service on the line was discontinued in 1936.

Bulletin 54 from the Georgia Geological Survey published in 1948 gives the following account of the mining operation for that time period. In regards to all of the coal mines that were once in Dade and Walker Counties, “the mines near Durham are the only ones which have remained in continuous production since this date” (the date being reference was 1891). Along with mentioning the underground workings there is reference to the strip mining, “here the ‘A’ coal bed is being worked by contour striping methods. The overburden consists of soft shale and ranges for 10 to 20 feet in thickness, averaging 15 feet. The coal bed varies from 2 to 2½ feet in thickness and is estimated that the daily production is 200 tons.” Three beds are referenced in the bulletin: the No. 4 Bed, the No. 5 or Durham Bed, and the “A” Bed. The bulletin is accompanied by a large map and gives mine locations with a key to the mine name and owner. There are two mines listed near the area of Round Mountain. The mine located west of the mountain in Dade County is the V.P. Serodino Company, Inc mine. Another mine shown south of the mountain in Walker County is the Progressive Industries mines.

There is evidence that collecting plant fossils began as early as 1954. In that year, the Georgia Geological Survey published Bulletin Number 62. The bulletin gives a detailed list of the fossils from this locale. It includes black and white photographs which are very helpful in fossil identification. The variety of fern leaves include Annularia, Alethopteris, Pecopteris, Archeopteris Neuropteris, and Sphenopteris. Other plant fossils you will find are Calamites, Cordaites, Sigillaria, Lepidodendron, and Macrostachya.

For myself this was one of the first sites that I visited for collecting fossils. The site remains a great place for plant fossils. One word of advice would be to make sure you carry a change of clothes, you will get plenty dirty.

References

Internet Sources:
Georgia Geological Survey No. 12 – A Preliminary Report on the Coal Deposits of Georgia  
http://books.google.com/books?id=1hsQAAAAIAAJ&printsec=frontcover&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false  
(Durham Coal Mine description begins on page 34)

Mines and Minerals Volume XXI  
http://books.google.com/books?id=ZZnmAAAAMAAJ&printsec=frontcover&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false  
(Durham article begins on page 49)

Coke Ovens Chickamauga Georgia  
http://www.cityofchickamaugageorgia.org/cokeovens.htm

Chickamauga Coke Oven Park  
http://www.n-georgia.com/walker_co.htm

Chickamauga coke ovens listed in National Register  

Durham Rail Line  
http://www.harpswitch.com/durhamrail.htm

Books by the Georgia Geological Survey:
Georgia Geological Survey No. 12 – A Preliminary Report on the Coal Deposits of Georgia  
(Pages 34 – 40 gives a description of the Durham Coal Mine)

Georgia Geological Survey No. 54 – Geology and Mineral Resources of the Paleozoic Area In Northwest Georgia  
(Page 104 – 109 gives a description on coal seams and analysis of coal samples of that time period)

Georgia Geological Survey No. 62 – Contributions To The Paleontology Of Northwest Georgia  
(Pages 135 – 149 show photographs of the various plant fossils found at Durham site)
Another Great Field Trip
By George Libby

Durham fossil trip,
Saturday the 10th of July over two dozen members met at the Durham Coal Mines. Well according to a local historian, that stopped by, this area was not the coal mine itself, which was further down the road, but the area that was our parking lot was an open pit area that was scrapped clean of the coal and the wall is the original wall that was left as the coal ran out. He explained how convicts were used to mine the coal, but after a couple of accidents the Georgia legislature passed a law in 1903 that convicts would not be allowed to go deeper than 3 feet underground.

The remains of the buildings are still down the road as well as the ball field where the miners stayed and played. He told of the life of miners that would arrive late Sunday and stay there until Friday when they used a trail down his property, Jacobs Trail, when all you saw was the lamps going down the trail when miners were allowed to go home. He knew kids that the only time they saw their fathers was to get up on Saturday morning, see them, and the next day go to church and have them leave for another week.

As for us, everyone found something. Kids had a blast finding the small fossils right in the parking lot. Others found larger plates deeper in the woods. For those that wanted something different there was the coal samples to be found.

View of the Parking Area

Various views of club members collecting plant fossils
(Photographs by George Libby)
Plant Fossil Identification

The following photographs of Durham plant fossils were extracted from the Georgia Geological Survey No. 62 – Contributions To The Paleontology Of Northwest Georgia.

Page layout by Tom Batcha

Alethopteris

Neuropteris

Callipteridium

Archeopteris

Sigillaria

Sphenopteris

Lepidodendron

Cordaites

Calamites
DMC Program of the SFMS Field Trip Committee
An Official Field Trip of the Carroll County Gem & Mineral Society, Inc. (Carrollton, GA)(HOST)
An Official Field Trip of the GEORGIA MINERAL SOCIETY, INC.

Patty Construction Quarry
Summerville Lace Agate
Chattooga County, GA
August 15, 2010
8:30 AM EST

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

WHEN: August 15, 2010

TIME: : 8:30 AM EST

Directions: From Summerville, Ga. follow US 27 South for 2.20 miles. The site will be on the right between the county owned waste dumpsters and the US Forestry office. Coming north from the Rome area, the site will be on the left side of US 27, and approximately 3.0 miles beyond the intersection of Gore Subligna Rd.

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.
Facilities: In town about 2 miles away

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 MAY JEOPARDIZES FUTURE FIELD TRIPS TO THIS SITE.

DMC CONTACT:
Lori Griggs, Carroll County GMS President
Home: (404) 538-7442
E mail: serenitygirl37@yahoo.com

World Wide Web site for the DMC is:
http://www.gamineral.org/dmc.htm

The Georgia Mineral Society
Extended Field Trip
September 24, 25, & 26
Keokuk/Hamilton IL.
"Geode Fest"

Collecting Geodes: This is a festival put on every year with a swap shop and 5 field trips. Actually there are 9 sites with some that are not normally open for collecting, but are open for the festival. There are 2 trips on Friday, 2 on Saturday and 1 on Sunday. There are different leaders so when you sign up at the Chaney Creek Boat Access you would have to decide which sites you would like to attend. You can try 5 different sites or try to go back and keep visiting one site. Sites vary from Easy, Moderate or Difficult. There are stream sites so be prepared to get wet, but would be an easy trip to just bend over and pick up the geodes. Of course the more difficult sites with heavy digging might give the largest geodes up but there are enough sites that everyone should be able to collect some.

Cost: You can sign up for one day, two days or all three. On the days that have multiple trips you can sign up for one trip or both trips. The cost is the same, no matter how many of the 5 trips you attend, $20 fee for an individual or $30 fee for a family. There is an additional fee of $20 for every 5 gallon bucket collected. On the more difficult trips the cost is $25 a bucket or $1.50 a pound if it doesn't fit in the bucket.

Sign up: You can get further information on the "Geode Fest" web site or "Firstcrackgeodes" or contact me. I have some release forms and registration forms and might be able to give you more information. Actually I am choosing a motel that we might be able to meet to discuss the different locations and best places to search. If nothing else, please give me a cell phone number (or where you are staying or camping) that we might be able to get together for dinner at some restaurant. Many of the motels are giving discounts but some discounts are only for those that sign up early.

Directions: Map Quest or any atlas should be able to get you there. I punched in my address and Keokuk and it said 12 hours / 750 miles. You can decide if you want to push it driving for a day or take your time for two. On the trip back the field trips are over at noon on Sunday so you can leave then but most likely would need a stop on the way home.

Contact me at: onsiteinatlanta@yahoo.com or 770-978-2117 or on the road at 678-910-7476.
If this works we may be able to try a few more trips like this one.

George Libby, GMS Field Trip Chair
Tellus Mineral Symposium

GOLD

Tellus Science Museum
August 21, 2010
10:00 am to 1:00 pm

Museum Members: $8
General Public: $20

Admission includes refreshments, lectures in the mineralogy and history of gold, a live auction to benefit Tellus Collections, and a weekend museum pass to Tellus.

10:00 AM
A comparison of four modern gold specimen producing localities in Colorado, Nevada, and California
Dr. Bob Cook, Auburn University

10:45 AM
A Broad Sampling of Gold Samples and Gold Mines in the Southeastern United States
Travis Paris, Aggregates USA, LLC

11:30 AM
Georgia Gold: Rediscovering Gold from the Georgia Capitol Museum and Academy of Natural Sciences of Philadelphia Collections
Julian C. Gray, Tellus Science Museum

12:15 AM
The Nature of Early Georgia Gold Discoveries in Georgia and Development of Mining Technology
Fred Holabird, Holabird-Kagin Americana

Please pre-register by calling Tellus
706-606-5700 ext. 417

2010 Falls Fossil Festival

This 16th annual event, will be held September 18 - 19 at one of the world’s most spectacular naturally exposed fossil beds! Visitors are encouraged to explore our rich Middle Devonian patch reef packed with fossils on the riverbed at the Falls of the Ohio. Look for giant colonial corals, horn corals up to four feet long, trilobites, and numerous other types of marine organisms.

This show, held rain or shine, features outdoor vendors selling fossils, minerals, books, items with a geo-science theme and food. There are fossil bed tours and special programs from knowledgeable paleontologists and geologists in the Interpretive Center. Speakers and topics this year include:

Sept. 19
1:30 Fossil Plants from the Age of Coal, Walter Gray, Indiana Geological Survey, Bloomington
2:30 Life in the Precambrian, Dan Phelps, Kentucky Paleontological Society, Lexington, Kentucky
3:30 Fossils and the Internet, Michael Popp, Louisville
4:30 Keynote Presentation – Dinosaurs! Dr. Steve Greb, Kentucky Geological Survey, Lexington

Sept. 20
2:30 Fossil Collecting Tips, Rick Schrantz, Kentucky Paleontological Society, Lexington, Kentucky.
3:30 Mineral Collecting Tips, Steve Garza, Corydon, IN

Collecting is prohibited at the Falls of the Ohio; however, a local quarry donates 30 tons each of fossil-bearing Silurian Waldron shale and Devonian Jeffersonville Limestone residuum. Dig for brachiopods, bryozoans, corals, crinoids, cystoids, snails, clams, and trilobites our Fossil Collecting Piles provided by local quarries. A mineral collecting pile from the Hastie's mill dump in Rosiclare, Illinois will also be available. We can direct your club to other localities to collect fossils and/or minerals. (The park's website lists more than a dozen collecting locations in the area.) This would be an ideal weekend field trip. We hope members of your group will be able to attend!

Details can be found on the Festival web site from our home page - http://www.fallsoftheohio.org or directly: http://www.fallsoftheohio.org/FallsFossilFestivalProgram.html or contact me at agoldstein@dnr.in.gov if you have any questions.

Alan Goldstein, Fossil Festival Coordinator
Interpretive Naturalist
Falls of the Ohio State Park
201 West Riverside Drive
Clarksville, IN 47129-3148
(812) 280-9970 ext. 403
www.facebook.com/fallsoftheohio
Southeastern Rock, Gem, & Fossil Shows
http://www.rockngem.com/showdates.asp

July 29-- Aug 1--SPRUCE PINE, North Carolina: Show, "North Carolina Mineral and Gem Festival"; Mitchell County Chamber of Commerce; Spruce Pine Commons, Hwy. 226; Thu. 10-6, Fri. 10-6, Sat. 10-6, Sun. 12:30-5; adults $3, seniors $1 Thu., children under 12 free; special exhibits, demonstrations, kids’ events and activities; contact Patti Jensen, P.O. Box 858, Spruce Pine, NC 28777, (828) 765-9033; e-mail: pjensen@mitchell-county.com; Web site: www.ncgemfest.com

Jul 29-- Aug 1--SPRUCE PINE, North Carolina: Business-to-business gem trade show; Gem & Lapidary Wholesalers Inc.; Pinebridge Executive Inn, 207 Pinebridge Ave.; Thu. 10-5, Fri. 10-5, Sat. 10-5, Sun. 10-3; contact G&LW, P.O. Box 98, Flora, MS 39071-0098, (601) 879-8832; e-mail: info@glwshows.com; Web site: www.glwshows.com

Aug 6-8--DALTON, GEORGIA: 19th annual show; Treasures Of The Earth Gem & Jewelry Shows; Northwest Georgia Trade & Convention Center, 2211 Dug Gap Battle Rd., I-75 exit 333; Fri. 2-7, Sat. 10-6, Sun. 11-5; adults $3 (3-day ticket), children under 16 free; jewelry makers, goldsmiths and silversmiths size, reconstruct, repair, design or make original jewelry from customer-selected gems, stones, opals and crystals, wire wrap, wire sculpture, stone beads, pearls, stone setting, dealers, amber, opal, fossils, minerals, door prizes, grand prize, wire wrapping classes; contact Van Wimmer Sr., 5273 Bradshaw Rd., Salem, VA 24153, (540) 384-6047; e-mail: vawimmer@verizon.net; Web site: www.toteshows.com

Aug 13-15--PASS CHRISTIAN, MISSISSIPPI: Show; Harrison County Gem & Mineral Society; West Harrison County Community Center (Espy Center), 4470 Espy Ave.; Fri. 12-7, Sat. 9-6, Sun. 10-5; adults $3, children 12 and under free; door prizes, grand prize, wire wrapping classes; contact Van Wimmer Sr., 5273 Bradshaw Rd., Salem, VA 24153, (540) 384-6047; e-mail: vawimmer@verizon.net; Web site: www.toteshows.com

Aug 20-22--CARVERSTIES, GEORGIA: Show, "Southeast Gem, Mineral & Fossil Show"; Martin Zinn Expositions LLC; Holiday Inn, I-75 and 411 NE; Fri. 10-6, Sat. 10-6, Sun. 10-5; free admission; 80 wholesale and retail dealers, open to the public; contact Martin Zinn Expositions, P.O. Box 665, Bernalillo, NM 87004-0665, fax (505) 223-3478; e-mail: mzexpos@aol.com; Web site: www.mzexpos.com

Aug 20-22--LEXINGTON, KENTUCKY: Show, "Gemboree 2010"; Blue Grass Gem & Mineral Club; Lexington Convention Center "Heritage Hall", 430 W. Vine St.; Fri. 12-6, Sat. 9-7, Sun. 10-6; adults $1, students and children free; rocks, gems, minerals, jewelry, fossils, Kentucky agate, displays; contact Phillip Daly, 10330 Forkland Rd., Parksville, KY 40464, (859) 854-0418; e-mail: phillipdaly@bellsouth.net; Web site: http://sites.google.com/site/gemboree2010/

Georgia State Parks
http://gastateparks.org/events/

Georgia State Parks
http://gastateparks.org/events/

Geology Hike
Saturday, Aug 14, 2010 9 AM to 11 AM
Sweetwater Creek State Park - Lithia Springs, GA
Geologist and "Friends of Sweetwater Creek State Park" member John Johnston will lead a moderate 2-mile hike identifying rock types and explaining how they formed. There will also be a visit inside the ruins of the Civil War era New Manchester Mill alongside the beautiful rapids of Sweetwater Creek. $5 plus $5 parking. 770-732-5871.

Gold Fever
Saturday, Aug 21, 2010 9 AM to 12 PM
Smithgall Woods Conservation Park - Helen, GA
Gold mining is a fascinating part of the history of Smithgall Woods and the surrounding area. Hear more about the history of gold mining with a local historian as well as the geology of the area, then hike the Martin Mine Trail. Register in advance. $5 plus $5 parking. 706-878-3087.

Flintknapping
Saturday, Aug 28, 2010 10 AM to 4 PM
Etowah Indian Mounds Historic Site - Cartersville, GA
Did you ever wonder how an arrowhead is made? An expert flintknapper will demonstrate this ancient art form. See arrowheads, spear points and knives made before your eyes. $3.50 - $5.00 770-387-3747.

Iron Pour and Furnace Demonstration
Saturday, Aug 28, 2010 12 PM to 10 PM
Red Top Mountain State Park - Cartersville, GA
Witness the seldom-seen process of making cast iron as we fire up our cupola furnace. Visitors can purchase scratch block molds to create their own cast iron works of art. Also Enjoy tours of the an iron mine and see our bloomery furnace in action. $7 for scratch block mold. $5 parking. 770-975-0055.
August 2010

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Tellus Science Museum
1-75 Exit 293
Cartersville, Georgia
770-606-5700
http://tellusmuseum.org/index.htm

Tellus Lecture Series Presents
Mineral Symposium - Gold
Saturday, August 21, 2010
Julian Gray

Australia’s Rich Mineral History
Tuesday, September 21, 2010 7 PM
Penny Williamson

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/

On Exhibit:
Geckos: Tails to Toepads

Now Showing in IMAX:
Roar: Lions of the Kalahari opens July 30
Bugs thru September 6

Martinis & IMAX®, Fridays from 6:30 p.m. to 11 p.m.
Pulse: A Stomp Odyssey
Cirque du Soleil™ Journey of Man
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.
P.O. Box 15011
Atlanta, Georgia 30333-5011

ADDRESS CORRECTION REQUESTED
PLEASE FORWARD

FIRST CLASS