

GEM & MINERAL JOURNAL

AUGUST 2013

VOLUME 22~ ISSUE 8

Official Monthly
Publication of the Gem &
Mineral Society of
Lynchburg, VA, Inc

WWW.LYNCHBURGROCKCLUB.ORG

Presidents Message

Hello To All,

There was a lot of material covered at the July 17 meeting. We announced the purchase of two specimen collections with lapidary equipment included. The collection of William & Jocelyn Willoughby, which spanned a number of decades, and the partial collection of Joe Moore, both of Wytheville, VA. Some nine truck loads of goodies is being stored at the Club's workshop, at Dave Callahans, where beginning August 10th all interested members are invited to help go through and sort the material into categories of like slab material, cabbing rough, specimens for the silent auction as well as for the Club's November Auction. There are a number of flats of thin sliced material, that was planned for making rock lamp shades that should be sorted by color and like material. The most time consuming project will be viewing and identifying the some 300 fluorescent mineral specimens to be used by the Club in the Roanoke Gem & Mineral Show fluorescent room display. At least now we won't have to go looking for specimens to fill our 24 feet of display cases. Dave Woolley will be in the lead on the fluorescent mineral cleaning and labeling. If you

want to have a crash course in mineral identification as well as handle some rare specimens of turquoise, petrified wood, fossils etc, come on out and join us on August 10th at the work shop. Several more days of sorting and cleaning will be announced at the August 21 meeting.

The Club also voted to participate in the Jefferson Choral Society Holiday Bazaar, on Nov 23rd at the #715 Moose Lodge on Lakeside Drive in Lynchburg. More details for this at upcoming meetings. There was also a motion to purchase special copies of the Diamond Dan Publications of mineral activity books. The Club will receive for free a PDF file with permission to print up to 500 copies of the book "World Of Minerals" that we can use for Rock Raider meetings or sell at the Festivals for a nominal price, to encourage new collectors and those interested in all phases of rock collecting.

The Club was contacted by the College of New Jersey, to help in conducting a geological experiment, MAGIC, Mid-Atlantic Geophysical Integrative Collaboration. MAGIC involves the installation of 28 seismometers, and is part of national Earthscope project. Our own Mary DeViney has been chosen to

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From the First V.P.

No article submitted

Help Needed: Someone to create a flyer for our upcoming auction. If interested, contact John Haskins ASAP for details.



July Meeting Minutes

Meeting-Wednesday July 17, 7:00 PM

Attendance- 36 members and 3 guests

Host- Not reported

On Time Drawing- Winners were: Joe McAnney, Ann McAnney, Sharon Lester, Sherry Shields, Sarah Jones, Greg Lester, Thom Noble.

Old Business- John Haskins: The Oklahoma couple has received our shipment but no mention of sending any Oklahoma rocks to us. Mary Loose DeViney and Al DeHart have been contacted by students from the College of New Jersey looking to place a seismic recorder. Our club will take on a craft show on November 23rd, as well as the Roanoke show over Thanksgiving weekend and the Apple Festival in October. The club will be looking into making a purchase from Diamond Dan for some educational activity books. Thom Noble talked about the survey results- Only 36% were returned. Results will be discussed at the Executive Board Meeting.

V.P.- Jack Curtin: Is looking forward to reviewing some of the suggestions from surveys for topics to present.

Second V.P.- Dave Callahan: Field Trips: 7/27-Enterprise Mine in Appomattox; 7/28- DMC Trip to Summerfield GA; 7/26-28-Franklin NC shows and trips; 8/2-8/4- Spruce Pine, NC Trips and Shows; 9/28- Willis Mountain Field Trip.

Treasurers Report- Balance \$4,780.49.

New Business: None reported.

Program: Dr. Lenhart speaking on his trip to Hawaii.

Minutes submitted by

Linda Noble, Secretary.



2013 ELECTED OFFICERS

PRESIDENT - John Haskins
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JMhaskins1@netzero.net

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Treasurer - Frank Midkiff
(434) 660-1565
midkiff@aol.com

Members At Large-
Bernardino Rivera &
Tony Shields

COMMITTEE CHAIR PERSONS:

Field Trips- David Callahan
Hospitality- Monthly Volunteers
News Articles- Natalie Darling
Silent Auction- Warren Darling
Swap for Rocks- Warren Darling
Website- Casper Voogt
Workshops- Dave Callahan
FRA Adult Liaison- OPEN
Membership- Thom Noble



PROGRAMS

EXTRA, EXTRA, READ ALL ABOUT IT !!!

The GMSL has started a new member led Mineral Identification program, to be a 5-10 minute presentation at the Society meeting with a different mineral topic each month.

Presenters may choose anything from Quartz to Beryl. A copy of basic information may be chosen from our files and the member can add any information of their choosing. We ask that you make 20-25 copies to be handed out before the presentation, which can be placed in a note book or file for future reference by the members. Sample specimens would be a nice addition for viewing. If the presenter needs more specimens for display contact Dave Callahan or John Haskins. We or the Club's stock of minerals should be sufficient if your mineral choice is not too exotic. We already have Sherry Shields signed up for September 18th meeting for Kyanite, Cindy Mitchell at the October 16th meeting on Epidote and Noel Weller-Woolley on Turquoise at the December 18th Christmas Dinner meeting. This is a great start to a new way of presenting minerals to the Club along with, I hope, some interesting collecting stories. Remember to keep all literature from these presentations for a good reference for minerals and where they may be found. The signup sheet will be available at each Society meeting, take a look at the list of material, we need member presentations all through 2014.

Thanks For Your Support,
John Haskins

For our July meeting, Dr Lenhart gave a presentation on his trip to Hawaii. No information available yet on the program for our August meeting. Please join us on Wednesday, Aug. 21, at 7:00 PM.



Bench Tips by Brad Smith

More Bench Tips by Brad Smith are at:
[groups.yahoo.com/group/Bench Tips/](http://groups.yahoo.com/group/Bench%20Tips/)
or [facebook.com/Bench Tips](http://facebook.com/Bench%20Tips)

FOREDOM MAINTENANCE

If you have a Foredom flexshaft, it makes sense to check it over every so often to be sure it's running properly. But how to do that? You've probably lost the little booklet that came with the unit. Well, being the good company it is, Foredom has put together an extensive set of videos on how to do it.

The series covers set-up, lubrication, replacing a sheath, motor maintenance, and handpiece maintenance. Few if any special tools are needed. You can watch the videos at www.foredom.net/videolibrary.aspx and repair parts are available from most jewelry supply catalogs.

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FIELD TRIP REPORT..

2nd VP Report

Past Field Trip

**The Enterprise Manganese Mines
Appomattox County, VA.
July 27, 2013**

The weather was a bit iffy this morning but we were spared but for a very slight drizzle late in the day that was over almost before it started. We were in clear and sunny skies most of the day. We ended up with 17 people and I am sure that the gloomy forecast must have deterred those that chose not to attend.

There were many positive property and road improvements since my last visit maybe 8 years ago. We could only drive four wheel drive vehicles down the mine road because of rain the day before and early Saturday morning. There was a small parking area at the bottom of the hill and room for one or two trucks to park adjacent to the mining area half way up the hill. Thom used his truck to carry all our tools and buckets while we walked. There were vast areas for collecting, many of which were overgrown and covered with leaf matter. We scattered thru the woods and lit into likely piles of ore. Several of us found, hiding in the large ore boulders, some beautiful pockets filled with small beautiful crystals. Some were manganite and others were small quartz crystals covered with black manganese or brown limonite coating that was very stunning under a 10 power loupe. There were other small crystals in vugs but we will strive to determine an identity for these.

We departed in the late afternoon, tired, dirty and very pleased with our finds. We all look forward to a return visit next year or perhaps again this fall if there is sufficient interest.

Contact

Information for Field Trips

**David Callahan,
Field Trip Chairman
Home phone: 540-297-1853
Cell Phone- 540-874-5201
E-mail dbc11@aol.com**

*(This August field trip will be reviewed in the
September Newsletter)*

**OUR OFFICIAL 9th ANNUAL MINERAL
COLLECTING FIELD TRIP AND GEM
SHOW WEEKEND**

**The Gem & Mineral Society of Lynchburg,
VA. Inc.**

**The Roanoke Valley Mineral & Gem Society,
Inc.**

**and our field trip friends
Georgia Mineral Society, Inc.**

(This will be a go-on-your-own trip)

**56th Annual North Carolina Mineral and Gem
Fest**

August 1st thru August 4th, 2013

Spruce Pine, NC.

----and----

**The 29th Annual Grassy Creek Mineral and
Gem Show**

July 27th thru August 5th, 2013

Spruce Pine, NC.



UP COMING FIELD TRIPS

OFFICIAL COMBINED MINERAL COLLECTING FIELD TRIP THE GEM AND MINERAL SOCIETY OF LYNCHBURG, VA INC. (HOST) & THE ROANOKE VALLEY MINERAL AND GEM SOCIETY INC. (HOST)

An official Field trip of the (enter your club's name here)
KYANITE MINING CORP. ----- ANNUAL FIELD TRIP

WILLIS MOUNTAIN KYANITE MINE

If the mine is working, we may have to limit
our collecting areas

SEPTEMBER 28, 2013

9:00AM to 1 PM

Sign-up is required, call me, email me or sign-up at the meeting.

All club field trip leaders send me a list of your total collectors so that I can compile a list and forward to the mine management by 9-26-13. There is a total limit of 100 collectors from all clubs for this event so there should be room for everyone.

SAFETY: Everyone should arrive at the office parking lot between 8:30AM and no later than 8:45AM for the required safety briefing. Each Club field trip leader, or his appointed replacement, will act as safety observer and will be expected to be on the lookout for and correct all safety infractions from any collector. Keep in mind that this site is one of the few that is still open for collecting. **Not obeying all the safety rules will cause this site to be closed to all future collecting.**

DRIVING FROM THE ROANOKE AND LYNCHBURG AREA: From Roanoke, follow US 460 East to Lynchburg, to the Sheets Station on US 460 and Rt. 811 in New London. Continue on the US 460 East by-pass around Lynchburg thru Appomattox and take Rt. 24 North to the end at US 60 at Mt. Rush. Continue on US 60 East to Sprouses Corner. Turn right on US 15 South and drive 4 miles to Willis Mt. Plant Road. Turn left and stop at the

stone mine office and park out of the way as not to block traffic. Allow 1 ¼ minimum hour driving time from New London west of Lynchburg.

GENERAL LOCATION and ASSEMBLY

TIME: Everyone will meet at the mine office for sign-in and safety instruction, be there between 8:30 and no later than 8:45am. The mine is located north of Farmville, Va. On Rt. 15 North. Proceed from US 460 North on Rt. 15 for a little over 12 miles to Willis Mt. Plant Rd. The stone mine office on the right. If you approach from Rt. 60 at Sprouses Corner, then go south on Rt. 15 for 4 miles to Willis Mt. Plant Rd. and the office will be on your left. Wait in the parking lot and do not block traffic. Many trucks may be using the road. While you're waiting, be sure to enjoy the beautiful blue kyanite bolder in the front yard from the old closed Baker Mountain.

COLLECTING: Willis Mountain is what's known as a monadnock. The kyanite exposure resisted weathering and, as the surrounding area was eroded and weathered away, the mountain outcrop was left standing. This is very much like the famous Graves Mountain kyanite mine in Georgia. The center of the mountain has been mostly mined away. We should be able to find plenty of white kyanite blades in the massive kyanite quartzite; pyrite; quartz; hematite with some iridescent, red mica, apatite and possibly some blue kyanite and pale green trolleite. Some of the white kyanite here fluoresces a beautiful light blue as well as some of the quartz.

Continued on next page

UP COMING FIELD TRIPS... *Continued from page 5*

EQUIPMENT: The standard quarry gear required is hard hats with a mfg. date of 5 years or less, safety glasses, only steel toed boots or very good strong leather boots will be allowed, long pants, gloves, hammer and chisels, wrapping paper, buckets, food and water. If you do not have the required safety equipment, you will not be allowed to enter the quarry. Be prepared for windy, hot or wet weather. We will be on the mountain top and it's always windy. We can drive to the designated collecting area, so hand trucks should not be needed. Bring a camera, as the view is awesome.

AGE LIMIT: There is no age limit, but all children must be signed for and supervised by an adult.

WEATHER: The trip will be canceled in case of hard rain or a thunderstorm. Call to confirm if there is any question.

CONTACT: David Callahan, Phone [540-297-1853](tel:540-297-1853) Cell [540-874-5201](tel:540-874-5201) Field Trip Chairman for the Lynchburg and Roanoke Clubs, email dbcall1@aol.com web sites www.LynchburgRockClub.org

TEE SHIRT NOTICE

*I will have the club tee shirts and jackets ready for our next meeting on August 21st. I do not know the exact cost at this time so please come prepared with cash or a check made out to me.
Thank you,
David Callahan*

Upcoming DMC Trips

DMC Program of the SFMS Field Trip Committee
An Official Field Trip of the Gem & Mineral Society of Franklin, NC (HOST)
An Official Field Trip of the (enter your associated club's name here!)

10:00 AM

**Wednesday, September 25, 2013
Cowee Mtn. Ruby Mine, Franklin, NC
Clay County, North Carolina**

NO FEE

Date: September 25, 2013

Day: Wednesday Time: 10 a.m.-

No Fee - Buckets with local dirt from a great Franklin source will be available. There will be no digging however; you may bring your own screen. Mining sluice at this mine will be used for cleaning of dirt

Location: Cowee Mtn. Ruby Mine
6771 Sylva Rd.
Franklin, NC 28734
[828-369-5271](tel:828-369-5271)

**For information contact: Arlon Eldridge
[828-369-5271](tel:828-369-5271) cowee@yahoo.com**

Saturday October 5, 2013

10AM – 2PM CST

Coon Creek Science Center

McNairy County, Tennessee

FEE \$15 – Limited to 35 participants

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Rock Raiders



Back to School Word Search



y	h	m	s	k	o	o	b	s	o	t	f
c	r	a	y	o	n	s	i	y	f	e	k
p	u	d	r	a	o	b	k	c	a	l	b
l	m	z	r	c	t	w	r	i	t	e	f
a	t	o	j	a	w	e	c	m	t	g	p
y	f	b	o	u	o	z	a	o	l	e	e
g	k	r	l	r	e	b	y	c	n	l	k
r	s	f	i	l	s	s	e	c	h	x	a
o	e	w	b	e	b	s	i	t	p	e	k
u	d	a	a	a	n	l	a	d	i	c	r
n	t	r	e	a	d	d	r	l	y	h	g
d	t	n	i	a	p	k	s	x	c	r	w

blackboard	books	classroom	crayons
desk	friends	paint	pencil
playground	read	table	teacher
tous	whiteboard	write	

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Upcoming Events

AUGUST 2013

Sept. 18-22- AFMS/ SFMS Annual Meeting Jacksonville, FL
www.jaxgemandmineral.org/

Sept. 28-29- 49th Annual Atlantic Coast Gem, Mineral & Jewelry Show hosted by the Gem Cutters Guild of Baltimore. Howard County Fairgrounds, West Friendship, MD.

Oct. 25-27- 11th annual Harrisonburg Bead, Gem, Mineral & Jewelry Show; Rockingham County Fairgrounds, Commercial Exhibits Building- 4808 South Valley Pike, Harrisonburg, VA 22801. (Off I-81 between exits 240 & 243) Contact Van Wimmer 540-384-6047 or visit www.toteshows.com

Nov. 2-3- 44th annual Gemarama 2013: "Shades of Red"- sponsored by the Tuscarora Lapidary Society. The School at Church Farm, Business Rte. 30, 1/2 mile west of Frazer Rte.30 exit off Rte. 202, Exton, PA.

SUN	MON	TUES	WED	THURS	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21 Meeting 7:00 PM	22	23	24
25	26	27	28	29	30	31



ATTENTION ALL CLUB MEMBERS

Workshops will be held regularly on the second Saturday of each month at Dave Callahan's. Start time is 9:00 AM, but come anytime and stay as long as you'd like. There is a store/deli about a mile down the road if you want to break for lunch and return.

The workshops will be open format, and the purpose will be for club members to learn how to use the lapidary equipment to turn rough specimens into finished lapidary pieces for their own personal use. Experienced members will be available to help teach and assist.

We have a great set up with several sets of wheels for cabbing, faceting machines, saws, and much much more. From time to time there may be special class offerings, so be sure to let us know what you are interested in.

Workshops are open to club members only, and due to liability we can not allow guests or non-members at our club workshops. Remember, membership is just \$15.00 per year for the fist family member and \$3.00 for each additional family member.

Dear Fellow Member,

Below is a recap of the survey that I sent out to the membership in April. Of the 90 surveys that I mailed out, I received 32 responses, which is about a 36% response. I have listed the top three most popular answers for each question in order to cut the number of pages down from the original nine. Some of the questions were left blank, if the question was left blank; it was not counted even if the answer choice was yes or no. Since questions 16 through 18 were multiple choice, I left the number of responses that were given. The number one answered question was 18dd. Good Job Natalie!

The board is still digesting all of this feedback and will implement the ideas received where ever it is feasible. We have already started the open workshop that is held monthly on the second Saturday. We have had some members volunteer to present a short program on a mineral of their choice at the next four meetings. If you are interested in doing a presentation on a mineral please let us know. Some of our future program topics will be based on the survey responses.

On the lighter side, look at the top three answers to question 11 regarding the business meeting. These answers were tied for first place. We will do the best we can but don't think that we can make everyone happy on this one. We are opting for keeping it short and see how that works out.

Thanks again for your help,

Thom Noble

The Top Three Responses to the Member Survey

1. I look forward to GMSL meetings because:

Fellowship, Knowledge, Enjoy the people

2. I joined GMSL because:

Field Trips, Knowledge, To meet new people with common interests

3. Were you previously a member of another rock club?

10-Yes 7-No

4. If so, which one?

Roanoke Valley, Shenandoah Valley Gem & Mineral Society, Richmond Virginia Gem & Mineral Society

5. What are you seeking from GMSL?

Field Trips, Knowledge, Meet new people with common interests

6. If you joined within the last several years, initially came to some meetings, and then stopped attending, please say why you no longer attend. Please be honest and complete.

Schedule conflict, Work conflict, Live out of area

7. To the folks who do not come to meetings yet live within commuting distance, and did not respond to # 6, what would encourage you to attend?

Hands on programs, Have a dollar raffle, (No third answer)

8. I do not go on field trips, but would like to. I am physically able to, but I feel like I...

Would be the only one who can't ID the minerals, Would be willing to offer a ride to a field trip buddy and share expenses, Have other obligations

9. What are some topics you would like to see covered in some of our programs? Be venturesome, yet realistic. Example: Diamond demo, yes; Hope Diamond demo, no.

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*Survey...continued from page 9***Mineral Identification, Information specific to Virginia Rocks, Detail****explanation on local/regional geology**

10. My real passion(s) in this club is/are

Field trips, mining and collecting, Lapidary work, cabbing, faceting, Learning

11. Do you have any ideas or procedures that you would like to see incorporated in the business meeting portion of the meeting.

Keep business meeting short, Skip all together have faith in the officers, incorporate the executive meeting into the business meeting

12. These are speakers and/or other topics I would like to see presented as programs at our meetings. Include contacts for any programs you know, or contact one of the officers, especially the First Vice President.

See Question 9, Provided hands on lapidary and jewelry again spread over several meetings so that it is not too much to do in one meeting, Dr. Lenhart is great

13. I would like to sign up for classes in this/these areas. Classes would be offered at a location at a time designated by the instructor, possibly for a fee. Classes would be offered as an instructor became available. Circle "S" to be a student, "T" to teach a class.

Classes:

Mineral identification, Faceting, Cabochons

14. ____ (check) I would be willing to present a workshop, demonstration, or other program during a regular meeting, while other club members are attentively and politely watching or participating, to showcase my rock-related interest, business, or hobby of :

There were five surveys that had this question answered I gave the name of the member whose survey the answer came from to the executive board.

15. If you have any field trip sites you would like to share with us, you may put the information here, such as where, what is found, and the property owner. Remember that safety, proximity, and permission are all issues. Also, you may contact the Second Vice President.

These are from the four surveys that had this question answered. Unfortunately two of the surveys were unsigned. The other two I gave the name of the member whose survey the answer came from to the executive board.

16. Most of us come across information that would be interesting to others in the Club. It may come from an article you have read or heard; a report on one of your favorite minerals or a trip you took, a book you read, your hobby, a person of note; a poem or a short story you wrote; a game or crossword you saw or wrote dealing with rocks; some web sites; or photos you took of rocks or sites. It could be the effort of more than one person. Would you be willing to send something into the newsletter once in the coming year?

Yes 7 Possibly 10 No 4

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Survey...continued from page 10

17. I am willing to help with making signs, forms, and other computer-generated art and graphic work.

Yes 6 Possibly 6 No 9

18. Circle the appropriate: Indicate your willingness to participate in these offices, positions, and activities during the coming year *Continued on next page* and the election of that year. Some can be on a month-to-month basis; the officer positions would be for a minimum of a year.

a. President

Yes 0 Possibly 4 No 10

b. 1st Vice President

Yes 0 Possibly 3 No 11

c. Second Vice President

Yes 1 Possibly 3 No 11

d. Treasurer

Yes 2 Possibly 2 No 11

e. Secretary

Yes 2 Possibly 2 No 10

f. Youth Director

Yes 0 Possibly 1 No 13

g. EFMLS & SFMS Liaison (Regional and Federal Assoc.)

Yes 0 Possibly 4 No 11

h. Historian

Yes 0 Possibly 1 No 12

i. Librarian

Yes 0 Possibly 2 No 11

j. Hospitality Chairman

Yes 1 Possibly 2 No 10

k. Membership Chairman

Yes 2 Possibly 4 No 10

l. Publicity Director

Yes 1 Possibly 2 No 11

m. Newsletter Editor

Yes 0 Possibly 2 No 13

n. Webmaster

Yes 0 Possibly 1 No 12

o. Education Chairman

Yes 0 Possibly 1 No 12

p. Member at Large

Yes 2 Possibly 4 No 7

q. Work with Youth Groups, such as schools, scouts, etc.

Yes 1 Possibly 4 No 9

r. Greeter at Meetings: (Name Tags, Visitors, Information)

Yes 3 Possibly 5 No 7

s. Provide Food at a meeting

Yes 9 Possibly 6 No 5

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Executive Committee Meeting Minutes



Fairview Heights Community Center
August 7, 2013

Attendees: John Haskins, Nona Haskins, Siglinde Allbeck, Natalie Darling, Thom Noble, Linda Noble, Dave Callahan, Dave Woolley, Noel Woolley, Frank Midkiff, Jean Midkiff and Don McIntyre.

Not Present: Tony Shields, Bernardino Rivera, and Jack Curtin.

- Order was placed of 50 copies of “Minerals of the USA,” A Diamond Dan Publication.
- Wild Acres/ William Holland workshops schedules were passed around, as was information about Grand Caverns.
- Collections from the families of 2 private collectors were purchased and transported to our workshop site at Dave Callahans. Now we will need member assistance to sort, label and organize the specimens and equipment. Next workshop: Sat, Aug. 10.
- John discussed the opportunities and potential uses for the collections. There is also a large fluorescent inventory.
- Survey results were discussed, lead by Thom Noble.
- New member lead mineral presentations will begin at our next monthly meeting.
- Future program suggestions included safety and mineral associations.
- Franklin gave a treasury summary, and updates for our upcoming events: Jefferson Choral Society on Nov. 23, Apple Harvest Festival in October and the Roanoke Club Show over Thanksgiving weekend.
- Additional belt buckle supplies will be ordered, and Thom agreed to make some cabachons for these.
- Dave plans to have the T-shirts at the next club meeting.
- Next field trip Saturday, Sept. 28th to Willis Mountain.
- Workshops will be every Saturday (except 9/28). in order to prepare items for our upcoming events.

Minutes submitted by Linda Noble, Secretary



We would like to extend our deepest sympathy to the Rivera Family, on the loss of Dorothy and Bernard's daughter Marilyn.

Hobby Related Websites to visit:

goldrushnuggets.com- for those interested in gold and prospecting. Specimens for sale also.

www.minrec.org. It has a lot of wonderful information for you to read...and it is all free!

Online Journal - *Axis*

<http://minrec.org/journal.asp>-all sorts of different articles about minerals and mineral- ogy. Some are really for advanced collectors. Some are of general interest.

Heavens and Earth

**Jacksonville Gem and Mineral Society,
25th Annual Gem & Mineral Show and Sale
September 20-22, 2013 Morocco Temple**

AFMS/SFMS 2013 Annual Meeting September 18th-22nd

Sponsored by the Jacksonville Gem and Mineral Society, Inc <http://www.jaxgemandmineral.org/>
A 501(c)(3) not for profit organization

All AFMS and SFMS meetings will be hosted at the: Marriott, Jacksonville, 4670 Salisbury Road Jacksonville, FL 32256, 904-296-2222 or 1-800-962-9786 ([Mention AFMS meeting for \\$82 room rate. Offer Expires August 5, 2013.](#)) (This rate is good from Sep 15th to 25th)

AFMS Uniform Rules - Wednesday 7pm **AFMS Annual Meeting** - Thursday 9am **AFMS Scholarship foundation-** After Annual Meeting
You are invited Thursday Night to Hanna Park at the beach. Star Gazing with Northeast Florida

Astronomy Society members and Telescopes (Saturn will be spectacular!) Cook out provided by Host society JGMS.

JGMS Annual Show and Sale Starts - Friday
1pm SFMS Cracker Barrel Meeting - Friday
7pm

SFMS Annual Meeting - Saturday 9am

ALAA Meeting - Saturday 2:30pm

Awards Banquet - Saturday 6pm

Editors and Webmasters Breakfast - Sunday
9am

40+ retail dealers, Fantastic exhibits and speakers from around the country. See the NASA Moon Rock, Lectures on near earth bodies, meteorites, demonstrations, workshops, hourly door prizes, silent auctions and more.

Enjoy the Annual Jacksonville Gem Show!!!

Bench Tips by Brad Smith

More Bench Tips by Brad Smith are at:
[groups.yahoo.com/group/Bench Tips/](http://groups.yahoo.com/group/Bench%20Tips/)
or [facebook.com/Bench Tips](http://facebook.com/Bench%20Tips/)

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JUST A DROP

Hobby shops and model airplane stores carry small plastic dispenser bottles that are handy bench items for putting a drop of oil or glue just where you want it.

The small metal tubing lets you squeeze out very small drops and reach into tight places.

I use the small one on the left for oil when I'm sawing or drilling harder metals like steel. And I use the

bottle on the right from a plastics store for the fast drying glues used to join pieces of acrylic.



Mineral of the Month-

Tiger's-Eye, by Frank M Craig,

reprinted from August 2013 Rock Buster News

This month we will take a look at the (semi-precious) gemstone tiger's-eye. Tiger's-eye, a variety of quartz, owes its name to the banded yellow-gold, dark brown color, which resembles a tiger's eye. The popularity of this material as a gemstone is because of its chatoyance (cats eye effect- the way light is reflected) on a polished material.

Tiger's-eye occurs in veins, parallel to bedding, usually less than 6cm thick. Historically the origin is considered to be a classic example of pseudomorphism (the replacement of one mineral by another with the new mineral retaining the form of the original mineral). In this case, crocidolite is replaced by quartz. Crocidolite (asbestos) is the trade name for fibrous riebeckite, a blue (alkali) amphibole. The quartz retains the original fibrous structure of the asbestos which gives the material its chatoyance. The resultant yellow to brown color is caused by iron oxide staining (oxidation of the iron in the riebeckite). Unstained pieces (areas) retain the original blue color and are called hawk's -eye.

The replacement theory, first suggested in 1873, was recently challenged. A few researchers now

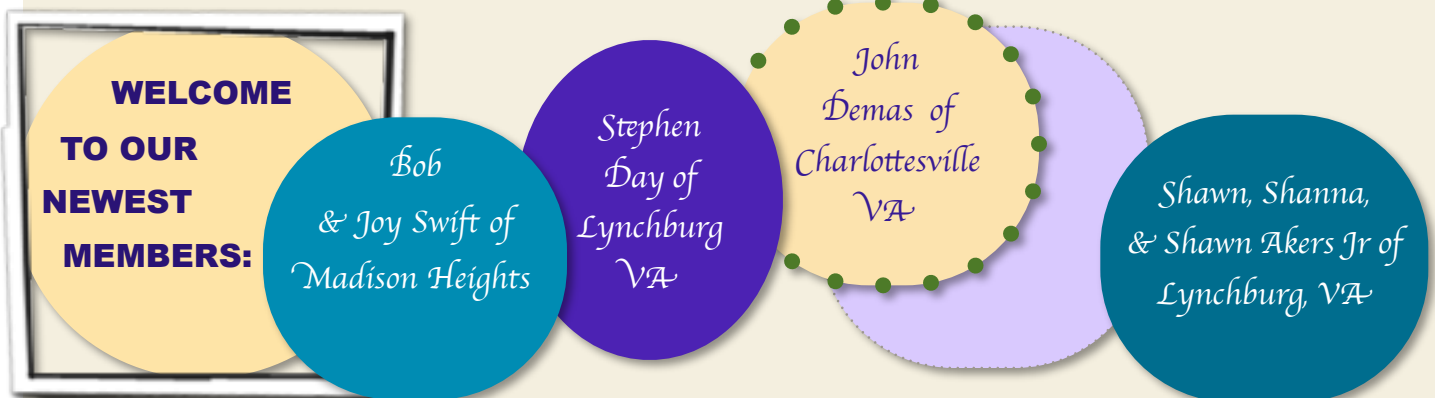
believe the origin is not a replacement process but a typical crack/seam filling mechanism. Mineral rich fluids infiltrate a pre-existing crack in the rock and deposit the quartz. The quartz shows a distinctive, fibrous, growth pattern extending from the edge of each side towards the center, sealing the crack. Crocidolite fibers are still present but occur as inclusions within the quartz and are believed to grow from fragments originally present on the crack edges. The characteristic color is still caused by iron oxide stain and the fibrous texture produces the characteristic iridescent luster (chatoyance).

Regardless of which origin you subscribe to tiger's-eye is inherently linked to crocidolite and therefore only occurs where deposits of crocidolite are found- South Africa, western Australia, China, and South America. The uses of Tiger's-eye (and hawk's eye) are as gems, most commonly as cabochons. However, people do produce excellent carvings from the material. Additionally, this material plays a significant role in holistic procedures and astrology.

Sources:

www.mindat.org; www.bernardline.com/gemstones/tigers-eye.htm; crystal-cure.com/catseye.html

Heaney, P.J & Fisher, D. M., 2003, *New interpretation of the origin of tiger's-eye*, *Geology*, v31, p323-326 [plus the comment and reply to this article.]



Presidents Message...*cont. from page 1*

have a seismometer placed on her property because of the closeness to the Louisa earth quake epicenter. I hope she will keep us updated. The experiment lasts for 2-3 years and is looking for causes for the uplifting of the Appalachian Mountains. Installations will run from VA To Indiana.

I hope you all will take advantage of workshops, field trips and meetings, as a lot of planning and work goes into providing activities for members. That's all for now, I hope to see you all at the August 21st meeting.

Keep Looking Down,
John Haskins

Upcoming DMC Trips

continued from page 6

Program – Field Paleontology (4 Hours):
Introduction – 30 minutes; Collecting Session (quarry and surface) – 2 Hour; Lunch – 30 minutes; Clean and Identify Fossils - 45 minutes

Contact: Wayne Ramsey, Fieldtrip Chair MTR; [615-859-7472](tel:615-859-7472); WRamsey205@comcast.net or John Stanley, President, MTR; [615-885-5704](tel:615-885-5704); jstanley@picagroup.com (no calls after 10pm CST; to register for fieldtrip email MiddleTnRockhounds@gmail.com) http://www.memphismuseums.org/coon_creek-overview/



Survey...*continued from page 11*

t. Create Displays for Libraries

Yes 2 Possibly 3 No 9

u. Take Photos for Club Functions

Yes 6 Possibly 3 No 9

v. Put an Article or Photo on Club Website

Yes 3 Possibly 4 No 7

w. Elections Nominating Committee

Yes 2 Possibly 1 No 10

x. Auditing Books

Yes 1 Possibly 2 No 11

y. Contribute to Newsletter

Yes 4 Possibly 6 No 5

z. Help clean up after meeting

Yes 13 Possibly 3 No 3

aa. Be on time

Yes 13 Possibly 3 No 2

bb. Attend a Field Trip

Yes 13 Possibly 4 No 1

cc. Help at the Christmas Banquet

Yes 12 Possibly 4 No 3

dd. I read my newsletter:

Yes 25 Sometimes 1 Never 0

ee. Publicity Committee

Yes 2 Possibly 4 NO 7

Natalie Darling, Editor
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Lynchburg, VA 24502



The purpose of the Gem & Mineral Society of Lynchburg, VA is to promote education in The Earth Sciences, including: Mineralogy, Geology, Gemology, Paleontology, and Crystallography



Lynchburg Rock Raiders is the official Future Rockhounds of America association of the The Gem & Mineral Society of Lynchburg, VA, Inc.



Reminder...

NEW MEETING LOCATION

Lynchburg Parks and Recreation
Fairview Center
3621 Campbell Ave.
Lynchburg, VA

DIRECTIONS: Fairview Center; 3621 Campbell Ave., Lynchburg, VA 24501 434-847-1751~ From Route 29 expressway or Route 460, take the Campbell Avenue Exit. Follow Campbell Ave. to 3621, which is across the street from a Citgo Gas Station. There is a fence around the building and parking on both streets running along the sides of the property as well as a lot in the back. We will be looking for you!