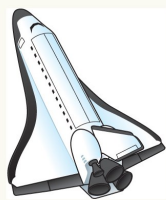


ROCKET CITY ROCKS & GEMS



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

Volume 54 No. 1

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

January 2022

INSIDE THIS ISSUE

President's Notes	2
Dues Notice	2
Christmas Dinner Minutes	2
Rocket City Jewelers	3
Metalsmithing Corner	4
Brad's Bench Tips	4,5
Future Rockhounds	6
Mineral of the Month.....	7
DMC February Field Trip	8
SFMS Rock Swap, Florida	9
Jan/Feb Birthdays/Anniversaries.....	10
Activity Schedule.....	10
Executive Board& Committees.....	11
Calendar.....	12

Jan 25th, 6:00pm Gather, 6:30 Business
Drew McCombs of Baron Weather
Services will describe their multifaceted
weather prediction network developed
since the 1989 Tornado that took
Huntsville by surprise and killed 19
people.



Web Page - www.huntsvillegms.org/



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As your new HGMS President, I welcome you to 2022! Also, welcome our new officers, Vice President Bill Friday and Secretary James Yack, and a big thank you to Clara Goode for continuing as Treasurer, and Shelley Curran, Les Bartel, and Gene Powers for continuing as Directors at Large. I would also like to thank the outgoing officers for their guidance through the Covid years, President Mike Harrison, Secretary Leslie Malakowsky, and Vice President Isabel Leon y Leon, who will continue as Director at Large.

We moved toward normalcy in 2021 holding a successful Gem and Mineral Show and the annual picnic. There are changes on the way as we continue to move forward in 2022. Pebble Pups is becoming Future Rockhounds with expanded activities. We are also working to expand the lapidary lab hours and are exploring ways to implement lapidary fees so that we can maintain the lab's equipment.

The membership vote on the updated Constitution and Bylaws is being pushed to the February meeting to allow for some additional suggested changes. The proposed Constitution and Bylaws will be sent out for membership review prior to the February vote.

I look forward to a fabulous 2022 for HGMS! az (Anthony Zwilling)

Christmas Dinner / Sort of Meeting

Besides good food at Carrabba's in Parkway Place Mall on Dec 14, there was good fellowship amongst the 23 of us in attendance. We exchanged gifts, and then conducted a bit of business, so I guess this counts as the Minutes. The 2022 Budget was presented and approved. The slate of new Executive Board members was presented and approved, as detailed below. And a good time was had by all. Bill Friday, recording secretary.



Executive Board for 2022

President - Anthony Zwilling
Vice-President – Bill Friday
Treasurer – Clara Goode
Recording Secretary - James Yack
Past President) – Mike Harrison

Directors at Large – Isabel Leon y Leon
Gene Powers
Shelly Curran
Les Bartel

All committee chairs have agreed to continue with the following changes:

Pebble Pups – Karen Allen/Mike Harrison	Mineral ID – Open
Membership – Theresa Chivers	Hospitality – Open
Field Trips – Open	

Dues are Now Due—with an Increase for 2022

New Members and current Members - Now \$20 single/\$25 Family

Those who had already paid by Dec 31 will not be charged the extra amount.

What do your dues give back to you? Dues cover about half of the HGMS Annual Budget, along with the Auction, which we will have this year - Rock Sale last year. The income is used to help provide support for our many activities - access to our new Education Center, lapidary, jewelry, metals, Pebble Pups, GeoSciences, Field Trips (DMC will be back next year), AFMS/SFMS/DMC Federation membership & insurance, newsletter, monthly programs, Web Page, Fall Gem, Jewelry, & Mineral Show, Picnic, Christmas Dinner and Outreach. Still quite a bargain, don't you think?!!!

Rocket City Jewelers (RCJ) News*By Leslie Malakowsky*

Happy New Year!

Before Christmas, Judy sent out pictures of class ideas and asked everyone to vote. The classes for the next 3 months were selected based on your feedback. This year, we plan to do this quarterly, followed by signing up for 6 classes at a time. Signups can be changed or added **up until 2 weeks** before the class date. Please be sure to respond to signup requests with either a

YES or a **NO**. To reserve a class kit, Call, Text or Email

Theresa Chivers at 256-509-0406 (wolfson929@gmail.com). You can also reserve your class kit in person at an RCJ meeting. If you do not reserve a kit, one will NOT be made for you.

In our first class of 2022, we started making a bracelet using the Viking Knit wirework technique. We'll be using this technique in future classes.

AARP Tax Aides will be using our room to prepare tax returns for their select clients from February 1st – April 14th, 9am – 4pm, Tuesdays and Thursdays.

Happy jewelry making!

Upcoming Schedule:

Jan 19: 6p – 9p, **Valentines Viper's Basket Bracelet**. Kit \$9. This will be an easy to learn chainmaille weave. We'll be using pink and purple Anodized Aluminum (AA) rings with larger silver-colored Enameled Copper (EC) rings.

Feb 2: 6p – 9p, **Wirewoven Bail with Rose Embellishment**. Kit \$5. First in a series of classes on "How to Dress a Donut". Kit will consist of copper wire and one stone "donut".

Feb 16: 6p – 9p, **Double Cloud Cover Earrings**. Kit cost TBA. We'll learn a new chainmaille weave while making these elegant earrings. **You will need to bring 2, 8mm pearls or stone beads.** Silver Enameled Copper rings will be used with silver-plated leverback ear wires.

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: Remember, we send reminders about classes, but **it's your responsibility to RSVP two weeks before class** to reserve your kit.

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, 256-509-0406 (wolfson929@gmail.com)
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, please join us! All skill levels are welcome!

Please contact Judy with your ideas for more classes (especially projects that incorporate gemstones), or "pin" your ideas on our Pinterest page. We'd also like to know what you're able to teach.



METALS Shelley Curran and Kathy Bowman

CHEMICAL ETCHING WITH THE EDINBURGH METHOD

Learn how to SAFELY etch base metals with chemicals.

February project class February 3rd and 7th. 5:00-9:00 Pm.

Sign up at the meeting or with Shelley or Kathy by email. There are ten openings in each class. Since no torches are involved you don't need to be certified to participate. If there's enough interest we will hold another class at a later date.

We won't be making a finished piece of jewelry in this class. We'll learn another method to create texture on metal. The etched pieces can be used in future projects.

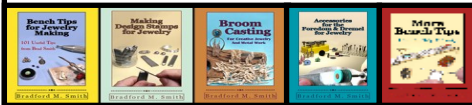
Kit cost. \$10.00

Kit includes 27 square inches of different metals, etchant, written instructions, and all other supplies needed to finish the project.



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



MAGNETIC TOOL BAR

An easy way to keep all your files organized at the bench is to use a magnetic tool strip. They're not expensive and help keep a lot of small tools from cluttering the bench top. I got a couple of them from Harbor Freight for about \$5 each. See <http://www.harborfreight.com> and search on-"magnetic-holder"

My only regret was putting some of my small drills on the magnets. The drills got a little magnetized and now stick together when I carry them in a bottle in my tool box.

SILVER DISCOLORATION

Working with jewelry involves an ever increasing number of skills. Chemistry is one of them that comes into play when dealing with a discoloration on the metal caused by a chemical reaction between it and the environment.

Working with jewelry involves an ever increasing number of skills. Chemistry is one of them that comes into play when dealing with a discoloration on the metal caused by a chemical reaction between it and the environment.

In the case of Sterling silver, there are three discolorations we typically encounter: a tarnish, a firescale, and a firestain. Each is different in its cause, in its cure, and in its prevention. All three have to do with components of the Sterling alloy (92.5% silver and 7.5% copper) and how they react with oxygen and the heat of soldering or with pollutants in the air over the long term. Firescale and fire-stain also occur in 14k or 18k gold because of the copper content.

Continued next page

Brad Smith (SILVER DISCOLORATION continued)

Tarnish is a grayish coating that builds up slowly on the surface as a result of a reaction of the silver with sulfur-based compounds in the air. Typically these are pollutants from the burning of petroleum fuels, but they can come from other sources as well. I once tarnished all the silver in my display case by putting a pretty specimen of iron pyrite in with the jewelry. Turns out pyrite has sulfur in it!

Sulfur from air pollution or any other source combines with the silver to form a grayish silver sulfide film on the surface. Preventing tarnish involves keeping sulfur away from the metal. Plastic bags will help, and anti-tarnish strips are available from jewelry supply companies to pack near your items. Tarnish is easily removed by hand polishing with a jeweler's cloth or with one of the products sold for cleaning the good silverware for holiday dinner.

Another way is to remove it chemically. Put a piece of aluminum in the bottom of a dish large enough to contain your piece. Heat enough water to cover the silver. Mix in 2 tablespoons of sodium carbonate per cup of water and pour into the dish. Be sure the silver touches the aluminum. Sodium carbonate is the main ingredient in washing soda. Read the labels in grocery and hardware stores.

The second type of tarnish is called firescale. It is the dark gray to charcoal colored film that forms on Sterling or other copper alloys like brass or bronze when we heat it with a torch. The copper in the alloy reacts with oxygen in the air to form a dark cupric oxide coating on the surface. Luckily, the oxide is easily removed by dissolving it in a mild acid - generally called a pickle. It's important that we not let firescale form on a solder joint because it will block the flow solder over the joint.

There are two ways to prevent firescale. Most common is to use a flux, a borax-based solution applied to the metal before soldering. When melted, borax forms a thin glassy layer that keeps oxygen away from the metal. A second way is to do your soldering on a charcoal block. Together with the flame, charcoal greatly reduces the amount of oxygen in the area being soldered. In either case, oxygen is prevented from reaching the metal, so no cupric oxide firescale is formed.

A second oxide can also be formed when soldering copper or a high copper content alloy like bronze or brass. It's called cuprous oxide and is reddish in color. That's why a black looking piece you put in the pickle sometimes comes out red. Problem is that while the black cupric oxide is dissolved by a pickle, the red cuprous oxide is not. The discoloration can be sanded or polished off, but an easier way is to use a "super pickle". This is a mixture of fresh pickle with a healthy shot of hydrogen peroxide from the local store.

I've saved the worst form of discoloration, firestain, for last. Think of firescale (above) as like getting dirt on your shirt that you have to wash off. Firestain is like getting ink on it. The discoloration is not just on the surface, it seeps down and stains the material. Firestain happens when we heat a piece of silver too hot, too long, and/or too many times.

Firestain occurs when the oxides start to build up below the surface of the metal. You generally don't notice it until after polishing. It appears as a darker area of the surface and is easy to spot when viewed under light bounced off a piece of white paper. Because firestain is below the surface, there's no easy bench tip solution. Depletion gilding may work for some pieces. Otherwise, removing it calls for sandpaper and aggressive polishing.

A much better approach for a piece that will require a large number of solderings is to protect the metal from developing firestain by applying liberal amounts of a firecoat. Regular soldering flux will provide some protection but is not as effective as preparations made specifically for the task. Jewelry supply companies offer several commercial solutions, but my favorite is the Prips mixture. I use it every time I intend to do more than two solderings on a piece.



Future Rockhounds of America (Pebble Pups with a New Name) Thursday January 27th, 6:00pm

Hello Future Rockhounds!

We have a new name to indicate a new beginning and great future.

Yes, I'm speaking to the youth in your family to come out in 2022 to the Education Center on the fourth Thursday of every month and be a part of Future Rockhounds of America!

The Huntsville Gem & Mineral Society, Future Rock Hounds group will meet on Thursday, January 27 from 6:30 to 7:30 at the Education Center on Bailey Cove Rd. We will begin the topic of Rock/Mineral Identification. We will discuss the steps in classifying rocks in a 14 step process and the Future Rockhounds in attendance will learn and use those steps to identify the sample of rocks we will have on hand. Students of ages 8 to 18 years (younger siblings may attend) are welcome to come and join in on the fun. And as always, parents are required to participate and help the younger students. For those completing the steps, a completion certificate and badge will be awarded at a later date.

We can't wait to see you there!

Your Rock Hound Team

Co-Chairpersons

Karen Allen— KarensMail@hsvAL.com
and Mike Harrison - campcraft.mike@gmail.com



AUCTION, SATURDAY MARCH 19th

Our annual fundraising auction is coming up fast. The auction has grown to become a good source of funding for the club. Proceeds from the auction support HGMS programs and activities including but not limited to junior rockhounds, geosciences, lapidary and much more.

We auction and outright sell all sorts of things, from rough and slabs to specimens and finished pieces. There's books and magazines. We have jewelry making materials and finished jewelry. There's lapidary equipment and tumblers, grits and other things too numerous to mention.

We need volunteers for all sorts of jobs to make all this happen.

For example: * Set up and tear down

* Sign in, get contact info and give out numbered paddles. Have membership info on hand too.

* Keeping the items moving in order to the auctioneer, show the material to the crowd.

* Bid tracker and computer program. Very fast pace.

* Backup bid tracker and computer, to figure checkout totals without the interruption of the primary bid tracker.

* Cashiers, two. Be ok with making change and taking credit cards. Fast moving near the end of the day.

* Runners

* Sold table holding area, two people.

* Someone to run the buy it now area. Organize items and tables. Outright sales, must be comfortable dealing and dickering, no cash involved.

* Someone in the equipment area to provide info to patrons.

Pick a job that interests you. Some are somewhat physical and others are sit down jobs. We'll need backup for most jobs as not everyone can stay all day.

Thank you in advance for your participation.

Shelley Curran, Auction Chair

Mineral of the Month – Ice *By Leslie A. Malakowsky*

You may be surprised that ice is considered a mineral, but it does (at least partially) meet the definition of a mineral: a naturally occurring usually inorganic substance that has a (more or less) definite chemical composition and a crystal structure. Yes, the ice that your freezer makes is a mineral, too.



An ordinary household ice cube.

Ice is water that has frozen into a solid state. Depending on the presence of air bubbles, ice can be transparent or more or less opaque white or bluish white. Naturally occurring ice can have impurities, such as particles of soil.

All of the ice on Earth's surface and in its atmosphere has an hexagonal crystalline structure with minute traces of cubic ice. When ice forms, it can exhibit several different phases (or states of matter) depending on the current temperature and pressure. The most phase occurs when liquid water cools below 32°F at standard atmospheric pressure.



A large hailstone, about 6 cm (2.4 in) in diameter

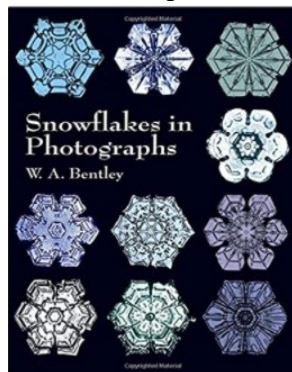
Ice is abundant in our Solar System, occurring naturally from Mercury to the Oort clouds (theoretical clouds of mostly small icy pieces of planets that surround the Sun at great distances; named after Dutch astronomer Jan Oort). Beyond the Solar System, it occurs as interstellar ice, that is, ice that occupies the physical space within a galaxy beyond the influence of each star.



Snowflake viewed in an optical microscope

Ice plays a key role in Earth's water cycle and climate. It occurs naturally on land, oceans, lakes and rivers. It is especially abundant in the polar regions and above the snow line (the boundary between a snow-covered surface and a snow-free surface in mountainous areas), and of course as a common form of precipitation and deposition. On land, ice ranges in size from large ice sheets to smaller ice caps and ice fields to glaciers and ice streams to snow lines and snow fields. Ice forms as frost, rime ice, ice pellets and icicles and falls as hail and snowflakes. Snowflakes need supercooled cloud droplets that remain liquid below 0 °F allowing a few molecules in the droplets to form nuclei. Our understanding of how snowflakes form is not well known, but particulates such as clay, dust, and biological debris may play a role.

As an aside, Wilson Alwyn "Snowflake" Bentley was one of the first known snowflake photographers. He perfected a technique of catching snowflakes on black velvet so that their images could be captured. I'm fascinated by the beauty and endless variety of snowflakes. When I searched for information on Mr. Bentley, I found this quote on *amazon.com*:



"In 1931, the American Meteorological Society gathered the best of Bentley's photos and had them published; that work has long been available in a Dover reprint edition. The present volume includes a selection of 72 of the best plates (containing over 850 royalty-free, black-and-white photographs), carefully selected from that larger collection.

An inexhaustible source of design inspiration for artists, designers, and craftspeople, these graceful patterns are ideal for use in textile and wallpaper design, as well as a host of other creative projects. These images will also appeal to anyone intrigued by the intricacy and beauty of design in the natural world."

In addition to cooling our summertime beverages, ice is used in a variety of ways, including cooling rooms, winter sports, and ice sculpture! Ice is produced on an industrial scale for uses including food storage and processing, chemical manufacturing, concrete mixing and curing, and consumer or packaged ice.

This article was inspired by our first snowstorm of the new year earlier this month! *If you'd like to see a particular mineral featured in this newsletter, please send email to lmalakowsky@gmail.com.*

References: wikipedia.org, mindat.org, amazon.com



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 Tennessee Valley Rock and Mineral Society (Chattanooga, TN) (HOST)
An Official Field Trip of the Huntsville Gem & Mineral Society

Saturday, February 19, 2022, 9:00 am CST, Ross Creek, Gruetli-Laager, TN

TRIP: Day trip to a Pennsylvanian/Mississippian scale and fern tree fossil site. The site is easily accessible by auto and is not a strenuous site. The site is a shallow creek that is wet year-round. This time of year, snakes and poison ivy are probably not a problem. Our club has been collecting at this site for 15 years.

COLLECTING: Collecting will include various genus and species of Pennsylvanian and Mississippian carboniferous plant fossils. Extensive digging is not required as most specimens are readily picked up in the creek or in the creek bank wash.

BRING: Bring a bucket, digging trowel, geology hammer, magnifying lens, packing material to protect finds, wet weather gear especially boots, gloves, change of shoes and pants as you will get wet. It will be cold this time of year and you will be on top of a mountain, so bring warm dry clothes to change into and check weather for Monteagle, TN for forecast.

REQUIREMENTS: There are no age restrictions but must be able to negotiate uneven terrain and cross a creek. It may be muddy and slippery. Remember this is undeveloped land and has many roots and vines on the ground. Loose rocks everywhere.

TERRAIN/SPECIAL CONDITIONS: Parking will be ample on a dirt road. It may be muddy depending on the weather. There are no facilities in the area, so bring water, food and first aid meds if needed. Cell phone reception at best is unreliable.

FEE: There is no fee. **REGISTRATION:** No limit on participants, will register at meeting site: contact is Charlie Jones 423 653 4479

CHILDREN: Children encouraged, but must be able to walk on uneven terrain. Adults are expected to supervise your children.

PETS: No pets allowed

FACILITIES: There are no adjacent facilities for this site. This is a remote site, very primitive.

ADDITIONAL INFORMATION: A brief safety/orientation meeting will be held at the rendezvous site. Samples of collection material will be available for inspection.

DIRECTIONS AND WHERE TO MEET: We will meet at the Hardee's parking lot on top of Monteagle Mountain, I-24 W exit 134, US Hwy41A out of Winchester TN. Meeting time is 0900 CST, departure to site at 0920 CST, we will caravan to site. If late call ahead to Charlie Jones cell at 423-653-4479, or before the trip date at 423-843-6441. Cell service at site is not dependable

GPS 35.23851, -85.84960 or 35° 14' 18.43" 85° 50' 58.45"

CONTACT: Charlie Jones C-423 653-4479, LAND 423-842-6441



IMPORTANT: DMC field trips are open only to members of clubs in the SFMS DMC field trip sharing program. Have your current membership card with you. 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 DMC field trip information where the general public can access it.**

DMC Field trips will continue to be planned and scheduled, but may be rescheduled or cancelled pending changes in Covid19 or weather conditions. If any changes arise, HGMS will be notified as soon as practical.

Southeast Federation Mineralogical Societies, Inc. - February 18-20, 2022**Rockhound Roundup Application - Suwannee River Music Park, Live Oak, FL**

We hope this will continue to be a successful Rockhound Roundups sponsored by the SFMS. Each SFMS member who applies for and is accepted, will be allotted a 10' x 20' space in an open field designated for this event. Cost this year is a minimal \$50.00 per space, one space per Vendor, for one to all three days. No tents, tables or chairs are available, you **MUST BRING YOUR OWN!** This is intended to be an old-fashioned rock swap and sale - bring your pickup, drop the tailgate and have fun.

Name: _____

Address: _____

Phone: _____

Cell: _____

Email: _____

SFMS Club Affiliation: _____

Vehicle Make/Model: _____

Plate#: _____

Will you have a tent? Yes _____

No _____

Applicant Signature _____

Date _____

Your signature indicates acceptance of the terms and conditions outlined in this document.

Send Application and check made out to SFMS to:

SFMS Secretary

Jerri Heer

9016 122nd Av

Tampa, FL 33637-5321

_____ for office use

only _____

Date form was received: _____

By: _____

Check # _____

Check \$ _____

Space assignment: Row: _____

Space: _____

SFMS Lodestar Newsletter Subscribe and Submit to: SFMS.Lodestar@gmail.com November 2021**SFMS Fourth Annual Rockhound Roundup**

Set-up Friday- Sunday, February 18-20, 2022 each day from 7 am – 9 am. Check in at the SFMS Welcome tent.

All vendor vehicles must be in place by 9 am. Swap and sales start each day at 9 am, ending at 4 pm.

Venue Info:

1. Restrooms are available inside the Suwannee River Music Park at the Music Hall and Café.
2. ATM machine is available in the General Store.
3. Housing: Cabins, RV Space and campsites are available in the Park. Call Carol Walker at (386)365-0070 for reservations. If you don't reach her, leave a message, she will call you back. Please indicate that that you are with the Rockhound Roundup as they are tracking our participation. You may also reserve online at www.musicliveshere.com or by calling the main line (386)364-1683.
4. Hotels: In addition to accommodations onsite, there are several hotels nearby. Go to <https://www.musicliveshere.com/directions-maps/> for a list.
5. The General Store and Café has food available onsite and as take out. We are attempting to arrange one or more food trucks, but that is not finalized at this time. You are welcome to bring your own food and beverages.

SFMS Responsibilities:

1. Provide a marked 10' x 20' space and vehicle access to the space.
2. Provide access to trash receptacles
3. Provide access to toilet facilities.

Applicant/Vendor Responsibilities

1. Set-up within boundaries of provided space. Any changes to the designated space are only allowed at the discretion of the Roundup Committee.
2. Police assigned site for trash during and after event.
3. You are responsible for your own security. You may set-up and tear down each day.
4. Provide all equipment, tents, tables and chairs for your own set-up.

We ask that you please be understanding that as we continue to grow this event, we are in a learning curve as to what works best. We will try to anticipate all reasonable needs. Our goal is to provide a smooth event, but there will likely be hiccups along the way. All of us are volunteers trying to make this an enjoyable event for all. We welcome your suggestions and ideas for improvement. Email questions to Secretary@southeastfed.org



January Birthdays

1 Robert Handford	10 Brittany Stoner
3 Steve Tesh	17 David Bath
4 Wayne Hall	18 Amy Peeples
4 Trent Phillips	20 Betty Zoller
7 Anita Bynum	21 Lowell Zoller
7 Rebecca Johnson	22 Mike Wesley
7 Daniel Peeples	23 Isabel Leon y Leon
8 Susan Lowman	26 Kyla Harris
9 Brian Burgess	30 Sherry Cantrell

Anniversaries

12 Josh & Amy Peeples



January
Garnet

February Birthdays

1 Ryan Flippo	12 Kay Jones
2 Michael Cape	12 Deborah Wright
2 Maureen Lokken	17 Don Cooper
5 Alli Curran	18 Wayne Falkenberg
6 Mike Goode	18 Amy Freeman
7 Lester Bartel	21 Zachery Moore
7 Karen Cale	23 Alison Wydner
10 Tony Smith	22 Joey Bonds

Anniversaries

12 Don & Marie Aldridge
12 Kay & Mark Jones
12 Brant & Alice Kosten



February
Amethyst

The Huntsville Gem & Mineral Education , 7901 Bailey Cove Rd. is is now open on a regular schedule

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

Lapidary: Bill Friday, Michael Cape, James Yack, Bruce Kowalczyk, Anthony Zwilling

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

Monday	Metal Smithing	5:30pm - 9:00pm
	Lapidary	1st Monday each month 9:45am-2:00pm
	Lapidary	5:30pm - 9:00pm
Tuesday	Lapidary	9:00am - 2:00pm
	Lapidary	6:00pm - 9:00pm
	HGMS Meetings	6:00pm - 9:00 4th Tuesdays
Wednesday	Lapidary	6:00pm - 9:00pm
	Rocket City Jewelers 1st & 3rd Weeks -	6:00pm - 9:00pm
	Rocket City Jewelers 2nd & 4th Weeks -	2:00pm - 5:00pm
Thursday	Lapidary	6:00pm - 9:00pm
	Metal Smithing	5:30pm - 9:00pm
	GeoSciences	6:30pm 2nd Thursdays
	Pebble Pups	6:30 4th Thursdays
Saturday	Metal Smithing	9:00am - 3:00pm irregular 1st Saturday of the Month

2021 HUNTSVILLE GEM & MINERAL SOCIETY OFFICERS

President— Anthony Zwillling - afzwillling@gmail.com
 Vice President - Bill Friday - bill.Friday@earthlink.net
 Recording Secretary: James Yack - jamesgyack@gmail.com
 Treasurer: Clara Goode, 256-883-9194 - claragoode1@comcast.net
 Newsletter 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.com
 Les Bartel - lester.bartel@gmail.com
 Shelley Curran - curranshelley1@gmail.com
 Isabel Leon y Leon- isabel.leonyleon@gmail.com

2022 COMMITTEE CHAIRS

<p>Property: Michael Cape macape@knology.net Program Chair—Bill Friday bill.friday@earthlink.net Publicity: Bob Kemper bob_kemper@yahoo.com Webpage: Leslie Malakowsky, lmalakowsky@gmail.com Auction Chair: Shelley Curran curranshelley1@gmail.com Membership: Theresa Chivers wolfson929@gmail.com Field Trips: Open Hospitality: Open</p>	<p>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</p>
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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 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 \$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 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: www.amfed.org/sfms/lodestar_newsletter.html

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



2022 CALENDAR



- 25 Jan'22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 22 Feb '22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:
- 19 Mar '22 - Spring Rock Auction Fundraiser, HGMS Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 26 Apr'22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 24 May'22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 25 Jun '22 (Saturday) Annual Picnic and Rock Swap 8:00 to 4:30
Huntsville Monte Sano State Park, Trailhead Pavilion
- 26 Jul '22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

Deadline for Next Newsletter
February 13, 2022

**Dated material
Do not delay**

January 2022

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