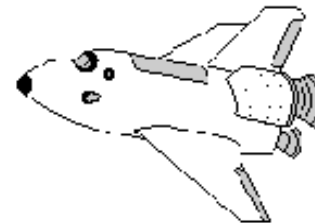
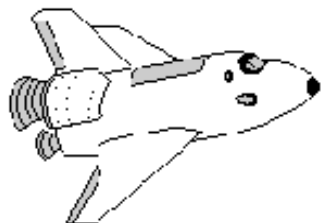


# ROCKET CITY ROCKS & GEMS



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

Volume 49 No. 7

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

July 2017

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## **Yellowstone National Park**

**With Yellowstone National Park in the news lately, come hear the latest, and older stuff too, about this truly amazing geologic phenomenon. There is much more to it than geysers and grizzly bears.**

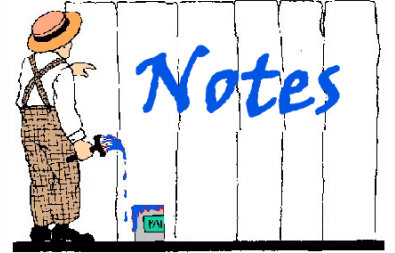


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### July 2017 President's Message



The most exciting event in June was the club picnic, held at the large shelter at Monte Sano Park. The weather couldn't have been better, the food couldn't have been tastier, and the fellowship couldn't be beat. Thanks to many, but especially to Caryl Nixon for getting the ball rolling before skipping out to Sweden; to Laura Carroll for bringing the BBQ and fixin's; to Shelley Curran for overseeing what was left after Caryl bailed; and to the many contributors to the feast. We may know rocks, minerals, and fossils, but we also know how to party!

The most exciting event in July (although it was arranged in June) is the club's display case in the Downtown branch of the Huntsville Public Library. If you haven't seen it, please go by. It will be there through the end of the month. It very effectively presents what the Society does and has posters publicizing our meeting times as well as the show in October. Thanks to Ruth Kemper (with, I suspect, some help from Robert) for designing the Show poster.

eslie Malakowsky took it upon herself to talk with the Library staff and to arrange the date and case for us to use. She, Bill Friday, and the metalworking group did most of the arranging and setting up of the case. Thanks to them and to the members who contributed items for the display.

Don't forget that the budget endorsed by the Executive Board in May and published in the June bulletin will be voted on by the members at the July meeting. We would like to have as many members as possible, to ensure a consensus.

I hope everyone is having a good summer, and that the rest of the summer will be even better.  
Mark Habercom, President

### **2017 HGMS Budget Review and Approval at the July Meeting**

The proposed 2017 Budget was published in last month's newsletter for HGMS members. Apologies from the Board for the delay, but there have been multiple extenuating circumstances. The HGMS has been operating to this point in the year on a continuing resolution of last year's budget. Please review the numbers for income and expenditures, and if any corrections need to be made, please pass them along to Clara Goode, our Treasurer. This budget will be brought up for vote to approve at the July 25th meeting.

### **The Summer Picnic at Monte Sano State Park was a great success!**

On Saturday, June 17, 2017, we met at Monte Sano State Park in Huntsville for food, fellowship, and some rock and jewelry dealing. There was an entire table reserved for kids to pick out some very nice specimens for a very special price (money going to the Pebble Pups program support). The playground was also nearby. We had reserved the large pavilion so there were plenty of tables in the shade, with restrooms in the building. The HGMS provided meats were excellent, complimented wonderfully by the variety of food offerings brought by members. Nobody went home hungry.

We stayed from 10 am until around 2:00. Based on the feedback from the attendees, we will very likely be back at the park next year, so if you missed this one, come on up in June 2018.

**Caryl Nixon, Hospitality Chair (in absentia in Sweden)**

## Christmas in July?

Some diligent, conscientious people do their Christmas shopping in July. I don't, but I do need to make plans for the HGMS Christmas party. Do you have a favorite restaurant with a private dining room for us to try this year? Would you like to go to Olive Garden, like we did last year? Would you rather have the party back at the Senior Center, as in years past, with a different menu this time? Do you like games and prizes, or do you just want to have the optional gift exchange and a chance to socialize? I welcome your input! Please call or text me at (256) 426-5061, or email me at [caryl.nixon@outlook.com](mailto:caryl.nixon@outlook.com)

Thanks, Caryl Nixon, Hospitality

### Fall Show Heads UP

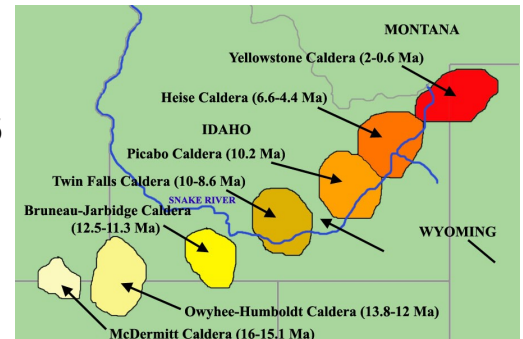
The show will be October 13, 14, & 15, with setup on the 12th. This will be our 50<sup>th</sup> show. It has been suggested that we try and do something special for this show because it is our 50th, more drawings, more activities, etc.. If you have any ideas please let Lowell or me know so we can decide which ones might be best. The more additional things we do, the more help we will need to do them. We will talk more about this at the July meeting. We need to start planning for work session(s) at the storage unit and for the mining flume (if needed).

**Please return any Show Yard Signs. These need to be updated to read 2017, and some of the wire frames need to be re-welded. Thanks.**

**Tony Smith** [tsmith@erc-incorporated.com](mailto:tsmith@erc-incorporated.com) 256-603-3095 & **Lowell Zoller** [Lzol@comcast.net](mailto:Lzol@comcast.net) (256) 534-8803

## July Program Preview—Yellowstone National Park

A rising column molten rock from the earth's interior has maintained a "hot spot" at approximately the same place in the Earth's mantle under Idaho and Wyoming for at least 16 million years, while the North American Continent slowly drifted to the southwest. Tracks from where the movement stopped and exploded over seven different spots across the region are still evident. The current one, the Yellowstone Caldera, last erupted 600 million years ago, blasting away an amount of rock equivalent to the combined area of Madison and Limestone Counties and over a mile deep, about 6000 times that of the recent Mt. St. Helens eruption. A smaller Yellowstone eruption occurred 70,000 years ago, and a new bubble is forming.



This wonderland is again in the news because of increased seismic activity from far below to near the surface. If you want to see it, you might want to plan a quick trip, but no timetable is given. Come to the July 25th meeting and learn about geysers and mudpots, Grizzlies, Wolves and Bison, and much much more.

## Rocket City Jewelers (RCJ) – July 2017, By Leslie Malakowsky

Hello jewelry makers! I hope you are enjoying the summer! June 7<sup>th</sup> I taught how to make a “Hurricane Toggle” – a wire and bead clasp in a freeform circular pattern like a hurricane. This project is a good way to use up leftover “odds and ends.” June 28<sup>th</sup> we met at the Huntsville main library for “Crafty Hours” - 2 hours of jewelry making featuring Huntsville Bead Society members and air conditioning! July 12<sup>th</sup> Myra Soroczak taught us how to make various wire links, add beads and connect the links to form a bracelet.

(Thelia finished hers – you go girl!) Myra brought samples, books, tools and much more.

Thank you Myra and Mike for loading/unloading all the materials and making the paint room bearable for us! (I know its summertime and many of you couldn't be there, so if you missed this class, we're considering offering another wire link class in the Fall/Winter. }

We meet every Wednesday from 6p.m. – 9p.m. in the Paint Room at the Huntsville Senior center. On open jewelry nights you can arrive later than 6p.m., but classes start promptly at 6p.m. with cleanup at 8:45p.m. (We must be out of the building at 9p.m.) Classes are once a month on the first Wednesday of the month (unless a change is announced).

Remember that the core goals of the RCJ are to learn new skills/techniques, share what we know, and have fun! If you have skills/projects that you'd like to learn/teach, please bring your ideas to the meetings or contact me. In addition to teaching, there are many ways to help keep the group going. Please come to the meetings and periodically check our Facebook page for updates and announcements.

### Upcoming Schedule:

**July 19<sup>th</sup> and 26<sup>th</sup>:** Open jewelry night – finish wire links bracelet, practice skills, work on individual projects.

**August 2<sup>nd</sup>:** Stone and Wire Bracelet. This deceptively simple bracelet is reminiscent of ancient jewelry unearthed from an archaeological dig. A wire is double back at each end, a stone focal bead is secured in the center, and a clasp is added. There will be a kit for purchase. The kit cost is TBA. The class size is 10. Registration is open. To reserve your space, contact me!

Lead instructor & Librarian: Leslie Malakowsky

Treasurer: Clara Goode

Kit Manager : Open (Shelley Curran, acting kit manager)

Facebook: Linda Haynes

Hospitality: Open

\*\*\*\*\*

## Metal Smithing/Silver Group by Kathy Bowman

**Note: We will not be meeting for our regular work sessions on July 20 and July 27.**

When we resume the first Thursday in August, anyone who is certified can come and join us to work on your projects when there is no scheduled classes. Instructors are available for “one on one” instruction and help on individual projects on work session nights.

**Certification Classes:** The Sign Up sheet for Certification classes starting in August has disappeared so we will have a new sign up sheet at the July meeting. If you signed up on the missing sheet at the May meeting, please sign the new one. We apologize for the inconvenience. If you will not be at the July meeting, and previously signed up (or now want to sign up for certification) please send email with your contact information (name, phone number, cell phone # for text messages, and email address) to [HGMS@wildivystudio.com](mailto:HGMS@wildivystudio.com). I will add your name to the list. As always, if there are more than 10 people, we will have two classes and draw numbers to determine each class. We will let you know which date of your class after the August 3<sup>rd</sup> drawing. The tentative dates for the classes will be Thursday, August 24 or Thursday, August 31. ***Please Note: The Certification classes will start at 5:30 pm instead of 6 pm so that we can have safety certification before we start the pendant.*** Any student that is not able finish the pendant can come back on Sept 14<sup>th</sup> and continue to work on it at our regular Thursdays work sessions. Instructors will be there to help you. We apologize for the wait between the certification class and the work session but we currently have only 2 instructors and a limited amount of tool boxes available so we are not able have a work session to finish the certification pendant on September 7th.

*Continued next page*





## Metal Smithing/Silver Group (continued)

### Upcoming Project Class:

The next project class will be September 7, 2017. We will be making a wire frame pendant with prongs for a square or rectangular cab. The signup sheet for this class will be available at the **August** HGMS meetings and on Thursday nights from 6:00 to 9:00 pm. I will have some cabs available to purchase if you don't have one that is suitable for the project. This is not a good first project for total beginners, but it is not difficult if you have previous experience soldering a few pieces before attempting this class.

### Volunteer Positions \*

Class Instructors:

Toolbox Sign-outs

Inventory Manager

Store Manager

Kit Manager

Webpage & Social Media Management

Kathy Bowman & Shelley Curran

Chris Kalange

Beth Durham

**Open**

Shelley Curran

Deb Neis & Linda Haynes



**\*Please note we are all volunteers and most of us have jobs outside of HGMS. Schedule is subject to change.**

## Brad's Bench Tips

"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon [www.BradSmithJewelry.com](http://www.BradSmithJewelry.com)

Announcing Brad's latest jewelry techniques book for those who like Southwest-style stamped jewelry. Both Kindle and paperback editions are on Amazon at <http://amzn.to/2fvf58T>



### FANCY RIVET HEADS

For a nice looking rivet head, use brass escutcheon pins. You'll have perfectly rounded heads that are all the same size and shape. The pins are a little hard to find, so try the best hardware stores first. Be sure to get solid brass pins, not brass plated steel. If unsure, test them with a magnet.

The pins are readily available online. Lee Valley Tools has them in 14 - 18 gauge and lengths from 1/4 inch to 1 inch. Go to <http://www.LeeValley.com> and do an item search on "brass escutcheon pin"

For best results, select a drill that gives you a hole with a close fit to the rivet. Trim the rivet to a leave a little less than one diameter sticking out the back side. Place the head on a scrap of hard plastic on the anvil so as to not flatten the head. I prefer a ball peen hammer (with a small 3/8 inch ball) for setting the rivet.



### EASIER PRONG SETTING

When setting stones in a prong mount, the tool is less likely to slip off the prong if you grind a groove into its face or rough up the face a bit with sandpaper. Some folks prefer a prong pusher for doing this, and others like a set of pliers.

The easiest way to create a slot on the pusher is with a file, and the easiest way to create a slot on one jaw of your pliers is with a cutoff wheel. Then rough polish the slot with a medium grit, knife-edge silicone wheel.

## Pebble Pups -

**Thursday May 25, 6:00 to 7:00pm**

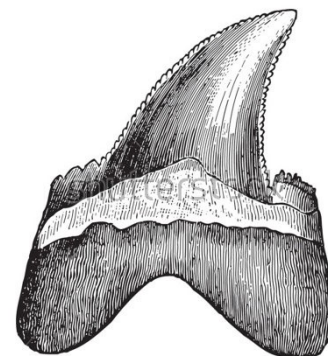
**Madison County Senior Center Cafeteria**

Please RSVP to Brian, **256-746-0641**,  
bburgess771@gmail.com



## Sharks at the July Meeting

One of the main things we will be finding this month in the sediments of Twenty Mile creek will be shark teeth. Directions below. So the program for this meeting will discuss sharks—teeth, and everything else interesting about these so-called bad guys of the sea. They have been around in their present form for a very long time.



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We are also planning to visit the Steven Minkin Tracksite east of Jasper AL. This site features rock layers containing fossil footprints of lizards from 400 million years ago.

Brian is working to get us permission to enter from the Alabama Paleontological Society. Details will be provided once the trip is formalized. Directions below.

Kids ages 8 through 15 are invited to join this Junior Rock Enthusiasts Group. All participating families must have Family-Member status (the \$20 rate, no extra fee) in the HGMS and an adult family member must be present during the meeting. **We meet at the Madison County Senior Center, 2200 Drake Ave, Huntsville AL. in the Cafeteria. Thanks**

### Upcoming Meeting Schedule—

July 27      August 24      September 28  
October 26    November 30,  
No December meeting

### Field Trips:

**Twenty Mile Creek near Booneville MS July 29th**

**On US Hwy 45, 3.4 miles south of MSHwy 30**

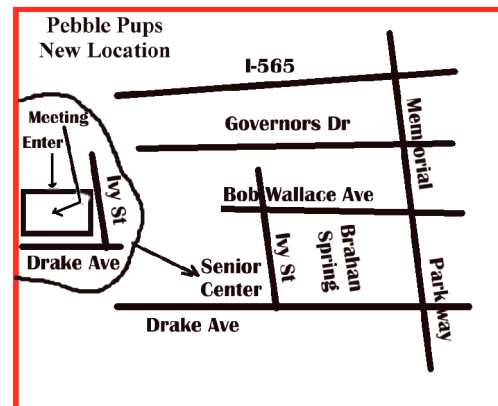
Exit east on County Hwy 7450 and turn back toward the bridge,  
GPS 34°35'10". We will carpool from the Senior Center at 8:30,  
following US Hwy 20/Alt US Hwy 72 to Corinth MS, then south on US 72.

**Steven Minkin Tracksite near Jasper AL hopefully in July—date yet to be determined.**

We carpool from the Senior Center at 8:30, and will take Hwy 231 south from Huntsville to Arab AL, then AL Hwy 69 to Jasper, including a short section on Interstate 65.

We will re-group at the Jasper AL WalMart on ALHwy 5, GPS 33°50'39" 87°15'15" and will further carpool from there to the mine.

If anyone has any questions, please contact Brian or Bill



## Mineral of the Month – Beryl (var. Aquamarine)

By Leslie A. Malakowsky

Beryl is a [mineral](#) composed of [beryllium aluminum silicate](#) with the formula  $\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$ . Pure beryl is colorless, but traces of impurities (foreign material within a mineral that is not part of its integral structure) cause color diversity and varieties – most notably emerald and aquamarine. Aquamarine is the March birthstone. It can be blue, pale blue, green-blue, sky blue, deep sky-blue or colorless, but pale blue is the most popular color. The various blue shades are attributed to the presence of  $\text{Fe}^{2+}$  ions.

Aquamarine is a member of the cyclosilicate (or ring silicate) class of silicate minerals. Ring silicates have linked tetrahedra with silicon causing a characteristic silicon:oxygen ratio of 1:3. (Aquamarine has 6-member rings.)

Naturally occurring, [hexagonal crystals](#) of aquamarine can be up to several meters in size, but terminated crystals are relatively rare. Other physical characteristics include: crystal habit: prismatic to tabular, radial, columnar, granular to compact massive; cleavage: imperfect; fracture: conchoidal to irregular; tenacity: brittle; hardness: 7.5 – 8; luster: vitreous to resinous; streak: white; diaphaneity: transparent to translucent; and specific gravity: 2.76.



Aquamarine occurs most frequently in granite pegmatites at most localities that yield ordinary beryl. Aquamarine also occurs in mica schists in the Ural Mountains and in limestone in Colombia. Beryl (and aquamarine) are found in Europe in [Norway](#), [Austria](#), [Germany](#), [Sweden](#) (especially the variety morganite), [Ireland](#) and [Russia](#), as well as [Brazil](#), Colombia, [Madagascar](#), [Mozambique](#), [Pakistan](#), [South Africa](#), the United States, and [Zambia](#). In the United States, beryl is found in [California](#), [Colorado](#), [Connecticut](#), [Georgia \(the Hogg Mine!\)](#), [Idaho](#), [Maine](#), [New Hampshire](#), [North Carolina](#), [South Dakota](#) and [Utah](#).

The name *aquamarine* is derived from [Latin](#): *aqua marina*, meaning “water of the sea.” When I think of this gemstone, I imagine a cool ocean of clear blue water; an oasis from the heat of the summer. Clear yellow beryl, such as that occurring in Brazil, is sometimes called *aquamarine chrysolite*.

All varieties of beryl may be faceted into various gemstone cuts, but emerald and aquamarine are the most important and well-known for creating jewelry. A deep blue version of aquamarine called *maxixe* is commonly found in Madagascar. Its color fades to white when exposed to sunlight or subjected to heat treatment, though the color returns with irradiation. Light green beryl can be transitioned into aquamarine if heated to 750deg. F. Also, the green hues in aquamarine can be removed by heat treatment, so buyer beware. Whether you’re purchasing jewelry or seeking respite from the summer heat, I hope you enjoy this beautiful gemstone!

References: [wikipedia.org](http://wikipedia.org), [mindat.org](http://mindat.org)



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### HGMS Display at the Main Huntsville Library

In the Main Branch of the Huntsville Library, we have established a four shelf display of the kinds of things we do. There are fossils on the lowest level, where kids will most easily see them. Above that is a shelf of labeled minerals of all sorts.

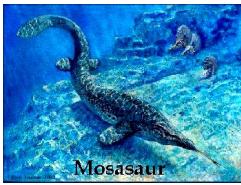
On the third shelf is a dazzling array of jewelry created by our own talented artisans, at easy viewing height for most ladies. At the top are featured some of the many industrial activities in Alabama which involve geology in one form or another. These are up where taller men will have a good view.

On the top are posters informing viewers who we are and highlighting our upcoming Fall Show.

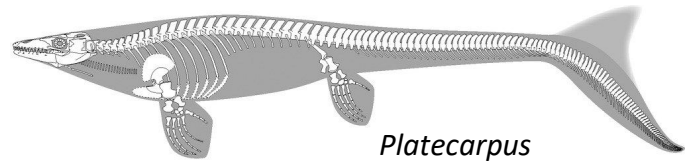
Not that this arrangement is ideal for all viewers, but it is attractive, informative, and colorful. It will be in place for the rest of July.







# Mosasaurus - “Meuse Lizard”



*Platecarpus*

What is a Mosasaur?

By Bill Friday

Mosasaurus were not Dinosaurs - they were reptiles, kin to snakes and Monitor Lizards. Their name derives from the Meuse River in Holland where one of these was found in 1764, and it became the first large scale described fossil, thus launching the new scientific field of Paleozoic Studies.

Even though they were aquatic, these great beasts still breathed air, like whales today. Mosasaurs are considered one of the Great Marine Reptiles that ruled all of the earth's oceans during the Cretaceous period from around 100 million years ago (mya) until they disappeared along with most other of Earth's lifeforms around 65 mya during the Cretaceous/Tertiary Extinction Event. Other marine reptiles living concurrently included the dolphin-like **ichthyosaurs**, the long-necked **plesiosaurs**, and the short-necked **pliosaurs**.

During the Cretaceous time period, North America spanned the equator, and was split in half by the warm shallow Western Interior Seaway. The sea was roughly 300 miles wide and ran from Texas northward through the central United States into Alberta and out the Northwest Territories. It was the habitat of numerous types of mosasaurs. Part of this seaway is preserved throughout Texas, Kansas, and into the Dakotas as the Smoky Hill Chalk and the Pierre Shale. These formations contain a diverse fauna, including other large vertebrates such as the Pterosaurs (Flying Reptiles), Giant Sea Turtles, Giant Fish, and Sharks. They have been found in Cretaceous outcroppings along the East and West coasts of the United States, and in Alabama and Mississippi. The author of this article found two flipper bones in a creek bank in his back yard near Columbus MS.



*Flipper bones*



*Flipper from the mosasaur Clidastes propython*

Once mosasaurs evolved from earlier reptiles and returned to the seas, they rapidly diversified. Numerous subfamilies, genera, and species appeared near-globally throughout the Cretaceous. The three most common fossil mosasaur genera found are Tylosaurus, Platecarpus, and Clidastes. Although each genera had slightly different morphological features, they all shared similar traits. Mosasaurs were long and sleek, ranging in length from 3' to 50'.

Their jaws contained numerous sharp conical teeth set in two rows - a larger set around the edges of the jaws and a smaller set farther back in the roof of the mouth, designed to catch and hold prey while they tore and swallowed it. Their jaws were double hinged, meaning they could greatly expand in order to swallow prey whole. They were fast agile swimmers, propelling themselves through the water with their body rigid, swishing their long tails like modern Crocodiles. Their diet included anything they could catch. Fossil skeletons have been recovered containing parts of ammonites, bony fish, sea turtles, plesiosaurs, sharks, sea birds, and even smaller mosasaurs. Fossil skin impressions indicate that mosasaurs had a scaly skin, similar to a snake.



*Dolphin-like Ichthyosaur*



*Plesiosaur*



*Platecarpus mosasaur skull, By Daderot [CC0] from the Senckenberg Museum*



*Mosasaur teeth*

Reference—<http://www.fossilguy.com/gallery/vert/reptile/mosasaur/index.htm#facts>

Platecarpus Skeletal and Body Outline Reconstruction By Johan Lindgren, Michael W.

Caldwell, Takuya Konishi, Luis M. Chiappe [CCBY2.5], [via Wikimedia Commons](https://commons.wikimedia.org/wiki/File:Platecarpus_skeletal_reconstruction.jpg)

<http://www.fossilguy.com/gallery/vert/reptile/mosasaur/index.htm#facts>





# 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  
Copyright © All rights reserved.

An Official Field Trip of the Gaston Gem Mineral and Faceter's Club (Gastonia, NC) (HOST)  
An Official Field Trip of the Huntsville Gem & Mineral Society, Huntsville AL

**Saturday, August 26, 2017, 8:30AM - 4PM Eastern**  
**Propst Farm, Lincoln County, NC**

**TRIP:** The property recently reopened after several months following the passing of Mrs. Propst. The property has been producing **corundum**, since the 1960's. Digging will take place in front and behind the barn as well as other possible areas designated by the current owner, Ronald Lineberger

**FEE:** \$25 per person

**COLLECTING:** Some large and unusual corundum specimens have been coming out of the ground recently including a large Kyanite included specimen and a small clear ruby. Good specimens of magnetite and quartz crystals are occasionally found. The ground is hard packed red clay. Digging can be easy or moderately hard depending on the location and depth of the hole you dig.

**BRING:** Long and short shovels and small or large buckets minimum. 1 inch and half inch classifiers, small picks, tarps and probing tools may come in handy. Bring water or soft drinks and snacks. An extra change of clothes may be needed as the ground is red clay.

**REQUIREMENTS:** All collectors will be required to sign a permission / liability form and pay \$25 before setting up to dig. Digging is allowed in the designated areas only. All holes **MUST** be filled in before you leave the property.

**SPECIAL CONDITIONS:** Parking is on the grass near the dig area

**CHILDREN:** Allowed with parental supervision.

**PETS:** Allowed on leash only.

**FACILITIES:** There is no toilet but there is a service station with facilities at the exit of HWY 321 and Startown Road.

### ADDITIONAL INFORMATION:

**Address:** Propst Farm - 3668 Startown Road, Maiden NC 28650

**Lodging:** Rooms are available in nearby Lincolnton NC or Hickory NC.

### DIRECTIONS AND WHERE TO MEET:

About 13 miles south of I-40 via US321 and Startown Road or

About 26 miles north of I-85 via US321 and Startown Road

Dig is on residential land, pull in between 2 brick houses - Look for a sign on road where to turn in. **GPS 35°33'16" 81°16'11"**

### CONTACT:

Lorell Dunlap, Field Trip Chair – Gaston Gem Mineral and Faceters club. Phone: 704-692-1272 E-Mail: [Lorell\\_Dunlap@yahoo.com](mailto:Lorell_Dunlap@yahoo.com)



## July Birthdays

2 Katie Beth Allen	11 Emma Steelman
2 Melissa King	12 Lucy Allen
5 Dolores Kuettner	12 Kathryn McCullough
6 Isaac Burgess	13 Jerry McDaniel
6 AnneMarie Hall	14 Beth Durham
6 Ken McCormick	19 Erick Finckenor
6 Samantha Steele	21 John Lindberg
7 John Cofield	22 Mindy Schell
7 Tom Detwiler	25 Sharon Bedard
8 Helen Thomas	26 Fritz Detwiler
9 Liz Cooper	26 Clara Goode
10 Sarah Jennings	27 Angela Kowalczyk
11 Elizabeth Raines	30 Bruce Kowalczyk

## Anniversaries

3 Jim & Bonnie Treadway
11 David & Nancy Hosmer
13 Jerry & Cynthia McDaniel
22 Allen & Sharon Brantley
23 Clara Hayes

## August Birthdays

1 Lawana Cowart	17 Mary Lauren Thompson
2 Joyce Walters	18 Will Bryan
2 Lawrence Nelms	18 Karen Ryan
4 Brooks Glover	19 Barbara Decklman
6 Devona Hawkins	19 Jimi Sitko
6 Kayla Wilson	20 Johanna Bray
8 Monica Vosper	20 Emily King
10 Steven Basham	21 Hunter Raines
10 Jackson Herman	22 Scott McCoy
11 Ray Hunt	22 Steven Priest
12 Mike Elrod	24 Karen Allen
13 Randy Kilgore	25 Debora Neis
14 Larry Schreckengost	25 James Raines
14 Mary Spaulding	28 John Burford
15 Howard Kuettner	28 Evan O'Dell
15 Jan McGee	30 Ivy Pline
17 Marlene Hopkins	31 Lauren McCullough

## Anniversaries

1 Clara & Mike Goode	19 Julie & Tim Eve
3 Brian & Karen Allen	25 Jim & Ola Ann Lee
4 Florence Mims	26 Chris & June Kalange
9 Lowell & Betty Zoller	27 Elizabeth Lewis
18 Julia & Steven Priest	29 Samantha & James Steele
18 Jacob & Teresa Roberts	30 Chris Stewart

## July 2017 - Senior Center Lapidary Lab Schedule

### Lapidary, Silver Jewelry and Wood Carving—

To use lapidary equipment, you must be certified unless a licensed instructor is present  
- currently: B. Friday, Chris Kalange, & Joe Bonin

<b>Monday</b>	<b>7:30am-9:00am</b>	<b>Open Lab: Lapidary, certified HGMS 60+</b>
	<b>9:00am- Noon</b>	<b>Silver Jewelry - Ron West, Instructor - Seniors &amp; HGMS 60+</b>
	<b>Noon-4:30pm</b>	<b>Open Lab: Lapidary, certified HGMS 60+</b>
<b>Tuesday</b>	<b>7:30am-9:00am</b>	<b>Open Lab: Lapidary, certified HGMS 60+</b>
	<b>9:00am—Noon</b>	<b>Silver Jewelry - Ron West, Instructor - Seniors &amp; HGMS 60+</b>
	<b>Noon -3:00 pm</b>	<b>Silver Jewelry- Terry Clarke, Instructor - Seniors &amp; HGMS 60+</b>
	<b>3:00pm-4:30 pm</b>	<b>Open Lab: Lapidary, certified HGMS 60+</b>
<b>Wednesday</b>	<b>6:00pm-9:00pm</b>	<b>Open Lapidary &amp; Open Jewelry - certified HGMS 18+</b>
	<b>7:30am-4:30 pm</b>	<b>Open Lab: Lapidary - certified HGMS 60+</b>
	<b>6:00pm-9:00pm</b>	<b>Lapidary &amp; Jewelry Classes - certified HGMS 18+</b>
<b>Thursday</b>	<b>7:30am-9:00am</b>	<b>Open Lab: Lapidary - certified HGMS 60+</b>
	<b>9:00am-11:30am</b>	<b>Silver Jewelry- Ron West, Instructor - Seniors &amp; HGMS 60+</b>
	<b>Noon-3:00pm</b>	<b>Wood Carving - Copeland, Instructor - Seniors &amp; HGMS 60+</b>
	<b>3:00pm-4:30 pm</b>	<b>Open Lab: Lapidary -certified HGMS 60+</b>
<b>Friday</b>	<b>6:00pm-9:00pm</b>	<b>Metal Smithing &amp; Jewelry Classes— HGMS 18+</b>
	<b>7:30am-12:00am</b>	<b>Open Lab: Lapidary - certified Seniors &amp; HGMS 60+</b>

## 2017 HUNTSVILLE GEM &amp; MINERAL SOCIETY OFFICERS

President: Mark Habercom 256-340-8604

[mhabercom@energize.net](mailto:mhabercom@energize.net)

Vice President— Vacant

Recording Secretary: Beth Durham

[leabethdurham@yahoo.com](mailto:leabethdurham@yahoo.com)

Treasurer: Clara Goode, 256-883-9194

[clarag1964@gmail.com](mailto:clarag1964@gmail.com)

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## 2017 COMMITTEE CHAIRS

Membership: Bill Friday— 256-527-8227

[bill.friday@earthlink.net](mailto:bill.friday@earthlink.net)

2508 Excalibur Dr. Huntsville AL 35803

Scrapbook: Dianna O'Dell, 256-828-1813

Librarian: Leslie Malakowsky, 256-755-0479

Club Publicity: open

Field Trips: Brian Burgess, 256-746-0641

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[falkenbergwp@comcast.net](mailto:falkenbergwp@comcast.net)

(William Holland offers a class for this)

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

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

[Lzol@comcast.net](mailto:Lzol@comcast.net)

Show Volunteer Chair: Joe Bonin, 256-859-9711

[sixjsonef@yahoo.com](mailto:sixjsonef@yahoo.com)

Show Publicity Chair: Tony Smith, 256-852-3210

Show Treasurer: Clara Goode, 256-883-9194

[clarag1964@gmail.com](mailto: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 and artifacts.

**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](http://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, 2705 Jarvis St SW, Decatur AL 35603, Attn: Charlie Willhoite

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](http://www.amfed.org/sfms/lodestar_newsletter.html)

**AFMS:** [www.amfed.org/news/default.htm](http://www.amfed.org/news/default.htm)

**DMC:** [http://www.amfed.org/sfms/\\_dmc/dmc.htm](http://www.amfed.org/sfms/_dmc/dmc.htm)





# 2017 CALENDAR

- 25 Jul '17 - Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 22 Aug '17 - Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 26 Sep '17 - Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 13-15 Oct '17 - Fall HGMS Gem Jewelry & Mineral Show -  
Jaycees Bldg, 2180 Airport Rd
- 24 Oct '17 - Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 28 Nov '17 - Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 5 Dec '17 - Christmas Dinner - Details to be announced later
- 23 Jan '18 - Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 27 Feb '18 Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 27 Mar '18 - Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm

Deadline for Next Newsletter— August 19, 2017

## Rocket City Rocks & Gems

Bill Friday, Editor  
2508 Excalibur Dr.  
Huntsville, AL 35803

HGMS July 2017

**Dated Material**  
**Do not Delay**