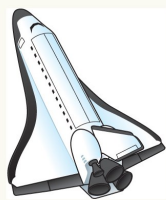


ROCKET CITY ROCKS & GEMS



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

Volume 54 No. 8

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

August 2022

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HGMS Membership Meeting August 23, 6:00

Earth's Six Great Biological Extinctions

Since the Earth was cooled enough from its molten creative state, 3 billion years ago, it has seen the rise and fall of very many populations of unimaginably diverse forms of animal and plant species. Life for these was at times lush and prosperous, but six times catastrophic events destroyed large percentages of them in the sea and on the land. The circumstances were different in most of these - poisonous gas, volcanoes, moving continents, rising and falling sea levels, huge ice fields, and giant asteroids falling from the sky. But in each case, the few survivors hung on by a thread, which remnants rebounded and revived in newer and greater numbers, variety, and strengths. We are the beneficiaries of these struggles and the resulting survival innovations at each step along the way. In this presentation, we will examine circumstances and results of each.



Web Page - www.huntsvillegms.org/



Huntsville Gem & Mineral Society (HGMS) 2022. Reprinting Rights are granted for all material (except for minutes of the meeting and copyrighted articles) to any organization officially affiliated with the American Federation of Mineralogical Societies (AFMS) or Southeastern Federation of Mineralogical Societies (SFMS), provided credit is given to the author, the original publication, and this newsletter. The HGMS email address is hsvgems@gmail.com.

Minutes of the July 23 2022 Meeting of the Huntsville Gem & Mineral Society

The Social Gathering started at 6:00, and the business portion was started by President Anthony Zwilling at 6:30. There were 30 members in attendance. The Secretary was unable to attend so no official minutes were recorded. The Fall Show will be held on October 14-16. Setup will start on Oct 12 with floor marking, and vendor moving in will be Oct 13, with a vendor/worker appreciation dinner that evening. A Show display case was in the meeting room and there was discussion about how many would be available for the Show. Bruce Kowalczyk will be the Display Case Chairman for the Show. The Show Flume Trailer is in need of tires and repair, and possible replacement. Preparations for the Show are proceeding. All Show Vendors are now under contract. Our Program was presented by Neda Mobasher, recent graduate from the University of Wisconsin, who described the diagenesis, that is transition of carbonate sediments into dolomite and calcite, of the Great Bank Carbonate Platform in south China. The meeting was closed at 8:30



Metal Smithing - Shelley Curran & Kathy Bowman

SEPTEMBER PROJECT CLASS Sawn and pierced overlay pendant.

Thursday 15th and Monday the 19th @ 5:00 pm.

Kathy and I will be away September 3- 10th taking a class. Please note the change in our regular class schedule.

Sawing is an essential skill, necessary for making any type of jewelry. Shears and punches are useful for some things but you can't make interior cuts which can be very limiting when you're designing.

Every metalsmith needs to know how to use a jewelry saw properly in order to advance their skills overall. This takes practice. This class should refresh those who are reasonably comfortable with the saw and get beginners off to a good start.

As I was looking through my jewelry stash, to find examples for the photo, I was struck by the fact that there wasn't one piece of jewelry I hadn't used a saw on in some way or another.

Sign up for the class at the meeting or on Kathy's wild ivy email.

The Metals classes and open studio meet on Mondays and Thursday evenings from 5:00 - 9:00 PM. and the first Saturday of the month from 9- 3:00 pm.

More news on certification later on.

Volunteer Positions *

Class Instructors:

Kathy Bowman

Shelley Curran

Jan Edmunds

Annie Diekmann

Tools/Equipment Inventory

Store Manager

Opening

Kit Manager

Shelley Curran

Webpage & Social Media Management

Kathy Bowman



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

08-02-2022 Board & Committee Meeting

Gene Powers, Anthony Zwilling, Shelly Curran, Jan Edmunds, Lowell Zoller, Tony Smith, Mike Harrison, Les Bartel, Theresa Chivers, Judy Osmundson, and James Yack were in attendance.

Email voting method. We will start emails with “Issue for discussion” finalized “Issue for Vote.”

5 days of discussion before it can be voted on.

Voting was 6 for email voting to be accepted as written, this is our new standard for email voting.

Defining rules for voting for next years elected board members. Should we have voting for members in October or November. We will present board members for election in September and vote in October for the next calendar year.

Discussion was had on what defines a committee vs board members. There is a nominating committee. Board members are on the committee.

\$10,500 was our budget from the new year, May \$11,000, June was \$13,000. Lapidary, RCJ, and Metalsmithing have all submitted wish lists and budgets. Membership coordinator is fine with her \$100 budget. Clara was needed for budget questions, however she stated prior to the meeting she would not be able to attend. No additional money is needed for the Fall Show's budget. All but 4 vendors have paid for their spots. We may need more fossils for the fossil dig this year. We will have to check the flume trailer and storage unit again. Show budget has its own budget. Mike Harrison is checking on Future rockhounds budget. Mike is also going to check on reserving the Monte Sano State Park pavilion for next year's picnic.

Money may need to be set aside for a new flume trailer. The flume belongs to the Club not the Show but is only used for the Show. We may have to buy new tires and make the old trailer last for one more show. May need more donations for seeded bags for the flume. Not using tumbled rocks, wanting natural stones. Appx 260 bags were used last year.

Show floorplan. Needing a list of how many tables each of our groups need per section. A couple of new vendors have been added where old patrons have not signed on again. Future rockhounds is covering the children's area. We may be getting matching Club shirts or vests for adults so that we will be more visible to the Show visitors. Lowell wants to know how many tables we will need for our kids events. Mike is putting together the table count.

Meeting adjourned at 7:40pm.

Future Rockhounds of America Aug meeting August 25, 6:30 pm

Future Rock Hound of America would like to thank Karen Allen for all her hard work in organizing our group, keeping our records, and planning great field trips. Thanks to Karen we have visited the Cook's museum, hunted for shark teeth and agates, and made pinch pots and tried flint knapping at Russell Cave. Karen has decided to be less involved with FRA to spend more time with her family. We all will miss her.



For our August meeting we will continue our study of earth processes including erosion and the rock cycle. Here you can see erosion on a grand scale, as an entire mountain is ground to loose rocks and sand by wind, rain, and ice.

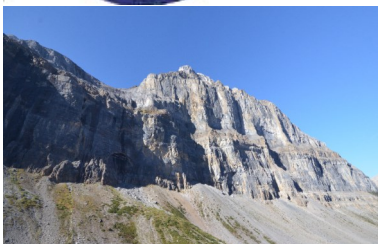
We will have the Future Rock Hounds planning our show case for the Rock Show. We would like to feature items of importance to our youngsters—favorite rocks, collections, crafts, whatever you wish to include.



Earth Processes



Field Trips



The Gem & Mineral Society hosted a Dixie Mineral Council Field Trip to the Hogg Mine in LaGrange Georgia on August 12. The dirt had been freshly machine-turned, so patrons could sift for beryls, aquamarines, tourmalines, rose quartz, and mica. Here is seen Paisley using her lap screen hunting buried treasures.





Rocket City Jewelers (RCJ) News

By Leslie Malakowsky

The Fall Leaf Pendant class gave us some experience with free-form wirework. Everyone's pendant was beautiful and unique! **Please note that August 31st is a 5th Wednesday this month.** Instead of a formal class, we decided to use the extra time for finishing current projects (meeting time is 6p – 9p). Don't forget to "pin" ideas for projects for next year to our Pinterest page!



Coming up in September, we're experimenting with a new layering technique to make a pair of metal and wire earrings! The chainmaille project is a "Zig Zag" bracelet – a new twist on the familiar Byzantine weave. **Both classes are full.** See the schedule for details.

Note: You're invited to participate in the HGMS display case at the downtown library (in September) and in the RCJ display case at the show (October 14th – 10th). These are good opportunities to show the public what we do in RCJ and to encourage folks to join HGMS! To participate, please **bring up to 4 of your favorite jewelry pieces to any RCJ meeting between now and August 31st.** Please include your name and a list of your pieces. Please contact Leslie if you have any questions.



Upcoming Schedule:

September 7: 6p – 9p, **Layered Metal Earrings.** Kit cost \$5. Please bring your own beads, bead caps, or charms. And a hammer, files, and metal cutters, if you have them. We will cut, bend, shape, and adorn as we please to create 2 unique pairs of earrings! Kit includes metal pieces, wire, and earring findings.

September 14: 6p – 9p, **Zig Zag Byz Bracelet.** Kit cost varied. We'll make Byzantine weave units and connect them with jump rings and beads to create a wavy bracelet. All participants have chosen their bead colors and placed orders for their rings and beads. Kit includes wire (for connecting beads), clasps, and earring findings.

Meeting Times: Classes are from **6p – 9p** on **1st and 3rd Wednesdays.** Make up and "Finish It" sessions are from **2p – 5p** on **2nd and 4th Wednesdays.** (Meeting times and activities on 5th Wednesdays are TBD.)

Class Reservations: You must contact Theresa **two weeks before class** to reserve your kit. You can also reserve kits in person at RCJ meetings up to two weeks before class. Please Call, Text or Email Theresa Chivers at 256-509-0406 (wolfsong929@gmail.com).

Meeting Location: The **HGMS Education Center, 7901 Bailey Cove Road SE, Huntsville.** Enter the South parking lot off Bailey Cove Road SE, drive through the lot to the Education Center (long narrow building at the back), turn left, park directly opposite the building, and enter the double glass doors on the West side of the building. **Note:** The doors will be unlocked for the first hour. After that, the doors will be locked, and you will need to call **Judy (205-541-7207)** or **Theresa (256-509-0406)** to let you in.

Volunteers:

Instructors	Judy Osmundson, Theresa Chivers, Leslie Malakowsky
Point of Contact/Kit Reservations/Security	Theresa Chivers
Kit Manager/Treasurer/Security	Judy Osmundson
Membership/Publicity/Inventory	Leslie Malakowsky

RCJ is open to **every member** of the HGMS. (Gentlemen, too!) If you love making jewelry (especially with gemstones), please join us! All skill levels are welcome! Please contact Judy with your class ideas or "pin" your ideas on our Pinterest page. We'd also like to know what you're able to teach.

Brad's Bench Tips

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



SMALL PARTS CONTAINERS

I'm always on the lookout for small containers to use for holding all those little parts and tools we deal with in making jewelry, especially since I'm always traveling to classes and workshops.

My latest find are some plastic vials about 15 mm in diameter and 75 mm long. Best part is they are free. The vials are used in the doctor's office to draw blood samples. They cannot be used after their expiration date and are thrown out. On my last doctor's visit, I asked the nurse if they had any expired vials. She replied "How many do you want?" and tried to give me 400 of them. (We settled on 200).

The ones shown above are called "Vacutainers", but there are probably many other names. They're clear plastic with a rubber stopper and a paper label all ready to write on. I find them really handy for small parts like jump rings, prong settings, small drills, nuts & bolts, faceted stones, and precious metal filings.



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 small 4" barrette file using a separating disk (or cutoff wheel) in your 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.



Huntsville Gem and Mineral Society 2022 Annual Gem, Jewelry & Mineral Show

October 14, 15 10am to 6pm
October 16 Noon to 5pm

Crystals! Minerals!
Fossils!

Fine Jewelry!

Beads!

Lapidary Supplies!



Mining Flume!

Demonstrations!

Hourly Door Prizes!
Raffle!

Food!

Jaycee Community Building, 2180 Airport Road, Huntsville, AL

Admission: \$3 Donation, Students \$1, Weekend Pass (3 Days) \$5, Children under 5 Free

Parking: Free



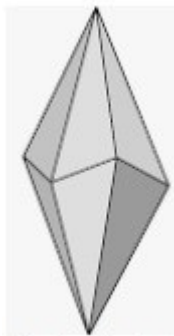
Mineral of the Month – Calcite (var. Dogtooth Spar)

By Leslie Malakowsky

There's no doubt that the “dog days” of Summer are here! Thankfully, frequent storms here in Huntsville help keep us cool, but what about between storms? Well, with a little imagination, you can cool down inside a cave where this month's mineral forms! The formations are beautiful and the temperatures are usually cool!



Calcite is a common carbonate mineral and the most stable polymorph (having more than one form or crystal structure) of calcium carbonate (CaCO_3). Calcite defines hardness 3 on Mohs scale of mineral hardness. Dogtooth spar crystals typically consist of acute scalenohedrons that resemble a dog's canine teeth. A scalenohedron has twelve triangular crystal faces that form scalene triangles (a polygon with three unequal edges and three unequal vertices). But some Dogtooth spars may have more than three edges. “Spar” is a general term for any transparent to translucent, light-colored, vitreous (having a glassy luster or sheen), crystalline mineral. Dogtooth spars are generally only centimeters long, but some may be much longer.



Scalenohedron

Dogtooth spar forms in caves by the precipitation of water-borne calcite. The crystals occur in caves especially in open spaces along the cave walls, such as veins and fractures, and in geodes. Dogtooth spar is an excellent example of a *speleothem*. Speleothems are geological formations that accumulate through time in natural caves (most commonly calcareous ones) due to the dissolution of minerals by rain water.

There are many varieties of cave formations depending on how the minerals were deposited and the environment inside the cave. But the most common cave formations are flowstone, drapery (also known as “cave bacon”), stalagmites (growing from the bottom up), stalactites (growing from the top down), columns (when a stalagmite meets a stalactite), and straws. Interestingly, there's a branch of science dedicated to the study of cave formations. Their chemical composition, growth rate, and preservation in caves makes them useful for studying paleoclimate records such as in tree rings and ice cores.



Dogtooth spar is prized by collectors and it's a favorite in mineral museums. One of the best known places to find Dogtooth spar in the United States is Sitting Bull Crystal Cave, a limestone cave complex a few miles south of Rapid City, South Dakota near Wind Cave National Park on the way to Mount Rushmore. Here, Dogtooth spar several feet long have been found! Note: When visiting caves, please don't touch the formations!

Reference: [wikipedia.org](https://www.wikipedia.org)

Dixie Mineral Council Field Trip to the Hogg Mine in LaGrange GA.

The Huntsville G&M Society hosted this DMC Field Trip, with cooperation from the mine operator Chris Painter. The opportunity was open to all 33 DMC Club members of the Southeast Federation of Mineralogical Societies. HGMS had 8 attendees present digging for aquamarines, beryls, tourmaline, quartz, and mica, plus other less common minerals that might be present. The dirt had been recently machine dug, to expose new minerals for the finding.





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 Knoxville Gem and Mineral Society (Knoxville, TN) (HOST)

An Official Field Trip of the Huntsville Gem and Mineral Society

Saturday, September 24, 2022 Meet at 8:30 AM Central Time, Depart at 9:00 AM

Walker County, AL Fossil Tracks and Pennsylvanian Fossils

Limit 50 People Registration Required No Fee

TRIP: The Knoxville Gem and Mineral Society will host the September DMC field to the Steven C. Minkin Paleozoic Footprint Site, also known as the Union Chapel Mine. The mine was days away from being reclaimed when the significance of the fossils found there were realized, and reclamation was halted. The site is named for the geologist who led the effort to preserve it for future study. The Alabama Paleontological Society has been instrumental in preserving the site.

COLLECTING: Pennsylvanian fossils, e.g., seed ferns, lepidodendron, and calamites, plus vertebrate and invertebrate tracks. An excellent field trip guide is available at the Alabama Paleontological Society's web-site: https://48efaeda-a166-4c9c-9ba2-36e0c85aed1f.filesusr.com/ugd/59a392_ecfa9bc5569b4ed18e9a66a9b420f87e.pdf

BRING: You will need a chisel, rock hammer, small sledge, a tool for splitting shale (e.g., heavy-duty paint scraper), spray bottle with water, paper for wrapping specimens, and flats for transporting specimens. Sturdy boots with ankle support (hiking boots) for climbing around rocks. Gloves and protective eyewear should be worn too. Bring plenty of water and snacks/lunch

REQUIREMENTS: IMPORTANT!!! One of the conditions for collecting fossils here is that you must agree not to sell them. Also, some fossils may be retained by the Alabama Paleontological Society for study. **All participants must sign a form agreeing to the collecting rules**

REGISTRATION: Click [here](#) to fill out a registration form. Please provide the names of all of the people you are registering (including you) as well as a phone number and the email address you want us to use for contact tracing if any attendees report testing positive for COVID-19 after the trip. If you register for this trip then test positive for COVID-19, if you are exposed to the COVID-19 coronavirus within 2 weeks before the trip, or if you are unable to attend the trip, please let us know so someone on a potential waiting list can take your slot(s).

CHILDREN: This field trip is suitable for children but they must be supervised at all times.

PETS: Pets are allowed if good with strangers and kept on a leash at all times.

FACILITIES: There are no facilities at the collecting site and the closest facilities are several miles away.

TERRAIN: This is a large location with room to spread out. There are 3 to 5 foot berms throughout the site, so you must be able to navigate up and down loose shale slopes. Vehicles are not allowed in the collecting area. Parking is on a gravel road only a few feet from the collecting area, but you may have to walk several yards to find an opening to get through.

DIFFICULTY LEVEL: Trace fossils and plant fossils are fairly abundant, though it requires splitting shale carefully to find them. Tracks may be difficult to see, but spraying the rocks with water can help improve visibility.

DIRECTIONS: Directions and meeting place details will be emailed to registered participants.

CONTACT: Daniel Miller, 423-273-0487, Daniel.Miller@jtekt.com

IMPORTANT: DMC field trips are open only to members of clubs in the SFMS field trip sharing program. SFMS DMC club members are covered by liability insurance and they are bound by the AFMS code of ethics (click [here](#) to read them), but the general public is not and could jeopardize access to a collecting location. So, unless the property owner has invited non-SFMS attendees, the general public is not allowed on DMC field trips. **Please do not post DM field trip information where the general public can access it.**



August Birthdays

2 Lawrence Nelms 18 Will Bryan
 4 Brooks Glover 19 Jimi Sitko
 9 Rashodd Van 24 Brian Allen
 12 India Shields 25 Brendalynn Triplett
 14 Norah Joyce 28 Evan O'Dell
 14 Kate Leonard 28 Jerry Osmundson
 15 David Peters 29 John Wright
 31 Lauren McCullough

Anniversaries

1 Clara & Mike Goode
 3 Brian & Karen Allen
 4 Florence Mims
 9 Lowell & Betty Zoller
 25 Jim & Ola Ann Lee
 28 Anita Bynum
 31 Becky Rollston



August
Peridot

September Birthdays

7 Mike Harrison 16 Charlie Willhoite
 9 Eleanor Freeman 19 Mitzi Cartee
 9 Henry Freeman 19 Amy Spence
 10 Marie Aldridge 20 Xavier Walley
 11 Rick Williams 23 Laurie Porter
 12 Rodney Lane 26 Steve Worthy
 14 J. P. McCullough 27 Kathy Wilson
 14 Sheila Tesh 28 Nina Edgeworth
 15 Matt Sullivan

Anniversaries

1 Frank & Shelley Curran
 9 Hilde & Rick Williams
 26 Bill & Rita Friday
 29 Mike & Theresa Chivers
 Bruce & Allison Kowalczyk



September
Sapphire

The Huntsville Gem & Mineral Education , 7901 Bailey Cove Rd. SE, Huntsville AL 35802

Metal Smithing Instructors: Shelley Curran, Kathy Bowman, Jan Edmunds

Lapidary: Bill Friday, James Yack, Bruce Kowalczyk, Anthony Zwilling, Shady Sanchez, Haley Middleton

Rocket City Jewelers: Judy Osmundson, Theresa Chivers, Leslie Malakowsky

Future Rockhounds: Karen Allen, Mike Harrison, Dee Morton

Monday	Metal Smithing Lapidary Lapidary	5:30pm - 9:00pm 1st Monday each month 9:45am-2:00pm 6:00pm - 9:00pm
Tuesday	Lapidary HGMS Meetings	9:00am - 2:00pm, 6:00pm - 9:00pm 6:00pm - 8:30 4th Tuesdays
Wednesday	Lapidary Rocket City Jewelers 1st & 3rd Weeks - Rocket City Jewelers 2nd & 4th Weeks -	6:00pm - 9:00pm 6:00pm - 9:00pm 2:00pm - 5:00pm
Thursday	Lapidary Metal Smithing Future Rockhounds	6:00pm - 9:00pm 5:30pm - 9:00pm 6:00 4th Thursdays
Friday	Lapidary	6:00pm - 9:00pm
Saturday	Metal Smithing Lapidary	9:00am - 3:00pm irregular 1st Saturday of the Month 9:00am - 12:00pm
Sunday	Lapidary	12:00 to 3:00

2022 HUNTSVILLE GEM & MINERAL SOCIETY EXECUTIVE BOARDPresident– Anthony Zwilling - afzwillling@gmail.comVice President - Bill Friday - bill.Friday@earthlink.netRecording Secretary: James Yack - jamesgyack@gmail.comTreasurer: Clara Goode, 256-883-9194 - claragoode1@comcast.netNewsletter Editor: Bill Friday - 256-527-8227 - bill.friday@earthlink.net**Past President: Mike Harrison** - campcraft.mike@gmail.com

Directors at Large:

Gene Powers - genepowersgddm@gmail.comLes Bartel - lester.bartel@gmail.comShelley Curran - curranshelley1@gmail.comIsabel Leon y Leon- isabel.leonyleon@gmail.com**2022 COMMITTEE CHAIRS****Property: Michael Cape**macape@knology.net**Program Chair—Bill Friday**bill.friday@earthlink.net**Webpage: Leslie Malakowsky,**lmalakowsky@gmail.com**Auction Chair: Shelley Curran**curranshelley1@gmail.com**Membership: Theresa Chivers**wolfson929@gmail.com |**Field Trips: Bill Friday**bill.friday@earthlink.net**Hospitality: Mike Harrison**campcraft.mike@gmail.com**Publicity: Open****Show Chair: Tony Smith, 256-603-3095.**tsmith@erc-incorporated.com**Show Vendor Chair: Lowell Zoller, 256-534-8803**Lzol@comcast.net**Show Publicity Chair - Tony Smith**tsmith@erc-incorporated.com**Show Treasurer: Clara Goode, 256-883-9194**claragoode1@comcast.net**Mineral ID: Lowell Zoller**Lzol@comcast.net**Facility Administrator: Bill Friday**bill.friday@earthlink.net

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 and enjoyment of the members and the general public in these areas. This purpose is accomplished through programs and activities, shows, lectures to school children and organizations, and exchange of rocks, minerals, artifacts, and newsletters.

DUES: Annual dues are \$20.00 per person, \$25.00 per family, and are due on January 1st of each year

Membership Applications may be found at our webpage www.Huntsvillegms.org or at the HGMS Education Center during a meeting or at one of our activity periods: 7901 Bailey Cove Rd SE, Huntsville, AL 35802

Meetings: 4th Tuesday of the month except for March Auction, June picnic, Christmas Dinner and major holidays.

The Society is affiliated with the American Federation of Mineralogical Societies ,

the Southeast Federation of Mineralogical Societies, and the Dixie Mineral Council

Federation Newsletters: DMC: <http://www.amfed.org/sfms/dmc/dmc.htm>

SFMS: <https://www.southeastfed.org/newsletter> - new, under construction

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



2022 - 23 CALENDAR

23 Aug'22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

27 Sep '22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

14-16 Oct '22 Fall Gem Jewelry & Mineral Show
Jaycee Building, 2180 Airport Rd, Huntsville AL

25 Oct '22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

22 Nov'22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

13 Dec'22 - Christmas Dinner - Date tentative, Time, and Place to be determined

24 Jan'23 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

28 Feb'23 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

18 Mar '23 Saturday - Annual Rock Auction—Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 8:00am

<p>Deadline for Next Newsletter September 18, 2022</p>
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Dated Material
Do not Delay

August 2022

Rocket City Rocks & Gems
Bill Friday, Editor
2508 Excaltibur Dr.
Huntsville, AL 35803