

ROCKET CITY ROCKS & GEMS



The Monthly News Bulletin of the Huntsville Gem & Mineral Society, Huntsville, Alabama

Volume 51 No. 9

"We'll go to the Moon for a Rock"

September 2019

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Show & Tell for Sep 24th Program

It has been a while since we had a show and tell. This will be the third and last for this year. For the meeting, we ask members whose last initials are from **S thru Z** to bring up to three of their favorite collection specimens. Please tell



what they are, where you obtained them, and why you like them. Please keep it sort of brief, since there will be lots of business concerning the rapidly upcoming Fall Show.

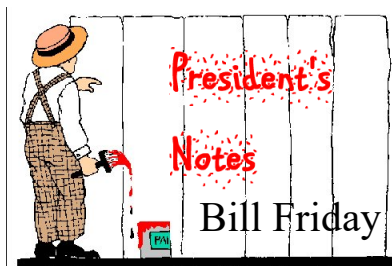


Bring your best treasures.

www.huntsvillegms.org/ - www.facebook.com/HuntsvilleGMS -



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The Fall Show isn't only for the visiting public.

Volunteers are needed in every area of the Show. Come on and help, but enjoy the Show for yourself. Christmas and birthday gifts, knick-knacks,

serious jewelry, fossils, minerals for your collection.



It isn't just for kids.



Guidelines & Rules for Preparing Competitive Displays for the HGMS Fall Show

Division A – Open Division

Division B – Minerals

Division C – Lapidary

Division D - Jewelry and Art Metalcraft

Division E – Educational

Division UV - Fluorescent Minerals

Division F - Fossils

Division G – Petrified Wood

Division H - Scrimshaw

Division I - Beading and Beadwork

Division-J - Meteorites

The complete rules for competing in each of these divisions may be found at: http://www.amfed.org/rules/AFMS_Rules_2018.pdf

Be warned, they are intimidating, mostly because of the jumbled page numbering. There are 99 pages, but once you select a Division, the rules for each are found in specific locations, with the Division Letter within the page number. If you can feel any sympathy for the Rules Committee in trying to keep the document current as changes are made each year, the pages are numbered according to when, and if, changes were actually made to that particular included content.

The first half of the document covers general information, and is required reading before skipping down to your chosen Division. Maybe someday an enthusiastic editor will go through the entire document and create hyperlinks to speed you to the desired section, but for now spend a bit of time looking through the various categories and get familiar with the layout. It isn't really as hard as it looks at first.

The competitive areas are so varied that you would almost have to work at running into dis-allowed multiple entries. So pick an area, study its rules, and start creating a winning exhibit.



Minutes for the HGMS Meeting 27 August 2019 Meeting convened at 6:39pm

Kathy May, the Marketing Director of the Senior Center was present to remind the audience about the "Retirement Expo" at the Von Braun Center on 17 Sept 2019. First 100 cars that attend are given free parking. For those who have a senior center barcode tab, the entrance to the expo is free. Otherwise there is an entrance fee is two dollars (\$2.00).

A motion to accept the minutes from the last meeting was presented. Motion voted and approved.

Clara Goode presented the Treasury report. The club's current account carries a total of \$6005.

Metal Smithing: Notes are presented in the newsletter.

Pebble Pups: A suggestion was made to present a Rock & Mineral gift (that was donated by Myra Soroczak) to the pebble pup who works the most hours as a volunteer at the Rock & Gem Show in October. Bill expressed concern that the Pebble Pups is needing some adult volunteer help.

GeoSciences Activity Group: Notes are presented in the newsletter.

October Show: Joe Bonin had to let go serving as volunteer chairman. The "Gem Dig" trailer is no longer available so its floor space will hold the competitive and non-competitive display cases. Mike Harrison refurbished one of the display cases. Mike stated that the deadline to have your competitive display registered is Sep 1st. Gene stated that the actual SFMS deadline is Sep 15th. Bill showed examples of how a display case looks from Ventura Rock & Gem Society newsletter. Our prizes will be ribbons with the opportunity to present your display at the American Rock & Gem Society. Rock Food Table will not be at the show this year. Tony Smith described the ten Show billboards. The electronic billboards will run a week before the show. Yard Signs will be at the Sep meeting to pick up. Tony stated that many volunteers are needed for the show. It was recommended that volunteer sign up sheets should be posted to the web site where folks could sign up at home on their computers. Volunteer sign up sheets will be in the Lapidary Lab. The show is fully booked for dealers. Lowell Zoller stated that the Rock & Gem Magazine, Lapidary Journal, and TV Channel 31 will all advertise our Show. He emphasized that the best way to spread the word of our Show was through personal contact. Announcement of the show is on our website. Lowell is the courier for the moon rock he has arranged for the moon rock display at the Show. Myra stated that a larger sign stating "Rock Show" should be posed to the outside of the building for folks coming in that may not have the best directions and it will help in locating the building from the main street. A recommendation is to post a 2 foot by 6-foot sign at the front of the building. Caryl Nixon will be in charge of food. Gene Powers will be in charge of the Flume. Flume bag filling will be on the Sep 21st at 9:00 in the Painting Room at the Senior Center - volunteers please sign up.

Move to Grissom building update: Bill stated that he sat down with the architect and showed them exactly what we wanted and where to position our equipment. No decision yet on whether we are going to move or not. Bill stated flatly that if the Huntsville Gem & Mineral Society moves then everything remains the same with the Senior Center (association, insurance, lawyers) and all equipment and activities will to to the new home. Cost is unknown at this time, but all renovation will be covered by the City. It will be HGMS responsibility to move our equipment from the current location to the new building.

Hospitality: Caryl Nixon stated that the Christmas Dinner will be held Dec 10th at the Blue Plate Café located on South Memorial Parkway at 5:30pm until closing. She also stated that Thelia DeMoor had cancer surgery. It went well and she is healing. A card was passed around the audience for folks to sign conveying their best wishes.

Madison Street Fair: Bill stated he would get a flyer out for this event.

Mike Soroczak identified a borrowed green rock found in a tailings pile as malachite and chrysocolla (both copper related) sitting on quartz, and it comes from four corners area in Arizona.

Program: Bill presented at program on Astronomic Black Holes.

Meeting was adjourned for food and fellowship at 7:51pm.

Bagging Session of the Flume Minerals for the Fall Show

Gene Powers has been hard at work gathering and preparing sufficient mineral stock for the 220 flume bags to be used at our Fall Gem Jewelry & Mineral Show in October. He has scheduled a session for filling the bags with the gravel and minerals at the **Senior Center on Saturday morning 9:00 September 21**. We will have the Flume trailer and all of the necessary materials there to work with and the bagging will be done in the Painting Room. As usual we need around six people, though more will be welcome.

The stock on hand consists of

1. Rock Crystal (clear/white Quartz)
2. Amethyst Quartz
3. Citrine Quartz
4. Rose Quartz
5. Aventurine Quartz (green)
6. Tourmaline (schorl)
7. Emerald
8. Garnet
9. Sodalite
10. Staurolite
11. Blue Calcite
12. Orange Calcite
13. mixed Calcite (white, yellow, green)
14. mixed Chalcedony (green, gold, purple)

There is some stock left from prior years, which can be used until exhausted.

15. Birdseye Rhyolite
16. Dalmatian Jasper
17. Labradorite
18. Amazonite
19. Owyhee Jasper
20. Plume Obsidian
21. Tampa Bay Coral
22. Mixed Feldspar
23. Marble (white)

These will all be lumped into one stock bin.

This will deplete most of the stock on hand such that we will need to procure more for 2020.

Howdy from Hospitality Caryl Nixon

HGMS Gem & Mineral Show Vendors' Setup Dinner:

Thursday, October 10, 2019

Jaycees Building, 2180 Airport Rd, Huntsville, AL

Food donations before 3:30 pm

HGMS provides meat and beverages, and we ask for people to provide side items. My phone number is 256-426-5061, so if you see that number pop up on your phone, it is not a robocall. I'll leave a message on your voicemail. You're welcome to call, text or email me to let me know whether or not you can take items to the setup dinner. I need the food at the Jaycees' Building before 3:30 for a 4:00 or 4:30 serving time. Vendors have expressed a desire for an early supper, but it depends upon how quickly we can set up tables, etc. We have electrical outlets and extension cords for crock pots, plus serving spoons and tongs. Please make sure to put your name on any dishes and utensils you want returned to you. We do our best to return wayward items to their rightful owners, but we invariably end up with some strays.

Rocket City Jewelers (RCJ) News

By Leslie Malakowsky

Our enthusiasm for chainmaille is going strong – there are so many weaves! On August 21st, we learned the Love Knot/Forever weave. On September 4th, we took a break from chainmaille and made a Tree of Life Pendant. Each tree has its own unique style and “leaves”. We’ll have a photo op when everyone finishes their tree.



Now taking reservations for the Wire Wrapping class September 25th – October 9th. In this class, you’ll begin by making a copper wire bracelet for practicing several wire wrapping techniques. Then you’ll wrap your cabochon.

Upcoming Schedule:

Sep 18th – Captured 2x2 chainmaille weave sample and necklace or bracelet
 Sep 25th, Oct 2nd, Oct 9th – Wire Bracelet/Wire Wrapped Cabochon
 Oct 16th – Fall Leaf Earrings
 Oct 23rd – Open or Double Spiral chainmaille bracelet
 Oct 30th – Open (Happy Halloween!)



Group Leader/Lead Instructor - Leslie Malakowsky	
Instructors	Judy Osmundson, Myra Soroczak
Kit Manager	Sherrie Bonin
Treasurer	Clara Goode
Facebook	Karen VanBebber
Security	Joe Bonin



RCJ is open to every member of the HGMS. (Gentlemen, too!) **If you love making jewelry, please join us!** All skill levels are welcome!

Remember our core values: to share what we know, learn new skills, and have fun! Please let me know what you are able to teach and what you would like to learn.

We meet every Wednesday from 6-9p.m. in the Paint Room (next to the Lapidary Shop) at the Huntsville-Madison County Senior Center, 2200 Drake Avenue, Huntsville.

Important: Please park in the **North parking lot** and enter the building at the **entrance next to Meals on Wheels**. The door is locked after 6:30p, so if you need to arrive later, please text me and someone will let you in.

Please return Show Yard Signs so that they can be updated for 2019

Particularly if the metal mounting frames need repairs, get those back for welding - they are quite expensive. Thanks, Tony Smith



Metal Smithing/Silver Group by Kathy Bowman & Shelley Curran

Metals Class.- October 3rd, 6:00pm

Pierced and sawn overlay pendant with a small gemstone.

Skills learned. Piercing, sawing, soldering, stone setting, oxidization, and finishing.

Many beautiful pieces of jewelry can be created using just a jewelers saw and a few simple tools. Becoming comfortable with the saw is a necessary skill needed for so many purposes. We'll cover proper use, tensioning, and staying "on the line". Our silver pendant will be a small multi layered, free form design with a bezel set stone. Kits will be available at market price.

If using your own materials you will need 26g & 22g silver sheet. 18g round wire and a 3-4mm round cab and bezel cup.

Please sign up in advance. It is necessary so we can prepare the kits. The class is full at ten people. Wait list available.

Certification Classes: We plan to resume certifications on a one to three person basis during Monday night work sessions instead of having one large class a few times a year in late June. If you cannot attend on Monday nights we can make arrangements for Thursday night work sessions. If you are interested in scheduling Metalsmithing Certification please send your name and contact information (name, email address, and phone number) to HGMS@wilddivystudio.com. We will contact you and set up a day for you to come. Those who sign up will be notified when the next class will be scheduled.



Volunteer Positions *

Class Instructors:

Toolbox Sign-outs

Inventory Manager

Store Manager

Kit Manager

Webpage & Social Media Management

Kathy Bowman

Shelley Curran

CG Lester

Opening

Opening

Shelley Curran

Kathy Bowman

*Note: We are all volunteers so the schedule is subject to change.

Howdy from Hospitality

We had a terrific picnic in June! Thanks to everyone who participated, providing side dishes, beverages and ice, and setting up tables for the rock sale & swap.

Now it's time to think about the October 10 setup dinner for the Gem Show. I need volunteers to provide side items once again. Be sure to have your name on items you want returned to you. Every effort is made to return vagabond utensils.

We also need to plan for our Christmas dinner and optional gift exchange. Many members have said that they would like to have it someplace besides Olive Garden. If you have a favorite restaurant you'd like to suggest, please notify me soon. It would be nice to have a private dining room to accommodate about 50 people.

Thanks again for making my job fun!

Caryl Nixon, Hospitality Chair
(256) 426-5061 text or call

Pebble Pups - Thursday September 26, 6:00

Only one Pup showed for the August meeting, so all is postponed to fourth Thursday of this month. Hoping to see everyone there.

Mr. Brian will help us explore the strange world of geodes, those hollow balls with a wide variety of shapes and sizes, with many types of surprises hiding inside. Where do they come from? How do they form? Why are they hollow? Where can we get some of them? And how can we peek inside?

We will meet in the Senior Center Cafeteria at 6:00. Bring your friends.

For more information, contact Brian Burgess at bburgess771@gmail.com 256-479-2993 or Bill Friday bill.friday@earthlink.net 256-527-8227



GeoSciences Activity Group

The group met in the Senior Center Cafeteria on Thursday August 15. The needed laptop and projector were not available since the provider left town unexpectedly, to him and to the group. So the September Program provided by Gene Powers, discussing geologic formations in southwest Alabama, including Tallahatta Agate, fossils, chalk cliffs, and area rivers, continued as a hands-on discussion, and the slide portion was postponed to Sep 19, 6:30 in the Senior Center Cafeteria. Thanks for patience.

Next month Ron Travis will present Indian Artifacts, a subject with which he has long been associated. Remnants from past civilizations going back many thousands of years have been found, studied, dated, organized, categorized, and enjoyed. They tell the stories of their creators - where they came from, when, how, and where they lived in this area, what they ate and how they gathered it, how they interacted, their religions and ceremonies, their social customs, and what became of them. Come and learn about these fascinating people of long ago.



Mineral of the Month – Three Moon Minerals and Two Rocks *By Leslie A. Malakowsky*

As we near the end of the 50th anniversary of the Moon landing, it seems appropriate to feature this trio of Moon minerals: pyroxferroite, armalcolite, and tranquillityite. These minerals were first discovered in rock samples brought back from the Moon by the Apollo 11 mission in July 1969. (Tranquillityite was later found in all rock samples from Apollo missions.) These minerals had never been seen on Earth! In the next few years after the Moon landing, terrestrial pyroxferroite and armalcolite were found, but terrestrial tranquillityite not until 2011!

The Apollo 11 rocks were collected from Tranquility Base in the Sea of Tranquility (Mare Tranquillitatis). The Sea of Tranquility and the other dark areas of the Moon form the “lowlands”. These areas are called “maria” (singular “mare”, the Latin word for sea) or “seas” because early astronomers thought they were large bodies of water. Most of these areas were formed by molten lava that cooled to become smooth **basalt**. Basalt is an extrusive igneous rock that forms when magnesium-rich and iron-rich lava cools rapidly on the surface of a planet or a moon. Basalt is also found in abundance on Earth.

The light areas of the Moon form the “highlands”. These areas are called “terrae” (singular “terra”, the Latin word for Earth). These areas consist of **anorthosite**, which was also present in the lunar rock samples. Anorthosite is an intrusive igneous rock also found in abundance on Earth. Anorthosite consists mainly of feldspar with little to no magnesium or iron minerals. While there’s still scientific debate on how terrestrial anorthosite forms, studying lunar anorthosite is helping us investigate Mars, Venus, and meteorites.

This contrast between dark and light areas causes the feature we’ve come to recognize as the “Man in the Moon”. This feature is also responsible for the fanciful belief that the moon is made of blue cheese!

Pyroxferroite is an iron calcium silicate with the formula $(\text{Fe}^{2+}, \text{Ca})\text{SiO}_3$ that may also contain aluminum, magnesium, and manganese. Pyroxferroite can be yellow, pale yellow, orange-yellow, or brown. This mineral is classified as an inosilicate in the Pyroxene group.



After Apollo 11, pyroxferroite was detected in lunar and martian meteorites from Oman (an Arab country on the southeastern coast of the Arabian Peninsula). It’s also been found in the US (New Jersey and South Carolina) and in many other countries. We now know that pyroxferroite occurs naturally in Earth’s crust and that it’s associated with the minerals clinopyroxene, plagioclase, and ilmenite.

The name pyroxferroite is a combination of *pyroxene* (from the Greek words for fire and stranger) and *ferrum* (Latin for iron). Pyroxenes sometimes occur as crystals embedded in volcanic glass. Early scientists thought that these crystals were impurities (hence the name “fire strangers”). Later, scientists discovered that pyroxenes crystallize while lava is still molten (before it erupts and cools).

Armalcolite is an iron magnesium titanium oxide with the formula $(\text{Mg}, \text{Fe}^{2+})\text{Ti}_2\text{O}_5$ that may also contain aluminum, calcium, chromium, and zirconium. Armalcolite can be gray or tan. This mineral is classified as a titanium mineral.



Like pyroxferroite, armalcolite was originally found in the Sea of Tranquility, but armalcolite was also found at two other locations on the Moon - the Descartes Highlands and the Taurus-Littrow valley. The Descartes Highlands became the landing site for Apollo 16 in April 1972, the second Apollo mission in which the astronauts drove the Lunar Roving Vehicle or LRV; Apollo 15 was the first. The Taurus-Littrow valley became the landing site for Apollo 17 in December 1972, the last manned mission to the Moon. (The LRV is still parked there.)

Like pyroxferroite, armalcolite was later found in samples of lunar meteorites from Oman. It’s also been found in Montana & Texas, and in many other countries. Armalcolite is found in titanium rich basalts, volcanic lava, and many other types of rocks. It’s associated with the minerals graphite, diopside, and ilmenite, among others.

Armalcolite was named for the three Apollo 11 astronauts – Neil **Armstrong** and Edwin “Buzz” **Aldrin**, who landed on the moon and collected the type samples, and Michael **Collins**, who orbited the Moon in the command module. There’s also a crater named after each astronaut. The craters are located in the southern portion of the Sea of Tranquility about 30 miles northwest of the Apollo 11 landing site.



Tranquillityite is an iron titanium zirconium silicate with the formula $(\text{Fe}^{2+})_8\text{Ti}_3\text{Zr}_2\text{Si}_3\text{O}_{24}$ that may also contain calcium and yttrium. Tranquillityite is dark red-brown, and it’s a member of the nesosilicate group.

Tranquillityite was the last mineral brought back from the Moon that was thought to be unique, that is, it had no terrestrial counterpart. But later, fragments of the mineral were found in samples of martian meteorites from Northwest Africa.

Tranquillityite was named in 1971 after its type locality in the Sea of Tranquility. In 2011, it was discovered in terrestrial basalts in Western Australia. In that locality, tranquillityite occurs in a variety of Proterozoic (the geologic time from when oxygen first appeared in Earth’s atmosphere to just before the proliferation of complex life) to Cambrian age rocks. It’s associated with the minerals troilite (a rare iron sulfide mineral), pyroxferroite, cristobalite, and feldspar.

References: wikipedia.org, mindat.org, https://en.wikipedia.org/wiki/Geology_of_the_Moon

Brad's Bench Tips

"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon www.BradSmithJewelry.com. For those who enjoy these bench tips, I'm happy to announce a second volume is now available on Amazon. "More Bench Tips" includes 86 additional ways to save time, avoid frustration or improve quality at the bench. These new tips cover problems in fabrication, stone setting, casting, soldering and polishing. Browse through a couple of the new ones at <https://amazon.com/dp/B07D4B45JJ/>.

These are just a few of the many tips in the new book, "More Bench Tips for

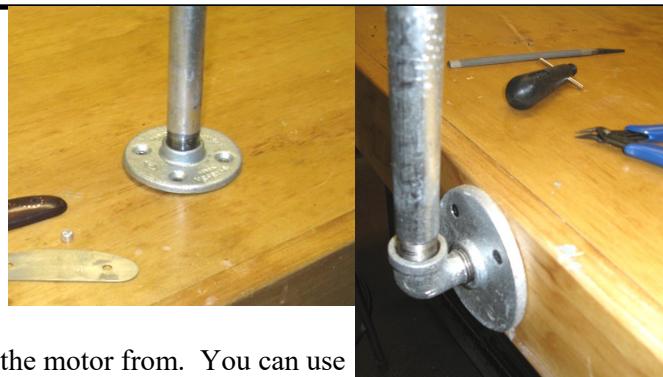


FOREDOM STAND

A quick and easy way to suspend a flexshaft over your jewelry bench is to use some steel pipe components from the hardware store. You can buy it today, attaches with a couple screws, and only costs about \$10.

I use 1/2 inch galvanized pipe and fittings. To build a stand that attaches to the top of your bench, all you'll need is a flange and a thirty inch length of the pipe. If you prefer a stand that attaches to the side of your bench, you'll need a thirty six inch pipe, a flange, and a 90 degree "street elbow".

Finally, make a hook that goes into the top of the pipe to hang the motor from. You can use heavy coat hanger wire or 1/8 steel rod from the hardware store.



BROKEN DRILLS

Have you ever broken a drill bit off in a hole? Sometimes you can grab it with pliers, but other times the steel piece is below the surface in the hole. If this happens, a quick fix is to dissolve the steel in a solution of alum or fresh pickle. The solution will not affect your silver or gold piece.

Alum is typically available from a food store. It's used to preserve some foods. Use about a tablespoon per cup of warm water. Submerge your piece so that the partially drilled hole is facing up to let the bubbles float free and not block the hole.



Dixie Mineral Council Field Trips

The Southeast Federation of Mineralogical Societies, Inc



The Friendly Federation - Founded in 1976 to serve
DMC Program of the SFMS Field Trip Committee
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Details of these will no longer be posted in the email newsletter or on our website, since we have those open for the general public to see. The Dixie Mineral Council has to restrict access to field trip information to keep the attendance among only paid members of Gem & Mineral Societies that are part of the DMC umbrella and which have adequate insurance for their members. You will get the DMC details separately by email.

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

Patty Quarry, Sun, September 22, 2019, 9:00 AM EST, Summerville, GA

TRIP: This location is a small, family owned quarry that has been a popular location for local clubs for many years. There will also be an optional side trip to a location close by with a variety of cutting material for sale.

COLLECTING: This location is known for its colorful lace banded chert/agate. Most of the material is loose and ranges in size from pebbles to boulders. Some of the material is good for lapidary use and some of it is more suitable for specimens.

An Official Field Trip of the Memphis Archaeological and Geological Society (Memphis, TN) (HOST)

Memphis Stone and Gravel, Oct12, 2019, Senatobia, Mississippi

COLLECTING: Chert gravels with fossils (Mississippian, Devonian, and Silurian), petrified wood, agate, conglomerate, quartz and other rocks and minerals associated with regional alluvial terrace deposits of Pleistocene / Pliocene age.

September Birthdays

1 Wayne Hastings	14 J. P. McCullough
3 Lola Flippo	14 Sheila Tesh
3 Gerdy Wyatt	16 Charlie Willhoite
6 Ivey Cook	18 Billie Couch
7 Mike Harrison	18 Bobby Couch
8 David Lehner	18 Samantha Lindberg
8 Patrick Stephenson	19 Mitzi Cartee
10 Marie Aldridge	19 Jay Bugg
10 Steven Crunk	19 Jeffrey Rothermel
12 Rodney Lane	21 Laura Carroll
13 Mark Falkenberg	29 Linda Lindberg
14 Larry Augsburg	30 Jonathan Lear

Anniversaries

1 Frank & Shelley Curran
 26 Debbie Deering
 26 Bill & Rita Friday
 29 Mike & Theresa Chivers
 Bruce & Allison Kowalczyk



September
Sapphire

October Birthdays

2 Brian Hastings	18 James Lowery
3 Theresa Chivers	20 Sam Tumminello
5 Parker Holliday	21 Jeannie Green
7 Mark King	22 Grady Harmon
7 Christopher Trumble	22 Norman Johnson
8 Clark Harmon	27 Jake Walters
10 Bonnie Treadway	28 Mary Herren
11 Diana Nelms	30 David Nixon
16 Rhonda Hall	30 Madison Phillips
31 Colton Gulliver	



October
Tourmaline

Anniversaries

9 Bill & Joyce Walters
 24 Leslie Malakowsky
 25 Trina & Matthew Inman
 29 Daniel & Susan Hessler
 31 Charles Holcomb & Johnce Smith

September 2019 - Senior Center Lapidary Lab Schedule

To use lapidary equipment, you must be certified unless a licensed instructor is present currently: Bill Friday, Joe Bonin, & Michael Cape

Monday	7:30am-4:30pm	Open Lab: Lapidary - certified Seniors & HGMS age 60+ Notice the big change in lab availability
	6:00pm-9:00pm	Open Metal Smithing - Only certified HGMS 18+
Tuesday	7:30am-9:00am	Open Lab: Lapidary - certified Seniors & HGMS 60+
	9:00am—Noon	Silver Jewelry - Ron West, Instructor - Seniors & HGMS 60+
	Noon -3:00 pm	Silver Jewelry - Terry Clarke, Instructor - Seniors & HGMS 60+
	3:00pm-4:30 pm	Open Lab: Lapidary - certified Seniors & HGMS 60+
	6:00pm-9:00pm	Open Lapidary - Only certified HGMS 18+
Wednesday	7:30am-4:30 pm	Open Lab: Lapidary - certified Seniors & HGMS 60+
	6:00pm-9:00pm	Open Lapidary - Only certified HGMS 18+
	6:00pm-9:00pm	Open Jewelry - Only certified HGMS
Thursday	7:30am-9:00am	Open Lab: Lapidary - certified Seniors & HGMS 60+
	9:00am-11:30am	Silver Jewelry - Ron West, Instructor - Seniors & HGMS 60+
	Noon-3:00pm	Wood Carving - Copeland, Instructor - Seniors & HGMS 60+
	3:00pm-4:30 pm	Open Lab: Lapidary -certified Seniors & HGMS 60+
	5:30pm-9:00pm	Metal Smithing & Jewelry Classes— Only certified HGMS 18+
Friday	7:30am-12:00am	Open Lab: Lapidary - certified Seniors & HGMS 60+

2019 HUNTSVILLE GEM & MINERAL SOCIETY OFFICERS

President—Bill Friday—256-527-8227—bill.friday@earthlink.net

Vice President— Michael Cape— macape@knology.net

Recording Secretary: Ruth Kemper— bob_kemper@yahoo.com

Treasurer: Clara Goode, 256-883-9194—clarag1964@gmail.com

Newsletter Editor: Bill Friday - 256-527-8227—bill.friday@earthlink.net

Directors at Large: Steve Young —taegu_steve@hotmail.com

Gene Powers—genepowersgddm@gmail.com

Michael Soroczak —Soroczak@yahoo.com

Ex Officio - Brian Burgess— bburgess771@gmail.com

Federation Liaison - Les Bartel - 131 Oakland Trace, Madison AL 35758 lester.bartel@gmail.com

2019 COMMITTEE CHAIRS

Membership: Bill Friday— 256-527-8227

bill.friday@earthlink.net

2508 Excalibur Dr. Huntsville AL 35803

Publicity: Bob Kemper

bob_kemper@yahoo.com

Webpage: Leslie Malakowsky,

lmalakowsky@gmail.com

Auction Chair: Shelley Curran

curranshelley1@gmail.com

Field Trips: Brian Burgess, 256-479-2993

bburgess771@gmail.com

Hospitality: Caryl Nixon 256-426-5061

caryl.nixon@outlook.com

Mineral ID: Michael Soroczak

soroczak@yahoo.com

(William Holland offers a class for this)

Property: Chris Kalange,

ckalange@comcast.net

Program Chair—Mike Harrison -

wm.harrison.123@gmail.com

Show Chair: Tony Smith, 256-603-3095.

tsmith@erc-incorporated.com

Show Vendor Chair: Lowell Zoller, 256-534-8803

Lzol@comcast.net

Show Volunteer Chair: Open

Show Publicity Chair - Tony Smith

tsmith@erc-incorporated.com

Show Treasurer: Clara Goode, 256-883-9194

clarag1964@gmail.com

PURPOSE OF THE SOCIETY: The Huntsville Gem & Mineral Society is a non-profit educational organization for people interested in mineralogy, geology, paleontology, and related lapidary arts. Its primary purpose is the education of the members and the general public in these areas. This purpose is accomplished through programs, shows, lectures to school children and organizations, and exchange of rocks, minerals, artifacts, and newsletters.

DUES: Annual dues are \$15.00 per person, \$20.00 per family, and are due on January 1st of each year

Membership Applications may be found at our webpage www.Huntsvillegms.org, at meetings, or the lab

MEETING PLACE: Huntsville/Madison County Senior Center, 2200 Drake Ave, Huntsville, AL at 6:30pm.

DATE: Fourth Tuesday of each month except for April Auction, June picnic, Christmas Dinner and major holidays.

Federation Liaison: Huntsville Gem & Mineral Society, 131 Oakland Trace, Madison AL 35758

Attn: Les Bartel

**The Society is affiliated with the American Federation of Mineralogical Societies ,
the Southeast Federation of Mineralogical Societies, and the Dixie Mineral Council**

Federation Newsletters:

SFMS: www.amfed.org/sfms/lodestar_newsletter.html

AFMS: www.amfed.org/news/default.htm

DMC: http://www.amfed.org/sfms/_dmc/dmc.htm



2019-20 CALENDAR



- 24 Sep '19 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 11-13 Oct '19 HGMS Fall Show, Jaycees Bldg, 2180 Airport Rd, Huntsville AL
- 22 Oct '19 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 26 Nov '19 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 10 Dec '19 - Annual HG&MS Christmas Dinner
Date, Time, and Place to be determined
- 28 Jan '20 Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 25 Feb '20 Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 28Mar '20 Annual Rock Auction Fundraiser,
Jaycees Bldg, 2180 Airport Rd, Huntsville AL
- 28 Apr '20 Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 26 May '20 Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm

Deadline for Next Newsletter— October 12, 2019

**Dated material
Do not Delay**

Rocket City Rocks & Gems
 Bill Friday, Editor
 2508 Excalibur Dr.
 Huntsville, AL 35803
 September 2019