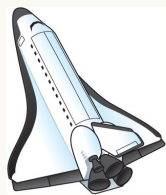


ROCKET CITY ROCKS & GEMS



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

Volume 53 No. 34

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

April 2021

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Regular Meeting - April 27, 6:00pm
Gem & Mineral Education Center
7901 Bailey Cove Rd, Huntsville

Mountain Shelter Archaeology

Jon Jones will present results of his excavations within shelters along the ridges of local mountains. American Indians used these shelters for thousands of years and they left numerous artifacts which can be used to interpret how and when they lived in this area. All of Jon's research is approved by and coordinated with the Alabama Archaeological Society in Tuscaloosa.



**Masks
Optional**

www.huntsvillegms.org/ - www.facebook.com/HuntsvilleGMS -



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Happy Tax Day!

Just kidding! We have another 32 days! (well, less when you read this)

On a less happy note, I just found out that William Holland has cancelled their classes for this year. They cancelled all classes last year as well. When they do resume classes, it will be an awesome opportunity if you get a chance and chose to attend one of the many classes they offer. I attended a beginners faceting class

there a few years back and I really want to attend other classes there in the future. Their website is <https://lapidaryschool.org/main.aspx>

Wildacres Spring Session (May 17-23) has been cancelled due to a lack of interest but registration for the Fall Session will be announced at a later date. Their website is <https://efmls.org/wildacres/>

Both schools are a treasure we cannot afford to lose and with COVID, it has seriously hurt their financial situation. If you feel led, you can reach out to one or the other and donate minerals, supplies or money. Anything would be appreciated and could not be needed more.

And on that note, if you ever get an email directly from me asking for anything, believe me, it is a scam. Delete it immediately and rest assured, I have not lost my phone, found myself stuck in another country or even another state and I don't support great causes by asking you send gift cards to a P. O. Box somewhere. It's not me! By all means support great causes but do so by supporting them directly.

And I hope you do make it to this month's meeting. It will be great! Continue reading this great newsletter and but informed of all the great opportunities that we offer you as a club member!

Your President

Mike Harrison

Wildacres Art & Craft School for 2021

William Holland has cancelled all classes for this year. Wildacres has cancelled their Spring classes, but as of now their SFMS Sponsored Fall classes are still open - August 23-29 & September 13-19 Take a look at the classes to get descriptions and learn about our great teachers. then go to the Registration page to download a registration form and either mail in the form and a check or do both electronically! Check the website for SFMS offerings.

WILDACRES 2021 - <https://efmls.org/wildacres/>

If all goes well, the dates for the EFMLS Wildacres. The unknown, of course, is the situation regarding the Coronavirus.

Because of this, we are asking everyone not to send in checks at this time.

Tentative classes include wire wrapping, chain mail, cabochon making, micromount preparation, faceting, beading, and PMC. These may be subject to change as conditions change. The cost for the entire week will be \$435 which includes room and board, classes, lectures, and other activities.

We hope to know soon if Wildacres will be able to open and if the conditions in the eastern states permit traveling. Stay tuned.

The cost of each session for 2021 is \$435 per person. Applications, with a deposit of \$220.00 per person, but no one should send any money at this time. We are waiting for updates on the covid-19 pandemic.

Suzie Milligan, Wildacres Registrar - smilligan@stny.rr.com

931 Carmichael Rd; Owego, NY 13827 / 607-687-5108

Steve Weinberger, Wildacres Director

In view of the continuing crisis with the COVID19, the William Holland School Board and I have decided to cancel the School opening for this year.



Minutes of the March 23 Regular Meeting

Bill Friday opened the meeting at 6:30pm as Mike and Isabel were unable to attend. Bill recognized our visitors, who were invited to select rocks – an HGMS tradition. He commented that we haven't met in a long time, and he hopes that tonight's meeting will be the first of 11 more meetings this year! He briefly explained how the former Grissom High School Field House was refurbished and we were able to move in. The museum/library/theatre (the left room at the end of the lapidary area) will soon be complete. The new education center far exceeds the accommodations we had at the Senior Center. We don't have internet, yet, but in the meantime, we can rent movies from the SFMS' (Southeast Federation of Mineralogical Societies) vast collection. There were 25 members in Attendance

Visitors and first time attendees: Karen Lester and Deborah Wright

Reports

Lapidary – Bill reported that the lab is now open from 9a - 3p, Tuesdays and Fridays, and once a month on Saturdays. Sign up with Bill to reserve a rock locker. Volunteers are needed to help clean donated equipment for sale.

Metalsmithing – Shelley reported that classes are the 1st Thursday and the following Monday of the month. The studio is open the other Monday and Thursday nights for certified members to work on individual projects. The April class is a Torch Fired White Enamel Pendant.

Rocket City Jewelers – Leslie reported that RCJ meets every Wednesday in the L-shaped room on the south side of the Pebble Pups/GeoSciences room. Classes are 6p - 9p on 1st and 3rd Wednesdays, and open time is 2p - 5p on 2nd and 4th Wednesdays. The next class is tomorrow, February 24th, from 6p - 9p, not 2p - 5p. Everyone is welcome to visit tomorrow night. Please see huntsvillegms.org for the latest info.

Treasurer – Clara reported (via Shelley) that our account balance is \$4600.00. .

GeoSciences – Bill briefly explained how this group was formed starting with rocks and geology, then expanding to include fossils, archaeology, astronomy and other interesting topics such as lasers. The next meeting is Thursday, April 15th. The program will be FLIBE Energy, a safer nuclear power generation technology, Dr. Kirk Sorensen.

Pebble Pups – Bill announced that the Pups are going to start meeting again at 6p, on Thursday, March 25th (the day after tomorrow) in the Pebble Pups/GeoSciences room. The program will be crystal growing.

Auction – Shelley reported that we'll have a better chance to attract the public if we have an outdoor yard sale at the end of April rather than an indoor auction. She'll investigate using the new Education Center for the yard sale.

Picnic – We are planning to have the picnic in June. Last year, the picnic was held in the big pavilion at Monte Sano State Park, and we ordered box lunches, but for this year, maybe we can find a less expensive place. Shelley volunteered to investigate other places, but not to organize the picnic. We could rent a picnic shelter at Sharon Johnston Park for \$175 instead of the Monte Sano pavilion for \$400. We need to find a new Host/Hostess.

Show – We are planning to have the show in October. The City of Huntsville transferred our 2020 down payment for the Jaycee Community Building to 2021. The moon rock we had at the 2019 show was collected by Apollo 15. Because 2021 is the 50th anniversary of the Apollo 15 mission, we want to have the moon rock at the show! Bill pointed out that the Kids' Area will be 4x's bigger than we've had in the past, and most of our new members sign up at the show.

Other Business

Membership Dues - Bill reminded everyone that dues are due! Pick up your membership card, if you haven't already. Dues are still only \$15 for individuals and \$20 for families. That's a great deal for everything our club has to offer including educational opportunities, activity groups, field trips, community outreach, the picnic, and the show!

Field Trips - Bill explained that the SFMS owned DMC (Dixie Mineral Council), field trips are cancelled for 2020. He also pointed out that HGMS members are not allowed to visit DMC trip localities outside DMC trip dates. Bill wants a trip to Parson's Ridge for trilobites. Eric Ellison wants a trip to Stringfield Quarry.

Program

The program tonight was "Separating Minerals by Gravity", presented by Bob Kemper. Amazing to watch!

The meeting ended about 9:00pm



Metal Smithing/Silver Group by Kathy Bowman & Shelley Curran

May Class: Making Metal Beads, May 6 & 10th, 5-9:00 PM

Pillow beads, Lentil beads, and Crescent Roll beads.

Learn to fabricate metal beads from sheet metal and tubing. Once you have the basic how to down these beads can be varied in design endlessly. I believe anyone who can solder some and has patience can make these

beads.

Skills learned include precise measuring, using a tube cutter, dapping, and fussy soldering on a smallish scale.

We will be concentrating on the pillow beads in class. Instructions and materials for the other two are included in the kit but we may not get all three styles done in one session.

We will be working in copper. The kit price is \$6.00 and includes all materials and instructions for all three types of beads. Silver will be available for those who wish at market price. Ten strand stainless steel neck wires, 16 inch, will also be available for purchase.

Please be sure to note if you want the Thursday or Monday session when you sign up for the class. If warranted classes may be combined. As always you may sign up at the meeting, in class, or at Kathy's wilddivy email address, found in the newsletter.

Now that COVID restrictions have eased some we hope to have certification classes very soon. Kathy will notify those of you who signed up. But please keep in mind that the list has become quite long. We will get to everyone eventually though. Thank you for your patience.



IMPORTANT! CURRENTLY CLASS SIZES ARE LIMITED TO 6 STUDENTS PER SESSION. YOU MUST PRE-REGISTER FOR CLASSES BECAUSE OF THE LIMIT ON THE NUMBER OF STUDENTS. YOU WILL NOT BE ASSURED A SEAT IN THE CLASS IF YOU SHOW UP AT THE DOOR!

Certification Classes: We hope to resume certifications on a one to three person basis in April. 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. 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. We are looking at having the Certification Class on a night other than Monday or Thursday since seats on both work session nights are full.

Volunteer Positions *

Class Instructors:

Kathy Bowman

Shelley Curran

Tools/Equipment Inventory

Annie Diekmann

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.

Get your access code for the new facility

The security keypad and magnetic latch are installed. Members will need a personal five-digit code for access. Select a code number smaller than 64,000, as the controller is allergic to larger ones. You will need to press # afterward. To exit, an overhead motion sensor will unlatch the magnet - after a short delay. Please provide your chosen number to Bill Friday who will maintain the repository.

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

We're starting a new chainmaille project on April 21st! We're going to make a decorative piece by weaving rings on the same loom that we used to make the Euro 4-in-1 bracelet. The finished piece will be 30rings x 30rings square. You'll need to bring 2 pairs of chain nose pliers, your finished design, and the jump rings you purchased for your design. You'll create the entire piece on the loom using the Euro 4-in-1 weave. You'll start with your background colors then "inlay" the other colors according to your design. The photo shown is an example; everyone's design will be different. Looms are \$5. If you haven't ordered yours yet, contact Judy ASAP! Everyone stay safe and healthy! Please keep our members who are fighting COVID-19 in your thoughts and prayers. We wish you a speedy recovery!



Upcoming Schedule

Apr 21: Euro 4-in-1 "inlay" project (in lieu of CMS 9), 6-9p. Looms are \$5 each. Deadline to reserve your Red, White, & Blue Memory Wire Bangle kit, \$6.

Apr 28: Finish It/Make Up, 2-5p. Tentative: CMS 6 & 7: Half Persian 4-in-1 & 3-in-1.

May 5: Red, White, & Blue Memory Wire Bangle, 6-9p.

May 12: Finish It/Make Up, 2-5p.

*CMS= Chainmaille Samples

Remember that we meet from 6p – 9p on 1st and 3rd Wednesdays and from 2p – 5p on 2nd and 4th Wednesdays with 5th Wednesdays TBA. Please note that when you'd like to take a class, **you must contact us two weeks prior to the class** (unless otherwise indicated in the schedule) so we can make a kit for you.

Important: The HGMS Education Center is located at 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, and park directly opposite the building. Please enter the double glass doors on the West side of the building. Please be aware that 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) to let you in.

Volunteers:

Group Leader	Leslie Malakowsky
Instructors	Judy Osmundson, Leslie Malakowsky, Theresa Chivers
Treasurer	Clara Goode, Judy Osmundson
Facebook	open
Security	Judy Osmundson and Theresa Chivers (backup)

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 us know what you are able to teach and what you would like to learn. **Please post your ideas on our Pinterest page!**

GeoSciences - May 13, 6:30pm - HGMS Ed Center**Mining the Moon - Dr Kirk Sorensen**

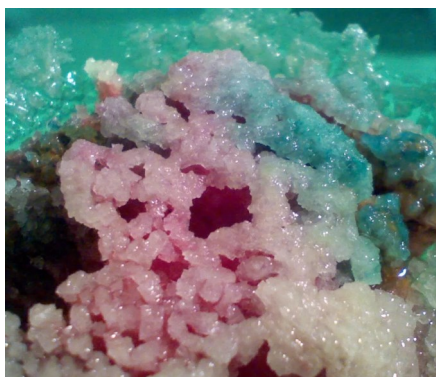
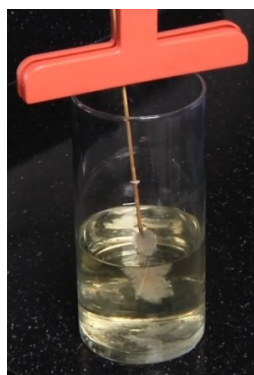
The Moon contains almost identical chemical makeup as does the earth, although the components have not been geologically concentrated as they have here since the Moon has not molten core or tectonic surface activity. Any long term colony on the moon will need basic resources - water, air, metals, and utilities, mainly electricity. Transporting any of this from Earth is prohibitively expensive and impractical.

Water has been found in the Moon's polar regions, although not in lakes, but rather thin ice. Aluminum is present in the same abundance as on Earth but it is widely distributed. Given an adequate method of generating electricity, water can be collected and purified, and it can be dissociated to oxygen for breathing and hydrogen for fuel. Aluminum can be refined for use in creating structures.

A source of electricity would be needed to accomplish any of these necessities. FLIBE Energy Inc of Huntsville offers such a technology - safe, reliable, scalable, and transportable. But there are lots of issues and questions. Dr. Sorensen will give the presentation, and will be asking for serious feedback from the attendees. Come and participate.

**Pebble Pups****April 22, 6:00 Crystal Growing**

Held over from March. We will be growing several kinds of crystals, and you make take home not just the ones you have started, but also the materials and instruction for making more of them with your parents. We will grow Epsom salt and table salt crystals - all very easy and non-toxic.

**May 27 6:00pm - Sharks**

We will meet in our own Pups Room of the new Gem & Mineral Education Center at the old Grissom High facility.

SHARKS (ancient ones anyway) Learn a lot about Sharks that you may not have picked up in School. And you will get a chance to excavate for some to take home!

Bring your friends. For more information, contact Bill Friday

bill.friday@earthlink.net 256-527-8227



Mineral of the Month – Flower Stone

By Leslie A. Malakowsky

Flower stone (or chrysanthemum stone) consists of two-dimensional radiating crystals of minerals embedded in a gray limestone matrix. This assemblage resembles a “flower,” particularly a chrysanthemum, in which celestite and calcite crystals are the “petals” and chert is the “stamen.” Flower stone is thought to be of Permian age (approximately 250 million years old), and it may contain more than ten kinds of trace elements such as selenium, strontium, gold, silver and bismuth.



The diameters of the flowers typically range from 2 inches to 3.5 inches, but a maximum of 20 inches has been recorded. The flowers vary in shape because the petals radiate out in different directions and orientations, and the petals vary in width and length. Some petals may be longer and wider than others causing less of a chrysanthemum appearance.



Nature may expose the flowers through weathering and wave action, but the stone is frequently carved or sand blasted to expose the flowers and to form the stone into artistic shapes including cabochons. The shapes are smoothed or polished to give them a finished look for making into beautiful one-of-a-kind jewelry and art pieces. Such products are very popular in Asia. And they are becoming fairly common in mineral shows in other countries and through online sources.

The classic occurrence of flower stone is along the Yumg River, in Kiuyan County, in Hunan Province, China. The matrix is Permian age Quixia Limestone. The flower petals are blades of white to pale bluish-gray celestite or white calcite that radiate from a small chert nodule center. In preparing specimens for sale, artisans may dye the matrix a dark color to show a nice contrast between the matrix and the flower. In Japan, specimens of flower stone consist of aragonite (or calcite pseudomorphs after aragonite) in a schalstein (slaty) matrix. (A *pseudomorph* is a mineral whose appearance remains the same after the original mineral has been replaced by another mineral.)

In British Columbia, flower stone is a gabbro porphyry of feldspar crystals that show a distinct flower pattern in a basalt matrix. (A *porphyry* is a textual term for an igneous rock that consists of large-grained crystals in a fine-grained matrix.) British Columbian flower stone is also known as “snowflake stone” and it is similar to Chinese “writing rock” and “rice rock.” The feldspar crystals are thought to have “blossomed” in an explosion creating the flower shape. Specimens of this particular type are found only on Vancouver Island and in Japan. Classic samples show flurries of white flowers on a black background. Other samples show only a few flowers on a gray background. Some of the flowers may occur in different colors and some may resemble snowflakes, pieces of rice, or Chinese letters.

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

Field Trip Opportunities

Tentative Offering - Cathedral Caverns, Grant AL – Saturday May 1st
- watch for updates.

Originally called Bat Cave, Cathedral Caverns was opened to the public by Jacob Gurley in the 1950's. The cave was renamed because of its cathedral-like appearance. Purchased by the state in 1987, it was opened as a State Park in the summer of 2000. A gem flume is also available.



Devil's Racetrack geology and fossil hike - May 15

A thick layer of soft lime clay runs through Monte Sano and surrounding hills in Huntsville. On Wade Mountain in north Huntsville the layer is exposed a few dozen feet from the top. The soil is toxic to most trees, so that only grass and a few hardy Eastern Red Cedars can grow there, forming an almost bare circular path around the hill. Thus the name Devil's Racetrack. It abounds in fossils including brachiopods, crinoids, blastoids, bryozoa, occasional shark bits, and even more rare trilobites.



Dummy line railroad geology hike, Monte Sano in Huntsville - to be determined

Around 1880 in Huntsville a railroad line was constructed from the downtown depot to the Monte Sano Hotel on top of the mountain. There are several hiking trails in this canyon, one following the original right of way of the track, with bridge abutments still in place, including the wide "buttonhook" bridge loop.

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.

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 Jewelry Making". See a sample chapter at <https://amzn.to/2KCygh4>



BEZEL PROBLEMS

When bezel setting a cab that has rather sharp corners, have you ever had problems pushing the metal down at the corners? It's a common problem often causing a wrinkle in your bezel and a grimace on your face.

In order for a bezel to capture the stone, the top edge of the bezel must be compressed and become shorter to lay down onto the stone. With a round or oval stone this naturally happens as you push and burnish the bezel. But when setting a stone with corners, the tendency is to push the long sides of the bezel down first. No compression occurs along the sides, and all excess metal is left at the corners. Compressing everything there is difficult. Often the only way to remove the extra metal at the corner is to make a saw cut and fold the two sides in to touch.

If you want a smooth bezel all around the corners, the simple solution is to set the corners of the bezel first. Then push in and burnish the sides. In this way the necessary compression is distributed along the length of all sides and not forced to occur at the corners. With the corners set first, the top edge of the bezel can easily be compressed along the sides.



CHEAPER & BETTER PICKLE

Most jewelers use a granular pickle mixed with water. The active ingredient is sodium bisulfate. This can be purchased online (<http://amzn.to/2HkNTro>) or from local stores as a common pool chemical used for adjusting the acidity of the water. It's sold under various names, so be sure to check the list of active ingredients for a brand that is 95% or more sodium bisulfate.

An added benefit is that the pool chemical is more pure in form than what is sold for jewelry use and does not cause the brown grime often found floating on the top of the pot.

The **Mohs scale of mineral hardness** characterizes the scratch resistance of various minerals through the ability of a harder material to scratch a softer material. It was created in 1812 by the German mineralogist Friedrich Mohs and is one of several definitions of hardness in materials science. The method of comparing hardness by seeing which minerals can scratch others, however, is of great antiquity, having first been mentioned by Theophrastus in his treatise *On Stones*, circa 300 BC, followed by Pliny the Elder in his *Naturalis Historia*, circa 77 AD. The Mohs scale of mineral hardness is based on the ability of one natural sample of matter to scratch another. The samples of matter used by Mohs are all minerals. Minerals are pure substances found in nature. Rocks are made up of one or more minerals. As the hardest known naturally occurring substance when the scale was designed, diamonds are at the top of the scale. The hardness of a material is measured against the scale by finding the hardest material that the given material can scratch, and/or the softest material that can scratch the given material. For example, if some material is scratched by apatite but not by fluorite, its hardness on the Mohs scale would fall between 4 and 5. The Mohs scale is a purely ordinal scale. For example, corundum (9) is twice as hard as topaz (8), but diamond (10) is almost four times as hard as corundum. The table below shows comparison with absolute hardness measured by a sclerometer. Since the invention of the scale, there have been reports of materials harder than the highest mineral on the scale, diamond; so the Mohs scale may be changed in the future.

Mohs hardness	Mineral	Chemical formula	Absolute hardness
1	Talc	$\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$	1
2	Gypsum	$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$	3
3	Calcite	CaCO_3	9
4	Fluorite	CaF_2	21
5	Apatite	$\text{Ca}_5(\text{PO}_4)_3(\text{OH}^-, \text{Cl}^-, \text{F}^-)$	48
6	Orthoclase Feldspar	KAlSi_3O_8	72
7	Quartz	SiO_2	100
8	Topaz	$\text{Al}_2\text{SiO}_4(\text{OH}^-, \text{F}^-)_2$	200
9	Corundum	Al_2O_3	400
10	Diamond	C	1600

On the Mohs scale, pencil "lead" (graphite) has a hardness of 1.5; a fingernail, 2.2–2.5; a copper penny, 3.2–3.5; a pocketknife 5.1; a knife blade, 5.5; window glass plate, 5.5; and a steel file, 6.5. A streak plate (unglazed porcelain) has a hardness of 7.0. Using these ordinary materials of known hardness can be a simple way to approximate the position of a mineral on the scale.

Hardness Substance or mineral 0.2–0.3 caesium, rubidium 0.5–0.6 lithium, sodium, potassium 1 talc 1.5 gallium, strontium, indium, tin, barium, thallium, lead, graphite 2 hexagonal boron nitride,^[11] calcium, selenium, cadmium, sulfur, tellurium, bismuth 2.5 to 3 magnesium, gold, silver, aluminium, zinc, lanthanum, cerium, jet (lignite) 3 calcite, copper, arsenic, antimony, thorium, dentin 4 fluorite, iron, nickel 4 to 4.5 platinum, steel 5 apatite, cobalt, zirconium, palladium, tooth enamel, obsidian (volcanic glass) 5.5 beryllium, molybdenum, hafnium 6 orthoclase, titanium, manganese, germanium, niobium, rhodium, uranium 6 to 7 glass, fused quartz, iron pyrite, silicon, ruthenium, iridium, tantalum 7 quartz, vanadium, osmium, rhenium 7.5 to 8 hardened steel, tungsten, emerald, spinel 8 topaz, cubic zirconia 8.5 chrysoberyl, chromium 9–9.5 corundum, silicon carbide (carborundum), tungsten carbide, titanium carbide, stishovite 9.5–10 rhenium diboride, tantalum carbide, titanium diboride, boron diamond >10 nanocrystalline diamond (hyperdiamond, ultrahard fullerite)

April Birthdays

4 Anne Deikman	19 Thelia DeMoor
4 Ryan McNeal	19 Bill Lokken
4 Julia Morton	20 Jan Edmunds
5 Autumn Posta	22 Shrail Heinrich
6 Jacob Morton	22 Alex McCormick
9 Nova Hilley	23 Bill Friday
11 Isabel Leon y Leon	24 Mark Dexheimer
11 Leslie Malakowsky	26 Missy Baggett
11 Anita Owen	27 Don Aldridge
17 Bill Sweetman	30 Shirley Bruce
18 Alex Forscher	30 Jane Detwiler

Anniversaries

6 Iven Holt
7 Joe & Sherrie Bonin
8 Mike & Myra Soroczak

May Birthdays

2 Bryan Harris	17 Jeff Finckenor
3 Jim Hanes	22 Mike Chivers
4 Autumn Posta	25 Maureen Priddy
5 Myra Soroczak	26 Trudie Murphy
6 Phil Lester	27 Chris Kalange
9 Laura Bath	29 Ruth Finckenor
13 Laurie Cantrell	30 Mike Bowman
14 Joe Bonin	30 Jim Treadway
16 Mike Curran	31 Raymond Tanner
16 Vicki Van Valkenburgh	

Anniversaries

1 Deborah & John Wright
6 John & Julie McCullough
17 Gerdy & David Wyatt
18 Chelsey Perry
18 Mike & Anne Wesley
28 Angela & Matthew Gilliam
29 David & Diana O'Dell

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, Justin Smith

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

Monday	Metal Smithing	5:30pm-9:00pm
Tuesday	Lapidary	9:00am - 3:00pm
	Lapidary	6:00pm - 9:00pm
	HGMS Meetings	6:00pm 2ndTuesdays
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	6:00 4thThursdays
Friday	Lapidary	9:00am - 3:00 pm
Saturday	Metals	9:00am - 3:00pm 1st Saturday of the Month

2021 HUNTSVILLE GEM & MINERAL SOCIETY OFFICERS

President- Mike Harrison - william.m.harrison@boeing.com
 Vice President- Isabel Leon y Leon- isabel.leonyleon@gmail.com
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 Les Bartel - lester.bartel@gmail.com
 Shelley Curran - curranshelley1@gmail.com

2020 COMMITTEE CHAIRS

Membership: Bill Friday— 256-527-8227 bill.friday@earthlink.net 2508 Excalibur Dr. Huntsville AL 35803 Publicity: Bob Kemper bob_kemper@yahoo.com Webpage: Leslie Malakowsky, lmalakowsky@gmail.com Auction Chair: Shelley Curran curranshelley1@gmail.com Field Trips: Open Rocket City Jewelers: Leslie Malakowsky 256) 755-0479 lmalakowsky@gmail.com Hospitality: Vacant Mineral ID: Michael Soroczak soroczak@yahoo.com (William Holland offers a class for this)	Property: Michael Cape macape@knology.net Program Chair—Mike Harrison william.m.harrison@boeing.com Show Chair: Tony Smith, 256-603-3095. tsmith@erc-incorporated.com Show Vendor Chair: Lowell Zoller, 256-534-8803 Lzol@comcast.net Show Volunteer Chair: Theresa Chivers, 256-837-6819 wolfsong929@gmail.com , Show Publicity Chair - Tony Smith tsmith@erc-incorporated.com Show Treasurer: Clara Goode, 256-883-9194 clarag1964@gmail.com
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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



2021 CALENDAR

- 27 Apr '21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 25 May'21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 26 Jun '21 - Tentative date for Annual Picnic - details to be worked out
- 27 Jul '21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 24 Aug'21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 29 Sep'21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 8-10 Oct'21 - Fall Gem Jewelry & Mineral Show
Jaycees Building, 2180 Airport Rd, Huntsville AL
- 29 Sep'21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 8-10 Oct '21 - Fall Gem Jewelry & Mineral Show, Jaycees Bldg, 2180 Airport Rd, Huntsville AL
- 26 Oct '21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 27 Nov '21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm

Deadline for Next Newsletter
May 16, 2021

Dated Material
Do not Delay

April 2021

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