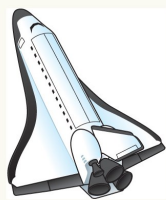


ROCKET CITY ROCKS & GEMS



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

Volume 53 No. 11

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

November 2021

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Show & Tell— November 23, 6:00

Finally we get to the third and last Show & Tell for the year, picking up R through Z, plus any who missed their slot earlier in February (A-H) and June (I-Q). Bring three favorite treasures from your collection - be they collected somewhere, home-made, or purchased. Tell us what they are, where you got them, and why they are special to you.



Web Page - www.huntsvillegms.org/



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Happy Turkey day to you in advance!

I hope this finds you well. As president of the HGMS, the board and I have a lot to do to close out this year. We have to come up with a slate of awesome officers for next year, close out the finances for this year and agree on a budget for next year! But we are up to the task!

And we will report to you soon all of the details! I especially urge you to attend this month's meeting on November 23rd to vote on that slate of officers! And if I don't see you before Thanksgiving Day, I wish you a safe day with family and friends!

Your president, Mike Harrison

2022 Dues are Coming Due

New Members and current Members - Still \$15 single/\$20 Family

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 Auction 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, annual auction, Fall Gem, Jewelry, & Mineral Show, Picnic, Christmas Dinner and Outreach.

Quite a bargain, don't you think?!!!



Pebble Pups Thursday January 27th, 6:30pm

The Pebble Pups activity will take November and December off. The December newsletter will include a year-long list of planned programs, all designed for kids ages 8 to 13, all hands-on, all educational, and most important all fun. All programs for the year will be on 4th Thursdays of the month.

Hope to see you then, bring your friends.

Bill Friday, 256-527-8227, bill.Friday@earthlink.net



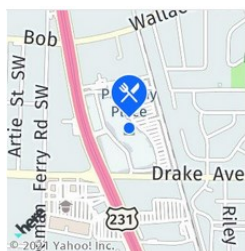
Christmas Dinner - Tuesday December 7th, 5:30

Carrabba's Italian Grill, Upper Floor Parkway Place, 2801 South Memorial Parkway, Huntsville AL GPS 34.7065783,-86.5873536

Use the ramp in the center of the parking garage. The restaurant opens to the deck and is nearest this ramp. No parking fee.

Bring an exchange gift if you like, marked for men or ladies as appropriate.

Check the menu: <https://online.flippingbook.com/view/846319112/6/>



Minutes of the 10/26/21 Regular HGMS Meeting

President Mike Harrison called the meeting to order at 6:30p.m. He recognized our visitors and first-time member attendees - Sophia Sobia (Doug Rickman's granddaughter), Michael McDowell, Bob & Carla Goble, Carol Wicks, Steve Gilder, Amy Kibbey, and Doug Blakeslee, who were invited to select a rock (provided by Mike Harrison and Doug Rickman) for attending tonight! We had 37 total in attendance.

Show Recap - Tony Smith thanked everyone who helped before, during, and after the show. The vendors stayed on schedule and all of them were happy. We had a total of 2,285 people in attendance! The Moon rock was a big attraction, and the food was good. The food vendor agreed to come back next year. Easy access to the building and free parking also helped boost attendance. The only complaint was that it took too long to get food (the food vendor was by herself on Sunday). There were 1 or 2 known instances of shoplifting but they were resolved. Shelley Curran reported that we had a total of 12 display cases at the show. Unfortunately, 2 glass display case doors got broken. Bill Friday will investigate if/how we can add new glass to the frames.

Twelve of our painted rocks were turned in for free admission to the show. There are quite a few rocks still out there, and folks can redeem them for \$5 off membership dues. One woman took her rocks back home to Ohio where she's planning to re-hide them! We love spreading the word about HGMS across the country!

Tony invited anyone with recommendations for next year's show to email him. Signage: We need better signage for the food vendor and possibly signage to reserve tables specifically for eating. Volunteer identification: A few volunteers wore new red aprons and a few wore their red vests from previous shows, but *all* volunteers need to wear red aprons/vests. Theresa announced that Judy is putting together a group order for new nametags to help identify us to the public. (Nametags with pinbacks are \$5.50, and nametags with magnets are \$8. Shipping for either type is \$2.)

Metalsmithing - Shelley announced that November is certification month - all Mondays and Thursdays throughout November (except Thanksgiving) will be for certification. The next regular class will be Thursday, December 2nd and Monday, December 6th. The project is Setting a Cabochon in a Bezel. Both sessions begin at 5p.m. Be sure you RSVP in advance; she can't guarantee a kit for you without a reservation.

Rocket City Jewelers (RCJ) - Leslie announced the last 3 classes of the year: Wednesday, November 3rd, Wire Rose and Bead Bracelet. You must bring 6, 6mm beads; Wednesday, November 17th, Cleopatra Chainmaille Bracelets. You must bring size 6/0 seed beads; December 1st, Tree of Life Pendant on a Cabochon. You must bring a 1" – 2.5" long cabochon no thicker than ¼". All 3 classes are from 6 – 9p.m. (No meeting on November 24th.) Theresa reminded folks to RSVP for the November 17th class by November 10th so Judy will have time to cut the rings for the kits.

Tinsel Trail Tree – Bob Kemper announced that he reserved a tree for us for this year's Tinsel Trail. He brought samples of the ornaments we already have. He asked volunteers to make additional ornaments to show folks what we're all about. Please bring your handcrafted ornaments to the next meeting at 6p.m. on Tuesday, November 23rd.

Pebble Pups - Bill introduced Karen Evan who may eventually become our new Pups leader! The next meeting will be at 6:30p.m., October 28th, in the RCJ room. The program will be all about magnetism.

Treasurer's Report - Clara reported that the show earned \$16,561.00 (gross) and the vendors made \$8,660.00. In 2019, the club made \$6,151.00 with 2700 people in attendance. But the final club amount for this year is TBD because she still has to pay taxes. We had 153 new families sign up this year!

Christmas Dinner - Mike announced that the Christmas dinner will be Tuesday, December 7th. Watch for and reply to email about the dinner so you can vote on the restaurant. There are 2 possibilities: Carrabba's in Parkway Place Mall in SE Huntsville, or Casa Blanca in North Madison. Or make a suggestion!

The business meeting was adjourned at 7:15p.m.

Tonight's program was presented by Dr. John Christy, Distinguished Professor of Atmospheric Science and Director of the Earth System Science Center at The University of Alabama in Huntsville. He discussed his development of a Global Temperature Data Set from Microwave Measurements observed from satellites beginning in 1979.

Please see the newsletter for more details about HGMS activities.

Submitted by Leslie Malakowsky



Rocket City Jewelers (RCJ) News

By Leslie Malakowsky

Everyone made at least 3 roses in the Wire Rose and Bead Bracelet class adding another technique to their wirework skills! If you didn't finish your bracelet, I encourage you to finish it on your own since we won't have another "Finish It" meeting this year. ●Remember to bring your own cabochon for the Tree of Life Pendant on December 1st. ●We traditionally end the year with a holiday dinner followed by a three-week break. This year, the dinner will be December 8th, and our first meeting of 2022 will be January 5th. Please RSVP for the dinner, if you haven't already. (See details below.) ●As you know, we're sharing our room with other activity groups and club meetings. Judy is working on her own time to enclose the area underneath the main workbench for additional RCJ storage. Thank you, Judy! ●We want to know what you'd like to make next year! Please check out our Pinterest page for project ideas and "pin" the ones you like. We also invite you to post your own ideas. ●Please remember our members who are fighting illness and coping with personal loss.

Upcoming Schedule:

Nov 17: 6p – 9p, Holiday Cleopatra Bracelets. Kit \$4. Kit includes enough *bronze* jump rings to make 2 bracelets. You need to bring your own 6/0 seed beads in the color(s) of your choice. For the bracelet with beads *on the sides*, bring 56 beads. For the bracelet with beads *down the center*, bring 36 beads. (If you don't have 6/0 seed beads, I'll have some on hand to share. Let me know the color(s) you want before the 17th so I can see if I have them.)

Nov 24: No meeting due to Thanksgiving on the 25th.



Dec 1: 6p – 9p, Tree of Life Pendant on a Cabochon. Cost: \$4 for *copper* wire. You need to bring your own round, oval, or irregular shape cab. Your stone should be between 1 inch and 2.5 inches long and no more than ¼ inch thick. (If you don't have a cab or cab-like stone, you can use a large bead instead.) Be sure to bring a Sharpie for marking wire.

Dec 8: 5p – 9p, Holiday Dinner at Theresa's home. Please bring a soup, side dish, or dessert to share with at least 8 people. Please tell us what you're bringing so we can coordinate the food. You're invited to participate in a "Dirty Santa" gift exchange (\$10 value)!



Meeting Times/Reservations: We meet from **6p – 9p on 1st and 3rd Wednesdays** and from **2p – 5p on 2nd and 4th Wednesdays**. Meeting times on 5th Wednesdays are TBD. 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.

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:

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

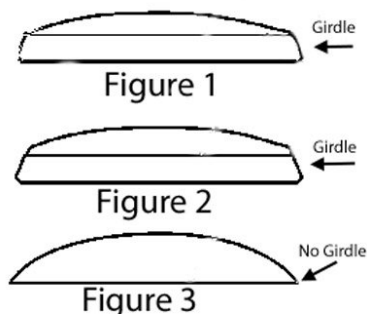
RCJ is open to **every member** of the HGMS. (Gentlemen, too!) If you love making jewelry, please join us! All skill levels are welcome! **Remember our core values:** to share what we know, learn new skills, and have fun! Please let us know what you are able to teach and what you'd like to learn. **Please post your ideas on our Pinterest page!**



December Class: Setting Cabochon

Class 1: Thursday, December 2

Class 2: Monday, December 6



We have had a number of new people certified in November. This class is meant to be a follow up project for those that have recently passed the certification class. You will be setting an oval cabochon or one that has no corners or points. The cab should have a nice even "girdle" like *Figure 1* or *2*. Cabs cut like *Figure 3* are difficult for beginners to set. You should bring the stone you want to set to class. We will provide all other supplies and tools. I will also have cabs available for sale if you do not have one.

The sign up sheet for this class will be available at the November HGMS meeting and during the Monday and Thursday classes. You also may sign up by sending email to HGMS@wildivystudio.com.

Important: this is a beginner class is for those who have recently certified only. Space will be at a premium since we will have certified 20 people this fall and summer and we have 10 seats per session. If needed we hope to have another class later in the month for those that were not able to come to the first 2 classes so be sure to put your name on the wait list so we can contact you when we have a date set. We have certified a lot of new people so be patient with us while we figure out the best way to make sure everyone eligible to take our classes has access to work days and classes.

Certification Classes: All the November Certification Class spots are filled. The next Classes will probably be in mid –February .Please send your name and contact information (name, email address, and phone number) to HGMS@wildivystudio.com to get on the list for the next Certifications We will contact you when we schedule the date.

Volunteer Positions *

Class Instructors:

Tools/Equipment Inventory
Store Manager
Kit Manager

Webpage & Social Media Management

Kathy Bowman
Shelley Curran
Annie Diekmann
Opening
Shelley Curran

Kathy Bowman

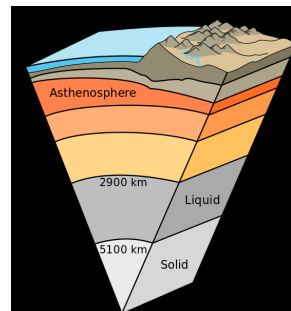


*Note: We are all volunteers so the schedule is subject to change.

GeoSciences Activity - Thursday November 18, 6:30, RCJ Room in the Education Center **Cosmic Distribution of Intact Biospheres**

Professor Richard B. Hoover began his NASA career in 1966 at the George C. Marshall Space Flight Center (MSFC) in Huntsville, Alabama working on Fraunhofer Diffraction and Scatter Fringe Interferometry. In 1997, Prof. Hoover initiated research on microfossils in ancient rocks and carbonaceous meteorites at NASA/MSFC and began a longstanding collaboration with Academician Alexei Yu. Rozanov, Director of the Paleontological Institute (RAS) Using State-of-the-Art Scanning Electron Microscopes at NASA/MSFC and the Paleontological Institute (RAS), they found well-preserved fossilized remains of cyanobacteria, acritarchs, diatoms and other microalgae in diverse carbonaceous meteorites. He pioneered the application of Energy Dispersive X-Ray Spectroscopy for measuring life-critical Bio-Element ratios (C/O; C/N; C/S and C/P) for distinguishing ancient indigenous biological from modern bio-contaminants.

Dr. Hoover will describe a mechanism operating in the Earth's crust where biological action is supported by the creation of water from the serpentinization of deep rocks. This curious activity by very exotic bacteria is present in other places on Earth and in Deep Space, including the Moons of our other planets, and far beyond. Fascinating science. You can read the paper below describing the research that led to this finding.



Microfossils in Carbonaceous Meteorites: Implications to the Cosmic Distribution of Intact Biospheres Prof. Richard B. Hoover

Carbonaceous meteorites are messengers from space. The Orgueil (CI1-France, 1864) and Murchison (CM2-Australia, 1969) contain high percentages of extraterrestrial water (3–20%) and carbon (2–5 %), mainly in the form of an insoluble organic matter (IOM) chemically similar to terrestrial kerogen. Early reports [1] of the detection of amino acids and possible microfossils in the Orgueil meteorite were dismissed as the result of pollen and other terrestrial bio-contaminants and the search for evidence for microfossils in meteorites was abandoned. Possible nanofossils were found in ALH84001. In 1997, Scanning Electron Microscopy studies carried out by Hoover at NASA/MSFC [2] in the US and by Rozanov in Russia at the Borissiak Paleontological Institute (RAS) [3] resulted in the independent discovery of recognizable filamentous cyanobacteria in freshly fractured surfaces of the Murchison CM2 meteorite. SEM studies carried out during the ensuing decades detected well-preserved remains of diatoms, cyanobacteria and a great diversity of other prokaryotic and eukaryotic microorganisms in Orgueil and other carbonaceous meteorites [4–6]. Investigations of carbonaceous meteorites with modern instruments reveal 10 of the 20 proteinogenic amino acids and 3 (Guanine, Adenine, Uracil) of 5 nucleobases essential for all life. Sensitive PCR studies show DNA is absent in the meteorites proving they are not contaminated by post-arrival terrestrial microorganisms [7]. Carbon isotope studies found the Murchison nucleobases to be indigenous, extraterrestrial and indicative of a cometary parent body [8]. Galimov [9] found that extraterrestrial carbon isotopes in the Murchison proteinogenic amino acids had biological fractionation analogous to terrestrial microalgae. The mineralogy of the Orgueil stones shows extensive aqueous alteration on the parent body. The minerals and element analysis by NAA reveal long-lived Heat Producing elements and serpentinization exothermic processes. These mechanisms allow heating of planets, planetesimals and comets independent of impacts or tidal phenomena from nearby gas giants, thereby allowing subcrustal oceans to exist beneath the icy crusts of rogue planets, moons and exo-comets for billions of years. This novel hypothesis for the interstellar or intergalactic transfer of biospheres will be presented.

The Polonnaruwa/Aralaganwila meteorites were observed to fall on 12/29/2012 and their oxygen isotopes are far away from the terrestrial fraction line, proving they are not from the Moon or Earth. These stones contain an astonishing diversity of well-preserved diatoms and exotic microbiota. The presence of Wadsleyite and Maskelynite (high pressure polymorphs of plagioclase) along with fractured zircons, Ilmenite and Olivine indicate pressures ~20–30 GPa. NAA studies found these low density (0.8), high porosity (70–90%) stones had very high content of the Heat Producing Elements ^{40}K , ^{238}U and ^{232}Th [10]. These meteorites are very similar in density and porosity to the dark, low-density weak boulders (~Gargoyles Saxum) just discovered on asteroid (101955) Bennu by OSIRIS REX. Rozitis et al. [11] concluded “*The weaker boulder type probably would not survive atmospheric entry and thus may not be represented in the meteorite collection.*” Our calculations [12] along with the existence of the Polonnaruwa/Aralaganwila meteorites indicate these fragile bodies could survive transit through the Earth’s atmosphere. Recently discovered diatoms and unknown life forms in meteorites will be shown and implications to distribution of Biospheres throughout the Universe discussed.

References:

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- [5] Hoover, R. B. et al. (2018) Diatoms in the Orgueil Meteorite. *Paleontological Journal*, 52, 1647–1650.
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- [8] Ehrenfreund P. et al., (2001) Extraterrestrial amino acids in Orgueil and Ivuna: Tracing the parent body of CI type carbonaceous chondrites. *PNAS*, 2001. V. 98. 2138–2141.
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- [10] Hoover, R.B., Frontasyeva, M.A. and Pavlov, S. Epithermal Neutron Activation Analysis of Carbonaceous Chondrites and the Polonnaruwa/Aralaganwila Stone. *Aspects Min Miner Sci.* 6(1). AMMS. 000626. 2020. DOI: 10.31031/AMMS.2020.06.000626

Professor Richard B. Hoover began his NASA career in 1966 at the George C. Marshall Space Flight Center (MSFC) in Huntsville, Alabama working on Fraunhofer Diffraction and Scatter Fringe Interferometry. He established the Astrobiology program at NASA/MSFC and led scientific expeditions to many of the most hostile environments on Earth. He conducted collaborative Astrobiology research on microbial life in Deep Vostok Ice Cores with Dr. Sabit Abyzov (INMI-RAS) and ancient permafrost with Dr. David Gilichinsky of the Laboratory for Soil Science and Photosynthesis in Pushchino. This research resulted in the discovery and valid publication of 1 new Family; 6 new Genera and 15 new species of extremophile bacteria and archaea previously unknown to Science. For scientific expeditions to Antarctica, Siberia, Alaska, Iceland, South Africa and Patagonia and his discovery of new forms of life, he was elected *Fellow National* of the *Explorers Club* in 2001.

In 1997, Prof. Hoover initiated research on microfossils in ancient rocks and carbonaceous meteorites at NASA/MSFC and began a longstanding collaboration with Academician Alexei Yu. Rozanov, Director of the Paleontological Institute (RAS) Using State-of-the-Art Scanning Electron Microscopes at NASA/MSFC and the Paleontological Institute (RAS), they well-preserved fossilized remains of cyanobacteria, acritarchs, diatoms and other microalgae in diverse carbonaceous meteorites. He pioneered the application of Energy Dispersive X-Ray Spectroscopy for measuring life-critical Bio-Element ratios (C/O; C/N; C/S and C/P) for distinguishing ancient indigenous biological from modern bio-contaminants. Prof. Hoover continues this research on microfossils with Academician Rozanov and colleagues at the *Astrobiology Sector, LRB, JINR* in Dubna, Russia. Their Volume: *ATLAS OF MICROFOSSILS: The Orgueil Meteorite* was published in January, 2021. He continues this research at PIN and LRB/JINR as well as investigations of the element composition of diverse meteorites and terrestrial and lunar rocks by Neutron Activation Analysis (NAA) methods in collaboration with Dr. Marina Frontasyeva at JINR.

Prof. Dr. Richard Brice Hoover was awarded the Prestigious Title: *Doctor Honoris Causa of the Russian Academy of Sciences* in a Ceremony at the Presidium of the Russian Academy of Sciences on October 21, 2021.

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



MARKING YOUR TOOLS

It makes sense to mark your tools if you ever lend them to friends or take them out to classes or workshops. Question is how to mark them permanently. For metal tools, I use a very small ball bur running fast in the Dremel or Foredom to "engrave" my initials. Other times I'll form the initials with a number of hits with a center punch.

But for hammer handles and other wooden tools, the country boy in me came back and thought "Why not make a branding iron?" If you'd like to try one, all you need is a little scrap copper or nickel about 22-24 gauge, a piece of heavy brass or copper for a base, about 6 inches of metal rod and a piece of wood for the handle.

I formed my initials from a couple 4mm strips of sheet nickel. The "S" was one piece, but the "B" was three pieces soldered together with hard. (Remember to form the letters backwards). I then soldered the letters with medium onto a piece of 1/8 inch thick brass bar to act as a heat sink. Finally, I soldered a piece of 1/8 round rod on the back of the brass bar as a shaft to join to a wooden handle.



NO SCRATCH VISE JAWS

If your bench vise has replaceable jaws, there is a simple modification to customize it for bending sheet metal and holding jewelry pieces without worrying about the jaws leaving scratch marks.

I make a duplicate set of jaws from high density plastic such as Nylon or Delrin. Remove the jaws and use them as a template. Cut two pieces from a 1/2 inch sheet of scrap plastic. Then clamp the steel jaw over the plastic and drill through the steel side and into the plastic. Finally, use a larger drill to countersink the plastic for the screw heads.

Plastic can be obtained from the scrap bin at a local plastics store, can be purchased online from Ebay, or can be repurposed from an old kitchen cutting board.



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.

Mineral of the Month – Gastroliths - By Leslie A. Malakowsky

Gastroliths, also called “stomach stones” or “gizzard stones”, are rocks that play a role in some animals’ digestive systems. The word “gastrolith” comes from the Greek words *gastēr*, meaning “stomach”, and “lithos”, meaning “stone”.

Animals who lack suitable teeth for grinding food hold gastroliths in their gastrointestinal tracts. The stones grind food due to the gizzard’s muscular movement.

Some animals ingest vegetation with smooth stones attached to it. These gastroliths pass through the animal when digestion is complete and are replaced next time the animal eats. The size and shape of the stones depends on the size of the animal and the stones’ role in the animal’s digestive system. Gastroliths ranging in size from sand grains to cobble stones have been found. Dinosaur gastroliths can weigh up to several pounds! Paleontologists think that fossil gastroliths from large dinosaurs are rounded and polished because these stones spent more time in the dinosaurs’ digestive tracts (as opposed to small, irregular, unpolished stones found in small living birds).

In living vertebrates, gastroliths are common in crocodiles, alligators, herbivorous birds, seals and sea lions, and in amphibians such as axolotls. Scientists have also observed that some frog tadpoles ingest silt and gravel not for digestion but to improve buoyancy!

In the fossil record, animals such as sauropod dinosaurs appear to have used stones to grind tough plant matter. For example, an Early Cretaceous theropod called *Caudipteryx zoui* was found in Northeastern China with small stones near its abdomen. Paleontologists think that aquatic dinosaurs such as plesiosaurs may have used stones as ballast, to balance themselves or to control their buoyancy as do some living animals.

In 1906, George Weiland was the first to discover worn and polished quartz pebbles in plesiosaur and sauropod dinosaurs and to interpret these pebbles as gastroliths. Over the years, there have been many such interpretations, but some paleontologists are skeptical of these early claims. New methods of identifying gastroliths are being developed, particularly for stones found at a distance from fossil remains. If paleontologists can verify these stones as gastroliths, they might be able to trace them back to the original areas where dinosaurs swallowed them, which could provide new information on dinosaur migration patterns and behaviors.

Fortunately, our teeth are highly suited for chewing food so we don’t need to eat stones. Can you imagine Thanksgiving dinner with gastroliths? Pass the stones, please! Happy Thanksgiving!

References: [wikipedia.org](https://en.wikipedia.org)



Psittacosaurus fossil with gastroliths in its stomach region, American Museum of Natural History

Big Spring Park Christmas Tinsel Tree

This is the Tinsel Tree we decorated last year. Most of the ornaments were made by members of the HGMS. It was located at a strategically excellent spot so that it was hard to miss and thus seen and complimented on by many visitors to the display.

Bob Kemper has again reserved a place for a tree this year, and members are invited to make new ornaments for its adornment. Bob will be collecting the contributions during the November meeting on Nov 23rd.



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



November Birthdays

1 Marty Martinez	9 David Fikes
2 Daniel Hessler	24 Frank Curran
3 Nanette Schwartz	27 Betty Olson
3 Chris Stewart	27 Sheila Cape
4 Carol McBroom	28 Jace Siggers
6 Sherrie Bonin	28 Chris Smith
7 Amelia Walley	30 Mary Jean Brost Travis

Anniversaries

10 Woody & Lea Chamberlain
 12 Bob & Ruth Kemper
 14 Joey & Cindy Bonds
 15 Beth Snee
 22 Bill & Maureen Lokken
 26 Jerry & Judy Osmundson



November
Topaz

December Birthdays

1 Tammy McGuire	13 Randy Kent
1 Judy Osmundson	14 Shelley Curran
1 James Yack	16 Jason Moore
3 Wafa Orman	19 Karen Allen
3 Seth Walley	21 Maya Moore
4 Florence Mims	22 Jersey Sitko
6 Lynn Peete	23 David Wyatt
6 Becky Rollston	26 Bob Kemper
9 Erika Walley	26 Owuh Onyedika
10 Ronald Woosley	27 Pat Hallisey
12 Kathy Bowman	31 Hayley Nedbalski

Anniversaries

26 Hayley Nedbalski & Avery Crawford



December
Zircon

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
Tuesday	Lapidary	daytime hours closed until January
	Lapidary	6:00pm - 9:00pm
	HGMS Meetings	6:00pm 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	Metals	9:00am - 3:00pm irregular 1st Saturday of the Month

2021 HUNTSVILLE GEM & MINERAL SOCIETY OFFICERS

President- Mike Harrison - campcraft.mike@gmail.com

Vice President- Isabel Leon y Leon- isabel.leonyleon@gmail.com

Recording Secretary: Leslie Malakowsky lmalakowsky@gmail.com

Treasurer: Clara Goode, 256-883-9194 - claragoode1@comcast.net

Newsletter Editor: Bill Friday - 256-527-8227 - bill.friday@earthlink.net

Directors at Large:

Gene Powers - genepowersgddm@gmail.com

Les Bartel - lester.bartel@gmail.com

Shelley Curran - curranshelley1@gmail.com

2021 COMMITTEE CHAIRS

Property: Michael Cape

macape@knology.net

Program Chair—Mike Harrison

campcraft.mike@gmail.com

Publicity: Bob Kemper

bob_kemper@yahoo.com

Webpage: Leslie Malakowsky,

lmalakowsky@gmail.com

Auction Chair: Shelley Curran

curranshelley1@gmail.com

Membership: Bill Friday— 256-527-8227

2508 Excalibur Dr. Huntsville AL 35803

bill.Friday@earthlink.net |

Field Trips: Open

Rocket City Jewelers: Leslie Malakowsky
256-970-8286

Hospitality: Caryl Nixon caryl.nixon@outlook.com

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

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



2021-22 CALENDAR

- 23 Nov '21 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 7 Dec '21 - HGMS Christmas Dinner - Carrabba's Parkway Place 6:00pm
gift exchange optional
- 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 - Tentative date for Spring Rock Auction Fundraiser, HGMS Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm
- 22 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) - Tentative Date - Annual Picnic and Rock Swap
- Monte Sano State Park,
- 26 Jul '22 - Regular HGMS Meeting, Huntsville Gem & Mineral Education Center
7901 Bailey Cove Rd SE, Huntsville, AL 6:00pm



Happy
Thanksgiving

Deadline for Next Newsletter
December 18, 2021

**Dated material
Do not delay**

November 2021

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