

Tips *and* Trips



The Georgia Mineral Society

Atlanta, Georgia

Volume XXXVII/Nine September 2008

THE INFLUENCE OF GEOLOGY ON THE ATLANTA CAMPAIGN OF THE AMERICAN CIVIL WAR



Speaker: Dr. Stephen W. Henderson

General Meeting
7:30 PM Monday, September 15, 2008
Chamblee Library
4115 Clairmont Road
Atlanta, GA 30341
770.936.1380

*Please note: our September meeting is on the 15th, not the 1st
(which is Labor Day)*

The integration of geology and Civil War history is an exciting way for geologists to present aspects of their discipline to the public, as illustrated by the Atlanta campaign.

From the fall of 1863, when the Federal army broke out of Chattanooga, through the summer of 1864, the campaign through north Georgia was strongly influenced by the geologic structure of the Appalachian Mountains and encompassed all of the geologic provinces. It began in the Cumberland Plateau, continued through the Valley and Ridge, Blue Ridge, and terminated in the Piedmont at Atlanta. The nature of the Appalachians, combined with aspects of differential weathering and erosion produced the ridges and valleys that were so important for defensive positions and movement of armies.

Come hear Dr. Henderson, Associate Professor of Geology at Oxford College of Emory University, tell the tales of triumph and woe in what Julian Gray likes to call "*The War of Northern Aggression*".

Anita Westlake, Program Chair





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	Kim Prakash & Nancy Marden	770.879.0476 770.447.8542
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Sunshine	Barbara Libby	770.978.2117
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SFMS Rep.	Anita Westlake	404.761.7849

The article submittal due date for the October 2008 newsletter is September 14, 2008.

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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Dealer Dinner		
Database	Mary Porter	770.998.1018
Auction	Kim Cochran	770.979.8331
Set Up/Take Down	Jay Gorday	770.986.0822

September 2008

The Georgia Mineral Society

**GMS General Meeting
August 4th, 2008
Chamblee Library**

Meeting called to order at 7:35 by President Bill Waggener. There were 40 people in attendance. Visitors and new members were recognized. Kim Cochran introduced Anita Westlake as our speaker, her lecture was about amber. Anita has a wonderful collection of real amber as well as some fakes to make us aware and alert during our purchases. We went around the world learning where amber can be found; from the Baltic area to the Dominican Republic, from Alaska to North Carolina with points in between. It was interesting to hear the different folklore about the mystical properties of amber as well as the practical side for us down to earth skeptics. Thank you Anita, it was a colorful presentation.

Committee Reports

Programs – Anita – Next month we will have a lecture about the effects of Geology on the Civil War by someone from Oxford at Emory.

Secretary – Margaret – Motion was made and seconded to not read the minutes from the last meeting, so they were not read. The June picnic minutes will hopefully be published in next month's Tips and Trips. There were some corrections to be made in the treasury report from last month. I will take care of the corrections.

Treasurer – John gave us a report on the club financial statement. We now have a Business Money Market account and a Checking account with Wachovia and two CD accounts with SunTrust.

Mineral – Jay – We had a good meeting at Richard's on optical properties and the next meeting will be at Kim's on September 16th concerning Corundum. RSVP.

General Meeting – Next GMS Meeting will be September 15th.

Gem – Carl – Next meeting will be at Gracie's on August 25 concerning Peridot.

Fossil – Martha – On August 18th we will meet at Martha's to discuss trilobites. If anyone is interested in the position of Fossil Chair please let her know.

Juniors – Roxanne – They had a wonderful time tubing in Helen. There will be an upcoming event in September.

Micromount - No meetings are scheduled. John Trimble has alight that he will loan is someone wants to use the club microscope but people need to learn how to use it. He sent around a sign-up sheet if anyone is interested in learning how to use it.

Tips and Trips – Tom wants to thank everyone for their submission of articles.

Sunshine – Barbara had a heart attack and is under medical care.

Field Trips – George is busy with Barbara. There is a trip to Clio this Saturday and at the meeting Kim volunteered to lead the trip but I found out that the McClains will lead it. The site is easy to collect on with a fee of \$0.25/lb. Petrified wood and druzy quartz.

May Show – Kim – Show positions have been filled, more to report in about 6 months.

Webmaster – All is well with the site.

Education – We have four applications for mini grants, and we have some extra money for a late applicant if we approve. Frank made a motion to accept the late application if it meets our criteria. Discussion ensued about it being late and what the criteria is for the applications. A motion was made to accept this late application for this year only. The motion was seconded and approved since we do have the money available.

This Saturday is Georgia Mineral Day at Gwinnett Environmental and Heritage Center near Buford. Specimen Kits will be made by 8-10 year olds yo take to school. There will be about 12-15 students and should take about 2 hours to work on them. Stone Mountain is having Rock and Mineral Day on Labor Day from noon – 4:00 pm. Set-up is at 9:00am and about 500-600 people will pass through.

Building - John – nothing new.

Curator – We have a lot of neat stuff in the gem box.

Historian – Roxanne – Set up appointments to save and place in safe keeping.

Library – Julian – He needs a new place to store the collection.

Tellus will open soon and it will be worth the wait. New show August 15,16, and 17 to be announced in Tips and Trips. Friends of Mineralogy will have a talk on gem stones August 16 from 9:00 to 11:00.

Refreshments – Thank you Jay and sue. They also have a card to sign for Barbara.

Banquet – Kim – It will be October 6 at Collonnade at 7:00.

SFMS – Anita – Meeting was July 26 in Dillard. They had an application for Georgia Veterans Gem and Mineral society and it was accepted. Next meeting is Sept 15 in Nashville. Information on classes is available for October and September.

Old Business

Executive Board Meeting is this Sunday and all members are invited, RSVP Eva.

Stamps to be donated should be left on paper.

New Business

Mayo Education Foundation – Bill reports that we are awarding four scholarships, one to a graduate student and another to an undergraduate student from University of Tennessee in Knoxville. The other two are awarded to two undergraduate students in Middle Tennessee State University. These scholarships are awarded to students who are recommended by a Southeast Federation Club and the students must be juniors, seniors, or graduates. The schools must be located in the Southeast area. Tellus has plaques for Mayo Scholars and it needs to be updated. GMS contributes money to the Mayo Foundation every year.

There are no more announcements at this time.

Door prizes were awarded starting with visitors and new members.

Meeting was adjourned at 9:30pm.

Graciously Submitted,
Margaret Ronan

President's Message

MEMBERSHIP

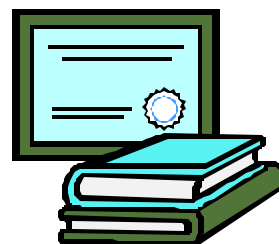
Summer is quickly coming to a close. School has begun in all of the state's districts. Teachers are welcoming students new and old to a new school year. A few will have Minigrant money to supplement their classroom budgets. As announced last month, four teachers applied for and are awarded Minigrant funds. GMS budgeted money for more Minigrants that have not been sought. Upon request of a teacher and with the approval of the GMS Executive Board, the Holly Camp Earth Science Education Minigrant 2008/2009 program will accept additional applications for a limited time. Please share this news with your favorite earth science or elementary school teacher. We really prefer that the available money will be used in the classroom.

The following are new to membership in Georgia Mineral Society: Robert Doster of Covington, GA; Ed Faust and Nikki Idell and their kids Matthew Faust and John Idell of Columbus, GA; Phil, Kevin, Natalie, and Daniel McDade of Lakeland, FL; Paul Roth of Waldo, FL; and Damon, Jennifer, Persephone, and Nicholas Woodson of Macon, GA. Please make them feel welcome when you meet them!

Everyone is doing a good job getting those renewals in on a timely basis; but, even better, folks are remembering to let me know any e-mail or address changes. Let's keep it up! You may email me at mgm5258@netzero.net or call me at 770-439-5756.

How was that last collecting trip? Did you find and collect the beautiful specimens that you expected? Did you satisfy your current collecting needs? Extra, high-graded materials are always welcome for grab bag fillers. Last show GMS sold over 780 grab bags. The number of bags available was limited by the supply of donated materials. A little known fact is that our grab bags cost GMS more than we receive for the sales. This expense is recognized as part of our stated objective and purpose: "To Educate the Youth of the State and the Members of the Society in the Field of Earth Science". Of course, if we can reduce the expense of the bags through donations of materials, there will more funds available for other education activities. I do thank everyone who has contributed and will continue to contribute the fruits of their collecting labors. Maybe on your next trip, you might collect a bucketful for the grab bags and add to our education efforts?

Happy rockhounding!
Lizabeth McClain
Executive Vice President



Report For The Mayo Educational Foundation 2008

A renewed effort is beginning in the search for a GMS home. I have heard many opinions on what we need, what we want, what we can afford, and where it should be located. Many members have been involved in the past with this search. Their efforts were sincere and extensive. Unfortunately a consensus has never been reached. I now invite every member to submit their own ideas and suggestions **in writing** to John Tremble or myself. Notes, letters, emails, or more is appropriate to allow the creation of a hard-line design to be acted upon by the Building Committee. Who knows what opportunity this state of the economy may reveal to us at this time?

We are pleased to report that this year the Mayo Educational Foundation has awarded a total of \$10,000.00 to four college students in an earth science field.

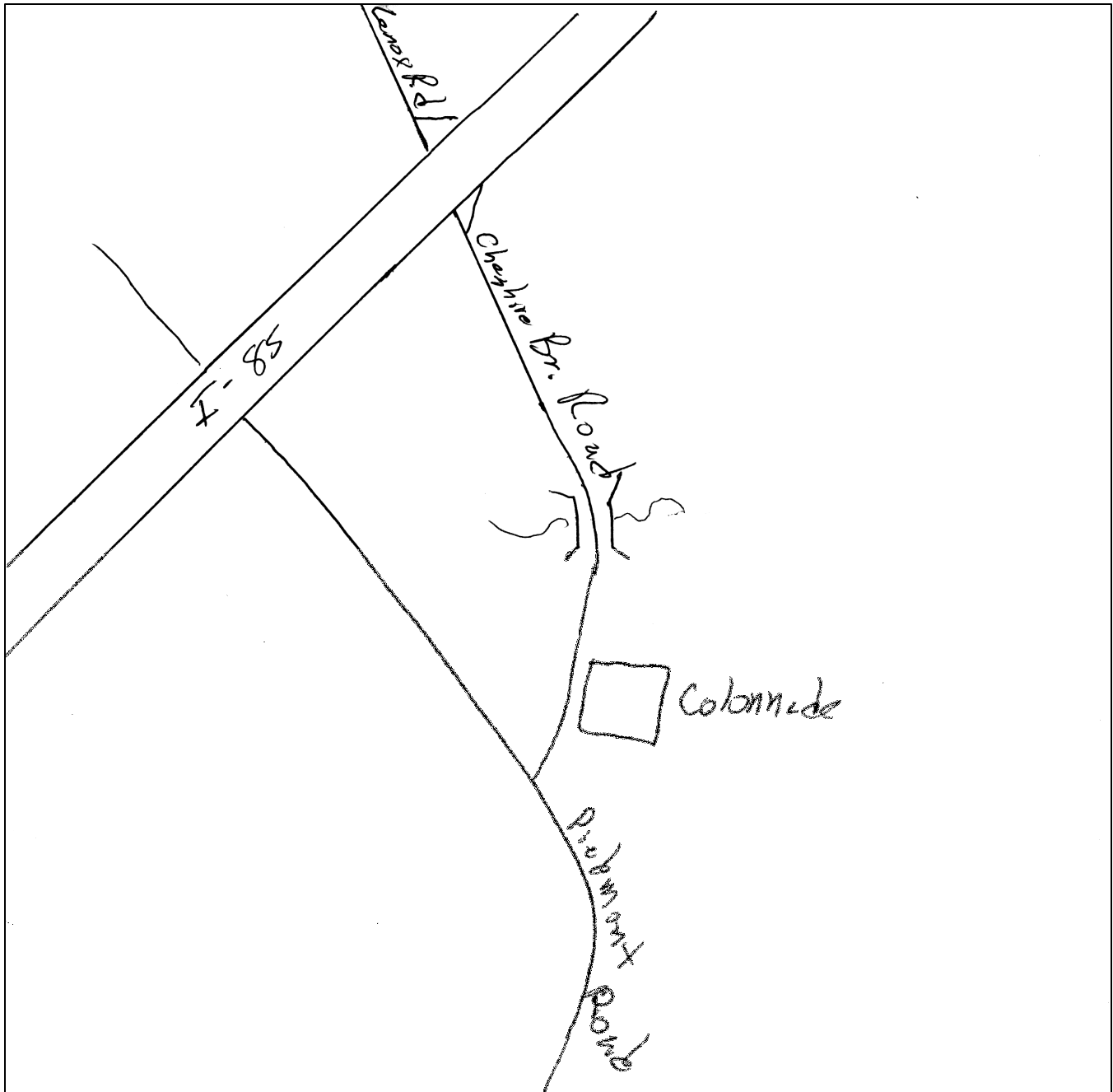
- The recipients are:
1. Steven J. Jaret, attending the University of Tennessee – Knoxville
 2. Andrew W. Beck, attending the University of Tennessee – Knoxville
 3. Jennifer Pickering, attending Middle Tennessee State University
 4. Anna Rose Tegarden, attending Middle Tennessee State University

Please enjoy the ongoing field trip and education opportunities. I hope to see you in the field soon.

Respectfully submitted,
Bill Waggener, President



Respectfully Submitted,
Jeanette Banks
MEFI Director



GMS Dinner Meeting

Monday October 6, 2008 at 7:00 pm
 Colonnade Restaurant
 1879 Cheshire Bridge Rd, Atlanta 30324
 Cost = \$20.00/person

RSVP 770-979-8331
 Kim Cochran

We will again have our annual dinner meeting at the Colonnade. At this meeting we will swear in the new officers and hand out awards for this fiscal year. Please contact me to make reservations. I need to know by Friday September 26th if you are planning to attend. You may pay me ahead or at the door. If you make reservations and do not attend you will owe that money to GMS as we will be charged. Please plan to join us.



The picture is of Luke, Keith, Bill, his granddaughter, Alex and Roxanne

Junior Field Trip to Helen, GA.

It was a beautiful day. The sky was clear and the weather was warm when we started out. The water level was low, so we made the short run (that took 2 hours). Even though our goal was to learn about the rocks and erosion, fun overtook us. It is amazing what you can learn floating down a lazy river.

Roxanne Lopez

Junior Field Trip

September 20

MARSQUEST: EXPLORING THE RED PLANET

September 20, 2008

Saturday 3:00 p.m.

Fernbank Science Center

156 Heaton Park Drive N.E.

Atlanta, GA 30307

678-874-7100

We have had a cultural and scientific fascination with Mars for centuries. In this three-act presentation, the Fernbank chronicles the history of Mars, observe the planet in the night sky and with robotic explorers, and guess at the future – perhaps humans living on Mars. Narrated by Patrick Stewart. This program is for all ages. We have to remember that other planets can help us understand our own. **ADMISSION FOR PLANETARIUM PROGRAMS***

Adults \$4.00 Students \$3.00

Seniors \$3.00. Please call me if you plan to attend.

Roxanne Lopez
678-491-0489

Sunshine News

Everyone please continue to keep Barbara Libby in your prayers. She is back home recovering after having a very close call with the heart attack back in July.

September Birthdays

- 9/03 Matthew Floyd
- 9/03 Jacob Hottenstein
- 9/05 Doug Daniels
- 9/05 Haakon Jones
- 9/05 Marion Williams
- 9/06 Jeanette Banks
- 9/06 Shashi Goel
- 9/07 Ellia Yamamoto
- 9/08 Shirley Borders
- 9/08 Brittany Daniels
- 9/09 Karen Floyd
- 9/10 Marie Aldridge
- 9/11 Rebecca Myers
- 9/12 Philip Blair
- 9/12 Stephen Horowitz
- 9/15 Kate Hammill
- 9/18 Linda Batcha
- 9/18 Stephanie Mason
- 9/19 Dennis Buchanan
- 9/21 Frances Fleck
- 9/21 Michelle Hottenstein
- 9/21 Jasmine Miller
- 9/23 Dave Babulski
- 9/23 Wayne Dodd
- 9/26 Shelby Barwood
- 9/26 Julie Fincher
- 9/27 Jessica Hyaduck
- 9/27 Scott Wilhoite
- 9/28 Brett Johnson
- 9/28 Eric Sennavoine
- 9/29 Johnny Ordway
- 9/30 Pamela McMurray
- 9/30 Nancy Moorman



Micromount Section

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

David Babulski

Gem Section

September meeting:

Monday September 29, 7:30

What are the birth stones for September? We'll discuss this and show off our specimens at:

The home of Anita Westlake
1253 Spencer Drive
East Point, GA 30344

Please phone 404.761.7849 to RSVP.

Answer to last month's Gem Section Trivia:

What is green corundum called? Sapphire. If corundum is red it's called ruby. Any other color is a sapphire.

Gem Section Trivia:

What is the top flat part of a faceted stone called?

Thanks to Gracia Evins for hosting the August meeting!!

We need some ideas for future programs. Please let me know what you would like to see.



Carl Ziglin,
Gem Section Chair
gems@gaminal.org

GMS Workday

Please keep Saturday, October 11th available on your calendar. We will be having a workday at my house. At this time I do not know what we will be doing. That will be figured out by October. For those who participate we will hold a 100 lot auction afterwards.

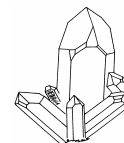
Kim



Mineral Section

Once again, I would like to thank Richard Graveline for hosting the July Mineral Section Meeting. We had a good crowd show up for the meeting. The topic for the evening was Optical Properties of Minerals. If you missed the meeting, you missed a lot of good information and interesting minerals. Once again, thanks Richard for being our host.

Our next meeting will be on September 16th at Kim Cochran's House. The meeting will be at 7:30 PM and the topic for the meeting will be *Corundum – Ruby and Sapphires*. RSVP to Kim for information on supper and directions if needed. His phone is 770-979-8331. I look forward to seeing everyone at the meeting. If you have any ruby and sapphire specimens, bring them to show off.



Jay Gorday
GMS Mineral Section Chair



Fossil Section News

As the end of the year comes, I would like to thank Kim Cochran, Anita Westlake and Carl Ziglin for taking their time and giving programs at the Fossil Section. We studied great specimens and learned new things. Thank you also to the members who took the time to join us.

We will not have a meeting in September.
The next meeting will be October 20, 2008.

Thank you.

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



Rock and Mineral Day

Education Report Reminder:
The Rock & Mineral Day at Stone Mountain is scheduled for 12:00 to 4:00 PM on Labor Day, Monday, 01 Sep 2008. Please plan on helping us show our best face on Labor Day at Stone Mountain Park.

Contact Bill Waggener, Education Chair, for details.



THE MICROMOUNT CORNER

STILBITE

Dr. Dave Babulski

The mineral Stilbite is a commonly occurring zeolite. Although it is a relatively common mineral, micromounts of Stilbite can some very pretty specimens and are well worth adding to your collection. Chemically, Stilbite is a calcium, sodium, aluminum silicate hydrate with the chemical formula $\text{Ca}(\text{Na})\text{Al}_2\text{Si}_7\text{O}_{18} \cdot 7\text{H}_2\text{O}$. In most cases there is some substitution of sodium for calcium in the crystal structure. In modern terminology there are two distinct mineral species, Stilbite-Ca and Stilbite-Na depending on which cation is dominant. The mineral name derives From the Greek stilbe - "luster" in allusion to the pearly to vitreous luster particularly on cleavage surfaces. In terms of crystal habit, Stibite crystallizes in the Monoclinic system with pronounced $2/m$ symmetry. Within this constraint Stibite can appear in some strikingly different forms. Stilbite crystals can aggregate together to form a structure resembling wheat sheafs. This hourglass structure looks like several crystals stacked parallel to each other with the tops and bottoms of this structure fanning out while the middle remains thin. This hallmark crystal habit is unique to stilbite. Another crystal form for Stilbite is single crystals, sometimes showing twinning, with a prominent pinacoid giving the crystal a roughly "arrow" shape. This habit is common in some micromount specimens. Color ranges from white to pink.

Care must be taken when handling Stilbite specimens as the mineral is quite soft with a hardness of only 3.5 to 4. Cleavage is perfect in one direction and parallel to the prominent pinacoid. What this means is that sometimes Stilbite specimens will break easily if mishandled. Although Stilbite is a common mineral, good micromounts of Stibite, as single crystals are fairly rare. On exception to this is specimens from the Vulcan quarries in North Carolina have some excellent micromount crystals of gemmy stilbite. Until next time, may all your vugs be crystal filled and all your skies are blue.

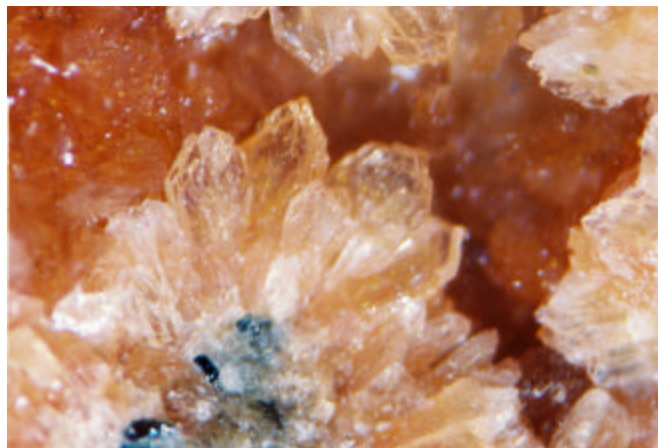


Figure – 1 shown below is a photomicrograph of pink gemmy Stilbite from Mount Lukens, Big Tujunga Canyon, Angeles National Forest, Los Angeles County, California. This specimen is a fracture filling in granite. An interesting side note, this specimen was one of the first micromounts I collected as a young lad of 16. (That was a lot of years ago!) The photomicrograph was taken at a magnification of 25X with Kodak ASA400 color print film.

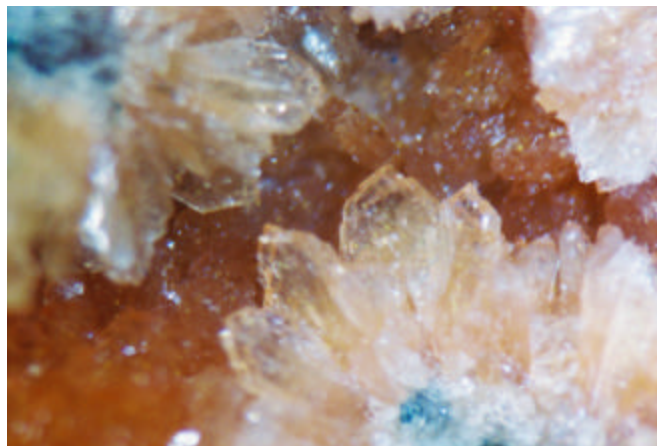


Figure – 2 is the same specimen photographed from a slightly different angle showing how several smaller parallel crystals have grown together, still showing the pronounced pinacoid, but now modified by the individual crystals.

From Greek "stilbein", to glitter of shine, or "stilbe", a mirror, alluding to its pearly or vitreous luster.

References:

<http://webmineral.com/data/Stilbite-Ca.shtml>

<http://www.mindat.org/min-3785.html>

Mason, B, Berry, L.G.; *Elements of Mineralogy*, 1967, Page 433, W.H. Freeman and Company, San Francisco

Dana, E, Ford, W; *A Textbook of Mineralogy*, 1951, Page 648, Joh Wiley & Sons, Inc., New York

September 2008

The Georgia Mineral Society

GMS Members are encouraged to review the following legislation and take action on an individual basis. As registered voters we need to be aware of legislation that affects our hobby. Along with a link to the legislation you will also find contact information for the congressmen on the committee. It has been recommended the best method of communication is a written letter as opposed to email. Thank you for giving this your attention.

The Paleontological Resources Preservation Act HR554

H.R. 554 . Referral to the Committees on Agriculture and the Judiciary extended for a period ending not later than September 12, 2008.

Below is a link to the actual text of the bill that is currently before the US House of Representatives. If this legislation passes, it will only be a matter of time before invertebrate and plant fossil collecting will be as extinct as the dinosaur fossils which we are no longer allowed to collect. What we have to do is to make sure that our legislators know that this bill should be reconsidered and that provisions for the amateur fossil collector's needs are preserved and protected just as much as the fossil remains we are trying to collect. Each and every one of us need to write or call our state committee members who are reviewing this bill to voice our ideas, concerns and opinions.

Please read, be informed as individuals or it may be too late to have any affect on the outcome of this legislation.

HR554 Link:

<http://www.thomas.gov/cgi-bin/query/z?c110:H.R.554:>

July 26, 2008 - by John M. Wright, AFMS Conservation & Legislation Chairman

The Paleontological Resources Preservation Act, HR554, was resurrected again earlier this year and approved by the Agriculture and Judiciary committees. This bill is on a "fast track" for passage and will most likely be voted on by the House of Representatives shortly after their return from summer recess which means September or October unless there is some unforeseen delay. It appears that a compromise has also been reached for Senate approval. Two other legislative items of concern this year that are currently being considered by the House of Representatives are HR 2016, National Landscape Conservation System and HR 5610, Designation of Wilderness Areas. If passed, these bills will essentially place 26 million acres of public lands controlled by BLM under a "National Park" type system which will eliminate or severely limit any type of recreational mining. The BLM lands that are designated as Wilderness Areas would for all practical purposes be "off limits" for most any type of recreational activity.

Agriculture Committee Members: (from the southeast)

[Collin C. Peterson](#), MN, *Chairman*

<http://collinpeterhouse.gov/>

[Mike McIntyre](#), NC

<http://www.house.gov/mcintyre/>

[Bob Etheridge](#), NC

<http://etheridge.house.gov/>

[David Scott](#), GA

<http://davidscott.house.gov/>

[Jim Marshall](#), GA

<http://www.house.gov/marshall/>

[John Barrow](#), GA

<http://barrow.house.gov/>

[Tim Mahoney](#), FL

<http://www.mahoney.house.gov/>

[Travis W. Childers](#), MS

<http://www.childers.house.gov/>

Republican Minority

[Bob Goodlatte](#), VA,

Ranking Minority Member

<http://www.house.gov/goodlatte/>

[Terry Everett](#), AL

<http://www.everett.house.gov/>

[Robin Hayes](#), NC

<http://www.hayes.house.gov/>

[Mike Rogers](#), AL

<http://www.house.gov/mike-rogers/>

[Charles W. Boustany, Jr.](#), LA

<http://boustany.house.gov/>

[Virginia Foxx](#), NC

<http://www.foxx.house.gov/>

Section from HR554 regarding permits

SEC. 5. COLLECTION OF PALEONTOLOGICAL RESOURCES.

(a) Permit Requirement-

(1) IN GENERAL- Except as provided in this Act, a paleontological resource may not be collected from Federal lands without a permit issued under this Act by the Secretary.

(2) CASUAL COLLECTING EXCEPTION- The Secretary may allow casual collecting without a permit on Federal lands controlled or administered by the Bureau of Land Management, the Bureau of Reclamation, and the Forest Service, where such collection is consistent with the laws governing the management of those Federal lands and this Act.

(c) Permit Specifications- A permit for the collection of a paleontological resource issued under this section shall contain such terms and conditions as the Secretary deems necessary to carry out the purposes of this Act. Every permit shall include requirements that--

(1) the paleontological resource that is collected from Federal lands under the permit will remain the property of the United States;

(2) the paleontological resource and copies of associated records will be preserved for the public in an approved repository, to be made available for scientific research and public education; and

(3) specific locality data will not be released by the permittee or repository without the written permission of the Secretary.

2008 Falls Fossil Festival

Falls of the Ohio State Park, 201 W. Riverside Dr. Clarksville, IN 47129 - (812) 280-9970

Dear Geology Club Members:

Falls of the Ohio State Park and the Falls of the Ohio Foundation announce the 2008 Falls Fossil Festival! This, our 14th event, will be held September 20 - 21 at one of the world's most spectacular naturally exposed fossil beds! Visitors can explore our rich Middle Devonian patch reef packed with fossils on the riverbed at the Falls of the Ohio.

This show, held rain or shine, features outdoor vendors selling fossils, minerals, books, related items and food. There are fossil bed tours and special workshops and programs from renowned paleontologists and geologists in the Interpretive Center. Speakers and topics this year include:

Sept. 20

9:30—12:15 Teacher workshop with the Kentucky Geological Survey educator. (Pre-registration recommended, but if room is available, drop ins are welcome.) Dr. Steve Greb, Kentucky Geological Survey, Lexington

1:30 The Geology of Coal, Dr. Steve Greb, Kentucky Geological Survey, Lexington.

2:30 Fossils in the Ohio Valley, Dan Phelps, Kentucky Paleontological Society, Lexington, Kentucky.

3:30 Minerals in the Ohio Valley, Charles Oldham, Crestwood, Kentucky

5:00 Keynote Presentation - Minerals and Life, Nelson Shaffer, Indiana Geological Survey, Bloomington.

Sept. 21

1:30 Fossil Collecting Tips, Rick Schrantz, Kentucky Paleontological Society, Lexington, Kentucky.

The exhibit Rocks, Minerals and Life is in our temporary gallery. It looks at how are rocks and minerals used in our every day life. Using a model office, this exhibit will focus on the building blocks of our modern world and the beautiful minerals that are sacrificed to improve our lives. Look for six display cases with minerals containing important elements for health and use in our life including: aluminum, antimony, barium, calcium, copper, fluorine, iron, manganese, molybdenum, phosphorus, silicon, titanium, vanadium, zinc, etc.

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 in Hanson's Fossil Collecting Piles. 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. (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 at www.fallsoftheohio.org/fossil_festival.shtml

or contact me at agoldstein@dnr.in.gov if you have any questions.

If someone else is the editor of your club newsletter or if your club doesn't want to be notified of this event, let me know so I can update or remove the e-mail address from my database!

Sincerely yours,

Alan Goldstein, Certified Interpretive Planner
Interpretive Naturalist
Falls of the Ohio State Park
201 West Riverside Dr.
Clarksville, IN 47129-3148
(812) 280-9970 ext. 403
www.fallsoftheohio.org

Gwinnett Environment and Heritage Center

In visiting different places in the Atlanta area like the Gwinnett Environment and Heritage Center, we learn about neat innovations. This is very interesting building that has grass and plants growing on top. Check it out if you have the chance. Bill Waggoner and Roxanne Lopez helped with making mineral testing kits to a good number of kids and parents on August 9.



A FIELD TRIP TO DREAM OF

By Lizabeth McClain, GMS Member

Do you ever attend a field trip and hope against hope that the pickings will be easy and plentiful? Sure, you do, but that's not always the case. Sometimes you go on a field trip and are happy to come home with a couple of specimens that are keepers.

Well, let me tell you, the recent trip to Clio, Alabama, was an exception and was exceptional! My husband Mickey and I arrived right at 9:00 a.m. to the location, signed in, and drove through the fence. We followed the lead of the two prior arrivals and backed our truck up to an area just inside the fence strewn with rocks. We hopped out of the truck. HOLY COW, there was beautiful silicified wood, lots of it! Every piece we picked up was a potential beauty. Of course, this caused a mild disagreement between the two of us because I wanted to take all of it home and Mickey was a bit more reasonable and prudent. I finally managed to put back a few pieces.

Several attendees spent the morning working on a big log that was partially buried. They broke quite a few large sections apart into manageable pieces that folks divided amongst themselves. I was the happy beneficiary of a large piece, compliments of Jim Haege's efforts, that turned out to weigh 60 pounds. It's a beauty and will be even more beautiful once it's all cleaned up.

Many thanks to Herb Whittington, who hosted the trip, and to Jim Haege, who filled in for George Libby as co-host. The trip was a lot of fun. I never got to go to Brilliant, nor had I been to Clio before. It was definitely worth getting up at 5:00 a.m.

We stayed until 1:00 or 2:00 o'clock, as did most of the 20 or so attendees. I believe everyone went home happy, especially the aforementioned Mr. Haege, who loaded his truck with goodies. You'll be able to see the results at future gem and mineral shows! Some of us left and had further adventures, but that's another story. The trip to Clio was great all by itself.



Jim Haege and others working on The Log



A nice piece of Silicified Wood



Lower Right: Oh Happy Day

The Southeast Federation of Mineralogical Societies, Inc

**DMC Program of the SFMS Field Trip Committee
An Official Field Trip of the Gem and Mineral Society of
Franklin, NC, Inc. (Franklin, NC) (HOST)
An Official Field Trip of the Georgia Mineral Society**

**10 a.m. until 6 p.m. –
Saturday, September 27, 2008
(Rain date will be Sunday, September 28, 2008)**

**BUCK CREEK AREA OF CHUNKY GAL MOUNTAIN
RANGE**

NO FEE AREA

Where: Buck Creek Prospect Field and Creek in Clay County, NC.

When: 10 a.m. at the Westgate Plaza, K-Mart and Ingles Shopping lot, to car pool to dig site.

Collecting: Various minerals, corundum (sapphire/ruby), sillimanite, rutile, kyanite, mica, garnet, moonstone, soapstone, and best of all new friends

Fee: No Fee Area

What to bring: food and water, bucket, knee boots, or old shoes; water is about 10 inches deep, gloves are suggested, one shovel for each three people, screens and other tools you would use to dig into the ground and sift material at the creek, ¼ mesh screen works best, a wide mouth bottle for your finds. Some corundum pieces can be as big as golf balls. Please do not use glass containers. You will have to walk about ¼ mile into creek collecting area from where you park. Bring food and water with you. There are no places to purchase food or drink near the mining collecting areas and no bathrooms. Remember, this time of year, snakes may be present. Also suggested is a change of clothes, shoes, boots, since you will be working in dirt and in and near water. This is Forest Service land so you must fill all holes when done, pick up all trash and debris and carry out with you when you leave.

You will have to sign an entrance form, which will free the Franklin Gem and Mineral Society of any mining liability as you normally do at most other mining sites.

Direction: From Hwy 64 and 441 intersections at the Franklin Westgate Plaza (K-Mart)... From the Westgate Plaza, Franklin, NC, K-Mart and Ingles Shopping lot, take US 64 West 16.3 miles to Buck Creek Road. Turn right. Watch for the DMC signs. Go 2.0 miles north on the Buck Creek Road. Park out of the road!!! Walk about ¼ mile to the west along the path to the mine dump. Please carpool if possible. The mine dump is on National Forest Land.

Note: Park well off the road to leave room for private individuals who live beyond parking areas. There will be signs posted for turn off and parking areas will be marked with "DMC."

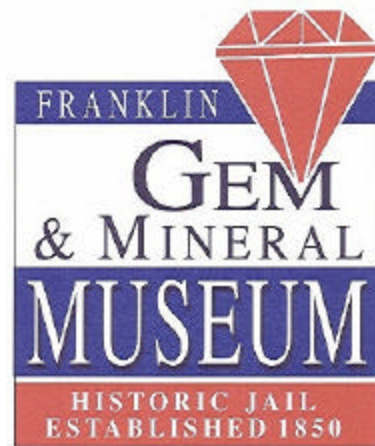
For more information contact: Tom or Linda Sterrett, lsterrtt@rosecreekmine.com or Rose Creek Mine at 828-349-3774.

"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!"

DMC Program / SFMS Field Trip committee's purpose: To collect field trip information from it's member societies; schedule and coordinate field trip dates; disseminate field trip information to all member clubs so that each member society may publish this information as one of their "official" scheduled field trips.

.....

For those going on the Buck Creek field trip, plan to stop on your return trip at Franklin's Gem and Mineral Museum.



Located in Franklin's Historic "Old Jail"
25 Phillips Street, Franklin, NC 28734

Open May 1st through October 31st

Monday through Friday

Noon - 4 pm

Saturday

11 am - 3 pm

6 pm - 9 pm

The Franklin Gem & Mineral Museum was founded in 1974 by The Gem & Mineral Society of Franklin (a totally volunteer organization) in cooperation with Macon County Commissioners and local area businesses. It occupies the Historic Old Jail of Macon County that was built in 1850. There are 6 rooms and a couple of hallways that are dedicated to the cataloging and preservation of gem and mineral specimens from around the world as well as those found in North Carolina and of course Macon County - home to the famous Cowee Valley where Rubies and Sapphires have been found for over 100 years! The other 4 rooms are used for meetings, workshops, library, and the office.

Source: <http://fgmm.org/>

Southeastern Gem and Mineral Shows

North Georgia Festivals of Interest

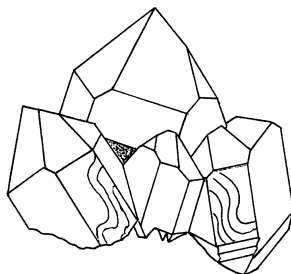
Aug 29-Sept 1-HENDERSONVILLE, NORTH CAROLINA: 27th annual show, "Gem & Mineral Spectacular and Sale"; Henderson County Gem & Mineral Society; Whitmire's Activity Bldg., Lily Pond Rd.; Fri. 10-6, Sat. 10-6, Sun. 10-6, Mon. 10-5; adults \$3, children 12 and under free with adult; gems, minerals, fossils, jewelry, lapidary equipment and supplies, demonstrations, exhibits, programs, hourly door prizes, grand prizes; contact Margaret L. Johnson, P.O. Box 6391, Hendersonville, NC 28793-6391, (828) 692-1249

Sept 5-7--WINSTON-SALEM, NORTH CAROLINA: 37th annual show; Forsyth Gem & Mineral Club; Education Bldg., Dixie Classic Fairgrounds, gate #9 from 27th St.; Fri. 10-7, Sat. 10-7, Sun. 12-5; contact W.A. Marion, 1163 Bear Creek Church Rd., Mocksville, NC 27028; e-mail: MarionA1@yadtel.net

Sept 26-28--JACKSONVILLE, FLORIDA: 20th annual show; Jacksonville Gem & Mineral Society; Morocco Temple, 3800 St. Johns Bluff Rd.; Fri. 1-6, Sat. 10-6, Sun. 10-5; adults \$3/day \$5/weekend; demonstrations, door prizes, lectures, JGMS lapidary exhibits, fluorescent display; contact Tom Frame, 3133 Chapelwood Ln., Jacksonville, FL 32216, (904) 400-3818; e-mail: jgms_show@hotmail.com

Sept 27-28--HIDDENITE, NORTH CAROLINA: 20th annual show; Western Piedmont Mineral & Gem Society; Hiddenite Center, Sulpher Springs Rd.; Sat. 9-6, Sun. 12:30-6; adults \$2, children under 13 free with adult; more than 40 exhibits of state and local minerals; contact Patty Arnold, (828) 465-2769, or Roger Grinnell, (828) 284-1521 or (828) 675-9281

Sept 27-28--LEXINGTON, KENTUCKY: Show and sale; Rockhounds of Central Kentucky; Kentucky National Guard Armory, Airport Rd.; Sat. 10-6, Sun. 12-5; adults \$1, students 6-12 50 cents, families \$3 max., Scouts in uniform free; dealers, minerals, jewelry, equipment, club sales, demonstrations, exhibits, silent auctions, hourly door prizes, kids' quarry, blacklight display; contact Kay Fisher, 1905 Port Royal Ct., Lexington, KY 40504, (859) 537-1776; e-mail: kkay19@aol.com; Web site: www.lexingtonrockclub.com



Villa Rica Gold Rush Festival - September 6
Parade, Arts & Crafts Fair, 5K Road Race and Evening Concert. Traditionally the Carroll County Gem and Mineral Society share a booth with the Villa Rica Gold Mine.

Source: *Crystal Chronicle/CCGMS Newsletter*

Georgia Marble Festival – October 4 & 5, 2008

Festival includes the Georgia Marble Festival Tours - Don't miss the opportunity to take a guided tour of the world's largest open pit marble quarry at Polycor Georgia Marble Company's Tate operation. This is the only time of the year the quarries are open to the public! See the Nelson Marble Museum and learn about the multitude of uses for marble and marble by-products.

The tours are \$10 per person and sold on a first come, first served basis. Monitor website for more details:

<http://www.pickenschamber.com/Marble-Quarry-Tours.75.0.html>

Source: *Pickens County Chamber of Commerce*

Fernbank Museum of Natural History

76 Clifton Rd. NE

Atlanta, GA

404.929.6300

For details on these exhibits, films, and events, please visit our website at

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

On Exhibit:

Ends of the Earth: From Polar Bears to Penguins

Penguins of the Antarctic: A Photographic Expedition



Upcoming Public Programs:

Dinosaur Birthday Bash Family Activity Day. Saturday, August 23, 10 a.m. – 2 p.m. Free with membership or museum admission.

Sunday Snow Day. Sunday, September 14, Noon – 3 p.m. Included with Museum membership or admission.

Now Showing in IMAX:

(Check our website for special screenings)

Antarctica

Wild Ocean

Ring of Fire (Opens August 29, 2008 Showing exclusively during Martinis and IMAX)

Martinis and IMAX, Friday evenings, 5:30 p.m. – 10 p.m.

September 2008

Sun	Mbn	Tue	Wed	Thu	Fri	Sat
	1 Rock and Mineral Day At Stone Mountain	2	3	4	5	6
7	8	9	10	11	12	13
14	15 GMS General Meeting	16 Mineral Section Meeting	17	18	19	20 Junior Field Trip
21	22	23	24	25	26	27 DMC Field Trip
28	29 Gem Section Meeting	30				

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

