



Jacksonville Gem and Mineral Society, Inc.

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Jacksonville Gem & Mineral Society

AFFILIATED WITH



WINNER- SFMS
Small Bulletin
1st Place 2001,
2006
2nd Place 1999,
2000, 2003

AFMS
Honorable
Mention 1999,
2001, 2003
4th Place 2006

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Mailing address:
JGMS
6653 Powers Ave, Suite 132
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Meeting Place: First Thursday of every month
Riverside Avenue Christian Church
2841 Riverside Avenue
Jacksonville, FL 32205

Dues: \$20.00/yr Individual

\$30.00/yr Family

Purpose: The purpose and objective of this corporation is to stimulate interest in rocks and minerals for furtherance of the activities of the members of this society in the earth sciences; to disseminate knowledge, methods and procedures for the collection, identification, cutting, polishing, setting and mounting of specimens for these activities: to promote good fellowship, proper ethics and conduct in the relationship of the members with each other and with the members of other Earth science societies in pursuit of these activities.

Officers and Committee Members of the Southeast Federation of Mineralogical Societies, Inc. or American Federation:

Jim Robinson SFMS Past President, Canceled Stamp Chairman, Past AFMS Regional Vice President, Past AFMS President
Barbara Tuttle Mayo Education Foundation Past Director. Barbara, Director of Wild Acres 2005 SFMS Weeks
Dianne Johnson SFMS Uniform Rules Committee Chair 2006, 2007, 2008
Ed Johnson SFMS Bulletin Contest chair 2007, 2008

Bring canceled stamps to the meetings to support the Federation program providing scholarships to Federation workshops at William Holland in Young Harris, Georgia, or at Wild Acres in North Carolina. For every 100 stamps, your name goes into a drawing for a chance to win a scholarship.

Working at club function earns points toward a chance to win a scholarship to William Holland, Stewart and Shirley Roberts Award is for JGMS members with less than 2 years membership. The Bill and Maurine Meadows Award is for JGMS members with over 2 years membership.

JGMS Website <http://www.jaxgemandmineral.org/>

PRESIDENT'S MESSAGE



Presidents Message

Who called for the rain? The June Tail Gating was a wash, but there's still July and August! So get your stuff together for next months Tail Gating in the parking lot starting at 6:00 PM before the next meeting on July 2nd.

There were a lot of young people at the June meeting. So many juniors that we ran out of door prizes for them. Not to fear, I donated items from my show-n-tell from out west. Don't you wish you were one of the lucky kids! So remember to bring in extra junior door prizes the next time you sign up for refreshments. Or even if you don't bring in refreshments, do remember to bring in extra door prizes for the juniors.

July's program will be the second bi-annual silent auction. All members are strongly encouraged to bring donation items for the event. Rocks, gems, minerals, beads, jewelry, supplies, tools, equipment, books, and magazines, anything you think would be of interest to someone else. Proceeds support the operating expenses, about a third of our annual budget. Yes there will be some cool material from the Hamilton trip up for bid.

I'd like to recognize one of our new members for becoming involved and taking over the JGMS Library. Jerry Opal had been a JGMS member for a very short time but agreed to run the library when we were all desperate for a new committee member to run it. I've had the pleasure of talking with Jerry many times and his ideas for jump starting a renewed interest in the library are just what are needed. I would like everyone to take the opportunity to meet with Jerry and spend time getting to know him. I feel confident that Jerry will be letting us all know more about the benefits offered from our library and making it more utilized as a tool and media source for us all.

Welcome aboard Jerry!

Respectfully, Jason Hamilton

EDITORS PEBBLES



We are all very sad at the passing of Ed Johnson. He was a major part of this club for many years, as president, as teacher, as friend. He will be missed.

Hope you all noticed the new feature this month - BOOK OF THE MONTH. by Jerry Opal. He is our new library chairman and has started out with a bang. Looking forward to seeing many more reviews of items we have in the library.

I apologize for the various size type through out this issue. Somehow things just didn't seem to fit. Didn't want to scrunch some items down to small. In other places there were not enough small things to fill the space. Did the best I could.

We were all set for the tail gating 1st Thursday. Dang the rain. Guess we will have to bring everything back for next month.

Hope you are all looking forward to a wonderful summer.

Chuck Sederholm

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MINUTES FOR THE JUNE 09 MONTHLY MEETING.

Monthly meeting of the Jacksonville Gem and Mineral Society was held at the Riverside Christian Church, 2811 Riverside Ave., Jacksonville, Florida on June 4, 2009. President Jason Hamilton opened the meeting at 7:30 p.m.

PLEDGE OF ALLIGENCE: Pledge of Allegiance was lead by John Owen.

WELCOME GUESTS: Guests were welcomed.

YOUTH GROUP: Youth group was dismissed.

MINUTES: Minutes were accepted as presented in the newsletter seconded and approved.

TREASURER REPORT (Harriet Rose): \$1106 deposits, \$1452 expenses.

MEMBERSHIP (Karyn and Jeff Bee): 4 new family members, 3 guests.

MEETINGS: Show meeting June 11 at 7 pm. Ways and Means meeting June 18 at 6 pm. Board meeting June 18 at 7 pm. All meetings held at workshop.

SOCIAL CONCERS (Amy Johnson and Mary Lou Roberts): Mary Lou's older sister passed away. Ed Johnson passed away on Sunday May 24. His memorial service was Friday May 29.

FAIR & EXHIBITS (Craig Hamilton): I encourage all to continue to work on your exhibits for the fall show. Please sign up for the Show Exhibits.

CLUB SHOW (Tom Frame) Advertisement space is available next month for the Flyer for the Fall Show. Space will be \$35 per ad. All businesses are encouraged to donate for space.

PUBLICATIONS (Chuck Sederholm): Articles for newsletter are coming in, keeping them coming.

FIELD TRIPS (Jeff Bee): Field trip to Forsythe, NC on 13 June. Field trip will be to LaGrange, Georgia on July 4th weekend. Check web page for more info.

REFRESHMENTS (Francis Siver): Sign up for refreshments and bring door prizes. Happy Birthday to all May and June members. Ice Cream social to be held after meeting.

EDUCATION (Jacki Jordan): Class sign up will be at the end of the meeting. New Instructor for polymer clay. Credit cards are now being used for class fees. \$3 charge will be added for processing.

WORKSHOP (Doug Kryszak): Cabbing machine #3 is running hot. A/C can be left on overnight when having classes back to back. Please set the temp at 74 or above for overnight. Also instructors may come in early to reset the A.C to allow workshop time to cool down prior to class.

SCHOLARSHIPS (Linn Dew): Mayo scholarship container is on back table for donations.

LIBRARY (Jerry Opel): Library is inventoried and updated. Library requests any flyers or pamphlets from digs or sights visited to be donated to library for use by other members.

CANCELLED STAMPS (Carla Johnson): Stamps program is still active, bring in your stamps.

COMMUNICATIONS (Jim Robinson): No report

OLD BUSINESS: Fall picnic is October 10 at Lake Fretwell, Cecil Field. Pavilions 113 and 114 from 9 to 4 pm Flyer will be available Sept and Oct meeting. Tailgating is June, July and August from 6 to 7 pm in church parking lot.

NEW BUSINESS: SFMS bi-annual meeting will be June 20 at William Holland. Anyone interested in attending let Jason know. July meeting will be silent auction. All members are encouraged to bring in items for the auction, rocks, gems, tools, supplies, buckets, storage containers, books, magazine, etc.

PROGRAM: ice Cream social.

SHOW AND TELL: Lois Fitz Patrick, Susan Scheibe, Kathy Wright, Linda Weinstein, Craig Hamilton, Jason Hamilton, and Peter Chu all shared their wonders with us.

DOOR PRIZES: were given out to juniors and adults. Peter Chu donated adult gifts. Thank you Peter.

MEETING ADJOURNED: The meeting was adjourned and all members were invited to enjoy refreshments. Clean up and put chairs away.

RESPECTFULLY SUBMITTED Cindy Cascini



Honoring and Remembering Ed Johnson

Our society has seen its share of losing really good people. Last month we lost another pillar from our society but one that left a solid foundation from which to grow. Ed Johnson passed away on May 26th. For those of you that knew him, you're one of the lucky ones. Ed was the quiet type, until he got to know you. Then you'd find out what he had to offer. For me he was a mentor and guide into our Gem and Mineral Society. Ed was a giver, the type that would work with you until the job got done.

I will forever be grateful for his direction and teachings. Sure, he taught me how to cab, slab and facet. But he also taught me about being apart of the great gem and mineral society we all share and the circles of friendship that follow. Ed was passionate about the lapidary arts but mostly about our gem and mineral society. He furthered this interest with the regional gem and mineral association. He truly understood the importance of furthering the gem and mineral society and it's involvement in our community and in our region. He always put other's needs first and looked out for those that were in need.

If I learned nothing from our relationship but his will to better our organization, I would have only achieved a small part of how great of an influence and importance he was to us all. My greatest honor was being approached by Ed with the opportunity to lead with him as vice president of our society. My hope is that I fulfill his expectations and his desires for the direction and further growth and strength of our society.

Thank you Ed Johnson, until we meet again, you will be remembered, honored and cherished.

In your memory, Jason Hamilton

What's new in Membership

June kicks off another month with some tremendous growth in our Junior membership. We have over 50 active junior members at this time. Way to go, Juniors! Our five new families for the month of June are:

Jeff and Joy Atkinson
Clay and Dannah Fritz, and Noah Hague
Christopher and Denise Bennewith, and Jonathan & Sarah
Mark Rogers and Wanda Johnston, with Judy Danko
John and Heather Owen, and Jessica & John

Welcome to all our new families! And remember, if you see a face you don't know, introduce yourself!

Have a great month,
Jeff and Karyn Bee

June Birthdays

1st Jonathan Bunnewith	1st Jason Hamilton
2nd India Hendley	2nd Sarah Hamilton
3rd Karyn Bee	3rd Tommy Shaw
4th Ron Shacter	5th Jean Singletary
5th Zakery Bee	6th Jeff Bee
7th John Trifeletti	12th Kellie Metzen
12th Jacob Morgan	13th Wayne Oesterreich
17th Matthew Cecil	18th Karen Boger
20th David Shacter	22nd Robert White
22nd Cheryl Poland	23rd Francis Shaw
23rd Carrie Schultz	25th Paula Pierce
26th Leila Quinlan	26th Michelle Pisula
26th Judy Danko	28th Patricia Hinkle
28th Jerry Oppel	28th Marlene Miller
29th Sandra Morgan	

BOOK OF THE MONTH

By Jerry Opal

Fossils Magazine

This magazine contains some great articles, from medicine to cowboys and Indians, sprinkled with a dash of geology for flavor. The stories are packed full of usefull information. However I am sad to say the first forty-six pages are missing, yet the remainder of the magazine is still worth reading. I truly enjoyed reading about how the different fossils and minerals were used at one time for healing the sick and ailing. This gave me pause as to wonder what medicinal marvels "folk medicine" we are using today that will become a myth in the future.

During the middle ages fossilized sharks teeth, called Glossopetrae, were believed to have fallen from the moon during an eclipse. It was also believed that St. Paul turned a snakes tongue into stone. Thus the shark teeth would help prevent snake bites. All you had to do was wear it in a ring with part of the tooth touching your skin and it would ward off snakes. My favorite was concerning the unicorn horn. The unicorn horn (alicorn) was used for a variety of aliments and helped in the detection of poison. There is also a brief history concerning the beginning of the unicorn. Because the horns were bringing in large amounts of money people started to call just about every straight horn an alicorn. Even fishermen became ensnared in finding alicorn. However where they caught theirs was from the male narwhal.

If you would like to learn about collecting trilobites in North America, this is a good article. It talks about the different species and their location. There is even a mention of how much we have in common with Europe other than just our ancestors.

For the rock hounds who enjoy collecting more than just minerals and rocks, there are some truly great pictures of dinosaur stamps.

Anyone who enjoys reading Louis L' Amour will enjoy reading the last article. An autobiography about Charles Hazelius Sternberg. He was born around 1850 and spent sixty years of his life exploring and looking for fossils west of the Mississippi river. He begins telling his story in Kansas and describes what life was like digging in an unexplored region. He tells of a close encounter with chief Crazy Horse, who was on his way to join Chief Sitting Bull. Sounds exciting!

Stop by the library and check it out. We are located behind the new members check in table. There are many more books for your reading pleasure.

Mineral of the Month Andalusite

By Wayne Oesterreich

Name: Andalusite

Chemistry: Al_2SiO_5 , Aluminum Silicate

Crystal: Orthorhombic (Large size gem quality crystals are rare.)

Color: Strong pleochroism one axis/yellow-olive other axis/brown-red

Refractive Index: 1.63 - 1.648

Birefraction: 0.006

Hardness: 7.5 (gem quality)

Specific Gravity: 3.12 - 3.18

Fracture: conchoidal

Cleavage: Imperfect

Environment: Found in pegmatites, gneiss, hydrothermal deposits, and gem gravel

Association: Quartz, Muscovite, Microcline, Cordierite, Topaz

Locals: | Brazil | Sri Lanka | Canada | Spain |

Misc: The name is from a region in Spain (Andalucia), it is one member of three minerals with the same composition, andalusite, sillmanite, and kyanite.

Gem info: It is mainly a collector's item, and has not seen wide use in the jewelry trade, there is another variety called chiastolite that forms long prismatic crystals with a black cross in its cross section. The name comes from the Greek "chiastos" meaning "X-marked". It was used as an amulet by early Christians

Misnomers: Poor man's Alexandrite

Typical Size: 1 to 10 carats

Information gathered from GIA Gem Reference Guide



Glendon Quarry '09

By Melissa Siver
Junior JGMS Member

In the April of 2009, my family and I went on a SFMS-sponsored field trip to the Glendon Pyrophyllite Mine to dig for pyrite, fluorite, and other minerals. Everyone attending was required to pre-register for this trip and only 150 people from across the southeast were allowed to participate. Most of us uncovered several large, well-formed cubes of pyrite, while others found stunning fluorite crystals.

The Glendon Pyrophyllite Mine is an open-pit mine located in the hilly piedmont region of North Carolina. The geology of this area is primarily composed of igneous and metamorphic rock, with very few sedimentary intrusions. Although the mine is a pyrophyllite mine, no less than eleven different minerals have been found here in varying quantities. The most common minerals are pyrophyllite, quartz, pyrite, and fluorite. The other minerals that are collected in smaller quantities include: cacoxenite, epidote, hematite, Ilmenite, lazulite, magnetite, and ottrelite.

In the quarry, pyrite was the most commonly collected mineral. We dug cubes out of the pit walls as well as on the tops of dirt mounds by using hammers, chisels, and shovels. Many people removed larger crystals from the bedrock by using sledgehammers and chisels. We picked up several smaller, perfectly-formed specimens of pyrite off the top of the soil. The largest pyrite crystal I discovered measured around 2"x2" inches wide and was in matrix. The president of our club (the Jacksonville Gem and Mineral Society), Jason Hamilton, found a rock with a near perfect 2.5" x 2.5" cube of pyrite jutting out from its sides.

Fluorite was another popularly mined mineral. Several rockhounds found fluorite specimens imbedded in a white quartz matrix. The fluorite crystals were liberated from the quartz boulders using hammers, chisels, and small sledgehammers. During the dig, one man discovered many large, beautiful purple-blue fluorite crystal pockets in a huge white quartz boulder. These crystals were rumored to be the largest fluorite samples ever found in this mine.

This was a rare opportunity to collect pyrite and fluorite samples from the Glendon Pyrophyllite Mine. For any collector, young and old, this dig is both a fun and productive. Everyone will bring a prize home. I really enjoyed collecting minerals from this site as well as meeting other members of the SFMS.

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DMC Program of the SFMS Field Trip Committee
An Official Field Trip of The Forsyth County Gem & Mineral Club
8:00 am -12:00, Saturday, June 13, 2009
Vulcan Materials Company's Morganton Quarry
Morganton, Burk County, N.C.

TRIP: Vulcan Materials Company's Morganton Quarry

COLLECTING: This quarry has several rock types, which include augen gneiss, chlorite biotite gneiss, amphibolite, and pegmatite. The following collectable minerals have been found at this location: garnet, golden beryl, black tourmaline, apatite, sphene, feldspar, biotite and muscovite books, and siderite. The majority of these minerals are found in the pegmatite zones. Garnets are almandine variety and have been found up to silver dollar size. However, the majority of them are 1/8" to 1/4" in diameter imbedded in the pegmatite.

CHILDREN: Over 12 years old can attend if supervised closely by parent or guardian. Must wear appropriate safety gear. **No Pets**

SPECIAL CONDITIONS This is an operating mine. All persons attending the field trip will be required to sign a hold harmless agreement, take 15 minute hazardous training, and wear the required safety gear at all times. This includes a hard hat, safety glasses, and steel-toed boots. We will meet at the quarry office at 8 a.m., sign releases, receive instructions on boundaries and safety, and be led into the collecting area. We must leave the quarry by 12 noon! In addition, all persons are asked to stay away from the quarry walls. There is plenty of material loose on the quarry floor. **VEHICLES WILL BE PERMITTED INSIDE THE QUARRY ON THIS TRIP** and parked until leaving.

BRING: Hard hat, safety glasses, rock hammer, and something to carry and wrap samples.

DIRECTIONS We will meet at the quarry at 8:00 am and be allowed to collect until 12:00. Quarry's phone number: **(828)437-2616**. From Interstate 40, take Highway 18 North at exit 105. At the fourth traffic light, turn right on Fleming Drive. Continue to end of road at Route 64/70 (dead end at Bi-Lo Food Store). Turn left on Route 64/70, travel under the railroad bridge. Immediately after crossing under bridge, at the Viscotec plant, turn right on Kirksey Drive. Make another right on Quarry Road. Quarry entrance is 1/4 mile off Quarry Road.

Vulcan Materials Company

Causby Quarry Road

Morganton, NC 28655

DRIVE TIME: This location is approximately a 1-1/2 hour drive from Winston-Salem, NC.

CONTACT: Jim Stroud, if you have any questions concerning the fieldtrip.

phone: 336-744-2940

e-mail address: stroudj@vmcmail.com

mail address: PO Box 4239 Winston-Salem, NC 27115

"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 is a program of the Field Trip Committee of the S E Federation of Mineralogical Societies, Inc.

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"Earth first...we'll collect on the other planets later."

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JULY DMC Program of the SFMS Field Trip Committee

An Official Field Trip of the Mobile Rock and Gem Society, Mobile, Alabama and
The Forsyth Gem and Mineral Club

HOGG MINE, LAGRANGE, GEORGIA - FEE SITE

Friday, July 3, Saturday July 4 & Sunday, July 5, 2009

WHERE: The Famous Hogg Mine and the Quartz Crystal Mine outside LaGrange, in Troup County, GA

WHEN: Friday July 3, 2009 at the Crystal Mine. Campers and vendors set up at the Hogg Mine but there will be no digging there. Saturday July 4, 2009 at Hogg Mine. Sunday July 5, 2009 at Crystal Mine.

COLLECTING: On July 3rd and July 5th, there will be digs at the Quartz Crystal Mine for crystals. (some that rival Arkansas in quality) There will be a backhoe digging there prior to Friday and Sunday digs, exposing new material. On July 4th, there will a Rock Swap and dig at the Hogg Mine for star rose quartz, aquamarine and tourmaline. A backhoe on site will be doing some digging just prior to the event.

TIME: Sign-in is from 9:00 to 10:00 at Smiths Comer Store, 1231 Bartley Road, LaGrange, GA 30233 each morning to sign release, pay fee and get the ticket which is necessary to get through the gate. (DO NOT GO DIRECTLY TO MINE - MUST HAVE TICKET).

FEE: Adults - Discounted price of \$17.00 each day. Children under 18 are free.

DIRECTIONS: From Exit 13 on I-85 in LaGrange, GA, go south approximately 2.2 miles on Hwy 219, also called Whitesville Road. We will be meeting at Smith's Comer Store, (The CITGO on the Left) 1231 Bartley Road, at the intersection at Whitesville Rd. and Bartley Road, to sign in.

WHAT TO BRING: Pick, shovel, rock hammer, chisels, scratching tools, screen, buckets, gloves, and of course plenty of water, but extra clothes and boots might be useful if it's muddy.

GENERAL INFORMATION: There is a Port-a- Potty on site. Delicious BBQ plates, drinks and ice cream will be for sale. On July 4th, vendors will be set up selling minerals and anyone interested in setting up a table, tent or booth or tailgating is welcome to do so at no additional charge. Campers and vendors can set up on Friday, July 3rd at the Hogg Mine but there will be no digging at the Hogg Mine on Friday. The Quartz Crystal Mine will be open that day and anyone who gets in early can do some digging there by contacting Rodney Moore by email atsi02ga@bellsouth.net. To arrange for free camping at the Hogg Mine, contact Rodney Moore by email at si02ga@bellsouth.net. Visit www.digforcrystals.com for directions, map, pictures, and to have any questions answered about camper access, pets, etc.

WHERE TO STAY: Nearby LaGrange, GA offers many hotel choices. We can get a special daily rate of \$49.50 a room for two people at the Days Inn on Hwy 219, about two miles from the meeting place. Their telephone number is 706-882-8881. Just mention that you're going on the field trip to the Hogg Mine. Local state parks offer a full range of camping options and there are also private campgrounds in the area.

CONTACTS: The site manager is Rodney Moore. Please follow the Code of Ethics to preserve our relationship with our host.

Trip Chairman: Larry Landry maryloulandry@aol.com or 251-653-8459 or 251-591-5682

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Jacksonville Gem & Mineral Society Class Schedule

JUNE 2009						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4 Club Meeting 7:00 PM	5	6
7	8 Beginning Silver Hamilton 6:00 - 9:00	9 Beginning Silver Hamilton 6:00 - 9:00	10 Beginning Silver Hamilton 6:00 - 9:00 Show Meeting 7:00	11 Chain Bead Ashley 6:30 - 9:30	12	13
14	15 Open Silver Jacobs 6:00 - 9:00	16 Open Silver Jacobs 6:00 - 9:00	17 Open Silver Jacobs 6:00 - 9:00	18 Ways and Means 6:00 - 7:00 Board Meeting 7:30	19	20 Lampworking Sederholm 1:00 - 4:00 Euro 4 in 1 Ellis 9:30 - 2:30
21 Lampworking Sederholm 1:00 - 4:00 Basic Beading Jordan 1:00 - 5:00	22	23 Open Cabbing Mattison 6:30 - 9:30	24	25 Open Cabbing Mattison 6:30 - 9:30	26	27 Wire Wrap Brown 9:30 - 2:30
28 Beginners Polymer Clay Floyd 2:00 - 6:00 Open Cabbing Jordan 2:00 - 6:00	29 Inlay Silver Ring Hamilton 6:00 - 9:00	30 Inlay Silver Ring Hamilton 6:00 - 9:00	1 Inlay Silver Ring Hamilton 6:00 - 9:00	2 Club Meeting 7:00 Tail Gating 6:00 - 7:00	3	4

TEACHERS' PHONE NUMBERS

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 SEDERHOLM 992-7162

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 MATTISON 388-0409