

Tips *and* Trips



The Georgia Mineral Society

Atlanta, Georgia

Volume XXXVII/Two

February 2008

General Meeting
7:30 PM Monday, February 4, 2008
Chamblee Library
4115 Clairmont Road
Atlanta, GA 30341
770.936.1380



President's Message

Greetings to all:

The GMS Executive Board met, for the second time this fiscal year, today with a quorum of 12 of 21 positions present. Margaret Ronan was the gracious hostess. The meeting went smoothly with reports from all present. Then the discussion began: Home Base Building and Property. Begun as an offer to put numbers together for pursuing properties, the discussion evolved into a full-blown airing of "Do we really want to do this?"

This debate is on-going as long as I have been involved with GMS. The first donation towards a Building Fund was received in 1935 at the first GMS meeting. (I wasn't present!) Ever since, GMS has looked for a home. Very committed and talented people have joined committee after committee to look for a building that would meet our needs and budget. Building after building was rejected because it was: too expensive, wrong location, too small, too big, too expensive, wrong location, not enough parking, wrong zoning, too expensive, too many repairs needed, WRONG LOCATION, fear of high maintenance costs, TOO EXPENSIVE, etc. The frustration usually mounted until the committee gave a final negative report or simply quit looking... until the next committee continued the search.

(continued page 5)



Speaker for February: Kim Cochran's Fossil Quiz!

It's time to "brush-up" on your fossil knowledge. Kim is up to his regular tricks, and will provide an evil, nasty, hard to ace fossil quiz. He'll ask us around 20 questions, and will most likely have prizes for 1st and 2nd place winners.

If I were you, I'd start studying now.

Anita Westlake
VP 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

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Building	John Trimble	770.425.5075
Curator/Gem Box	Kim Cochran	770.979.8331
Facilities	Open to Volunteers	
Historian	Roxanne Lopez	770.436.0387
Hospitality	Margaret Ronan	404.636.0720
Librarian	Julian C. Gray	770.888.9331
Parliamentarian	Frank Decamnda	770-992-8309
Refreshments	Kim Prakash & Nancy Marden	770.879.0476 770.447.8542
Special Events	Kim Cochran	770.979.8331
Sunshine	Barbara Libby	770.978.2117
Telephone	George Libby	770.978.2117
SFMS Rep.	Anita Westlake	404.761.7849

The article submittal due date for the March 2008 newsletter is February 10, 2007.

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	Jay Gorday	770.986.0822
Dealer Chair	Martha Brown	770.448.0876
Exhibits	Tom Batcha	678.407.4224
Demonstrations	John Trimble	770.425.5075
Hospitality		
Treasurer		
Advertising		
Dealer Dinner		
Database		
Auction	Kim Cochran	770.979.8331
Set Up/Take Down	John Trimble	770.425.5075

February 2008

The Georgia Mineral Society

GMS General Meeting
January 7, 2008
Chamblee Library

Call to order at 7:30 PM by President Bill Waggener with 47 in attendance.

There were many new members and two juniors present.

Anita introduced Dave Gheesling who made us all look up to the sky in search of "Falling Rocks" – meteorites. When we look into the night sky and try to picture how many stars are being born and are dying right before our eyes it boggles the imagination. All of this stellar stuff explodes, cools, and collects into masses to form the soup of the universe.

Some of this stuff is blown away and searches for other places and other objects to interact with. Try to imagine the size of the object which struck the earth and striped its shell to form the moon? We learned about meteorites, meteors, and meteoroids. Most meteorites have nickel and iron in them but a few have calcium, aluminum, copper, amino acids, carbon, and water. Meteorites are the oldest rocks on earth predating our solar system. Some have peridot, olivine, and crystal structures not found in terrestrial rocks. If we keep looking down for rocks we may miss the fireball in the sky. Thank you Dave for a wonderful presentation. There will be a Meteorite Society meeting at Anita's on January 12.

Programs – Anita announced that Kim Cochran will give us a fossil test in February.

Treasurer – John Trimble announced that the Board decided to give \$5000 to Tellus over the next three years. We received a thank you from Tellus. We have approximately \$43,000 in funds not including dealer checks from the show.

Membership – Lizabeth McClain - As of the end of the year we have 624 members. We had 72 people join in December.

Tips and Trips – Tom Batcha - Thank you to Chris long who is a junior member for his article. There is an Editor's Contest which had several articles submitted by us and we will know the results at the end of the year.

Secretary - Margaret Ronan – Motion made to read the minutes from the previous meeting and seconded. The motion was defeated so the minutes were not read.

Fossil Section – Martha Brown – Next meeting will be at Martha's house on February 18 (please RSVP). The topic will be on the end of the Permian and the beginning of the Mesozoic.

Mineral Section – Jay Gorday – Next meeting will be January 22 at Anita's home and the topic is fluorescent minerals (please RSVP).

Gem Section – Carl Ziglin – On January 28 at George and Barbara Liblick's house. We may finish the peridot necklace. RSVP and we will discuss upcoming meetings.

Micromount Section – Dave Babulski – January 17 meeting

at Brookwood High School on Dogwood Road in Snellville.
Adopt-a-Highway – Kathy Smart – Easter egg hunt. Details to follow.

Awards – Carl Ziglin – Be thinking of people to recognize for their contributions.

Juniors – Roxanne Lopez – Field trip in February. Details to follow.

Education – Marcella needs to a speaker for 3rd and 5th graders in Lawrenceville.

Refreshments – Nancy Marden – Thank you for your contributions.

Special Events – Kim Cochran – Thank you for the set up and clean up for our Christmas Party. We had a variety of food. Some one lost a wallet there. Kim will be getting in touch with Gwinnett County about the June picnic.

Sunshine – Barbara Liblick – Leroy Brown had a heart attack. Lewis Eldridge is paralyzed and at home.

Field Trips – George Liblick – Vulcan Quarry January 19 in Florida, it's the only quarry currently to allow entrance. January 20 to Honeymoon Island for coral, Mickey McClain is planning trip to the Peace River for fossils that day. February 9 to Graves Mountain.

SFMS – Anita Westlake – She is assisting the Cobb Show to explain the importance of being associated with this organization. GMS received many awards for original articles published in Tips and Trips.

Stamp Program - Olin Banks needs stamps from our forgotten Christmas envelopes to sell on E-Bay for the purpose of awarding an individual with a free chance to attend classes at William Holland or Wild Acres.

May Show – Jay Gorday – Our Mother's Day Show will be at the Cobb Civic Center on Mother's Day Weekend May 2008. Contracts have been sent by Martha Brown and Jay needs help in all areas from the GMS membership. He needs help in set-up, take-down, dealer dinner, hospitality, demonstrations, exhibits, or just being yourself by helping people and talking about our rock interests. Let's make this a special year not just for GMS but for Jay because this is his last year as Show Chair.

Old Business:

Our Building Committee is still searching for a property.

New Business:

Executive Board Meeting at Margaret Ronan's house January 13 at 1:00PM. RSVP for lunch at 12:00. All members are welcome to attend.

Awards

SFMS Awards to GMS for Editor's Awards

Joan White – 3rd place for Large Bulletin (Tips and Trips)

SFMS Awards to GMS for Individual Authors

Dave Babulski - 2nd Place original article – Advanced

Sue Gorday – 1st Place original article – Adult

Julian Gray – 1st Place original article – Advanced

Lizabeth McClain – 1st Place original poetry – Advanced

Dylan Porter – 3rd Place original article – Adult

GMS General Meeting
(continued)

Fossil Section Meeting

George Liblick - Honorable Mention original article – Adult
Kim Cochran – 4th Place original article – Advanced

DATE: February 18, 2008
TIME: 7:30 PM

Outgoing President Award – Kim Cochran-Cave Bear fossil
Gem Chair Award – Kim Cochran – statue of nun

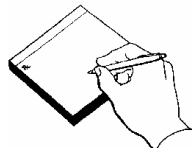
LOCATION:
LeRoy & Martha Brown's Home
4837Greenway Road, Norcross GA 30071



Door prizes were awarded – New members and juniors were allowed to choose first. Motion to adjourn the meeting was made and seconded at 9:20 PM.

PHONE:
770/448-0876 For directions & RSVP

Graciously Submitted,



February's meeting will be on the extinction at the end of the Permian. This period is also known as the age of amphibians. It occurred at the end of the Paleozoic era, 225 million years ago. Anita Westlake will be discussing this time. She has many wonderful fossils and has studied the extinctions in the past.

Margaret Ronan
Secretary

Please bring your fossilized specimens also to show and discuss.

Junior Section

Junior Field Trip
February 17, 2008
Sunday, 2 pm to 4 pm
Lopez's House

Martha Brown,
GMS Fossil Section Chair

Although this is not a field trip in the sense of going out into the woods and get dirty, we will still get dirty and have things to take home. For the past 10 years, my shed is getting heavier. It is time to explore what you can find in Georgia from the safety of my back porch. This is a great way for new comers and very young rock hounds to gain a wealth of knowledge on GA. I will be teaching a lesson from the third grade standards of GA. Even the younger ones can learn. Please call me for a head count and directions so I will have enough refreshments for our **HARD** work.

Roxanne Lopez
1711 Donna Lynn Dr
Smyrna, GA 30080
Cell 678-491-0489
Home 770-436-0387

Gem Section

Date: Monday February 25th:
6:00 Dinner, 7:30 meeting



Home of Barbara and George Libby
1230 Rhett Butler Drive
Lilburn, Georgia 30047

Phone 770-978-2117 for RSVP and directions.

Mineral Section

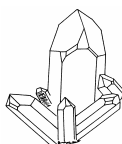
The Mineral Section met at Anita Westlake's house this month. We had an interesting program on fluorescent minerals. As usual, if you missed the meeting, you missed a good program and some fancy colored minerals (at least under the black light).

Thanks to Barbara and George Libby for hosting the January Gem Section Meeting. Although the meeting has not happened at the time of this writing, you can rest assured that a good time was had by all! Barbara and George have volunteered for an encore, so this month they will once again host the Gem Section. There is some chance that the necklace was completed, but my bookie says the odds are not exactly in our favor.

Information on the next mineral section meeting will be in the next newsletter. We hope you can join us.

We will have decided on a topic for the February meeting at the January meeting, so for the moment it is a mystery. I think it was Colonel Mustard with a chisel in the lapidary. Rest assured, the main meeting topic will be something other than necklace assembly.

Jay Gorday
GMS Mineral Section Chair



Hope to see you on the 25th!

Carl Ziglin,
Gem Section Chair

President's Message (Continued)

GMS Volunteers

Why is this so hard? Many groups and companies find headquarters. Some are satisfactory and some are poor choices that must be corrected. Is GMS that different from other groups that we can't do/decide/find/follow through with this important quest? Do we need to just stop looking and focus our resources on other projects?

Today the Board decided to continue the search process with additional efforts towards defining our financial needs and wants. (Frankly, I wonder if the current downturn in housing and building might be to our advantage as a non-profit organization.) None of us want to give up and none of us has the magic solution to our quest. We do wish for your thoughts on the dilemma. If you have the magic solution or know of some free building in Decatur, Chamblee or Tucker that is longing for an owner/occupant with lots of rocks, please share your insight with any of the Board members. John Trimble is the Building Committee Chair. He, I, or any of the Board would love to hear from you.



Sue Gorday went to Arygle Elementary to speak about women in Chemistry to a group of fifth grade girls.

Respectfully submitted,



Bill Waggener

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Micromount Section

The Micromount Section is meeting at Brookwood High School located at 1255 Dogwood Road, Snellville, Georgia 30078.

The meeting next is:
February 14, 2008

Meeting times will be from 6:30 to 8:30 PM. We will all meet in the front lobby of the school at 6:30 PM. The topic for the meeting will be "Mounting Techniques (aka How to be a Micromounting Heretic)". If you have questions about the micromount section, please cal David Babulski at 678-580-2475.

Dave Babulski
Micromount Chair

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Grab Bag Party

We have set the grab bag party for April 20th. At this time I have somewhere between 200 and 300 bags on hand. We will need about 700 more bags. If you could sew bags let me know. I have a few bags if you need one for a pattern. I believe that there is still some cloth in the shed.

Thank You
Kim



Sue poses with the class for a group picture.

.....



Be A Volunteer

MEMBERSHIP

Sunshine News

Please join me in welcoming the following new members to Georgia Mineral Society:

Bob, Carla, Robert, and Sarah Lewallyn of Atlanta, GA; Carrie, Jeff, and Adam Loman of Lilburn, GA; Wes and Sandy Luster of Tucker, GA; Tim and Kitty Miller of Dunwoody, GA; Steve and Nancy Moorman of Athens, GA; Larry, Dana, and Natalie Mudd of Kathleen, GA; Madhavi Barru, Ravi, Rushikh, and Riya Mungara of Suwanee, GA; and Fred, Sandy, Sarah, and Laura Rodes of Sharpsburg, GA. I hope we'll get to meet all of you at a meeting or field trip very soon.

Don't forget to send in those renewals on a timely basis, everyone, and please let me know if you have any e-mail or address changes. You may e-mail me at mgm5258@netzero.net or call me at 770-439-5756.

I hope everyone is having a wonderful 2008 so far. Happy rockhounding!



Lizabeth McClain
Executive VP/Membership



FEBRUARY BIRTHDAYS

- 2/03 Deb Wise
- 2/04 Dennis Bowers
- 2/05 Gracia Evins
- 2/05 Cathleen Orthwein
- 2/06 Josh Cormier
- 2/08 Betty Dennis
- 2/09 William Fleck
- 2/10 Tiffany Prosis
- 2/11 Mary Clark
- 2/11 Angela Scott
- 2/11 Diane Thomas
- 2/12 Noel Leitzman
- 2/13 Jimmy Herbert
- 2/15 Carla Lewallyn
- 2/16 Vanessa Cormier
- 2/17 Ray Borders
- 2/18 Randy Alexander
- 2/20 Tony Trentini
- 2/21 Steven Rogers
- 2/22 Wade Dennis
- 2/22 Rachel McDermott
- 2/24 Mark Mallory

FEBRUARY ANNIVERSARIES

- 2/14 Jeanette and Olin Banks

Just as we went to press for the January Tip and Trips I was informed that Leroy Brown, Martha husband had 2 heart attacks. On December 19th they put in two stints. He went back to the doctor Jan 11 and the doctor changed his medicine, he said he is feeling weak but thinks with the medicine change should be better.

Since the information I get is old by the time you get it people have gotten better or worse by the time you read it. Such is the case with Daryl Arthur. He has been through a bad patch, he has COPD and Emphysema from smoking (he quit 4 years ago) he has catastrophic diabetes and a heart conditions. He also has problems from exposure to Agent Orange. He has just gotten home from the hospital, he had phenomena and in order to cure it they had to put him in a coma. I never heard of that. That said I spoke to him and he is doing well and is in good spirits. He does not get out much and could use some company. By all means keep him in your prayers.



Please keep Lewis Eldridge in your thoughts and prayers. Lewis is paralyzed and at home.

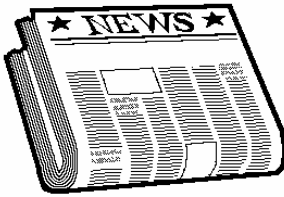
As always we want to respect everyone's privacy and therefore we don't publish our members addresses. If you would be interested in calling or dropping by to see any of these members please contact me and I can share that information with you.

Please send information on news you would like to share with GMS. My email address is angelonsite@bellsouth.net.

Thanks. You are all in my prayers, be well and you will hear from me next month.

Everybody have SUNSHINE in your life.

Barbara Libby,
Sunshine Chair



GMS May Show

Due to space and communications problems, there was no May Show news item in the January newsletter. I have updated last month's article and included new information, so here it is.....

Usually, I start out the January's issue of the May Show News by thanking everyone for their help with our December show, but I cannot do that this year. I hope many of our members were able to support Richard and his first annual *North Atlanta Christmas Show*. I would like to thank Richard for allowing GMS to have a table to promote our club. We gave out stickers, coloring books, membership applications, and the GMS information brochure to interested people who visited the show. I would like to also thank all the GMS members who took time out from shopping to staff the GMS table and tell everyone about the many things that GMS has going on.

Now time to look forward. We are gearing up for the May Show. Martha has mailed out contracts and is already getting signed contracts and money back from our dealers. We will be getting our show information in the magazines and web sites. If anyone has ideas or contacts for ways to promote our Club and Show, please let me know.

If you look at the bottom right hand portion of the 2nd page of *Trips and Trips*, you will notice that there are many blank spaces for May Show Committee Chairs. In the coming months, I will be asking people to chair the different committees and members to help the committees that it takes to put on the show. If you see something that you would like to help with or to coordinate, please let me know and we can start to fill in all the blanks. Also, this will be my last year to be Show Chair. I have been show chair for 10 years now and need a break. I will continue to help in other areas for the show. If anyone is interested in taking over the Show Chair next year, let me or Bill Waggener know.

It is also time to start thinking about a display or a demonstration for the show. It will not be long before we start seeing sign-up sheets passed around for volunteers. Mother's Day will be here before we know it.

Thanks for everyone's support and help

Jay Gorday
May Show Chair

Troubleshooting Guide for Problems Opening Electronic Tips and Trips

I would like to thank George Libby for the feedback concerning the problems he has been having with opening a Tips and Trips .pdf file. Also thanks to Carl Ziglin for the offer to assist others in troubleshooting the problem.

The topic came up during the discussion of how to get more of our membership that have computers with internet access to use electronic email and discontinue snail mail. George brought up that he and perhaps other members request snail mail because the electronic links are not working properly.

Below you will find several easy troubleshooting steps that can help those that have this problem:

Adobe Acrobat reader must be installed.

If you don't have it installed go to the Tips and Trips Archive page:

http://www.gamineral.org/TandT_archive.htm

Review the information and install the version that is right for your version of windows.

Turn OFF Pop-Up Blocker if it is Enabled / ON.

To check if this is a problem. Go to the Tips and Trips Main Page: <http://www.gamineral.org/TandTMenu.htm>

Now click the link for [Electronic "Tips and Trips"](#)

If the Tips and Trips Archive Page opens then the Pop-Up Blocker is set properly.

If it did not open then determine what Pop Up Blocker is being used and turn it off.

For later versions of Windows/Internet Explorer:

Open Internet Explorer → select Tools → select Pop-Up Blocker → select Turn off Pop-Up Blocker

Save Newsletter File first to your hard drive and then open.

If step 2 does not resolve the problem and Adobe Acrobat is installed then it possible to save the file first to your hard drive then open the file.

Go to the email with the link to the newsletter - Right click the link – select Save Target As – Save the file in a directory of your choice. Click Open when the Download is Complete to display the file. Note: The file is now saved on your computer. You can keep it for later use or choose to go ahead and delete it.

If you are having trouble and try these steps then send me an email and let me know if it was helpful for you.

If anyone would like to switch from snail to the electronic email please pass that along also.

Tom Batcha
Editor
newsletter@gamineral.org



THE MICROMOUNT CORNER

THE SPECTROSCOPE IN MINERALOGY

David Babulski

In the time before X-Ray diffraction and electron microprobe analysis, the spectroscope was a highly utilized tool in the analytical arsenal of the mineralogist. The spectroscope is used to indicate the presence of specific chemical elements in a mineral specimen. Generally speaking there are two type of spectroscopes: (1) The in-line prism type and, (2) the diffraction grating type.

Two modes of spectroscope operation are commonly used in mineralogy: Emission and absorption modes. In the emission technique, the specimen is heated to a high temperature in a flame or carbon arc. Specific elements in the mineral absorb some of the heat energy, which moves some of the outer electrons, in the atom electron cloud, to a higher energy level. This is an unstable situation, so the electrons fall back to their normal energy level giving up photons of light in the process. These photons of light are at very specific wavelengths of visible light and appear as bright color lines. On the other hand, if visible light is passed through cold gas or solid, such as a mineral crystal, some of the outer electrons in the electron cloud of an element will absorb the light energy creating dark lines. The absorption lines occur at the same place as the emission lines in the spectrum. The figure shown below shows the spectrum of the element Iron. The emission spectrum with the bright color lines is shown on top with the dark absorption lines shown on the bottom. Notice how position of the absorption lines match up with position of the bright emission lines.

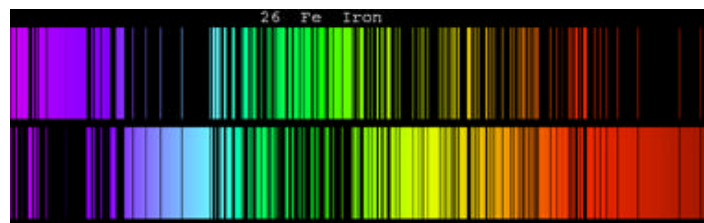
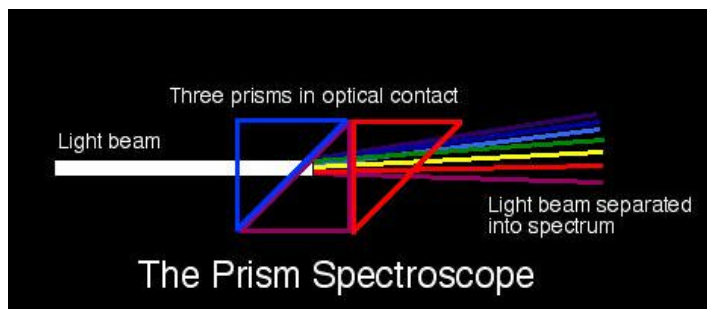
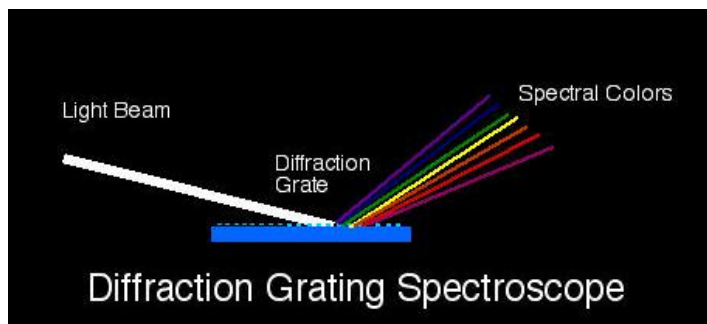


Figure – 1 In-Line prism type

Figure – 3 Emission and absorption spectra of Iron



Unfortunately, in the emission technique the specimen is vaporized and destroyed. Gemologists to verify the pedigree of a gem specimen sometime use the absorption technique. In this technique, white light is passed through the specimen and the absorption bands are observed in the spectroscope. An example of the absorption spectra of Almandine garnet is shown below.



Figure – 2 Diffraction grating type

Figure – 4 Absorption spectra for Almandine garnet

The in-line prism type instrument is the older of the two types with the diffraction grating type in use only in the last fifty years. The purpose of the spectroscope is to separate white light into its constituent colors. Bright emission color lines or dark absorption lines within the overall spectrum indicate the presence of specific elements within the chemical structure of the mineral specimen.

In-line prism type spectroscopes are very expensive. However, a simple diffraction type spectroscope can be made from heavy cardboard and a section of an old CD as the diffraction grating.

These instructions can be found on the Internet at: <http://www.uwm.edu/~awschwab/specweb.htm> I have built several of these small spectroscopes and they are accurate enough to observe bright emission lines in flame spectra and dark absorption lines from crystals and gem stones.

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February 2008

The Georgia Mineral Society

Adapting the spectroscope to the microscope is much more difficult. The primary problem in this application is insufficient light through the microscope. A very bright light source must be used with the microscope. The other problem with the microscope is aligning the crystal of interest with the slit at the front of the spectroscope. Even with these difficulties, experimenting with the spectroscope increases the enjoyment of minerals.

It should be mentioned in passing, another spectroscopic technique sometimes used by the professional mineralogist. This technique is called Raman spectroscopy. In this technique monochromatic light from a laser, at very specific wavelengths, is used to stimulate the various anionic groups in mineral species. Using Raman spectroscopy the investigator looks for scattering of the incident light at lower or higher wavelengths than the light from the excitation source (the laser). When the electron clouds of molecular anionic groups (such as carbonates, hydroxides, sulfates, etc) interact with the monochromatic light from the laser, some of the light is scattered at wavelengths above or below the wavelength of the incident light from the laser. Because this wavelength shifted scattered light is very weak, special equipment is required to filter out the laser light and amplify the weakly scattered light. The amount of the wavelength shift provides a characteristic "fingerprint" of the specific anionic group. This can be a great aid for the mineralogist in identifying a specific mineral species. Unfortunately, equipment for Raman spectroscopy is very expensive and outside the reach of the amateur mineralogist.

Until next month, may all your skies be blue and all your vugs crystal filled.

Picture credits:

Figures – 1, 2 and 4:

www.youngemologist.com/spectroscope

Figure – 3:

<http://javalab.uoregon.edu/dcaley/elements/Elements.html>

References:

<http://www.mineralatlas.com/ijvs%20Raman%20papaer/IJVS%20Raman%20paper.htm>

<http://www.prettyrock.com/spectroscope-instructions.htm>

<http://www.mindspring.com/~smskjc/speck.htm>

<http://www.mineralatlas.com/General%20introduction/vibrationspectroscopy1.htm>

<http://bobmay.astronomy.net/johnpierce/part14.htm>



GMS Field Trip
February 9th, 2008, 9AM
Graves Mountain
 Fee - "Donation"

Fee: There is no fee to visit the mountain but we should remember the caretaker goes out of his way to be sure we will have a great collecting day. Actually he is working on it now and if not finished there may be some areas off limits. Still lets be generous when offering a gratuity to the caretaker who is taking care of us.

Collecting: Rutile, lazulite, prophyllite, iridescent hematite, pyrite, ilmenite, muscovite, fuchsite just to name a few of the minerals found here. You should bring a hand truck to bring your buckets and tools to the collecting site. Perhaps a screen to sift for rutile at the top of the mountain. Don't forget something to drink and eat.

Safety: The quarry contains high and unstable walls. Loose rocks can be dislodged by someone from above. It is suggested you wear a hard hat and stay away from the walls. Proper footwear with good ankle support is a must when climbing around rock piles. Always examine the area above you for loose rocks and boulders.

Directions: From I-285 take I-20 East to the exit for Washington. GA SR78 (SR10, SR17) and turn left. Travel North to Washington. Turn right onto SR 378 and drive about 11 miles to the Graves Mountain area. Just as you pass the Lincoln County Line sign there is a road on the left. Norman Road. There is a sign to Normans Towing here and we will meet at the corner to sign the liability releases, make our donations and then caravan to the mountain.

George Libby. Field trip chair
 770-978-2117
 cell 678-910-7476 (it may not work in this area)



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 Rome Georgia Mineral Society (Rome, GA)(HOST)
An Official Field Trip of the GEORGIA MINERAL SOCIETY

Patty Construction Quarry
 Summerville Lace Agate
 Chattooga County, GA
 February 16, 2006
 9:30 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: February 16, 2006
TIME: 9:30 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.

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 JEPORDIZES THE FUTURE OF THIS SITE.

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

DMC CONTACT: Jeff Deere, Rome Ga. Mineral Society Field Chair - Home: (770) 386-5447
 E mail: wjdeere@comcast.net

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 "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.



Specimens of Summerville Agate
 (Field Trip photos by Tom Batcha)

2008 SFMS Workshops

One of the unique facets of the Southeast Federation of Mineralogical Societies is the Workshop Program, which offers members the opportunity to gather for week-long, hands-on seminars taught by experienced instructors. Whether you are a newcomer to the lapidary arts and want to learn the basics, or whether you're an old hand who wants to learn something new or move on to the next level, the Workshop Program has something for you. We look forward to seeing you in 2008.

Julia Larson, SFMS Education Chair

William Holland School of Lapidary Arts (www.lapidary.com) is located in the mountains of north Georgia near the North Carolina border.

Wildacres Retreat (www.wildacres.org) is a privately owned conference center nestled in the North Carolina mountains near Little Switzerland. Please visit these websites for additional information.

Who May Attend: Anyone belonging to an SFMS club will be given priority. Student under 18 are welcome, but must be accompanied by a responsible adult and must have approval from the workshop director and the instructor to attend an adult class. Members of other AFMS regional federations may attend on a space available basis. **Anyone not affiliated with AFMS may attend by paying an additional fee of \$50.** First-time workshop attendees and those taking a class for the first time will receive priority.

2008 WORKSHOP DATES

William Holland	June 8-14
Wildacres	August 18-24
Wildacres	September 15-21
William Holland	October 12-18

REGISTRATION PROCEDURES

Applications from members of SFMS clubs will be accepted beginning February 1, 2008. Applications from other regional federations and the public at large will be accepted beginning April 1, 2008. Your club membership dues must be current and your club's dues to the Federation must also be paid before you will be accepted as an SFMS member.

A non-refundable administrative deposit of \$25 per person must accompany the application. The full amount may be remitted at that time. The balance is due four weeks before the workshop start date. No reminders will be sent. If you have not received written confirmation of your application within 30 days, please contact the registrar or education chair.

Refunds are at the discretion of the Education Chair and the workshop director; however no refunds will be made once the workshop has started. There is no adjustment for late arrival or early departure. No fee will be charged if a class is cancelled.

The **application form** is on the next page, along with the course offerings. Please read it carefully.

Note that some classes are marked with an asterisk (*), meaning they are Intermediate or Advanced, and therefore have prerequisites.

Please do not sign up for these classes unless you have the required experience. Contact the instructor for more information on these classes.

About instructors:

All instructors for our workshop program are volunteers. They may charge a materials fee for their classes, but are not otherwise compensated for their time and effort. For additional information about our instructors, please visit www.amfed.org/sfms

WORKSHOP STAFF

WORKSHOP DIRECTOR:

Kathy Morris
P.O. Box 913
Tryon NC 28782
828-894-6303

klmorris45@hotmail.com

WILDACRES REGISTRAR:

Mrs. B. J. Gearhart
631 Lake Overlook Dr.
Canton, GA 30411
770-479-0963

waregistrar0809@hotmail.com

WM HOLLAND REGISTRAR:

Denise Talbott
216 Springview St.
Murphy NC 28906
828-494-7213

whregistrar@hotmail.com

NOTE:

Check-in at Wildacres is **MONDAY** afternoon.

Check it at William Holland is **SUNDAY** afternoon.

Early check-in is not permitted at either location.

2008 SFMS WORKSHOP CLASS SCHEDULE

SESSION ONE - WILLIAM HOLLAND
SUNDAY, June 8-14, 2008

Beading, traditional	jCase Leaser
Cabochons, beginning	Jerry Mason
Chainmaking, beg.	TBA
Enameling	Rene Wright
Glass fusing	Julia Larson
Lampwork, beginning	Cindy Reed
Opal cutting	Sara Lee Boyce
Scrimshaw techniques	Gino Deskins/Betty Porter
Silver, beginning #1	Dan Haga
Silver, beginning #2	Allen Jewell
Wire sculpture*	Diane Mason
Wire	TBA

SESSION TWO - WILDACRES
MONDAY, August 18-24, 2008

Cabochons	Betty James
Facet/intarsia, beg	David Lonser
Cold Connection	Kim St Jean
Chainmaking, beginning	Roy Deere
Gem Ident/ Appreciation	Ben Smith
Metalsmithing, Advanced*	Jeff Sheer
Jewelry Photography	Ken Kipnis
PMC 1	Ken, Mary Ann Devos
Raku Pottery	Jim Cullen
Seed Bead Techniques	Vivian Heath
Silver, beginning	Nancy English
Wire, beginning	Rowan Rose

Classes with asterisk (*) have prerequisites. Check with instructor before registering.

Education Chair

Julia Larson
 5297 Huntington St NE
 St Petersburg FL 33703
 Phone 727-522-1254
 Email sfmsedchair@gmail.com

SESSION THREE - WILDACRES
MONDAY, September 15-21

Enameling	TBA
Chainmaking, advanced*	Roy Deere
Facet/Intarsia, beg	Tom Wilkie
Casting Finishing	Gino Deskins
Opal Cutting	Sara Lee Boyce
PMC 2	Ken, Mary Ann Devos
Seed bead tech.	Roz Evans
Silver, beginning	Zane Purcell
Stained glass, beginning	Julia Larson
Wire Weaving*	Louise Coulson
Wire, knotting/ braiding*	Don Coulson

SESSION FOUR - WILLIAM HOLLAND
SUNDAY, October 12-18
(Julia Larson, Acting Director)

Cabochons	Anita Westlake
Chainmaking	Bill & Dee Conybear
Cold Connection	Kathy Morris
Faceting Two	David Corn
Fused Glass	Addy DiPietro
Gourd Carving	Pat Davis
Opal cutting	Joe DiPietro
Lost Wax Casting	John Iacullo
Jewelry Photography	Ken Kipnis
PMC	Pam Hall
Scrimshaw	Gino Deskins/Betty Porter
Seed Beading	Vivian Heath
Silver, beginning #1	Don & Ann Monroe
Silver, beginning #2	Dan Haga
Silver, intermediate*	Allen Jewell
Beginning Wire	Janet Corn

2008 SFMS WORKSHOP REGISTRATION FORM

SESSION: (check one)	<input type="checkbox"/> 1 William Holland June 8-14	<input type="checkbox"/> 2 Wildacres August 18-24	<input type="checkbox"/> 3 Wildacres September 15-21	<input type="checkbox"/> 4 William Holland October 12-18
ACCOMMODATIONS: <input type="checkbox"/> Lodge <input type="checkbox"/> Day Student <input type="checkbox"/> Campground (Wm Holland only)				

1 NAME _____ SFMS CLUB _____
 Address _____
 City _____ ST _____ ZIP _____ Email _____
 Home Phone (____) _____ Cell Phone (____) _____
 Have you attended any other SFMS workshops? _____
 Do you want to be placed on standby if your class is filled when we get your application? Y N

Spouse NAME _____ SFMS CLUB _____
 (#2) Address _____
 City _____ ST _____ ZIP _____ Email _____
 Home Phone (____) _____ Cell Phone (____) _____
 Have you attended any other SFMS workshops? _____
 Do you want to be placed on standby if your class is filled when we get your application? Y N

Single applicants only: Do you have someone you want to share a room with? If yes, whom?

 Are you a smoker?? Y N Do you want a non-smoking roommate? Y N No preference ____
 Are you an early riser? _____ or a night owl? _____

Special needs:
 Do you need a handicap room? Y N Can you negotiate stairs? Y N (elevator at Wm Holland only)
 Dietary: Diabetic _____ Other _____
 Campers: Type _____ Length _____ (40 ft. max.)

Class Selection - Please list alternates

First Choice	1 st time taking class?	Second Choice	Third Choice
Student #1	Y N	Y N	Y N
Spouse #2	Y N	Y N	Y N

Cost per person \$310.00 double occupancy
 Single room with private bath \$470
 Non members add \$50.00
 Day Student or camper workshop fee \$140 per person. Campsite fee (Wm Holland only) \$120 per week. No meals are included for day students or campers. They are available from and payable directly to the facility. A \$25 non-refundable deposit per person must accompany your application. You may, and are encouraged to pay the full amount at that time.
Cancellation Policy: There is a non-refundable \$25 administration fee. Other refunds are at the discretion of the director and Education Chair.

MAKE CHECK PAYABLE TO
 Denise Talbott, William Holland Registrar
 216 Springview St
 Murphy NC 28906
 -- OR --
 Mrs. B.J. Gearheart, Wildacres Registrar
 P.O. Box 36
 Lebanon GA 30146-9998

FOR REGISTRAR'S USE ONLY

Postmark Date	Check #
Deposit #	Amt Paid \$
Accept Mailed	Bal due \$
Standby mailed	Bal check #
Cancel Date	Total Paid
- cancel fee \$	Refund \$
Refund check #	Refund mailed

The Georgia Mineral Society

February 2008

Southeastern Rock and Gem Shows

Feb 2-3--PANAMA CITY, FLORIDA: 17th annual show; Panama City Gem & Mineral Society; Bay County Fairgrounds, 15th St. (Hwy. 98) and Sherman Ave.; Sat. 9-5, Sun. 9-4; free admission; exhibits, door prizes, gems, minerals, fossils, jewelry, beads, lapidary arts, wire wrapping, silversmithing; contact Al Zar, c/o Ruth Alldredge, Publicity, 316 Cherry St. #38, Panama City, FL 32401, (850) 784-0740; e-mail: Aquezpie@bellsouth.net

Feb 8-10--MERRITT ISLAND, FLORIDA: 31st annual show, "Symphony of Gemstones"; Central Brevard Rock & Gem Club; Kiwanis Island Park, 950 Kiwanis Park Rd.; Fri. 1-6, Sat. 10-5, Sun. 10-5; admission \$3; rough and cut gems, minerals, fine jewelry, equipment, supplies, books, beads, demonstrations; contact Forrest MacNab, (321) 453-6379

Feb 23-24--JACKSON, MISSISSIPPI: 50th anniversary show; Mississippi Gem & Mineral Society; Trade Mart Bldg., state fairgrounds, High Street (I-55 exit 96); Sat. 9-5, Sun. 10-4; contact Betty M. James, (601) 914-6747

March 7-9--LARGO, FLORIDA: 38th annual show and sale; Suncoast Gem & Mineral Society; Minnreg Bldg., 6340 126th Ave. N.; Fri. 10-6, Sat. 10-6, Sun. 10-5; adults \$5, students with parents or I.D. card \$4, under 6 free, good all three days; club sales, dealers, finished and unfinished gems and minerals, jewelry, equipment, tools, raffles, displays, grab bags, demonstrations, displays, demonstrations; contact Bill Schmidt or Sue Black, Suncoast Gem & Mineral, P.O. Box 13254, St. Petersburg, FL 33733-3254, (727) 657-0998 or (727) 345-8994; Web site: www.sgams.com

March 7-9--SARASOTA, FLORIDA: 180th show; Frank Cox Productions; Municipal Auditorium, 801 N. Tamiami Trl. (Hwy. 41); Fri. 10-5, Sat. 10-5, Sun. 10-5; contact Frank Cox Productions, 755 S. Palm Ave. #203, Sarasota, FL 34236, (941) 954-0202; e-mail: frankcox@comcast.net; Web site: www.frankcoxproductions.com

March 7-9--TAMPA, FLORIDA: Show; AKS Gem Shows; Florida State Fairgrounds, 4800 U.S. Hwy. 301 N; Fri. 10-6, Sat. 10-6, Sun. 10-4; admission \$5, children under 12 free; beading classes; contact Kay Schabillon, 4532 Kawanee Ave., Metairie, LA 7006, (504) 455-6101; e-mail: info@aksshow.com; Web site: www.aksshow.com

March 14-16--CLEARWATER, FLORIDA: 13th annual show; Frank Cox Productions; Harbor View Center, 300 Cleveland St. (downtown); Fri. 10-5, Sat. 10-5, Sun. 10-5; contact Frank Cox Productions, 755 S. Palm Ave. #203, Sarasota, FL 34236, (941) 954-0202; e-mail: frankcox@comcast.net; www.frankcoxproductions.com

March 14-16--ROME, GEORGIA: Valley and Ridge Gem & Mineral Show; Rome Georgia Mineral Society; Chapel Hill United Methodist Church, 1818 Kingston Hwy. SE; Fri. 10-6, Sat. 10-6, Sun. 1-5; free admission; door prizes, demonstrations, exhibits; contact Tim Biggart, 40 Westwood Cir., Rome, GA 30165, (706) 238-7943; e-mail: tbiggart@berry.edu

March 28-30--MORGANTON, NORTH CAROLINA: 33rd annual show; Morganton Parks and Recreation Dept.; Collett Street Recreation Center, 300 Collett St.; Fri. 9-6, Sat. 10-6, Sun. 12-5; adults \$2, children \$1; dealers, gems, minerals, jewelry, school groups Fri., door prizes; contact Gary W. Leonhardt, P.O. Box 3448, Morganton, NC 28680, (828) 439-1866; e-mail: gleonhardt@ci.morganton.nc.us

March 29-30--ORLANDO, FLORIDA: Show; Central Florida Mineral & Gem Society; Central Florida Fairgrounds, 4630 W. Colonial Dr.; Sat. 9-5, Sun. 9-5; adults \$4, seniors \$3, students \$2, children under 12 free; silent auctions, faceting, cabochoning and wire wrapping demonstrations, lectures, sluice mining for gems; contact John Piziak, 16534 Avenida Del Lago, Winter Garden, FL 34787, (407) 239-9165; e-mail: annepiziak@embarqmail.com

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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:

Opening February 9: *In the Dark*

Opening February 21, *Daufuskie Island*, photographs by Jeanne Moutoussamy-Ashe



Upcoming Public Programs:

***In the Dark* Opening Day Celebration.** Saturday, February 9, 10 a.m. – 2 p.m. Included with membership or museum admission.

Rain Barrel and Worm Composting Workshop. Sunday, February 10, 1 p.m. – 3 p.m. Registration required.

Now Showing in IMAX:

Africa: The Serengeti

Sea Monsters

Cirque du Soleil™ Journey of Man (Friday nights only)

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

February 2008

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4 General Meeting	5	6	7	8	9 GMS Field Trip Graves Mountain
10	11	12	13	14 Micromount Section Meeting	15	16 DMC Field Trip Summerville
17 Junior Section Meeting	18 Fossil Section Meeting	19	20	21	22	23
24	25 Gem Section Meeting	26	27	28	29	

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

