

Tips *and* Trips



The Georgia Mineral Society

Atlanta, Georgia

Volume XXXVIII/One

February 2009

February's Program

R O C K S !!!



The inimitable Kim Cochran will tell us everything we always wanted to know about rocks, but were afraid to ask. Is it a mineral or a rock? Are those rocks in Kim's head, or are they minerals? What kinds of rocks are there? Where might you find rocks? Do rocks really slide along on their own? Kim, past GMS president, very long time member and former curator of the Weinman Mineral Museum will enlighten us on the many *facets* of rocks.

Please join us!

Carl Ziglin, VP of Programs

General Meeting

7:30 PM Monday
February 02, 2009

Chamblee Library
4115 Clairmont Road
Atlanta, GA 30341
770.936.1380





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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Hospitality	Margaret Ronan	404.636.0720
Librarian	Julian C. Gray	770.888.9331
Parliamentarian	Frank Decaminada	770-992-8309
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Special Events	Kim Cochran	770.979.8331
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The article submittal due date for the March 2009 newsletter is February 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.

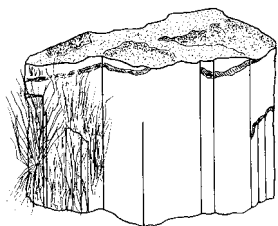
The Georgia Mineral Society on the Internet:
<http://www.gamineral.org>
 E-mail Early Notification Program: A field trip and club news update service. To join, members are requested to send in their current e-mail address to:
gms@gamineral.org

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
Hospitality	Richard Graveline	770.972.8714
Treasurer	John Trimble	770.425.5075
Advertising	Jay Gorday	770.986.0822
Dealer Dinner		
Database	Mary Porter	770.998.1018
Auction	Kim Cochran	770.979.8331
Set Up/Take Down	Jay Gorday	770.986.0822

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

**Georgia Mineral Society
January 5th, 2009 Minutes**



The January meeting of the Georgia Mineral Society was called to order at 7:30PM by Bill Waggener, President. There were two visitors with 33 total in attendance.

Carl Ziglin introduced Doug Daniels who interrupted his 29th wedding anniversary to present a program on Asbestos. Doug explained just what is asbestos, its properties, uses and hazards. Afterward Carl presented him with a specimen of Youngite.

Lizabeth McClain said that as of December 31st that there are 581 members.

Carl Ziglin reported that the program for February will be announced later.

Kim Cochran read the minutes from the December meeting. Jay Gorday made a motion that the minutes be accepted as read. It was seconded by Sue Gorday. The motion was carried.

John Trimble reported that we had money.

Carl reported that the January 20th meeting will be held at Kim's house. Supper will be at 6:30 and the meeting will be at 7:30. At this time the topic for the February Gem Section is open.

Jay Gorday reported that the January 20th meeting of the Mineral Section will be held at Anita Westlake's house. The topic will be Mineral Oddities.

Jay reported that we will not meet at the Chamblee Library in April due to the fact that there will be library meetings in the room during that month. It may be possible to book the Dunwoody Library on that night.

Martha Brown reported that Kim will present a program on Wood Fossilization at the February Fossil Section meeting at her home. Nancy Marden smiled and fancied a bit.

Bill reported that the Junior Section will have a field trip to Tellus Museum on January 17th. Adults are welcome.

The Micromount Section meets at Brookwood High School in Snellville at 7:00 January 15th. R.S.V.P. Dave Babulski.

George Libby reported that there will be a DMC Field Trip to Diamond Hill on January 31st and to Summerville on February 7th. George is looking for a replacement for Field Trip Chair and will be able to assist the new chair.

Bill handed out awards to recipients from the competition with the Southeast Federation.

Honorable Mention, Original Article – Olga Jarret – Sand as Hobby and Work: Collecting, Art, and Science

Honorable Mention, Original Article – Bill Waggener – President's Message

5th Place, Original Article, Advanced - Dave Babulski-Iridescence

7th Place, Original Article - Kim Cochran – Help! Help?

1st Place, Large Bulletins – Tom Batcha – Tips and Trips

3rd Place, Original Article – George Libby – Thomas the Train, I Think I Can, I Think I Can

2nd Place, Original Article, Advanced – Julian Gray – I'm in Big Trouble Aren't I

3rd Place, Original Article, Advanced – Sue Gorday – GMS February Field Trip

Tom Batcha handed out awards to recipients from competition with the American Federation.

5th place, Original Article – George Libby – Thomas the Train, I Think I Can, I Think I Can

5th Place, Original Article, Advanced – Julian Gray – I'm in Big Trouble Aren't I

Honorable Mention – Sue Gorday - GMS February Field Trip

9th Place, Large Bulletins – Tom Batcha – Tips and Trips

Bill encouraged juniors to submit articles.

Kim reported that bags are being sewn. Donations of filler material is coming in. Colorful calcite and pyrite have been ordered. Contracts are going out. There will be a short Show Committee meeting after we adjourn.

Jim Flora is maintaining the website well. Look at the site and make sure all information is correct.

Bill reported that the 2009-10 mini-grant applications will be posted on the website this month. Marcella scratched her neck. We received an application from December. We still have money to give away.

Frank Decaminada is our new State Director with the Southeast Federation. On June 20th William Holland will host the semi-annual meeting. Jacksonville will host the next annual meeting.

Olin Banks asked for stamp donations. GMS won a scholarship from the stamp donations from the Southeast Federation. Carl Ziglin's name was drawn. He declined. Anita Westlake was then drawn with Lizabeth McClain as an alternate.

(continued page 5)

President's Message

One bit of fun that I have at the holidays is sharing rocks with the faculty and staff at my school. I started the tradition with petrified wood polished pebbles. Placing them in the faculty and staff mailboxes helped me keep track of who had received their pebbles. After the initial "What is this?" and many unexpectedly bounced pebbles, everyone seemed happy with their bit of rock. Many went to children and grandchildren. A few found a home on teachers' desks and windowsills. I discovered that more than a few folks were interested in rocks already or had a collection when they were young. I had fun: HO, HO, HO.

The next year, I came across a number of flats of small Arkansas quartz clusters during the December GMS Gem and Mineral show. It was too much temptation. The faculty was going to get quartz. I decided that the kitchen and custodial staff would get blue coral beads. Not wanting to bounce quartz or coral, I decided to hand deliver the rocks. What a mess!! I still don't know if everyone received the right rock or even if they received one at all. At least this time many folks recognized crystals. Again, I had fun: HO, HO, HO.

Now I had to start planning. Expectations were established and I heard nice comments like "I wonder what we are going to get next year?" With no clue about what was available, I asked my friend David "to the rescue" Dean if he had anything handy. David had several batches of South American amythest. He brought boxes to Franklin for me to see. It was perfect: amythest for all for the coming year. Delivery reverted to mailboxes for faculty, with batch delivery to kitchen staff, custodial staff, and ESEP teachers. Most folks recognized the mineral and many shared stories about amythest in their past. Wow! I had fun: HO, HO, HO.

This year's gifts materialized in Franklin again, in David's truck: Peruvian pyrite by the pound, shiny and golden. It was again right on target. Of course, there was an additional step in the process this year. Washing the pyrite in acid the night before gift time, adding baking soda while watching the neutralizing foam volcano, and triple-rinsing the rocks was a pain that was well-worth the effort. The bright, shiny golden pyrite in mailboxes was satisfying to me. The shiny hand deliveries reflected in their eyes. Everyone had comments: "Fool's gold, really? Is that a hint?" "All that glitters is not gold." and my favorite "The illusion of prosperity!" I have fun: HO, HO, HO.

I wonder what is going to be the specimen for next year?

I invite you to share your rocks and minerals with students, classes, teachers, Scouts, and GMS grab bags. It is lots of fun: HO, HO, HO.

Respectfully submitted, Bill



Education Report

Earth Science Education continues to be supported by Kim Cochran, Anita Westlake and others. They spoke to several groups these past months about various topics.

We have outstanding requests for speakers for classes. Please step forward to support public education. I will forward all volunteers to the appropriate teachers. Mickey McClain and Roxanne Lopez both could use support in their classrooms. Ask them what would be helpful.

The 2009-2010 Holly Camp Earth Science Minigrant applications are available on the GMS website. Please encourage teachers to apply for the 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 Waggener, Education Chair



Fossil Section News

DATE: February 16, 2009
TIME: 7:30 PM
LOCATION: LeRoy & Martha Brown's Home
4837 Greenway Road, Norcross GA 30071
PHONE: 770/448-0876 For directions & RSVP

Fossilization and Wood
by Kim Cochran

February's meeting will be on fossilization and wood. Kim Cochran always has a wonderful program. One of the members wanted the fossil section to put the focus on fossilization and wood. Kim agreed to put this program together so we can see the effect on wood.

As every one knows Kim has wonderful specimens to use as examples for his talk. If you have any specimens to show please bring them.

Thank You,
Martha S. Brown



May Show

Contracts are going out to dealers. The new floor plan has been completed. We have had a great start on grab bags being sewn. Over 100 pounds of filler material has been donated with promises of more to come. Calcite and pyrite is on order. The grab bag bucket will continue to be at meetings for donators. Everything seems to be going well at this time. A date for the stuffing party will be announced in February.

Kim

Meeting Minutes (continued)

Olin had catalogues with coarse schedules for those interested. Bill encouraged everyone to turn in stamps.

The Executive Board will meet on January 18th at Anita's house. Lunch will be at noon with the meeting starting at 1:00PM. Anita will not be serving optifast at lunch. The meeting is open to all members.

We received five new family memberships from the show at the North Atlanta Trade Center.

Many others picked up applications and over 100 tri-folds were handed out. Anita thanked Sue and Jay Gorday for all of their help in manning the booth.

Nancy Marden thanked Eva Ostrofsky for bringing refreshments. Richard Graveline brought brownies. There is a sign up sheet for those wishing to bring refreshments.

Carl said to think of those who are doing something and let him know for consideration for awards.

John reported that due to the holidays nothing is happening in locating a building.

Bill attended a contributor's recognition dinner at Tellus on January 3rd and was very impressed with the facility. They still are short about \$2.5 million.

Jay brought pictures from one of the preview days. Sue, Sarah, and Jay Gorday, Anita Westlake, and John Trimble have been working at Tellus. They need more volunteers.

Bill thanked Tom for his efforts with Tips and Trips. We need to do a better job in getting articles and information to him. The deadline is the 10th of the month. There was no bulletin published for January but there will be one for February.

Margaret Ronan gave out door prizes. Martha Brown put her's into the grab bag bucket.

Bill reminded the Show Committee member of the meeting after we adjourn.

John Trimble made a motion to adjourn. It was seconded by Lawrence Parker. Motion carried. The meeting adjourned at 9:20PM.

Respectfully submitted,
Kim B. Cochran, Recording Secretary



Junior Section

No trips in February
Save the Date - March 21st

Roxanne Lopez Junior Chair 678-491-0489

Gem Section

February meeting:

Monday February 23rd, 6:30 dinner, 7:30 meeting

This month's topic will be diamonds!

We will be meeting at:

The home of Linda and Tom Batcha
2300 Oakland Chase Ct
Lawrenceville, GA 30044

Please phone 678-407-4224 to RSVP.

Answer to December's Gem Section Trivia:

Is Evening Emerald a beryl? No. It is the term the ancient Romans used for what we now call Peridot. In the faint light of oil lamps, the Peridot takes on a darker green color, more closely resembling Emeralds.

Gem Section Trivia:

What modern English expression comes from an ancient method of determining the purity of gold?

Thanks to all who helped make 2008 a great year for the Gem Section! Thanks to all who contributed and attended.

Here is a list of 2008 meeting hosts:

January	Kim Cochran
February	Barbara and George Libby
March	Martha and Leroy Brown
April	Kim Cochran
June	Marilyn Tarantino
July	Sue, Jay and Sarah Gorday
August	Gracia Evins
September	Anita Westlake
October	Nancy Marden
November	Mickey and Lizabeth McClain

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

- March 30th
- April 27th
- June 29th
- July 27th
- August 31st
- September 28th
- October 26th
- November 30th

Carl Ziglin,
Gem Section Chair
gems@gaminal.org



MEMBERSHIP

Georgia Mineral Society would like to welcome the following new members from December: Peggy, Greg, Daniel, and Stephen Eisenhauer of Atlanta, GA; Gerald and Jane Freeman and Timothy Craddock of Lilburn, GA; Jim, Marla, Taylor, and Jimmy Gray of Athens, GA; Morris Holmes and Janet, Lon, Elise, Brad, and Melissa Shuford of Cumming, GA; John, Carolyn, Michael, and William Jolly of Cumming, GA; Steven Kalvelage and Morgan Shipley of Conyers, GA; Brett Kellum and Jerrie Rojasles of Monroe, GA; Cindy, Matthew, and Andrew Lawrence of Kennesaw, GA; Judith Mann and Raven, Winter, and Chloe Botteron and James Mann of Winder, GA; Shannon, Susan, and Shanna Oldknow of Cumming, GA; Jennifer, Herb, Ashley, and Michael Sakhleh of Acworth, GA; and Sharon Varney-Thurman, Chris Foppiano, and Rachael Thurman of LaFayette, GA.

The following are new members from January: Mary Margaret Garrett of Clermont, GA; Dale Hayter, Jr. of Flowery Branch, GA; Jane Kelly and Roger Vandyke and Tiernan Vandyke of Atlanta, GA; and Jennifer, Sean, Shannah, Devin, and Riley Malone of Jefferson, GA.

It's great to have you join us. We look forward to meeting all of you soon.

Our current members are renewing at a steady pace. I appreciate your promptly letting me know of any changes to information. Let's keep it up! You may e-mail me at mgm5258@netzero.net or call me at 770-439-5756.

Happy rockhounding!
Lizabeth McClain
Executive Vice President



Mineral Section

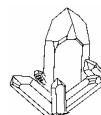
I would like to thank Anita for hosting our January Mineral Section. The topic for the evening was "Mineral Oddities". This is the same theme as the Tucson Show this year. Members brought plenty of "Odd" minerals to share with the group.

Tellus Northwest Georgia Science Museum had their Grand Opening on Monday, January 12th just before our meeting and there was plenty of pictures and discussion about the new museum.

Keep an eye out for details of the March meeting in the next *Tips and Trips*.

Once again, thanks to Anita for being a wonderful host for the mineral section in January.

Jay Gorday, GMS Mineral Section Chair



FEBRUARY 2009 BIRTHDAYS

- 2/2 Simon Lockhart
- 2/5 Gracia Evins
- 2/5 Andrew James
- 2/6 Josh Cormier
- 2/6 Chelsie Yamamoto
- 2/8 Cynthia Abbott
- 2/9 William Fleck
- 2/11 Mary Clark
- 2/11 Angela Scott
- 2/11 Terrie Sosebee
- 2/12 Noel Leitzman
- 2/13 Jimmy Herbert
- 2/14 Timothy Craddock
- 2/15 Carla Lewallyn
- 2/16 Vanessa Cormier
- 2/17 Ray Borders
- 2/17 Lura Smith
- 2/17 Lauren Wilhoite
- 2/18 Brandon Scruggs
- 2/19 Matthew Fincher
- 2/20 Tony Trentini
- 2/24 Mark Mallory
- 2/28 Linda Simms
- 2/29 Judith Mann



FEBRUARY 2009 ANNIVERSARIES

- 2/14 Jeanette and Olin Banks

Sunshine News

We extend our sympathy to the Yingst family on the loss of Harry Yingst of Marietta, a past fossil section chair of GMS who passed away December 3, 2008.

Kim has also informed me he was doing his Christmas visits and found out Dot Durden has cancer. Please keep her in your thoughts and prayers. Dot is a life member of GMS.

Olin and Jeanette Banks will be celebrating their 50th wedding anniversary in February.

Fellow members please help me to keep up with what's going on, I am new to this position and would appreciate any information concerning members that we can share. Thanks to Kim Cochran for helping me stay informed.

Linda Batcha

Fall Work Day

Please put on your calendar October for the workday and auction.

Kim



The 2009 Bulletin Contest and Rules

The forms have been filled out and mailed into the Southeast Federation. The GMS has had another good year for articles with a total of ten entries being entered this year.

This year's list of authors and articles include:

- Chris Lee – Rockus Collectralus / A Case Study – January 2008 T&T (junior member)
- Dave Babulski: The Spectroscope In Mineralogy – February 2008 T&T
- Tom Batcha: A Blast from the Past / The Iron Age of Bartow County – March 2008 T&T
- Anita Westlake: The Emory Science Olympiad Was A Rockin' Success - May 2008 T&T
- Jay Gorday: May Show Report – June 2008 T&T
- Dylan Porter: Frugal Storage Ideas – June 2008 T&T
- George Libby: Has the Field Trip been cancelled? – July 2008 T&T
- Lizabeth McClain – A Hannahatchee Adventure – October 2008 T&T
- Bill Waggener: December 2008 Presidents Message – December 2008 T&T
- Large Bulletin Entry – September 2008 Edition of Tips and Trips

If you are a member who is contemplating on writing an article these are a few items you will want to consider when writing the article.

Original Article Categories

These are the categories as shown on the Original Articles entry form:

- A. Informational (*How-to, historical, lapidary, hints, etc.*)
- B. Collecting localities, old or new (*Not travelogue*)
- C. Club activities/Member interests (*editorials, shows, judging, community/civic affairs, etc.*)
- D. Science (*mineralogy, geology, paleontology, etc.*)
- E. Humor (*must relate to hobby, but can be "fun" article*)

Contest Rules

ORIGINAL ARTICLES ALL CLASSES: One article is allowed per author. If published in several installments, only ONE part may be entered. Articles MUST be submitted as printed in the bulletin. Articles must be original, written expressly for the bulletin and related to the rock hound hobby. Minimum length of article is 250 words. Reports, (minutes, etc.) are not Original Articles and should not be entered.

POETRY: Original poems by adults or juniors may be submitted, only one poem is allowed per author. Poems must be original, written expressly for the bulletin, and related to the earth science hobby.

SPECIAL PUBLICATIONS: Are original "one time" publications, such as a work shop manual, field trip guide, show program (not flyer), club history or anniversary, etc. Clubs may have multiple entries in Special Publications if each entry covers a different subject area. Special Publications may be any length.

WRITTEN: This includes items (other than poems) in sentence form which add spice to a club bulletin, but do not necessarily follow the form of an article. They must be original and there is no length limitation. Possible entries would include humorous anecdotes president's column, shop hints, plays on mineral names, or special club contests. ONE article is allowed per author.

DRAWN: This includes puzzles that are made up of a form or shape (not word puzzles), cartoons, crystal structures (drawn by the author and incorporated in an original application). The drawn feature should have some accompanying description/heading to add to the originality, but the drawing predominates.

For more information see the website for contest rules.

Southeast Federation:

http://www.amfed.org/sfms/bulletin_contest.html

American Federation:

<http://www.amfed.org/news/contest/contest.htm>

I would like to again congratulate all of those who won awards in last year's contest. Our GMS membership received six awards in the Southeast Federation contest and four awards in American Federation contest.

The best of luck to this year's contestants and I would like to challenge all members to make it a goal to submit an article for this coming year.

Tom Batcha
GMS Editor



THE MICROMOUNT CORNER

BROCHANTITE

By: Dr. David Babulski

Greetings everyone from the micromount bench. This month we will look at the mineral Brochantite. Chemically Brochantite is a basic copper sulfate with a chemical formula of: $\text{Cu}_4(\text{SO}_4)(\text{OH})_6$. The mineral forms in rapidly oxidizing copper sulfide deposits under low acid conditions. The mineral was named after the French geologist and mineralogist, A.J. M. Brochant de Villiers (1772 – 1840). From a micromounter perspective, Brochantite offers some very esthetic specimens for the collection as it crystallizes primarily as micro-crystals. Although it is a fairly common mineral it's availability from mineral dealers is problematic. The best specimens I have are from the Broken Toe Mine, Camdelaria Hills, Rock Hill District, Esmeralda County, Nevada. With these specimens Brochantite occurs as several mineralization episodes on quartz matrix (See the photomicrographs with this article). The specimens were obtained from Simkev micromounts in Canada.

Brochantite crystallizes in the Monoclinic System with very pronounced 2/m prismatic symmetry. Crystals are stout prismatic to slender acicular in form. Additionally, Brochantite can form as loosely coherent vein fillings of acicular crystals and as massive dark green nodules. Color ranges from green-black through emerald green to a pale blue green in transmitted light. In short, very pretty crystals when strongly illuminated under the microscope.

Shown below are some photomicrographs of Brochantite taken with Kodak ASA 400 color print film with a Nikon N70 SLR camera fitted at an Edmund Scientific trinocular microscope using eyepiece projection. Exposure times were typically 4 seconds. Light source was dual white light emitting diodes.

Although good micromount specimens of Brochantite can be difficult to find, it is well worth the effort for the beauty they afford a collection. Until next time, may all your skies be blue and all your vugs filled with crystals.



Figure – 1 Brochantite from the Mammoth Mine, Bisbee, Arizona



Figure – 2 Brochantite from the Monarch Mine, Ouray County, Colorado



Figure – 3 Brochantite from the Broken Toe Mine, Camdelaria Hills, Rock Hill District, Esmeralda County, Nevada.



Figure – 4
 Brochantite from the Broken Toe Mine
 Camdelaria Hills, Rock Hill District
 Esmeralda County, Nevada

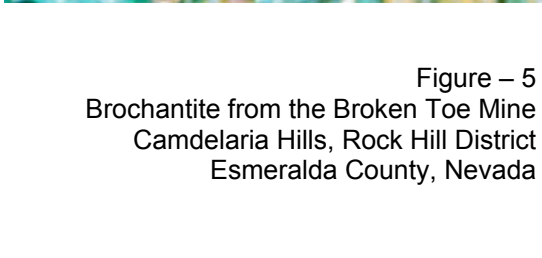


Figure – 5
 Brochantite from the Broken Toe Mine
 Camdelaria Hills, Rock Hill District
 Esmeralda County, Nevada

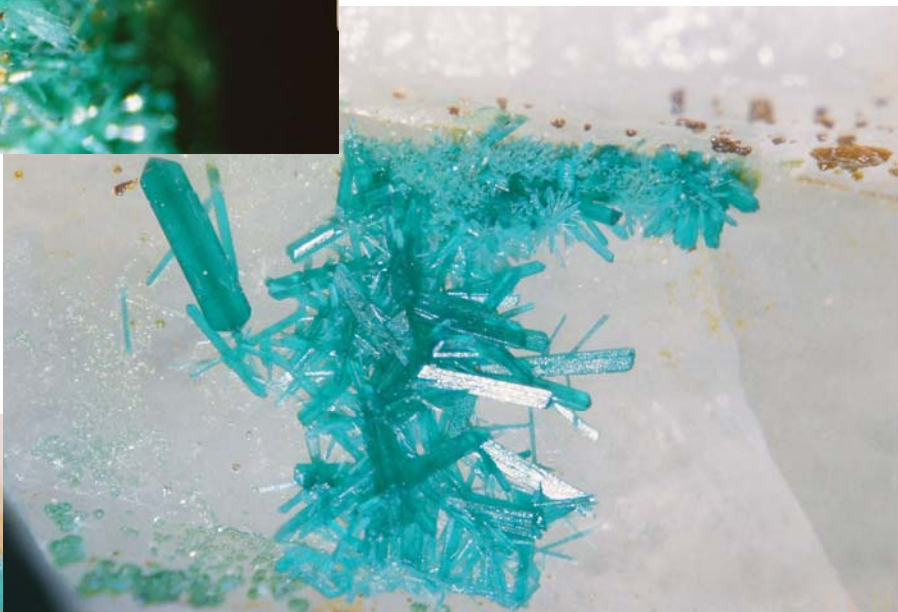
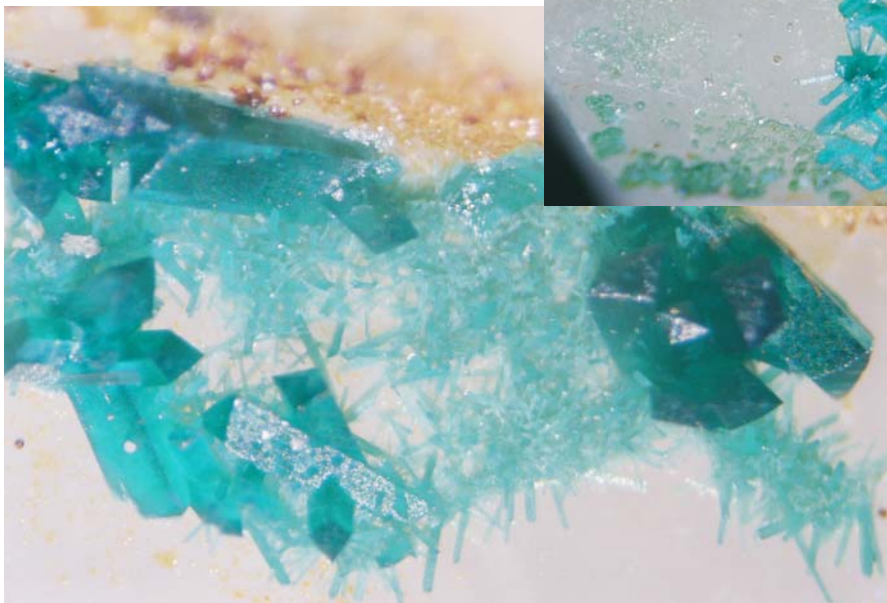


Figure – 6
 Brochantite from the Broken Toe Mine
 Camdelaria Hills, Rock Hill District
 Esmeralda County, Nevada



References:

<http://www.mindat.org/min-779.html>

Mason, B., Berry, L.G.; Elements of Mineralogy, Page 370, W.H. Freeman and Co., 1968

Dana, E. B., Ford, W. E.; Dana's textbook of Mineralogy, Page 756, John Wiley & Sons, Fourth Edition, 1966

Micromount Section

The next micromount section meeting will be Thursday February 19 at 7:00pm at Brookwood High School. Please RSVP if you plan to attend. The meeting place may be subject to change.

David Babulski
770-979-8331

The Georgia Mineral Society

January 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 Athens Rock and Gem
Club - Athens, GA (HOST)
An Official Field Trip of the GEORGIA MINERAL
SOCIETY

9:00 AM EST
Saturday, January 31, 2009
Diamond Hill Mine,
Antreville, Abbeville County, South Carolina

The Athens Rock and Gem club would like to extend an invitation to rockhound one of the premier quartz collecting localities in the southeast. This year saw a lot of digging with a power shovel which finally uncovered the Amethyst deposits that had eluded rockhounds for years. Most recently continued digging has unearthed dark, shiny museum quality smokey quartz as well as several new veins of the famous Diamond Hill skeletal quartz. Come join us!

Assembly Point: Diamond Hill Mine

Directions: The Diamond Hill Mine is located near the small town of Antreville in northeastern South Carolina.

From the north: Exit I-85 at US 178 at Anderson, SC (exit # 21). Drive south on US 178 for approx. 1 mile and then bear right onto SR 28. Follow SR 28 south approx. 20 miles to Antreville. Upon entering Antreville you will see Crawford's Store on the left. Drive past the store and then watch on the right for Emanuel Baptist Church. Turn right at the church onto SR 284. Drive east on SR 284 for 2.3 miles watching carefully on the right for Suber Road (S-01-508). Turn right onto Suber Road and follow it approx. 0.7 mile to Diamond Hill Road (on right, gravel, S-1-538). Turn right onto Diamond Hill Road and follow it about 0.5 miles. The mine entrance will be on the right.

From the south: Exit I-20 at US 221 (exit # 183) just east of Augusta, Georgia. Drive north on US 221 to McCormick, SC. In McCormick turn north onto SR 28. Continue north on SR 28 to Antreville (approx. 50 miles). About 2 miles south of Antreville, SR 184 enters SR 28 from the right (east). When you pass SR 184 start watching carefully on the left for Emanuel Baptist Church. Turn left at the church onto SR 284. Drive east on SR 284 for 2.3 miles watching carefully on the right for Suber Road (S-01-508). Turn right onto Suber Road and follow it approx. 0.7 mile to Diamond Hill Road (on right, gravel, S-1-538). Turn right onto Diamond Hill Road and follow it about 0.5 miles. The mine entrance will be on the right.

Fees: Adults = \$15/day Children under 16 year of age = \$6/day

Also, upon arrival, each participant will be required to sign a waiver of liability.

Other Essentials: Pick and shovel, rock hammer, chisels, and scratching tools. There is ample water on site for

screening and washing specimens. Bring a lunch, plenty of fluids, hat, gloves, and sturdy shoes. Bring rubber boots and a change of cloths if it is going to be a rainy or wet day.

Trip Chairman: Jim Maudsley
Phone: (706) 353-1792
e-mail: jamesm24@charter.net

"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
Field Trip

February 7th, 2009
Patty Construction Quarry

Summerville Lace Agate
Chattooga County, GA
10:00 AM EST

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

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

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


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

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

CONTACT: George Libby Field Trip Chair - Home: (770) 978-2117 E mail: Onsiteinatlanta@yahoo.com

February 2009

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

EVENTS

Southeastern Gem and Rock Shows

January 31-Feb 1--PANAMA CITY, FLORIDA: 18th annual show; Panama City Gem & Mineral Society; Bay County Fairgrounds, U.S. 98 (15th St.) 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@aol.com

Feb 13-15--MERRITT ISLAND, FLORIDA: 32nd annual show, "Symphony of Gemstones"; Central Brevard Rock & Gem Club; Kiwanis Island Park, 950 Kiwanis Park Rd.; Fri. 176, Sat. 105, Sun. 10-5; admission \$3; rough and cut gems, minerals, fine jewelry, equipment, supplies, books, beads, exhibits, demonstrations; contact LaVerne Dewey, 2175 Heron Dr., Merritt Island, FL 32952, (321) 453-5594; e-mail: bdewey@cfl.rr.com

Feb 21--AUBURNDALE, FLORIDA: 5th annual show and sale; Imperial Bone Valley Gem, Mineral & Fossil Society; Auburndale Beach Club, 321 Ramsgate Rd., on Lake Ariana; Sat. 10-5; free admission; children's Sand Box, demonstrations, raffle, silent auction; contact Jim Reed, 5740 Hebron Ln., Lakeland, FL 33812, (863) 644-6665; e-mail: rocks57@tampabay.rr.com; Web site: www.bonevalley.net

Georgia State Park Events

Geology Day Saturday, Feb 14, 2009 11 AM - 1 PM

Providence Canyon State Park - Lumpkin, GA

Providence Canyon is one of the great geographic wonders of the eastern United States. Join Professor Rich McWilliams of Thomas University in Thomasville, Ga. for a

closeup view of this most unusual state park. Pre-registration is required. \$3 parking. 229-838-6202.

Fernbank Museum of Natural History

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

On Exhibit:

Dinosaurs: Ancient Fossils, New Discoveries (*Opens Feb 14*)

Now Showing in IMAX:

Greatest Places

Mystic India (closes February 13)

Dinosaurs Alive! (opens February 14)

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

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

ADVERTISEMENTS

FOR SALE:

- Lortone MP-8/MP-8C arbor w/1/3 hp motor (cabbng machine)
- 4 unopened bottles of plating solutions (Gold, Silver & Rhodium)
- Small amounts of grits and finishing compounds
- 2 ring mandrels
- Various 14K gold & sterling silver jewelry findings
- Assorted small rock slabs for cabbng
- 7 Dealer table skirts (8 ft long), display stands, & cases
- Heavy-duty (large) rock trimmer
- Diamond tester
- Silk beading threads, beads, & findings, etc.
- Stereoscopes (1 polarizing with additional filters & light source; 1 plain light scope with fiber-optic light source)
- Rockquat (Larry Osterberger's formulation fossil cleaning fluid) - when this is gone, there will be no more.
- Etc., etc., etc.

For more details, contact C. Daniels @ 770.713.5412 after 6 P.M.

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

