

Tips *and* Trips



The Georgia Mineral Society

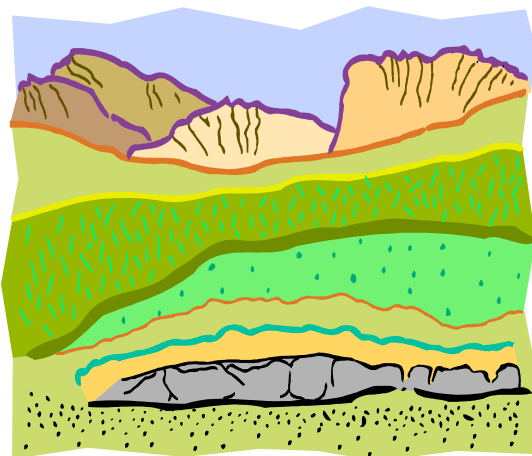
Atlanta, Georgia

Volume XXXVIII/Eight

August 2009

General Meeting

7:30 PM Monday, August 3, 2009
Chamblee Library
4115 Clairmont Road
Atlanta, GA 30341
770-936-1380



Bob Jarrett attended Georgia State University's 2009 Camp centered at Dillon, Montana. He will explain the thrills and joys of mixing rock formations, sagebrush, rattlesnakes, and steep loose slopes. Bob will illustrate some of the ways rock structures and mineral formation relate. Plus, there will be discussion of some relevant show-and-tell rocks gathered in the Dillon region ranging out to Butte and Yellowstone. Can you define a Garnet Gravel Grovel?

Bob promises to have "twenty seven eight-by-ten color glossy photographs with circles and arrows and a paragraph on the back of each one explaining what each one was". Keep an eye out for Alice.

The August Meeting:

Geology Field Camp '09: Getting Over the Next Hill,
When You're Over the Hill

Presented by our long time member Bob Jarrett

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



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Librarian	Julian C. Gray	770.973.3632
Parliamentarian	Frank Decaminada	770-992-8309
Refreshments	Kim Prakash & Nancy Marden	770.879.0476 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 September 2009 newsletter is August 10, 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.

May Show Committee Chairs

Show Chair	Kim Cochran	770.979.8331
Dealer Chair	Anita Westlake	404.761.7849
Exhibits	Tom Batcha	678.407.4224
Demonstrations	John Trimble	770.425.5075
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Database	Mary Porter	770.998.1018
Auction	Kim Cochran	770.979.8331
Set Up/Take Down	Jay Gorday	770.986.0822

August 2009

The Georgia Mineral Society

Georgia Mineral Society July General Meeting

The July 6th meeting of the Georgia Mineral Society was called to order at 7:41 PM by Bill Waggener, President. There were 37 present with no visitors or new members. Bill asked everyone to observe a moment of silence in memory of Jeannette Banks. Bill thanked Jeannette for all of her help. Bill thanked Olin for being with us. Olin thanked everyone for supporting him through this rough period of time.

Carl Ziglin introduced John Iacullo and his twin Jay who presented a great program on lost wax casting. John discussed the history of lost wax casting, different methods of casting, and passed around samples for everyone to view. Afterward Carl presented John with a polished piece of Oregon petrified wood. Carl also presented Kim Cochran with a gift card for his previous talk on Rocks. Bill thanked John for his lecture.

- Lizabeth McClain reported that we have members. Renewals and new memberships are coming in. An update will be in the Tips and Trips.

- Carl is looking for programs. If you are interested in putting on a program contact Carl.

- Kim had minutes. Jay Gorday made the motion to accept the minutes as typed by Kim. Sarah Gorday seconded and the motion carried.

- Kim thanked everyone for helping with another successful show. The food was great. The demos and exhibits were also. We have 80 grab bags left from the show. Eva Ostrofsky has already sewn 500 bags for next year.

- Kim thanked everyone for their help and support at the picnic. We made over \$2700 at the auction.

- Kim will contact the Colonade Restaurant this month to arrange the October dinner meeting.

- John Trimble reported that we had money.

- A Board of Trustees meeting took place at the picnic. All trustees were present. John and Bill were authorized to form a bidding team and to begin at \$165K and go up to \$175K. We have offered \$160K. We have put down some earnest money. \$198K was the asking price. The owner has responded to our offer with \$170K. We will make a counter offer of \$165K and hope to have an answer by the end of the week.

We will have about three weeks for inspection and formalities. Closing could be as early as July 31st or early August. We will then begin with refurbishing. Most of the work will be done by a contractor. Everyone is asked to help out somehow.

John asked that the October work party be moved to the condos and that the auction be for those who put in five to six hours of work. Bill thanked John for all of his work. There will be a Board of Trustees meeting called before the signing. Linda Batcha yawned. Bill still welcomes comments and input.

- Carl reported that the July Gem Section will meet at the home of Ginger Peterson. Bring your favorite pieces of

gems and jewelry.

- Carl welcomes all suggestions for award recipients.

- Jay Gorday reported that there is still no mineral section chair. There will be a meeting on July 21st at Richard Graveline's house. The topic will be North Carolina minerals. Jay may not make the meeting. We need to have an election for the new chair. Many people scratched their noses including George Libby and Anita Westlake.

- The Junior Section will go tubing in Helen on July 11th. Afterwards they will go to Unicoi for a bluegrass festival.

- Tom Batcha received a postcard from the American Federation. The meeting will take place in Montana in August. GMS has won five nominations, one nomination for Tips and Trips, one nomination each in the Adult Article category for Tom Batcha, Dave Babulski, & Bill Waggener and one nomination in the junior category for Chris Lee.

Frank Decaminada has asked Betty James to pick up any awards for GMS.

- George Libby will try to set up a field trip in August if someone wishes to lead it. By September we will be back on schedule with trips.

- Olga Jarrett asked if non-members can attend field trips. Bill said that a person must be a member to attend DMC trips because of insurance guidelines and the GMS has the same rules. Shirley Parker brushed off her pants. Non-members will have to join.

- Bill reported that we have received several new mini-grant applications. We received many more after the deadline. We will review all by the postmark date and then evaluate them by the elected officials. It will then be decided what monies to award and to decide whether or not to allocate funds.

Dave, Tom, Anita, and Kim have spoken to groups since the last meeting. Shirley and Lawrence Parker gave a presentation to Clayton Elementary.

- Bill asked if anyone brought stamps. Olin is stepping down as stamp chair. Anita volunteered to take over. Bill thanked Olin for all of his work as stamp chair.

- Bill received an email from Julian Gray. Tellus has been offered a complete bound collection of the Georgia Mineral Newsletter. Tellus has two complete collections already. The new set will go to the GMS library.

- Nancy Marden thanked Kim Cochran and Richard Graveline for refreshments.

- Linda Batcha reported that Jerry Sluder is retiring from the Cobb County Fire Department after 25 years of service.

- Frank Decaminada reported that the quarterly federation meeting was held on the same day as the picnic. Jim Robinson is stepping down as stamp chair. The annual meeting will be held in Jacksonville on September 18th and 19th. Award recipients have not been announced but awards will be given out in September.

- The Friends of Mineralogy will host a symposium at Tellus on August 15th on meteorites. There will be some great lectures.

- Marty Zinn will hold his show at the Holiday Inn on the same weekend. Tellus will have free admission.

Continued Page 6

President's Message

Greetings to all: As of this writing date, we are one step closer to having a home. The seller has accepted our last offer and we are in due diligence investigations. Closing date is scheduled for 31 Jul 09. As you read this message, we may be the proud new owners of meeting space and workshop space. Many years and many fears have passed since this quest began. I hope that everyone will be able to use this space and learn new things as we continue working "To Educate the Youth of the State and the Members of this Society in the Field of Earth Science."

I am continually amazed at the extent of interest in rock hounding. My granddaughter, daughter and I spent a week traveling to Banner, Ontario, Canada for a Dundas(s) Clan reunion. The occasion was the 100th reunion picnic for the descendants William and John Dundas(s), who emigrated from Ireland in the mid 1800's. After moving around a bit, these two Scotch-Irish families settled in Southwest Ontario before spreading over the US and Canada. The grave sites of many Dundas(s) and related families are in Banner, just east of London, ON. I have enjoyed several years of attendance while meeting many relatives and introducing my children to them. Of course I discovered one cousin who lives in Lawrenceville. I have yet to meet her, but look forward to that occasion. Her parents were our gracious hosts in London this year. Doug and Ruth were very welcoming and shared bed, food, children and grandchildren with us during our visit.

What about the rocks? As we visited with children Jude and Nichole and their five rock pups, Doug asked if I had heard about the Arkone Formation. I was not familiar with this formation, so Jude went online and found the information. The site was about 45 minutes away with the Happy Hollow member of the Arkone Shale Formation yielding rugose coral, crinoids, trilobites, and ammonites. Needless to say, before the evening festivities of the next day, Doug and I were off to see what we could see. We met two brothers from Michigan who claimed (and demonstrated) 30 years experience at this site and a Belgian with great stories, destroyed boots and a bag full of corals. We discovered that there was a London Gem and Mineral Society in Doug's city and that U of Michigan had a terrific museum of Detroit Basin fossils. Doug and I collected rugose corals, brachiopods, pyritized ammonite pieces, and a rolled up pyritized trilobite (that Kim will help me ID soon). We were only two hours late for the reception with the Dundas(s) Clan Chief. We were forgiven after a little "show and tell". Rockhounds are truly a widespread, international family. I hope that you have the opportunity to widen your circle of rock hounding friends soon.

Respectfully submitted,
Bill



Jay lacullo gives lost wax presentation at June meeting

Education Report

GMS members continue to spread their knowledge of the earth sciences. Kim Cochran talked to Cotton Indian GMS about Gemstones of the Bible. He spoke to Western Carolina GMS – Greenville on Gem ID. He also spoke to Florida Panhandle GMS – Pensacola about Gold. Anita spoke to William Holland. Shirley and Lawrence Parker continue to educate the students at Clayton Elementary School in Cherokee County. Tom Batcha spoke to Middle Georgia GMS. Dave and Karen Babulski spoke to a group in Macon, GA

Mickey McClain, Christina Lewis and Roxanne Lopez can use support in their classrooms. Please ask them what would be most helpful. As you collect, please include a bucket for classroom specimen donations as well as grab bag specimens. Every PLR donated is one that we don't have to buy for classes or grab bags.

The Holly Camp Memorial Earth Science Education Minigrant 2009/2010 applications are being evaluated. We have received 19 applications. We will support as many of these as we can. This problem we should have always! Please encourage all Earth Science, Earth Systems and elementary teachers that you know to apply for the \$300 Minigrants.

Please let me know who is sharing their rock and fossil knowledge. Everyone has some unique tidbits that students love to share. It is encouraging to others to see that we are welcomed and well-received by clubs and teachers over the state.

Respectfully submitted,
Bill Waggner, Education Chair

August 2009

Gem Section

August meeting:

Monday August 31st, 7:30 meeting



Those accursed gem stones!

Stories of curses being placed on gem stones have almost certainly been around since before recorded history. We will discuss some of the more famous stories passed down over the years.

Join us for the spookiest gem section of the year. Scully and Mulder will be signing autographs after the meeting.

We will be meeting at:
The home of Pam Martin
1535 Duluth Highway, #1102
Lawrenceville, GA 30043

Please phone 678-225-5656 to RSVP.

We're looking for hosts for the remainder of this year's gem section meetings. Please see the list below and let me know if you're interested:

- September 28th
- October 26th
- November 30th

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

Carl Ziglin,
Unanimously re-elected Gem Section Chair
gems@gaminal.org



Micromount Section

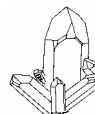
There are no micromount section meetings scheduled this summer. Stay tuned for more information in the fall.

David Babulski
Micromount Chair

Mineral Section

The July Meeting was hosted by Richard Graveline and the topic was Minerals of North Carolina.

As was mentioned last month, the section is looking for a new chair person. As of the time of this writing the position remains vacant. If you are interested in the position please contact Bill Waggener.



Fossil Section News

DATE: August 17, 2009
TIME: 7:30 PM
LOCATION: LeRoy & Martha Brown's Home
4837Greenway Road, Norcross GA 30071
PHONE: 770/448-0876 For directions & RSVP

MOLLUSKS VS. BRACHIOPODS The Battle of the Two Valves

August's meeting will be on the similarity and the differences between these two animals. We will talk about how to tell the difference. What is a mollusk? If you have any specimens to discuss, please bring them.

Thanks to Richard Graveline, Bill Waggener, Susan Filak, Richard Graveline, Carl Ziglin, Ginny Loman and Gail Leadingham for attending. We had a good meeting on plant evolution. Gail's portion was outstanding.

Gail also discovered that oxalic acid was not available locally. We found out you can find it on the internet.

The Fossil Section decided to re-elect Martha S. Brown chairman due to lack of interest.

Thank You,
Martha S. Brown



Junior Section

No meeting in August. If anyone wants to plan and suggest future activities, please call Roxanne at 678-491-0489.

Roxanne Lopez
Junior Chair

August Birthdays

- 8/01 Jean Bailey
- 8/01 Crystal Daniels
- 8/01 Carolyn Jolly
- 8/01 James Raby
- 8/01 Wesley Simms
- 8/02 Shelda Aultman
- 8/03 Jesse Clark
- 8/03 Will Horton
- 8/04 Roynan Krebs
- 8/04 David Lann
- 8/04 Casey Sosebee
- 8/07 Gaye Baxter
- 8/07 Lola Halpin
- 8/07 Billy Zeyher
- 8/09 Graham Kennedy
- 8/09 Peyton Waggener
- 8/10 Aimee Hebert
- 8/11 Amy Rothschild
- 8/11 Susan Tillander
- 8/11 Thomas Tillander
- 8/11 Cindy Trentini
- 8/12 Jane Freeman
- 8/13 John Idell
- 8/15 Andrew Clark
- 8/17 George Libby
- 8/17 Chris Nehrling

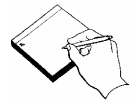


- 8/19 Chris Lee
- 8/19 Barbara Remmers
- 8/19 Jennifer Sakhleh
- 8/20 Sherion Stewart
- 8/22 Devin Malone
- 8/23 Osman Bholat
- 8/23 Sue Gorday
- 8/23 Morgan Lunsford
- 8/24 Kevin McDade
- 8/25 Josh Hyaduck
- 8/25 Tiernan Vandyke
- 8/25 Peggy Weathers
- 8/25 Braxton Wimbish
- 8/26 Jeff Cecil
- 8/27 Carolyn Buckels
- 8/29 Phyllis Love
- 8/31 Jay Sword

July Meeting Minutes (continued)

- Olin announced that during the upcoming Franklin show that there will be a Franklin Faceter's Frolic on July 25th just north of the Civic Center at the Fun Center. There will be demos and dealers selling rough material and machines. A stone will be faceted in 20 minutes.
- Frank mentioned that the Mayo Educational Fund has received many donations recently from individuals and clubs in memory of Jeannette Banks.
- Lizabeth asked for a volunteer to pick up mail from our post office box. Jay will not be able to continue due to his move to South Carolina. Anita volunteered. Lizabeth recommended that we move our P.O. Box to Roswell. Bill said that we will discuss the move.
- Margaret Ronan gave out door prizes.
- Shirley and Lawrence will celebrate their 19th wedding anniversary tomorrow.
- Jay Gorday made a motion to adjourn, Mickey McClain seconded, the motion carried and the meeting adjourned at 9:10PM.

Respectfully Submitted,
Kim B Cochran, Recording Secretary



Sunshine

Lawrence and Shirley Parker celebrated their nineteenth wedding anniversary on July 7, 2009.

Please continue to remember Dot Durdin, Kim Cochran spoke with her and she is feeling better but still needs our prayers.

Congratulations to FF Gerald Sluder who retired from the Cobb County Fire & Emergency Services on July 11, 2009, after 25 years of dedicated and loyal service. A reception was held Saturday July 11, 2009 at Station 13 in Powder Springs.

Tom and I received a letter from Olin Banks expressing his appreciation during Jeanette's illness that he wanted to share with all GMS club members. "I can't begin to find the words to express my appreciation for your love and concern during our loss of Jeanette. Jeanette loved you, and I cherish your friendship. I know that she would have been so pleased if she could have seen the love shown by so many. Thank you. Thank you for all the emails, the phone calls, the gifts, the visits, the flowers, the donations to the Mayo Educational Foundation. And most of all, Thank you for your love and concern." Olin Banks

As always, please continue to let me know if there is anything, you would like to mention in the Sunshine section.



Linda Batcha, Sunshine Chair

August Anniversaries

- 8/11 Diana and Brian Lunsford
- 8/24 Mary and Dylan Porter
- 8/31 Lizabeth and Mickey McClain

Membership

We have some new members to announce to the club. Please welcome the following: Jeff, Robin, Amy, and Kelly Crawford of Columbus, GA; Sandi Hill and William Dawson of Smyrna, GA; Dabney and Tom Dixon of Atlanta, GA; Alice, Sara, and Samantha Funk of Lawrenceville, GA; Victor, Pam, Russell, Jessica, and Graham Kennedy of Lawrenceville, GA; and Scott, Lynda, Connor, and Caroline Poole of Fayetteville, GA. We're glad to have them join us.

Please let me know if you have any changes to your information, **especially e-mail address changes**. You may e-mail me at mgm5258@netzero.net or call me at 770-439-5756.

Happy rockhounding!

Lizabeth McClain
Executive Vice President



The Georgia Mineral Heritage Project

Lithonia Gneiss and Arabia Mountain Migmatite

By David Babulski

A major road building project in DeKalb County is blasting into an outcrop of Lithonia Gneiss and Arabia Mountain Migmatite. The site is just south of Rock Chapel on the Centerville Highway. To pin point the site, it is on Highway 124 (Centerville Highway) 10.2 miles south of the intersection of highway 78 and highway 124 in Snellville. Traveling south on the Centerville Highway, the construction site is on the right hand side of the road. Please note: **This is a working construction site, collecting during working hours is not permitted.** It is estimated that by winter of this year, this site will be extinct. The outcrop is about 3 miles north of Arabia Mountain and about 5 miles south-east of Stone Mountain. About ½ mile to the West of the site is three old quarries that were mining the Lithonia Gneiss for crushed rock and dimension stone. Shown in figure 1 below, is a photograph of the site from Centerville Highway.



Figure -1
Most of the rock you see in the picture is light to medium gray evenly banded Lithonia Gneiss.

Shown below in figure - 2 is a photograph of a typical block of Lithonia Gneiss.



Figure - 2

Lithonia Gneiss is described in Geology of the Greater Atlanta Region, Bulletin 96, page 88, as "Light to medium gray evenly banded biotite-quartz-feldspar gneiss."

The south edge of the site appears to be a boundary between the Lithonia Gneiss and the Arabia Mountain Migmatite. The migmatite rocks at this site represent less than ten percent of the exposed rocks.

At this point a discussion about Migmatite is in order. The word "migmatite" is from the Greek meaning *mixture*. Wikipedia gives the following information: "Migmatites form under extreme temperature conditions during prograde metamorphism, where partial melting occurs in pre-existing rocks. Migmatites often appear as tightly, incoherently folded (ptygmatic folds) [dikelets](#), veins and segregations of light colored [granitic](#) composition called *leucosome*, within dark colored [amphibole](#) and [biotite](#) rich material called the melanosome. The light colored material has the appearance of having been *mobilized* or molten." The Norton College Geology web site defines migmatite as, "A rock formed when gneiss is heated high enough so that it begins to partially melt, creating layers, or lenses, of new igneous rock that mix with layers of the relict gneiss." Another definition of migmatite from the Idaho Museum of Natural History states, "Migmatite is a mixture of igneous and metamorphic rocks in which thin dikes and stringers of granitic material interfinger with metamorphic rocks."

Shown in figure – 3 below is a photograph of a large block of Migmatite. In the photograph you can see the melanoasome and leucosome material as well as several granitic xenoliths.



Figure - 3

The Arabia Mountain Migmatite is described in *Geology of the Greater Atlanta Region, Bulletin 96*, page 88, as Muscovite – biotite- plagioclase- microcline – quartz gneiss.

Shown in figure - 4 below is another photograph of Arabia Mountain migmatite.



Figure - 4

In the photograph of the block of migmatite in figure - 4, a large xenolith of orthoclase – quartz – muscovite – biotite is in the center of a lens of biotite rich material at the center of the block. This xenolith is very coarse grained, almost like pegmatite in texture. Several of the orthoclase crystals measured 5 X 3 mm in size. Samples of this xenolith were examined with the microscope and found to contain thin glistening bubbly films of hyalite opal on fracture seams. When strongly illuminated some of the hyalite opal shows a weak display of color. Under short wave ultra-violet light the hyalite opal fluoresces a bright green. This is most likely due to trace amounts of uranium salts. The orthoclase feldspar fluoresces a dull cherry red under short wave UV. The bright green against the cherry red is a beautiful sight. It is interesting that the hyalite opal does not appear elsewhere in the migmatite rock and also does not appear to be present in the Lithonia gneiss. It is interesting to speculate on whether the hyalite opal was deposited before or after the xenoliths were incorporated into the migmatite.

One of the samples from this pegmatite-like xenolith was found to contain tiny green felted pellets of uranophane associated with a region of coarse biotite mineralization. The amount of this mineral is very small and like the hyalite opal seems to be restricted to the coarse grained orthoclase-quartz-muscovite-biotite xenoliths contained in the migmatite rocks. Under short wave ultra violet light, the uranophane fluoresces a slightly darker shade of green than the hyalite opal. Robert Cook, writing in the "Minerals of Georgia" Page 135, reports uranophane associated with hyalite opal on joint plane in quarries near Stone Mountain.

Figure 5 shown below is a photomicrograph at 30X showing the tiny green spherical pellets of uranophane. You have to look carefully toward the bottom of the photograph as they are really tiny.

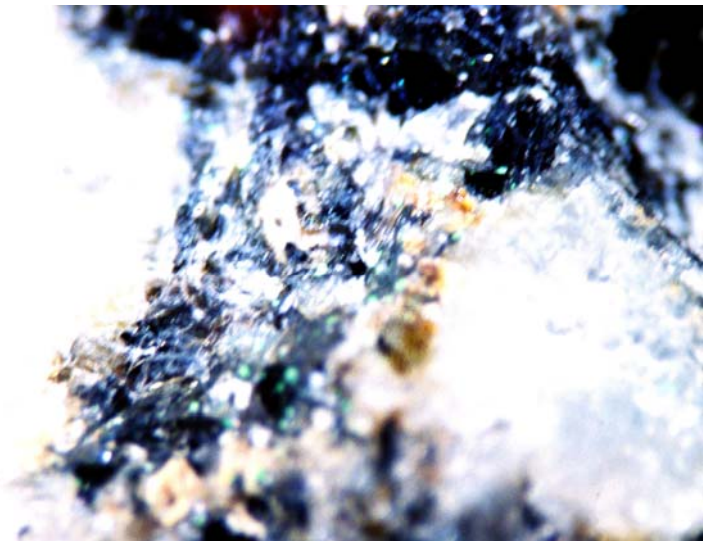


Figure 5 – Tiny green spherical pellets of uranophane.

Figure 6 shown below is a photomicrograph at 30X of fluorescent hyalite opal under short wave ultra violet light.

As with the other orthoclase xenoliths in the migmatite rocks, this specimen also contained thin films of hyalite opal on fracture planes.

I have samples of these rocks that will be cataloged and supplied along with a copy of this article to be placed in the GMS collection. It is the hope that this information will help future generations understand what was here long after the site is extinct.

If you know of constructions sites that have exposed rock units, please let me know. Perhaps the site can be visited, photographed and sampled to add to the Georgia Mineral Heritage collection. You can reach me at: d.babulski@comcast.net

References:

Cook, Robert B, Minerals of Georgia – Bulletin 92, Geologic and Water Resources Division, 1978

McConnell, Keith I. and Abrams, Charlotte E., Geology of the Greater Atlanta Region – Bulletin 96. Georgia Geological Survey, 1984

<http://alphatrack.ca/main/UMC.html>

Dana, Edward S., Ford, William E., A Textbook of Mineralogy, John Wiley and sons, 1966

Chesterman, Charles W. and Lowe, Kurr E., National Audubon Society Field Guide to North American Rocks and Minerals, National Audubon Society, 1995

Wikipedia - Migmatite

<http://www.wwnorton.com/college/geo/earth2/glossary/m.htm#63>

<http://imnh.isu.edu/digitalatlas/glossary/letter.asp?letter=M>



Fernbank Museum of Natural History

76 Clifton Rd. NE Atlanta, GA
(404)929-6300

<http://www.fernbank.edu/museum/>

On Exhibit:

Dinosaurs: Ancient Fossils, New Discoveries
February 14 through August 16, 2009
Gold
Opens September 26, 2009

Now Showing in IMAX:

Dinosaurs Alive! through August 16, 2009
Under the Sea through August 16, 2009



Figure 6 – Hyalite opal fluorescing under short wave ultra violet light.

Shown in Figure - 7 below is another example of a orthoclase – quartz – muscovite – biotite - xenolith contained in a migmatite block.



Figure - 7

The Georgia Mineral Society

August 2009

The Southeast Federation of Mineralogical Societies, Inc
The Friendly Federation - Founded in 1976 to serve.

DMC Program of the SFMS Field Trip Committee
An Official Field Trip of The Southern Appalachian Mineral Society (HOST)
An Official Field Trip of the GEORGIA MINERAL SOCIETY

9:00 AM, Saturday, August 08, 2009

**Thermal City Gold Mine
Union Mills, North Carolina**

FEE AREA

The Southern Appalachian Mineral Society would like to extend an invitation to fellow DMC clubs to join us in panning for gold at a genuine placer mining site in Rutherford County, NC. Thermal City Gold Mine consists of a one mile section of the Second Broad River and about 80 acres of Placer Gravel Deposits, having one of the seven veins from the mountain supplying it. Panning material is brought from the river by backhoe for you to pan. The gravel is not "enhanced or enriched". The gold found here is in it's natural state- right where nature deposited it. Gold is found as flakes and maybe small nuggets. Ample shade, parking, and instruction in panning are always available when needed.

FEE AREA Fee \$5 to pan all day, \$40 for front-end load
Children : Welcome with Adult Supervision

Pets: Pets allowed on leash

COLLECTING: Gold

BRING: Shovels and pans are furnished or you can bring your own. Other equipment is for rent/purchase.

For additional information on the site, including details about a 'front-end load' or overnight stay, contact the mine at: phone: 828-286-3016, Website: <http://www.thermalcitygoldmine.com/>

HISTORY: This is an unsalted site and many people have had success finding gold here. The mine's aim is to provide an authentic experience. This mine is located on the actual site of the earliest placers of Rutherford County. It opened in 1830 and has produced gold ever since then.

SPECIAL CONDITIONS: Camping facilities with full hook-ups to primitive are available on a first come basis. Call 828-286-3016 for rates. No drugs, alcohol, or firearms are allowed. The grounds are almost level and a short distance from panning to camping and restrooms.

DIRECTIONS AND WHERE TO MEET: We will meet at the site. From Asheville take I-40 east to exit #85 (Marion/Rutherfordton); proceed south on US-221 for about 8 1/2 miles to the Rutherford County line; the entrance to the mine is on the left (look for signs along the way). Travel time should be about one hour from Asheville.

CONTACT: Tim Barton at 828 885-8248

"Field trips are open to all members of associated clubs of the DMC program of the SFMS Field Trip Committee and to all members of SFMS member clubs who have provided their membership with SFMS liability insurance. Because of insurance requirements, members of the GENERAL PUBLIC are NOT invited on this or any DMC program field trips!"

**Georgia Mineral Society
June General Meeting**

The June 20th meeting of the Georgia Mineral Society was held in conjunction with the picnic and auction at Jones Bridge Park. The meeting was called to order at 1:41PM by Bill Waggener, President.

Bill reported on the funeral in Carrollton for Jeannette Banks. He also thanked everyone for leaving food for him after the picnic was finished.

Bill asked if there was any pressing business. John Trimble reported that we have money. Lizabeth McClain reported that we have members. Kim had minutes. Nancy Marden wiped her lips. Martha Brown made a motion to dispense with the minutes. Jay Gorday seconded and the motion carried. Frank Decaminada and Jim Flora are representing GMS at the meeting of the Southeast Federation. The annual meeting has been moved to January.

Bill turned the meeting over to Kim Cochran. Kim reported that the slate of officers consisted of:

Bill Waggener, President

Lizabeth McClain, Executive Vice President

Carl Ziglin, Vice President

Richard Graveline, Treasurer

Kim Cochran, Secretary

Eva Ostrofsky, Trustee

Kim withdrew his name from the slate. He asked if there were any nominations from the floor. Kim nominated Mary Porter as Secretary. There were no other nominations. Martha Brown made a motion to accept the amended slate. There was a second by John Trimble. The slate was accepted unanimously. Lori Carter played with her camera strap.

Lizabeth asked that anyone wishing to join or renew their membership to see her after the meeting.

The new officers were congratulated.

Bill announced that there would be a Board of Trustees meeting during the auction break.

There was no other business.

Martha made a motion to adjourn; it was seconded by Sarah Gorday, the motion carried and the meeting adjourned at 1:48PM.

Respectfully Submitted,
Kim B Cochran, Recording Secretary



August 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3 General Meeting	4	5	6	7 Dalton Show Aug 7-9	8 DMC Field Trip
9	10	11	12	13	14 Marty Zinn Show Aug 14-16	15 Friends of Mineralogy at Tellus
16	17 Fossil Section	18	19	20	21	22
23	24	25	26	27	28	29
30	31 Gem Section					

EVENTS

Southeastern Gem and Rock Shows

August 7-9--DALTON, GEORGIA: 18th annual show; Treasures of the Earth Gem & Jewelry Shows; NW Georgia Trade & Convention Center, 2211 Dug Gap Battle Rd., I-75 Exit 333; Fri. 2-7, Sat. 10-6, Sun. 11-5; adults \$3 (good all 3 days), children under 16 free; jewelry makers, goldsmiths, silversmiths, gem trees, wire wrap, wire sculpture, pearls, stone beads, stone setting, dealers, amber, opal, minerals, fossils, door prizes, classes; contact Van Wimmer, Show Director, 5273 Bradshaw Rd., Salem, VA 24153, (540) 384-6047; e-mail: van@toteshows.com; Web site: www.toteshows.com

August 14-16--CARTERSVILLE, GEORGIA: Show, "Southeast Gem, Mineral & Fossil Show"; Martin Zinn Expositions; 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) 867-0073; e-mail: mz0955@aol.com; Web site: www.mzexpos.com

August 21-23--PASS CHRISTIAN, MISSISSIPPI: 33rd annual show; Harrison County Gem & Mineral Society; West Harrison Civic Center, Espy Ave.; contact Margaret Johnston, (228) 467-1457; e-mail: mmjms@bellsouth.net

Friends of Mineralogy Symposium

August 15--TELLUS MUSEUM, CARTERSVILLE, GA: Conducted in conjunction with the Marty Zinn Show. This year's topic—meteorites. See Anita Westlake for details.

Georgia State Park Events

Geology Hike Saturday, Aug 1, 2009 10 AM to 12 PM

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. \$1-\$2 plus \$5 parking. 770-732-5876.

THE GEORGIA MINERAL SOCIETY, INC.
P.O. Box 15011
Atlanta, Georgia 30333-5011
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.
P.O. BOX 15011
ATLANTA, GEORGIA 30333 - 5011

ADDRESS CORRECTION REQUESTED
PLEASE FORWARD

FIRST CLASS

