

# ROCKET CITY ROCKS & GEMS



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

Volume 51 No. 8

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

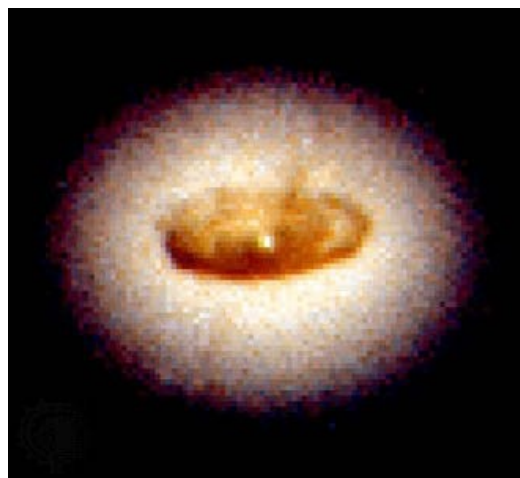
August 2019

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## What are Black Holes? - Aug 27, 6:30

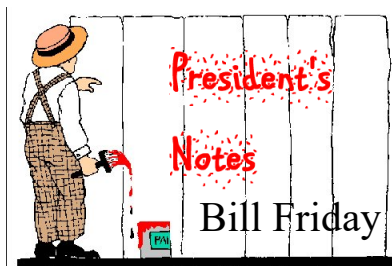
In the first place, they are truly black, so dense that not even light can escape their grip. Every major galaxy in the Universe contains at least one, each commanding a significant fraction of the mass of its entire galaxy. While they cannot be directly imaged, their presence can be detected by some clever techniques using infrared light. And that is about all that can be said based on direct knowledge. But much can be inferred about their origins, their bizarre effects on the stars surrounding them, and about their sizes (not so big as might be imagined). Come along as we explore these ancient and amazing heavenly bodies.



[www.huntsvillegms.org/](http://www.huntsvillegms.org/) - [www.facebook.com/HuntsvilleGMS](https://www.facebook.com/HuntsvilleGMS) -



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## The Fall Show is almost upon us!!!

It is just a bit early to panic, but there are open action items which must be taken care of soon, as in during this coming meeting. The September meeting will be too late for most of these items. We do not have a Volunteer Chairman as yet, with MANY volunteer positions to be filled for the show. Please, someone step up and handle this important role. The SFMS participation is mostly taken care of, with accommodations for lodging, meeting space,

information packets for attendees, and goodie bags from the Huntsville Welcome center arranged. The Moon Rock loan from NASA has been taken care of by Lowell Zoller, but we still need to design the display case for it, highlighting the 50th anniversary of the Landing on the Moon. Mike Harrison is working on display cases, but so far only one person (besides myself) has committed, and she is from Florida. You don't have to create a world class exhibit - just design something that is pleasing to yourself and give it an eye-catching setting. The Flume has been taken care of but many workers will be needed.

There will be no Gem Dig this year, so those who have traditionally worked that event may look around and find another venue. The Vendors Hospitality Meal for Thursday evening is well along in planning but again many food and support contributions will be needed. No plans have been made yet to highlight the 200th birthday of our State of Alabama - give it some thought. There will be a table full of sign-up lists for all of the areas that need workers at the August and September meetings. Please give your full support. This is shaping up to be the best Show ever.

We will again be represented at the Madison Street Festival on Oct 5, and members are welcome to join in promoting our hobby and Society.

Caryl Nixon provided us a Moon Rocket Cake for the July meeting - the bakers outdid themselves. Besides being impressive, it was delicious!



## 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 competin in each of these divisions may be found at: [http://www.amfed.org/rules/AFMS\\_Rules\\_2018.pdf](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 23 July 2019, 06:30pm**

Meeting convened at 06:25 pm

There were 27 members present for the meeting. Judy Duncheon is a new member of the HGMS and was welcomed by all. Minutes from the May meeting were approved as published in the newsletter. There was no meeting in June because of the Picnic.

Treasury: Clara stated that there is \$8285.00 in the club account. A motion was presented to the floor that future scholarships to William Holland and Wild Acres should be increased from the present award of one hundred fifty dollars (\$150.00) to two hundred fifty dollars (\$250.00). Motion was voted on and approved. The president stated this will be added to the Budget Review this fall.

Rocket City Jewelers and Metalsmithing will have reports by their perspective representatives.

Pebble Pubs is recessed this month because of the summer season and Brain is still in the process of moving.

Geo Sciences is meeting the 3<sup>rd</sup> Thursday next month instead of the original 2<sup>nd</sup> Thursday.

New Building: John Hamilton met with the HGMS President at the Lapidary Lab and wanted to know exactly what the lab supports. Bill gave John a copy of our proposed usage floor plan for the old Grissom High Wrestling Building and John stated that it looks like HGMS would be utilizing 90% of the plan. Bill stated that the desire of the HGMS was to hire specialty local contractors that could provide us the services needed at a lower price and not be delayed by big projects for the city.

Fall Show: HGMS will have a moon rock displayed at the fall show. For this effort, Lowell has volunteered to be the courier for this specimen. Let everyone know a Moon Rock will be displayed for public viewing at the HGMS Fall Show.

Competition Displays: It is expected that HGMS will have several competitive displays during the fall show. There are many categories that members can compete in. HGMS members are to show off their best craft or specimens. SFMS Deadline for submissions is 1 Sept 2019 in which registration must be completed and display boxes are prepared. Prizes will consist of ribbons from the Southeast Federation judges. There will be one theme per display. Discussions included judging points, competitive Divisions, applications, and Judges Sheet. You may pick up a display box at the August meeting and return it after the fall show.

Donnie & Ann Caves have a garage & lapidary sale on Saturday, July 27<sup>th</sup>. They are moving to a smaller home and have a large collection of rocks and lapidary tools that can't move with them. Come out to and show your support and browse for some interesting treasures.

Hospitality: Carol has a sign-up sheet for the August meeting. If you wish to bring in something for this meeting, please sign up. Carol also stated that there was a sign-up sheet for the October Set-Up Dinner. Those that wish to bring a cover dish for the vendors can sign up now. Carol also stated that she would appreciate volunteers to sign up for Clean-up duties in the kitchen on 9 Oct 2019. Help will be needed for clean up after the show.

Meeting adjourned at 7:42.

## The Moon Cake





## 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.

## Artist's Concept of a Black Hole interacting with its host galaxy



## Rocket City Jewelers (RCJ) News

By Leslie Malakowsky

We're continuing to build our chainmaille skills. On July 17<sup>th</sup>, we learned Half Persian 3-in-1 Spine and on August 7<sup>th</sup>, we learned Cylon.



Reservations for the August 21<sup>st</sup> chainmaille class are closed. RCJ class information is often posted to the website in advance of the newsletter, so please check the website often for reservation deadlines and the latest information.

### Now taking reservations for the September 4<sup>th</sup> Tree of Life Pendant.

In this class, you'll construct a tree using wire for the branches and 10/0 seed beads or tiny drilled stone "chips" for the leaves. The tree is wired onto a copper ring as an introduction to the technique before moving on to other foundations.



### Upcoming Schedule:

Aug 21<sup>st</sup> – Love Knot/Forever chainmaille weave sample and bracelet.  
 Aug 28<sup>th</sup> – Deadline to RSVP for the Tree of Life Pendant class.  
 Sep 4<sup>th</sup> – Tree of Life Pendant.  
 Sep 11<sup>th</sup> – Open. Deadline to RSVP for the Captured 2x2 chainmaille class.  
 Sep 18<sup>th</sup> – Captured 2x2 chainmaille weave sample and necklace or bracelet.

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

### **Next Class, Thursday, September 5, 2019: Folded Pendant**

The project for September will be a Folded Pendant. This project, designed by Bill Fretz, appeared recently in Lapidary Journal/Jewelry Artist magazine. We don't have the same tools described in the magazine so we will be doing a slightly modified version using the tools we have available. The final product includes the beaded necklace. We will be doing the pendant only and will not be covering how to bead a necklace in class.

**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](mailto: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 is back in Session - Thursday Aug 22, 6:00

Mr. Brian will help us explore the strange world of geodes, those hollow balls with a wide variety 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](mailto:bburgess771@gmail.com) 256-479-2993 or Bill Friday [bill.friday@earthlink.net](mailto:bill.friday@earthlink.net) 256-527-8227



## GeoSciences Activity Group

The group met in the Senior Center Cafeteria on Thursday August 15. John McCullough brought examples of the types of fossils found in the Steven Minkin Paleozoic Tracksite, within the now inactive Union Chapel Coal Mine near Jasper AL. The site is maintained by the Alabama Paleontological Society, periodically allowing the public to enter and dig through the rock rubble that contains the traces and footprints of extinct reptiles, insects, plants, and mollusks. John explained the history and geologic origin of the site, how it was discovered, and how to get in on hunting within the site. There will be a field trip to the mine later this year, date to be determined.



Our September Program will be provided by Gene Powers, discussing geologic formations in southwest Alabama, including Tallahatta Agate, fossils, chalk cliffs, and area rivers.





Chinese carved cinnabar lacquerware, late Qing dynasty. Adilnor Collection, Sweden.

## Mineral of the Month – Cinnabar

By Leslie A. Malakowsky

Although we live in the digital age, the mercury thermometer is still regarded as one of the most accurate available.

Mercury is a chemical element with the symbol Hg on the periodic table. It's the only metallic element that's liquid at standard temperatures and pressures, making it ideal for use in a thermometer. We read the temperature by correlating the top of the mercury "column" to the temperature scale. In these "dog days" of summer, we can certainly see the mercury rising in our thermometers, but just where does this mysterious liquid come from?



Mercury occurs throughout the world mostly in deposits of cinnabar, a toxic mercury-sulfide mineral with the formula HgS. This mineral is the most common source ore of elemental mercury. Cinnabar is associated with volcanic activity and alkaline (water-based solutions having a pH higher than 7) hot springs. As geothermal solutions move upwards towards the Earth's surface, temperatures and pressures decrease allowing cinnabar to deposit in veins or cracks in the native rocks. Minerals that are often found with cinnabar include stibnite, realgar, pyrite, and marcasite.

Cinnabar can occur as thick tabular or slender prismatic crystals or as granular to massive incrustations. Crystals can resemble quartz in symmetry and can sometimes exhibit simple twinning. Colors include pale red, violet red, bright red, brownish red, lead gray and nearly black. (The name cinnabar comes from the Greek word *kinnabari*. In Latin, it was sometimes known as *minium*, meaning "red cinnamon".) Another distinguishing feature is the mineral's low hardness, 2.0 – 2.5, which means that it's about as soft as gypsum.

Cinnabar has been mined for thousands of years, as far back as the Neolithic Age. Because of its bright red color and softness, it's been used as pigment (called vermillion) and ornamental stone by people all over the world. (Vermillion is made by grinding cinnabar or synthetic mercury sulfide.) There are many examples: the illuminated manuscripts of the Middle Ages, the paintings of the Renaissance, the sindoor (urban settlements) of India, the rouge-type cosmetics of the Near East, the royal burial chambers of the New World, and the stoneware of China. Chinese lacquerware was invented because it was believed that mixing lacquer with the pigment would reduce the pigment's toxicity. (In the modern jewelry industry, the toxic pigment is replaced by a resin-based polymer that approximates the appearance of pigmented lacquer.)



Fiery Red Dragon Cinnabar Necklace Red

Cinnabar was widely used in the art and decoration of ancient Rome, where it was mined both as a pigment and for its mercury content. The Romans were the first to recognize mercury's toxicity. (Modern precautions for the use and handling of cinnabar were developed specifically because of that.) But in the ancient world, overexposure to mercury was viewed as an occupational

disease. Consequently, slaves or convicts were relegated to the mines.

Cinnabar is found in all mineral localities that yield mercury. In the United States, cinnabar is mined in Alaska, Arkansas, California, and Texas. If you're in the market for carved cinnabar, know what you're buying. Today, pieces are often molded out of plastic or resin to simulate carved cinnabar.

To produce liquid mercury, cinnabar is crushed and heated in a rotary furnace. Pure mercury separates from the sulfur and evaporates as the furnace rotates. The liquid is collected in a condensing column. Mercury is also used in barometers, fluorescent lights, and other devices.

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



## 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). 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



## FINISHING PIERCED PATTERNS

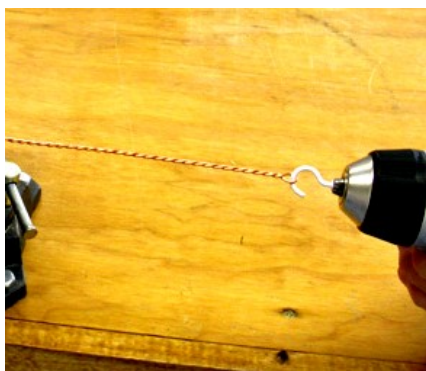
After sawing patterns there's always a little cleanup to do, and the smaller cutouts can be a challenge. Needle files (7-8 inches) can get into the larger areas, and escapement files (4 inches) can get into some of the corners.

But I often find myself wanting even smaller files. I couldn't find them even at a watchmaker tools supply company, so I had to try something else. I ended up grinding down the tip of a 4" barrette file using a separating disk (or cutoff wheel) in the Dremel or Foredom.



Be sure to wear your safety glasses when using this tool. A flake of steel in your eye makes for a bad day.

## MAKING FILIGREE WIRE



Making wire for filigree is quite simple. Take a double strand of 24-26 gauge silver wire, twist it tightly, and then flatten it a bit. While the basics are straightforward, here's a few tips that will quickly make you an expert with filigree.

Filigree looks best when the wire has a very tight twist. The way I do this is to start with dead soft wire and twist it until it breaks. It always seems to break on one end or the other.



I like to use a screw gun, although a Foredom also works well. You'll need a small hook in the spindle, either a cup hook from the hardware store or a nail that has been bent into the shape. Be sure to keep a little tension on the wires as you twist. Then to get a real tight twist, I anneal the wire to relieve the work-hardening and twist it a second time until it breaks.

The final step in prepping the filigree wire is to flatten it slightly with a planishing hammer or rolling mill. The amount of flattening is a personal preference. I like to reduce the diameter about 25%. The wire will be quite stiff at this point, so it's best to anneal it again before starting to make the filigree shapes.



## 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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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 announcements separately by email.

## August Birthdays

2 Lawrence Nelms	22 Carlee Patterson
4 Brooks Glover	22 Steven Priest
6 Devona Hawkins	24 Karen Allen
10 Jackson Herman	24 Joseph Mastromonico
10 Peggy Johnson	25 Debora Neis
14 Kate Leonard	27 Carol J. Lee
18 Will Bryan	28 Evan O'Dell
18 Karen Ryan	30 Tish Hall
19 Jimi Sitko	31 Lauren McCullough



August  
Peridot

## Anniversaries

1 Clara & Mike Goode
3 Brian & Karen Allen
4 Florence Mims
9 Lowell & Betty Zoller
18 Julia & Steven Priest
25 Jim & Ola Ann Lee
26 Chris & June Kalange
28 Anita Bynum
31 Becky Rollston

## 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

## August 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

<b>Monday</b>	7:30am-4:30pm	Open Lab: Lapidary - certified Seniors & HGMS age 60+
	<b>6:00pm-9:00pm</b>	<b>Open Metal Smithing - Only certified HGMS 18+</b>
<b>Tuesday</b>	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+
	<b>6:00pm-9:00pm</b>	<b>Open Lapidary - Only certified HGMS 18+</b>
<b>Wednesday</b>	7:30am-4:30 pm	Open Lab: Lapidary - certified Seniors & HGMS 60+
	<b>6:00pm-9:00pm</b>	<b>Open Lapidary - Only certified HGMS 18+</b>
	<b>6:00pm-9:00pm</b>	<b>Open Jewelry - Only certified HGMS</b>
<b>Thursday</b>	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+
	<b>5:30pm-9:00pm</b>	<b>Metal Smithing &amp; Jewelry Classes— Only certified HGMS 18+</b>
<b>Friday</b>	7:30am-12:00am	Open Lab: Lapidary - certified Seniors & HGMS 60+

## 2019 HUNTSVILLE GEM &amp; MINERAL SOCIETY OFFICERS

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**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](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,** 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](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)





# 2019-20 CALENDAR

- 27 Aug '19 Regular HG&MS Meeting, Madison County Senior Center,  
2200 Drake Ave, Huntsville, AL 6:30pm
- 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



Deadline for Next Newsletter— September 14, 2019

**Dated material**  
**Do not Delay**

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HGMS August 2019