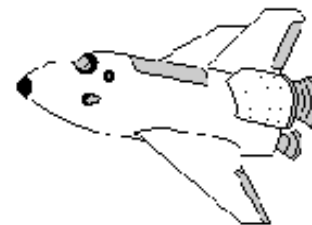
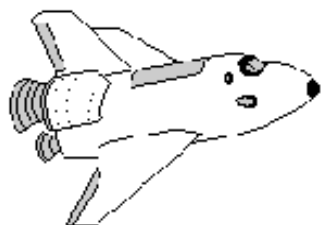


# ROCKET CITY ROCKS & GEMS



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

Volume 49 No. 6

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

June 2017

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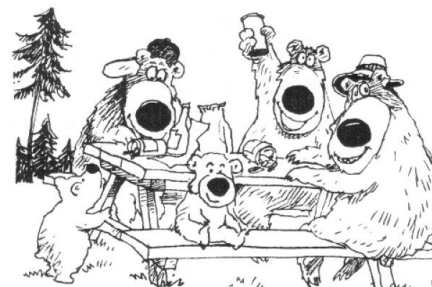
## **June Picnic**

The HGMS will provide the meat, drinks, and paper products. Please bring your favorite potluck offering. We will depend on there being sufficient diversity of menu items that no specific requests are being made.

When you enter the park at 5105 Nolen Ave, tell the gate-keeper that you are with the HGMS and there will be no fee. Take the first right after you get into the Park.

There will be a general rock swap/buy/sell as usual - feel free to bring your treasures and/or your pocketbook.

There will also be a Kids' Area with specially low-priced rocks, slabs, etc for purchase.



Courtesy Stillwater (OK) Mineral & Gem Society - Jul08

Visit us at [www.huntsvillegms.org/](http://www.huntsvillegms.org/) and [www.facebook.com/HuntsvilleGMS](https://www.facebook.com/HuntsvilleGMS)



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## Minutes of the May 23, 2017 Board Meeting

The board members discussed the budget, voted and approved the budget. The budget will go into the June Newsletter for next step of approval.

## Minutes of the May 23, 2017 HGMS Meeting

President Mark Habercom opened the meeting at 6:30pm. He introduced Beth Durham as the new recording secretary of HGMS.

**Fall Show:** The show chairman, Tony Smith discussed the upcoming fall show for HGMS.

We need volunteers to assist setup the day prior to the show.

See our new volunteer coordinator – Joe Bonin.

This is HGMS's 50<sup>th</sup> show and we want to make it special!

One idea for the fall show is Dinosaur / reptiles

We do have 5 to 6 display cases to use. Discussion on how to best use these cases. The first case display could be the mineral collections, the second could be jewelry. Suggestions welcome!

We will have a children's program area, and request ideas on that.

Tony is working to get an ATM to have at the show.

Discussed what kind of door prizes to use. Suggestions are welcome.

More publicity for the show is required.

Could add more billboards

Does anyone have contacts at the radio and TV stations? If yes, contact Tony.

Word of mouth was the best advertisement last year.

Could make use of the Huntsville Public library front display. Leslie Malakowsky knows a POC at the library that could help.

Could get a very large cake to have at the show.

The show is fully booked for vendors.

The cub scouts dropped the Geology activity badge, however, the boy scouts still offer the Geology merit badge. This impacts the show as the cub scouts normally would bring in a few dozen kids and an adult per group.

Closing remarks about the show. Please be thinking about what activities and what volunteers we need at the Fall Show.

Send Lowell and Tony an email if you want to volunteer or if you have suggestions.

### Jewelry Activities:

Kathy Bowman announced that June 1<sup>st</sup> there will be a neck wire class

Leslie Malakowsky made a few announcements.

She will be teaching at Michaels on Tuesdays, and moved jewelry to Wednesdays beginning in June.

June 7<sup>th</sup> class night will be a surprise!

July – no class on 5<sup>th</sup> due to the holidays, but Leslie will be at the center if anyone wanted to join in on some jewelry fun.

Project in September will require beach pebbles. Roughly about 2x2 polished, maybe 3/8 thickness, flat. Something good for pendants. If anyone goes to the beach, please collect some good pebbles, maybe about 15 or so. Please don't bring in huge bags full, just a few. Only require a few dozen for class.

### Hospitality—Caryl Nixon

Reminder of the Picnic at Monte Sano State Park on June 17, 2017. At the gate, tell them you are with HGMS, and there's no fee. Shelley agreed to take the sodas and cups. Laura will pick the Teds BBQ. Need a volunteer to setup the warming trays, table cloths. Picnic is 10 am to dark, or closing

**Minutes Continued on next Page**

**May Minutes Continued****Other Announcements:**

The board agreed on the 2017 budget.

It will be published into the June newsletter for vote in July.

Refreshments. Do we want a full spread, or just a partial spread at the Tuesday meetings?

What does everyone really want for refreshments?

Bryan reminded everyone about the Field trip to Cane's Creek on May 27<sup>th</sup>. Meet in the parking lot at 7:45am, and leave out at 8:10am. The announcement is in the May newsletter.

**Speaker**

We had a great speaker Tuesday night, Gene Powers. He provided a presentation regarding fossils of the Cenozoic era, and where to find them in Alabama. He presented several of his personal findings and adventures to the group.

**Meeting minutes submitted by Beth Durham, Recording Secretary.**

**Summer Picnic at Monte Sano State Park! Food! Rock Swap & Sale!**

The HGMS Picnic is fast approaching! On Saturday, June 17, 2017, we will meet at Monte Sano State Park, 5105 Nolen Ave., Huntsville, AL 35801. Since we have reserved the large pavilion, our picnic attendees do not have to pay an entrance fee. Just tell the people at the entrance that you are going to the HGMS Picnic.

We have the pavilion all day, from 10 am until closing. If you have rocks you'd like to swap and/or sell, here's your chance! There will be a Kids' Rock Area. Watch out for poison ivy around the picnic area.

For the meal, HGMS provides meat, paper products and drinks. The rest is pot luck! Everybody provide a dish of their choice.

Have fun!

**Caryl Nixon, Hospitality Chair**

**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

Presented below is the proposed 2017 Budget. 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.

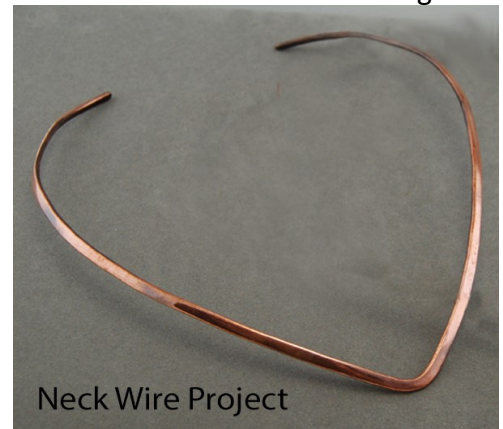
<b>2017 Proposed Budget</b>			
<b>Huntsville Gem and Mineral Society</b>			
<b>Projected Income</b>			
Balance on hand	\$5,250.00		
Membership	\$1,600.00		
Auction	\$3,000.00		
<b>Total Income</b>	<b>\$9,850.00</b>		
<b>Expenditures</b>			
Chairpersons Budget			
Auction Jaycees building	\$350.00	Senior Center Meeting Room	\$350.00
Club Publicity	\$250.00	Equipment repairs and replacement	\$1,000.00
Liaison	\$0.00	Sr. Center Lapidary Shop	\$1,000.00
Field Trips	\$250.00	SFMS Membership Dues	\$1,200.00
Hospitality	\$400.00	Insurance for Auction only	\$220.00
Membership	\$50.00	Huntsville Arts Council	\$80.00
Pebble Pups	\$550.00	Publication of Bulletin	\$650.00
Programs	\$200.00	Postage to Mail Bulletin	\$450.00
Activities Jewelry	\$350.00	SFMS Convention Attendees	\$200.00
Metalsmithing - Begin	\$330.00	Workshop Scholarships	\$600.00
Metalsmithing - Advanced	\$410.00	Website and Domain	\$105.00
Property	\$0.00	Picnic Facility & Food	\$400.00
Scrapbook	\$50.00	Christmas Dinner	\$100.00
Treasurer	\$75.00	Library Memorial Fund	\$100.00
Miscellaneous	\$30.00	Material for Schools/Museums	\$100.00
<b>Subtotal</b>	<b><u>\$3,295.00</u></b>	<b>Subtotals</b>	<b>\$6,555.00</b>
<b>Total Budgeted Expenditures</b>			<b>\$9,850.00</b>

## Metal Smithing/Silver Group by Kathy Bowman

### Upcoming Project Classes:

We had a full class for the Neck Wire project on Thursday, June 1. We had a great time hammering and everyone in the class left with two new neck wires.

We do not have “official” Project classes scheduled for July and August. The next project class (TBD) will be September 7, 2017, and will be announced in the July newsletter. The signup sheet for this class will be available at the July and August HGMS meetings and on Thursday nights from 6:00 to 9:00 pm.



We will continue to meet on Thursday evenings from 6-9 pm for work sessions with the exception of the last 2 weeks in July. **The group will not meet July 20 and July 27.** Anyone who is certified can come and bring their projects to work on Thursdays nights. Instructors are available for “one on one” instruction and help on individual projects those nights.

**Certification Classes:** We had a sign up sheet for the new round of Certification classes at the May meeting. We are still taking names for those who are interested in taking the class but missed the signup at the meeting. Email your name and contact info to [mindy.schell@yahoo.com](mailto:mindy.schell@yahoo.com). **Deadline for signup is July 5<sup>th</sup>** and the drawing will take place at the Thursday, July 6<sup>th</sup> Group meeting. As usual, if more than 10 people sign up we will have a 2<sup>nd</sup> session. The classes will start in early August and we hope to get everyone who signed up certified during that month so they will be ready for fall project classes.

### **Volunteer Positions \***

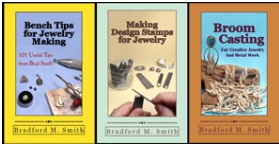
Program Manager	Mindy Schell
Metal Smithing Lead Instructor	Kathy Bowman
Metal Smithing Project Instructors	Shelley Curran & <i>Opening</i>
Safety Instructors	Mindy Schell & <i>Opening</i>
Toolbox Sign-outs	Chris Kalange
Inventory Manager	Beth Durham
Store Manager	<b><i>Opening</i></b>
Kit Manager	Shelley Curran
Webpage & Social Media Management	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)

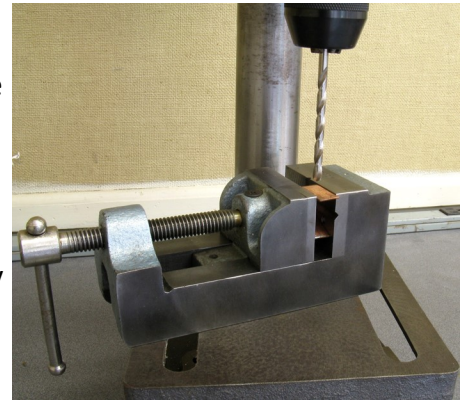
Announcing Brad's latest jewelry techniques book for those who like Southwest-style stamped jewelry. Both Kindle and paperback editions are on Amazon at <http://amzn.to/2fvf58T>



### DRILL PRESS VISE

A drill press vise is a versatile tool to hold a workpiece securely and in precise alignment. It reduces the risks of working with high power motors, use of larger drill bits, and higher heat generated in the operation. The vise can be clamped to the drill press table if needed and is quite handy for use at the bench to hold things for sawing or riveting.

You can find them at stores that carry machine tool supplies. My feeling is that the best ones are made from steel. In particular, I like the ones with V grooves cut into the jaw plates. That lets me hold a punch straight upright or hold a rod horizontal. To find a supplier, search on "drill press vise" at sites like micromark.com, mscdirect.com/enco, smallparts.com, grizzly.com, and sears.com



### DENTAL GOLD

You might think that a couple pieces of dental gold would be valuable, but if you only have a small amount, it can be a problem. Sending it to a refiner is expensive for small amounts of metal.

I made the mistake of thinking I could melt it and roll out my own sheet. However, the trace metals that dental gold contains to make it a good material in your mouth cause it to crack if you try to forge it or roll it out as a sheet. It ruined my whole ingot.

So what to do with a couple of gold crowns? A reasonable alternative is to try incorporating the metal into your jewelry. If you have enough material to do a casting, that's probably the best use for dental gold. If you're not into casting, try melting it on a solder pad and while molten, divide it into small pieces with your solder pick. Then re-flow each piece to make little gold balls for use as accents on your designs. The balls can also be planished a bit to make small discs or struck with a design stamp to add texture.



## Pebble Pups -

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

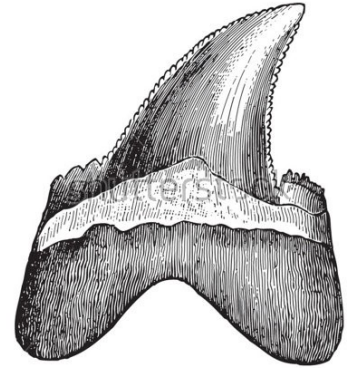
**Madison County Senior Center Cafeteria**



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

## Sharks at the July Meeting

There will be no Pups Meeting in June, since we had the trip to Cane Creek and will have the Kids' Area at the Picnic for you to get bargain prices on rocks and minerals.



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One of the main things we will be finding next month in the sediments of Twenty Mile creek will be shark teeth. So the program for that 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.

We have expanded the age range **to include kids up through age 15.**

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 are now meeting at the Madison County Senior Center, 2200 Drake Ave, Huntsville AL. in the Cafeteria. Thanks**

### Next Meeting Schedule—

July 27    August 24    September 28

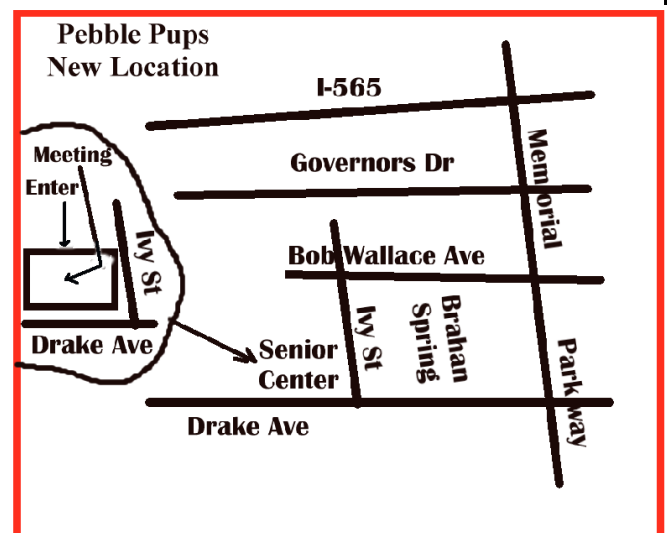
October 26    November 30,

No December meeting

### Field Trips:

**Twenty Mile Creek near Booneville MS July 29th**  
**Steven Minkin Tracksite near Jasper in July**

If anyone has any questions, please contact Brian or Bill



# Cephalopods

by Bill Friday

A **Cephalopod** (Greek plural *kephalópoda*; "head-foot") is any member of the Molluscan Class such as a squid, octopus or nautilus. These exclusively marine animals are characterized by bilateral body symmetry, a prominent head, and a set of arms or tentacles modified from the primitive molluscan foot. There are about 17,000 named species of fossil cephalopods. All cephalopods are carnivorous.

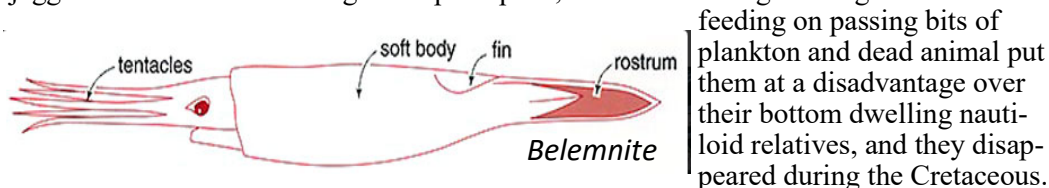
They first appeared in the Cambrian seas around 510 Million Years Ago, as tiny creatures a few millimeters long with crude chambered shells, having a characteristic siphuncle, or tube that connected the chambers of the shell. They apparently either used their chambers to drift along like a jellyfish, seizing plankton with their arms, or were snail-like creatures crawling along the sea-bed using their arms to search for food. They were dominated by the larger more mobile arthropods, including trilobites.

In just fifty or so million years these tiny insignificant animals evolved into giants as long as thirty feet, such as the *Cameroceras*, in effect swapping roles from prey to trilobites to predators of the same. This was the Ordovician period (488 mya). Certainly many factors were at work in this evolution. The world spun faster on its axis than it does today - a day would have lasted just twenty-one hours, with no fewer than 417 such days crammed into a single year. The Moon was closer, causing much more extreme tidal ranges than the present. The air would have been harder for us to breathe with higher levels of carbon dioxide, but at that time 15% oxygen was much higher than in previous times and was probably a huge factor in the Cambrian Explosion of different life forms. Almost all of the current marine phyla appeared, though most were represented by classes that have since gone extinct or faded in importance. The continents were mostly grouped in the southern latitudes, desert-like and devoid of any plant or animal life.

Clearly the lineages of the extinct cephalopod taxa were prolific and diverse. Paleontologists have identified three distinct fossil clades that are entirely lost: Endoceratoidea, Actinoceratoidea, and Bactritoidea. All members of these clades were squid-like, but had straight external shells called orthocones. They flourished between the Ordovician and Triassic periods (200 mya) with shells that, in some species, reached nearly 10 meters in length.

Nautiloids are the earliest cephalopods found in the fossil record, appearing by the Late Cambrian (500 mya). The earliest forms had straight shells, but during the Ordovician they experienced a rapid diversification and evolved a shell shape coiled in a single plane. All had shells with internal chambers interconnected by a siphuncle, similar to modern nautilus.

Two important extinct taxa are the ammonites and belemnites. The morphology of many of the ammonoids first appeared in coiled form in the Devonian Period. Though nautiloids and ammonoids may appear the same, they are easily distinguished by the location of their siphuncle and the shapes of their sutures— smooth in nautiloids and jagged in ammonites. Among the cephalopods, ammonites being floating life forms



feeding on passing bits of plankton and dead animal put them at a disadvantage over their bottom dwelling nautiloid relatives, and they disappeared during the Cretaceous. The squid-like belemnites swam with ammonoids and nautiloids in oceans of the Mesozoic Period, spanning the Triassic (250 mya), the Jurassic (200 mya), and the Cretaceous (145 to 65 mya). They had a straight shell, but it was internal, not external. Being highly resistant, the posterior bullet-shaped rostrum is the most often preserved part and can be found in great quantity and concentration in Mesozoic marine sediments.

The Cephalopod Class today contains two extant subclasses, only distantly related - Nautiloidea, represented by *Nautilus* and *Allonautilus*, and Coleoidea, which are considered by paleontologists to be the descendants of the belemnites, including octopus, squid, and cuttlefish. In the Coleoidea, the molluscan shell has been internalized or is absent, whereas in the Nautiloidea, the external shell remains. About 800 living species of Cephalopods have been identified. Cephalopods are the most intelligent, most mobile, and the largest of all molluscs. With a centralized brain, the largest of all invertebrates, and highly developed eyes and other sense organs, they are able to remember and learn by example or through trial and error.

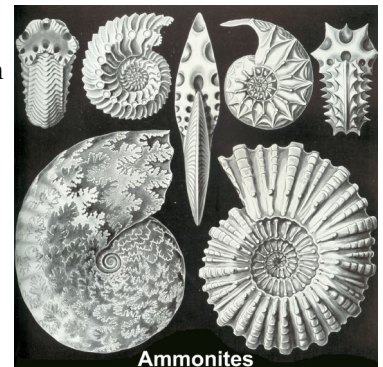
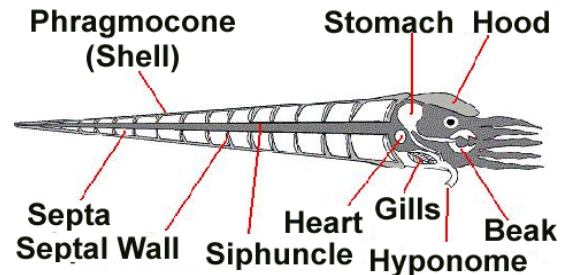
## References:

<https://en.wikipedia.org/wiki/Cephalopod>  
<https://www.tonmo.com/pages/nautiloids/>  
<http://www.ucmp.berkeley.edu/taxa/inverts/mollusca/cephalopoda.php>



Nautiloid Cross Section

## Orthoconic Nautiloid Anatomy



Ammonites





# 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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An Official Field Trip of the Southern Appalachian Mineral Society (Asheville, NC) (HOST)  
An Official Field Trip of the Huntsville Gem & Mineral Society

**Saturday, July 15, 2017, 9:00 a.m. Eastern**  
**McKinney Mine Near Spruce Pine, NC**

**TRIP:** The Southern Appalachian Mineral Society is sponsoring the July field trip to the McKinney Mine at Emerald Village, near Spruce Pine, NC. The trip will begin at 9:30 am with a guided tour of the Bon Ami feldspar mine and Museum. At approximately 10:15 we will cross the road to the dump piles of the McKinney Mine. Digging is allowed all day.

**COLLECTING:** Nice Mica specimens as well as Smoky Quartz, Feldspar, and Garnets. Aquamarine & Green and Yellow Beryl can occasionally be found on the dumps but they are scarce. Many other rare and unusual rocks & minerals, including Columbite, Samarskite, Torbernite, Uranophane, Hyalite Opal, Malachite, Tourmaline, Thulite, Amazonite, Pyrite and Dendrites. One of our members will have a Geiger counter for checking Samarskite or Unaninite

**BRING:** This is definitely a digging site. The surface will yield fewer specimens. People should bring hammers, chisel, shovel, safety glasses, gloves, collecting bucket, etc. Tools are available to rent for \$25 per day (+ \$50 deposit; tools can be shared & include shovel, rock hammer, crack hammer, safety goggles, trowel, small screen, 5 gallon bucket). Water and snacks are a good idea, but food is also available in the complex.

**FEE:** \$20 per person / \$10 for children 12 and under. Admission is by permit only! EVERY person going onto the dump area must pay the fee, whether collecting or not. There is also a flume where, for an additional fee, buckets can be purchased and searched.

**REGISTRATION:** Members should gather between 9:00 to 9:15 to register, pay the fee, and sign the release. For anyone under the age of 18, the form must also be signed by a parent or legal guardian. You must keep a copy of the permit and show it to any staff person upon request. Failure to present a permit upon request will result in your eviction from the site and confiscation of any collected materials.

**REQUIREMENTS:** Safety is paramount! Hazardous conditions occur on the dump and YOU are responsible for your own safety. No climbing or digging is allowed on or near the sides of the dump! Safety glasses must be worn at all times when hammering is done. Anyone practicing unsafe activities will be asked to leave and no refund will be given. Anyone on the dump without a permit (or using unauthorized equipment) will forfeit any rocks or minerals collected and will be evicted from the property. Be safe!

**CHILDREN (Maybe):** Collecting on the dumps can be hazardous and is not suitable for small children. Any person under the age of 18 going on the dumps must be accompanied by, and under the direct supervision of a responsible paying adult.

**PETS (NO):** No information, so assume pets are not allowed.

**FACILITIES:** Food, water, restrooms, and picnic tables are available at the site.

**ADDITIONAL INFORMATION:** There is a walking path to the creek on the left as you enter the dump area. You can wash rocks here or carry water from this location to your dig-site. Please do not access the creek elsewhere.

Collecting is only allowed in the designated dump area. Parking is not allowed along the road-side. All vehicles must be removed from the property by closing time. Emerald Village reserves the right to refuse access to anyone at any time, the right to close the dump at any time, and the right to limit amount collected to one 5 gallon bucket full per permit. Permits are revocable and are not transferable.

You are allowed to leave and return to the dump area to use the restrooms or get something to eat. When you are finished collecting please return any rental tools and get your deposit back. You are expected to remove any trash.

**DIRECTIONS AND WHERE TO MEET:** From I40 exit 85 in Marion NC: Take US 221 toward Marion, turn left on US 221 N 1.8 miles; turn left to stay on US 221 N 12.1 miles; Turn left on NC 226N 5.3 miles; turn right to stay on NC 226 N 377 feet; turn right on Blue Ridge Parkway 3.0 miles; turn left toward High Ridge Rd 187 feet; turn right on High Ridge Rd 265 feet; turn right on Chestnut Grove Rd 1.0 mile; turn left onto McKinney Mine Rd destination on right.

**CONTACT:**

Ken Casebeer, 828-277-1779

## June Birthdays

1 Bryce Bills	18 Greg Somsel
3 James Honey	19 Linda Sue Reed
4 Khezekiah Bellamy	22 Edward Hunneycutt
4 Elizabeth Kowalczyk	23 Chris Brantley
4 Tim Crumpton	23 Jonathan Kowalczyk
5 Emma Allen	24 Tonya Sitko
5 Jeffrey Wagner	25 Caryl Jean Nixon
7 Nancy Hosmer	26 David O'Dell
9 Austin Gulliver	26 Roger Broussard
12 Julia Priest	27 Dianna O'Dell
15 Matthew Kowalczyk	28 Lori Willhoite
15 Al Moebes	

## Anniversaries

5 David & Karen Bath	13 John & Ivey Cook
7 Bill Sweetman	19 Michael & Sheila Cape
8 Charlie & Lori Willhoite	21 Lawrence & Diana Nelms
9 Jimi & Tonya Sitko	23 Tom & Alicia Detwiler
12 Wayne & Polly Falkenberg	29 Caryl & David Nixon

## 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

## June 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, & C. Kalange

<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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2705 Jarvis Street S. W. Decatur AL 35603

## 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

[bburgess771@gmail.com](mailto:bburgess771@gmail.com)

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[caryl.nixon@outlook.com](mailto:caryl.nixon@outlook.com)

Mineral ID: Wayne Falkenberg—

[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

- 17 Jun '17 - Annual HGMS Picnic— 10:00 till dark  
Monte Sano State Park, Huntsville AL
- 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

Deadline for Next Newsletter— July 15, 2017

## Rocket City Rocks & Gems

Bill Friday, Editor

2508 Excalibur Dr.

Huntsville, AL 35803

HGMS June 2017

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