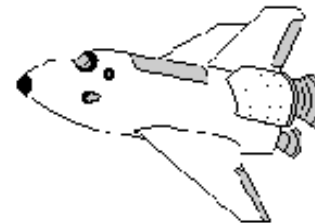
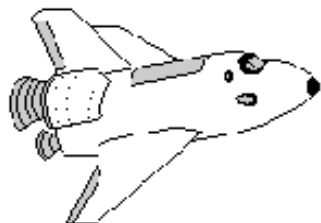


ROCKET CITY ROCKS & GEMS



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

Volume 48 No. 10

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

October 2016

INSIDE THIS ISSUE

Fall Show Reports.....	2-4
Jewelry Corner	5
Metalsmithing Corner.....	5
Southeast Federation Mtg	6
Pebble Pups	7
Brad's Bench Tips	8
DMC Field Trip.....	9
Feature Articles.....	10-11
Oct/Nov Birthdays	12
& Anniversaries	
Lapidary Lab Schedule	12
2016 Officers & Committee	
Chairmen	13
Calendar.....	14

October 25 Program

Dr. Brian Thompson, Professor of Physics at University of North Alabama (UNA).

Several varieties of gemstones exhibit optical properties arising from light reflections occurring inside the stone, including: *play of color* seen in opals and the similar *labrador-escence* seen in feldspars such as spectrolite and rainbow moonstone, *chatoyancy* commonly called "cat's eye" in many species, *asterism* that is the star in star sapphires, and *adularescence* that produces a floating blue cloud in moonstone.



Visit us at www.huntsvillegms.org/ and www.facebook.com/HuntsvilleGMS



Huntsville Gem & Mineral Society (HGMS) 2016. Reprinting Rights are granted for all material (except for minutes of the meeting and copyrighted articles) to any organization officially affiliated with the American Federation of Mineralogical Societies (AFMS) or Southeastern Federation of Mineralogical Societies (SFMS), provided credit is given to the author, the original publication, and this newsletter

Thanks to All Those Who Helped with the Show!

Another Show is over, and it went well from all I've heard. I'd like to thank all those who came and helped in any way, giving your time and energy to help the Club in this project. And I'd like to thank those who accepted the responsibility of being Chairmen, spending many hours planning, organizing, and working for the Show so that it would go smoothly. I hope everyone is resting and recuperating well. Our Club members can be proud of the Show we hold every year and the reputation it has earned in the region. My thanks again to all of you. --Lori Willhoite

After-the-Show Musings from Membership Chairman Bill Friday

During my baptism in fire as the new Membership Chairman during the Fall Show, my experience was both exhilarating and challenging. I'd double booked myself at several times on Saturday for delivering Fossil and Meteorite programs for kids, plus teaching a Geology Merit Badge session on Sunday, and so I'm deeply grateful to the several folks who kindly covered for me during my absences. Lori Willhoite, last year's Membership Chairman was behind me with gentle coaching and reminders of my upcoming needs to be elsewhere. Meeting the 26 new families who joined and 9 families who renewed their memberships, from all over North Alabama and Tennessee, was a great experience, even when it got quite hectic at times, again needing some assistance from gracious co-workers to handle the paperwork overload. By now, all of the information for the 80+ members of all the families has been entered into my Membership Database, in time for inclusion in this October issue of the newsletter. For a few of those new folks, before I got the hang of it, the membership cards I issued show 2016 instead of 2017 as they should. Please make the correction. Each of you gets the months through the end of this year as a bonus ahead of all next year's membership privileges. As the year progresses, some of you will notice that birthdays might be swapped around

October Meeting Program

Several varieties of gemstones exhibit optical properties arising from light reflections occurring inside the stone, including: *play of color* seen in opals and the similar *labradorescence* seen in feldspars such as spectrolite and rainbow moonstone, *chatoyancy* commonly called "cat's eye" in many species, *asterism* that is the star in star sapphires, and *adularescence* that produces a floating blue cloud in moonstone. Static photography of these optical properties, generally referred to as *sheen*, presents a problem since the sheen effects change both with perspective and with lighting directions. The photo image cannot reproduce the changing nature of the sheen exhibited by a gemstone in hand.

Holography offers another imaging method that may be able to capture the changeable nature of sheen seen in gemstone. Over the past year, we have built and improved a setup that currently uses three laser colors (red, green, and blue) to create reflection holograms of gemstones. Last spring we were successful in creating a three-color holograms of an opal; to quote an industry expert "it looks as if you can reach through and touch it."

In this talk I will describe the holographic process, review the opal imaging success, describe the acquisition of other specimens for holography, and provide updates on our current efforts to create holograms from these specimens.

Biography - Dr. D. Brian Thompson is Professor of Physics at the University of North Alabama (UNA). He was awarded a Ph.D. in physics from the University of Kentucky in 1994. He spent five years working at synchrotron facilities in England, Italy, and the US, performing synchrotron (x ray) light studies on atoms and small molecules. Joining the UNA Department of Physics and Earth Science in 1999, he began a research program in laser optics. Surrounded by mineral specimens in the department, his attitude toward them has been "if it is transparent, let's shine laser light through it and see what happens." He has published an article on laser-excited photoluminescence in emeralds in the *Journal of Gemmology* (2014); a follow-up article is currently under review at the GIA journal *Gems & Gemology*.

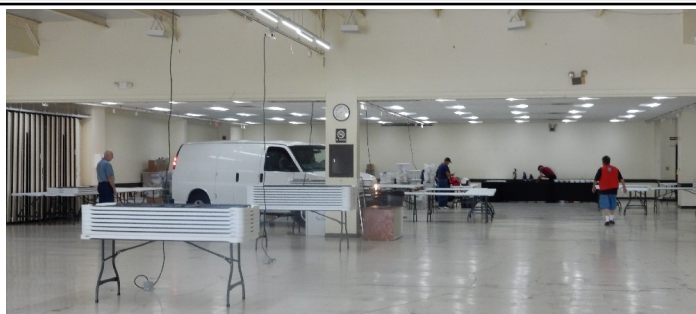
Hospitality Notes 10-10-16

Wow! What a great show! What a great crowd! What great weather! Before we could have a show, however, we had people scurrying around, getting the Jaycees' Building ready for occupancy, marking the floors on Wednesday for the vendors' booths, preparing display cases, flume and gem dig material and equipment, etc. Some dedicated members have worked for weeks & months preparing for the event. Then on Thursday, we had the big move-in day. I want to send a shout-out to all the vendors and the volunteers who made it all a success. I especially want to thank my Hospitality Committee members who assisted with the setup dinner on Thursday evening: Brian Burgess, Laura Carroll, Thelia DeMoor, Brooks Glover, Devona Hawkins, Clara Goode, and Deb Neis. Thanks also to all the people who pitched in to set up the tables, and to the passers-by who joined the fray in fetching food from the kitchen and setting up the drink service, plus cleaning up afterwards. I can't name them all because I know I'll leave out someone. Clara Goode got the chicken from Publix and I picked up the pulled pork and the brisket from New Market BarBQ. We had delicious donations of breads, salads, beans, corn, chili, devilled eggs, and a luscious array of desserts, thanks to our generous members. Since we commandeered Dianna O'Dell's space and tables for the setup dinner, she had to stay late to set up her booth, so we owe her a special debt of appreciation. Thelia DeMoor added an extra-special touch by taking a drink cart through the show in order to provide refreshments to our vendors and volunteers, free of charge. Show attendees asking to buy drinks off her cart, she directed to the snack bar. When next year's show rolls around, remember that we feed our volunteers very well! Thanks again, everyone, and I hope you enjoyed a well-deserved rest! See you there again next year!

Caryl Nixon, Hospitality Chair caryl.nixon@outlook.com



Assembling Display Cases



Filling the Hall the Day Before

It takes a LOT of work to get ready for the Fall Show. It starts months ahead with the securing of the Jaycees Building, arranging security, lining up

dealers, recruiting volunteers, printing signs, advertising, publicity on social media, and food service is arranged. The week of the Show, the floor of the big room is marked for dealer and activity locations. The Show materials are retrieved from the storage vault and moved to the Show site. The gem dig and flume trailers are moved close by. The day before the Show signs are placed on approach roads, dealers are moved in sequentially from the far end to the closest end to the roll-up door. The fluorescent room is assembled, Club display boxes assembled, placed, and stocked. The information booth is arranged and stocked. Door prizes and silent auction items are procured and sorted. Ticket booth is set up, with change acquired from the bank.



Open for Business



Children's Program



Jewelry Demonstrations



Busy Shoppers

The Show opens with long lines already at the door. Dealers are immediately busy with shoppers and sales. Demonstration and kids' activities begin. Food service is available all day for shoppers, dealers, and members. Crews managing the different areas work in shifts, making arrangements to cover those who are late or at last minute can't attend. Door prizes are announced and awarded. New members fill out applications. Chaos reigns for three days. Then it is over—5:00 pm on Sunday. Shoppers leave and the take-down begins. Dealers pack and start leaving. Activities and demonstrations are loaded into trailers and the big lift gate truck. By 8:00, the hall is nearly empty except for the few slow dealers. Tables and chairs are stacked out of the way. Accounting takes a few days to complete. We sigh with relief and look forward to next year.



Gem Dig



Mining Flume





Jewelry Activity Corner

By Mindy Schell

We are reorganizing the jewelry activity classes under the metal smithing/silver group. Due to the upcoming holidays, we will regroup in January to plan for 2017 classes in the Spring.

We are looking for someone to be the Senior Instructor /Team Leader(s) for these Jewelry Activity Classes. If you are interested, please contact Mindy Schell at mindy.schell@yahoo.com. Thank you.

We had our last class in Viking Knit in September by David Hosmer. We had a good number of students and fun was had by all making beautiful Viking knit copper beaded bracelets. A big thank you to David for the wonderful instruction.

The Paint Room at the Senior Center will still be open on Tuesdays and Thursdays from 6:00 p.m. – 9:00 p.m. for freeform jewelry activities and private jewelry classes made available by HGMS members.



Metal-Smithing/Silver Group

By Mindy Schell

A number of Metal-smithing/Silver Certifications have been awarded to those that have finished their copper pendant. For those that have finished the safety class and pendant class, please show the pendant to the Senior Instructor to make sure you are awarded the certification. The last certification classes will take place on the 2nd and 3rd of November for the remaining folks that have signed up. The next certification

lottery will occur in January 2017. Smithing/Silver Certifications for HGMS Members only.

An Advanced Group of Metal-Smithers/ Silver Artists has been organized. Our next meeting is on the first Tuesday of next month, November 1st. More to come.

HGMS Certified Metal-smithers/Silver Artists meet on Thursday nights from 6 p.m. – 9 p.m. at the Senior Center Lapidary Room.

Volunteer Positions

Program Manager ...	Mindy Schell
Metalsmithing Lead Instructor...	Kathy Bowman
Metalsmithing Project Instructors...	Shelley Curran & Opening
Safety Instructors	Mindy Schell & Opening
Toolbox Sign-outs	Opening
Inventory Manager	Opening
Kit Manager	Shelley Curran

HGMS Members—For your information

Officers of the **Southeast Federation of Mineralogical Societies** have often asked HGMS members at various events why none of us ever attend meetings of our major umbrella organization. Often the answer is that it is much too far away. More often we don't get the information about dates and locations. The upcoming meeting is in Marietta GA, not so distant. If you are interested or just curious about this other world of Rock-hounding goings-on, you might plan to attend.

The Cobb County Gem & Mineral Society is proud to sponsor the SFMS Annual Meeting at the Hilton Marietta Hotel & Conference Center, 500 Powder Springs Street SW Marietta, GA Reservation Information

1. Reservations **MUST BE** placed by October 19, 2016 to preserve the rate. 10 rooms have been reserved for Friday and Saturday nights. Additional rooms will be on an as-available basis, but at the same rate, if made by October 19, 2016.

2. The room rate is \$99/night+tax November 18, 2016 - November 20, 2016. The above confirmed group rates are applicable three (3) days before to three (3) days after the official meeting dates, subject to availability. Both King and Double rooms are available and all will have complimentary Wi-Fi.

You are responsible for your own hotel reservations. Reservations can be made by calling the Hotel directly at 888-685-2500 or going to the registration site here:

http://www.hilton.com/en/hi/groups/personalized/A/ATLMAHF-SFMSC20161118/index.jhtml?WT.mc_id=POG. Individuals must identify themselves as being with the group, **Southeast**

Federation of Mineralogical Societies, at the time the reservation is made in order to receive the special group rate. A \$50.00 deposit is required upon check-in for incidental charges. This may either be paid in cash or an authorization will be placed on the individual's credit/debit card. Payment of charges is due and payable upon check-out. Allow 3-5 business days for funds held on a credit/debit card to be released.

Weekend Schedule

1. **Friday** evening Cracker Barrel 7:00 to 9:00 at the CCGMS Clubhouse located at 516 West Atlanta St., Marietta, GA 30060, **GPS 33°56'32.8" E. 84°32'45.9"W**

2. **Saturday** morning Business Meeting 9:00 to 12:00 in the Breakout Room J.

3. **Saturday** evening Banquet 6:30 to 9:00 in the Breakout room J.

The cost of the banquet is \$25.00 for each attendee. The hotel requires we provide the specific number of banquet attendees, and their meal selections identified, 30 days before the banquet. Please send in banquet RSVP before October 16th. The selections attendees can choose from are chicken, fish, or vegetarian. The dinner banquet is full service sit-down and includes salad, rolls, dinner entrée, drinks, and dessert.

4. **Sunday** Breakfast Editor's Awards meeting 8:00 to 11:00 in the Breakout Room J. Attendees may purchase breakfast in the adjacent restaurant and bring to the meeting room that will be set up with breakfast tables.

Possible tour at Tellus Museum in Cartersville GA following the meeting.

Location directions

From the North: Take I-75 South. Turn right at Exit #265. N. Marietta Pkwy, which turns into Powder Springs St Travel 3.5 miles. Hotel entrance on the right.
GPS - 33°56'33"N, 84°33'07"W



Pebble Pups - Where Do Minerals Come From

Thursday Nov 17th 6:00 to 7:00pm - Space & Rocket Center



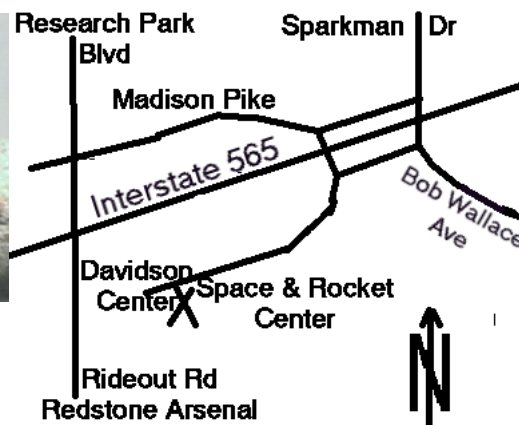
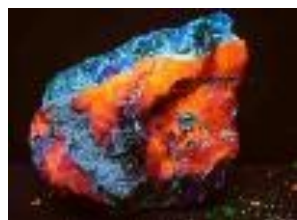
Please RSVP to Brian, 256-746-0641,
bburgess771@gmail.com,

November 17— **Brian Burgess will help explain** "Where do Minerals Come From?"

December—taking the busy month of December off

January— The Miracle of Oil — How & When it Formed, Where, Mining it, What it is Used for?

Kids ages 8 through 13 are invited to join this Junior Rock Enthusiasts Group. All participating families must have Family-Member status (the \$20 rate) in the HGMS and an adult family member must be present during the meeting. Pups family membership is an additional \$10/year. **We are now meeting at the Space & Rocket Center. Enter the Davidson Bldg (lower door closest to the Saturn 5 standing rocket)** Thanks



New Members

Pat & Marlene Allen

Tracy Ayres

Will Bryan

John Burford

Nancy Burrows

Elena Clark

Laura Carroll

Lola & Ryan Flippo

Angie & Bill Gilchrist

Eli

Charlotte

Joyce Glover

Tiffany

Kaileigh

Ryleigh

Shara

Kelly & David Gulliver

Colton

Austin

Taylor

Linda Haynes

Sarah & Joe Herman

Jackson

Sophia

Leigh Ann & Preston Hurst

Randy Kilgore

Robyn & Michael McCoy

Ken McCormick

John McCullough

Haley Middleton

Lynn Peete

Steven & Julia Priest

James Raines & Susan Horway

Hunter

Elizabeth

Aundrea

Ralph & Jeanne Reed

Mark Robinson

Samantha & James Steele

Jim & Kathy Straub

Karen & Gary Thompson

Sarah

Mary Lauren

Monica Vosper

Lisa & Ed Watts

Donia Zavala & Rose Smith

Renewing Members

Don & Marie Aldridge

Theresa Chivers

Bill Friday

Clara & Mike Goode

Larry & Bonnie Tanner

Pat & Linda McKinney

Yamile Nuckels

Wes & Cincy Wells

James & Annette Whitehead

Brad's Bench Tips

"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon www.BradSmithJewelry.com

Recommended as a good buy and good reading for all who like to have better lapidary skills.
S.S. <http://www.goodreads.com/author/show/>

See all Brad's jewelry books at Amazon.com/author/BradfordSmith



REMOVING SOLDER FROM A BEZEL

Sometimes when you solder a bezel to a base plate, you end up with excess solder that needs to be removed before setting the stone. My choice of tool for this is called an "Inverse Cone" bur used in a rotary tool or flexshaft. It cuts on both the bottom and the side and is shaped so that there's less chance of cutting into the bezel wall than if you used the more common cylinder bur shape. I find the 2 mm size useful for almost any bezel.

TESTING FOR SILVER

Often you need to identify some of those unknown "silvery" pieces in the bottom of the toolbox or some piece of old jewelry. Is it silver or something else?

Of course, if you need to know exactly what you have, it's best to send your metals off for refining. But inexpensive silver testing solutions can be used to help distinguish higher silver content alloys from alloys that have the same appearance but with little to no silver content, like German Silver or Nickel.

I purchased a half-ounce bottle of JSP Silver Testing Solution #GT41.

It's not a rigorous analytic test, but it lets you know if you're on the right track. And it's inexpensive. Mine was only \$3.

With a fresh solution you have an instant reaction after applying it to the metal being tested. The procedure is simple - as you apply a small drop, look for a color change. Note that the acid will leave a slight mark, so choose a spot that is out of the way or will be easy to polish.

If you suspect the object is silver plated, you should file a little notch somewhere inconspicuous to expose what metal is below the surface.

Otherwise, all you test will be the surface plating.

Here's the reaction I got when testing various materials:

Fine silver	Red/Orange
Sterling silver	Brick Red
80% silver 20% copper	Dark red changing to gray
Brass	Yellow changing to blue
Nickel	Gray-green
Copper	Yellow changing to blue
Steel	Black
Stainless Steel	No color change

Caution - If you do any of this testing, know that you are handling a reasonably strong acid. The GT41 label says it includes nitric acid and potassium dichromate.

Wear safety glasses.

Do not get any testing solution on your skin.

Use a solution of baking soda and water to neutralize acid.

Wash and clean up well when you're done.



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 Aiken Gem, Mineral, and Fossil Society (Aiken, SC) (HOST)

An Official Field Trip of the Huntsville Gem & Mineral Society

Saturday, November 19, 2016

Diamond Hill Mine, 100 Diamond Hill Road, Antreville, SC

8:00 AM Eastern (9 AM Central) to Dusk

Fee: \$15 per person regardless of age

1. **COLLECTING:** You can find smoky quartz, amethyst, skeletal quartz, milky quartz, clear quartz, garnets, aquamarine, drusy quartz, mica, & epidote

BRING: Clothing appropriate to the weather (note: if there have been recent rains, the area will be very muddy, so boots will be very helpful), a potato rake, a bucket, safety glasses, a rock hammer and chisel, gloves, small bags for delicate specimens like mica, and paper for wrapping your finds.

FACILITIES: There are 2 portapotties on site. No food or drink is sold on site, so bring drinks and snacks – the Aiken Club will have limited supplies of water and snacks available. You will be able to leave the site for lunch and return if you like. The nearest towns with restaurants are Iva, SC (10 miles away) and Abbeville, SC (16 miles away).

DIRECTIONS AND WHERE TO MEET: We will be meeting at 8:00 am Eastern time

Diamond Hill Mine, 100 Diamond Mine Road, Antreville, SC

Get off I-85 Exit 19A onto US-76 S (Clemson Blvd) toward Anderson

After 1.5 miles, Turn right off onto SC 28B

Follow SC 28 around Anderson

Stay on it ~25 miles until you get to Emanuel Baptist Church (on right)

Turn right onto Hwy 284.

Travel 2.3 miles to old house on the right, Turn right onto Suber Rd., **GPS 34°15'37", 82°34'56"**

Travel 0.7 miles and turn right onto Diamond Mine Road, mine entrance on your right

CONTACT:

John Kolmar (lkolmar@gmail.com)

Home Phone: 803-642-3767,

Cell (day of trip only): 803-640-2456



Mineral of the Month – Coffinite

By Leslie A. Malakowsky

Really? Yes! Coffinite is a valid mineral that was recognized before the IMA (International Mineral Association) was established in 1959. (Most of the common minerals we know today are in this category.) It is a fine-grained uranium-bearing silicate mineral with the chemical formula $U(SiO_4)_{1-x}(OH)_{4x}$. It was first described in 1954 for an occurrence in the La Sal No. 2 Mine, Beaver Mesa, Mesa County, Colorado.

Coffinite has a widespread global occurrence in Colorado Plateau-type black unoxidized uranium ore deposits of uranium and vanadium replacing organic material in sandstone and in hydrothermal veins. It is associated with uraninite, thorite, pyrite, marcasite, roscoelite, clay minerals, and amorphous organic matter. Sedimentary deposits contain the most radioactive samples (coffinite in the Colorado Plateau is intensely radioactive). Scientists have concluded that coffinite forms in high temperature environments.

In the United States, coffinite is also found in Temple Mountain, San Rafael District, Emery County, Utah and in the Ambrosia Lake area of Grants District, McKinley County, New Mexico. Internationally, it is found in Switzerland, Australia, and China (in China, it can be found in granite in addition to sandstone).

Coffinite is a member of the neosilicate group of silicates. It occurs as black incrustations and shows anisotropic transmission of light on pale- or dark-brown edges in thin section. Additional physical characteristics include: crystal system: tetragonal; streak: grayish black; luster: adamantine to subadamantine; tenacity: brittle; fracture: irregular/uneven, sub-conchoidal; hardness: 5 – 6 (between apatite and orthoclase); density: 5.1 g/cm^3 ; transparency: subtranslucent to opaque.

While coffinite may be the ideal mineral for the month in which Halloween and “Day of the Dead” are celebrated, it was not named for that reason. It was named for Reuben Clare Coffin (October 29, 1886-September 10, 1972) for his notable contributions in the geological interpretation of geophysical data in Southwestern Colorado. Coffin was a staff member of the Colorado Geological Survey, an Assistant Colorado State Geologist, a teacher for the Geological Department of the University of Colorado, the Chief Geologist of the Midwest Refining Company in Denver (that later merged with Stanolind Oil and Gas company, both subsidiaries of the Standard Oil Company of Indiana), and a consultant to the United States Geological Survey.

Coffinite deposits contain a large percent of the Earth’s uranium supply, which is significant because of uranium’s uses in nuclear energy and in weaponry. Researchers attempted to synthesize coffinite in the mid-1950s after its initial discovery. In 1956, Hoekstra and Fuchs succeeded in creating stable samples of synthetic coffinite for the United States Atomic Energy Commission.

References: Wikipedia, mindat.org, geosociety.org, webmineral.com



Azurite

By Dave Jacobson,

Borrowed from Jun 2012 issue of the Canaveral Moonstone, Melbourne FL

This month we will take a look at azurite, $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$, copper carbonate hydroxide. Most mineral collectors have a specimen or two of azurite in their collections, since it is a very popular mineral due to its color. Its color is due to the copper, the coloring agent, combines with the carbonate groups (CO_3) and hydroxyls (OH). It is a secondary copper mineral found in sulfide deposits associated with carbonate rocks. Malachite, $\text{Cu}_2(\text{CO}_3)(\text{OH})_2$, hydrous copper carbonate is often found with azurite. At times the malachite replaces the azurite forming a pseudomorph, meaning you have a malachite crystal in the original shape of the azurite crystal. Azurite is found in many localities in the world. Some of the more famous localities are: Chessy, near Lyons, France; Tsumeb, Namibia; Larium, Greece; Morocco and Broken Hill, New South Wales, Australia. In the USA, several localities in Arizona such as Bisbee and Morenci. The azurite crystals in the photograph are from Chihuahua, Mexico. The crystals are approximately 1/16 inch across. Dave Jacobson photographer. Some minerals found with azurite are: limonite, chalcopyrite, native copper, calcite, cuprite, chrysocolla, malachite and other oxidized copper minerals. Azurite is a minor ore of copper. It is sometimes used to make jewelry. It is cut into cabochons, but when faceted it is too soft for every day wear. Azurite is in the monoclinic crystal system. It is commonly crystallized in the following habits. Irregular blades with wedge shaped terminations. Rosette like aggregates. Slender needles and hairs. It also forms in botryoidal growths, which are sometimes interlayered with malachite. Its color is azure, from which the mineral takes its name. It can also be deep blue or pale blue. Streak is blue. Specific gravity is 3.7 to 3.9. Hardness is 3.5 to 4. It is brittle. Fracture is conchoidal. It will dissolve in hydrochloric acid with effervescence.

I used the following reference materials in preparing this article.

Field Guide to Rocks And Minerals by Frederick H. Pough.

Mineralogy For Amateurs by John Sinkankus.

Simon & Schusters Guide to Rocks And Minerals. *Minerals of the World* by Walter Schumann..

Amethyst Galleries Mineral Gallery on the internet at <http://mineral.galleries.com>.



October Birthdays

2 Brian Hastings	14 Trey Worthy
2 Michael McCoy	16 Rhonda Hall
3 Lola Flippo	18 James Lowery
3 Theresa Chivers	20 Sam Tuminello
5 Grant Springer	21 Jeannie Green
5 King Le	22 Wendy Poff
7 Mark King	23 Jordan Steelman
10 Bonnie Treadway	27 Jake Walters
11 Diana Nelms	30 David Nixon
13 Ben Hunneycutt	30 Madison Phillips

Anniversaries

5 Terry Burcham
 11 Lola & Ryan Flippo
 12 Robert & Ruth Kemper
 17 Steve & Fritzie Young
 20 Anne Wickstrom
 24 Don & Liz Cooper
 John & Julie McCullough



November Birthdays

1 Juan Martinez	12 Mike Soroczak
2 Daniel Hessler	16 Mary Lou Allen
3 Chris Stewart	20 Betty Augsburg
3 Matt Bedard	21 Phyllis Murphy
4 Josh Hosmer	24 Frank Curran
5 Joe Herman	25 Cassandra Link
6 Sherrie Bonin	27 Betty Olson
9 David Fikes	27 Sheila Cape
9 Jim Lee	28 Jim Springer
11 Kathryn Springer	29 Maya Roberts
12 Mary Hicks	Julie McCullough
12 Lindsey Lewis	

Anniversaries

5 Terry Burcham
 11 Lola & Ryan Flippo
 12 Robert & Ruth Kemper
 17 Steve & Fritzie Young
 20 Anne Wickstrom
 24 Don & Liz Cooper
 John & Julie McCullough



October 2016 - Senior Center Lapidary Lab Schedule Lapidary, Silver Jewelry and Wood Carving

To use lapidary equipment, you must be certified unless a licensed instructor is present
- currently: B. Friday, W. Falkenberg, & Chris Kalange

Monday	7:30am- 9:00am	Open Lab: Lapidary, certified HGMS 60+
	9:00am- Noon	Silver Jewelry - Ron West, Instructor - Seniors & HGMS 60+
Tuesday	Noon -4:30pm	Open Lab: Lapidary, certified HGMS 60+
	7:30am-9:00am	Open Lab: Lapidary, certified HGMS 60+
	9:00am—Noon	Silver Jewelry - Ron West, Instructor - Seniors & HGMS 60+
	Noon -3:00 pm	Silver Jewelry- Terry Clarke, Instructor - Seniors & HGMS 60+
	3:00pm—4:30 pm	Open Lab: Lapidary, certified HGMS 60+
	6:00pm-9:00pm	Open Lapidary & Open Jewelry - certified HGMS 18+
Wednesday	7:30am -4:30 pm	Open Lab: Lapidary - certified HGMS 60+
	6:00pm-9:00pm	Open Lapidary & Jewelry - certified HGMS 18+
Thursday	7:30am -4:30 pm	Open Lab: Lapidary - certified HGMS 60+
	9:00am-11:30am	Silver Jewelry- Ron West, Instructor - Seniors & HGMS 60+
	Noon-3:00pm	Wood Carving - Copeland, Instructor - Seniors & HGMS 60+
	3:00pm-4:30 pm	Open Lab: Lapidary -certified HGMS 60+
Friday	6:00pm—9:00pm	Metal Smithing & Jewelry Classes— HGMS 18+
	7:30am - 12:00am	Open Lab: Lapidary - certified Seniors & HGMS 60+

2016 HUNTSVILLE GEM & MINERAL SOCIETY OFFICERS

President: Mike Harrison 256-797-2435

wm.harrison.123@gmail.com

Vice President—Mindy Schell 334-790-0671

mindy.schell@yahoo.com

Recording Secretary: Leslie Malakowsky, 256-755-0479

lmalakowsky@gmail.com

Treasurer: Clara Goode, 256-883-9194

clarag1964@gmail.com

Newsletter Editor: Bill Friday, 256-527-8227

bill.friday@earthlink.netDirectors at Large: Chris Kalange—ckalange@comcast.netBruce Kowalczyk—256-424-2197 arkowalczyk@aol.comBrian Burgess, Ex Officio - bburgess771@gmail.com 256-746-0641Federation Liaison - Charlie Willhoite - 256-340-3448—cdwillhoite@yahoo.com

2705 Jarvis Street S. W. Decatur AL 35603

2016 COMMITTEE CHAIRS

Membership: Bill Friday— 256-527-8227

bill.friday@earthlink.net

2508 Excalibur Dr. Huntsville AL 35803

Scrapbook: Dianna O'Dell, 256-828-1813

Librarian: Leslie Malakowsky, 256-755-0479

Club Publicity: Jennifer Pinkley 931-233-0420

Education & Craftsmanship: vacant

Field Trips: Brian Burgess, 256-746-0641

Hospitality: Caryl Nixon 256-426-5061

caryl.nixon@outlook.com

Mineral ID: Wayne Falkenberg—

falkenbergwp@comcast.net

(William Holland offers a class for this)

Property: Chris Kalange, 256-883-7627

ckalange@comcast.net

Program Chair—Myra Soroczak 256-446-9938 -

Soroczak@yahoo.com

Show Chair: Tony Smith, 256-603-3095.

Show Vendor Chair: Lowell Zoller, 256-534-8803

Show Volunteer Chair: Lori Willhoite 256-340-3448

2705 Jarvis St S. W. Decatur AL 35603

lewillhoite@hotmail.com

Show Publicity Chair: Tony Smith, 256-852-3210

Show Treasurer: Clara Goode, 256-883-9194

clarag1964@gmail.com

PURPOSE OF THE SOCIETY: The Huntsville Gem & Mineral Society is a non-profit educational organization for people interested in mineralogy, geology, paleontology, and related lapidary arts. Its primary purpose is the education of the members and the general public in these areas. This purpose is accomplished through programs, shows, lectures to school children and organizations, and exchange of rocks, minerals and artifacts.

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, at meetings, or the lab

MEETING PLACE: Huntsville/Madison County Senior Center, 2200 Drake Ave, Huntsville, AL at 6:30pm.

DATE: Fourth Tuesday of each month except for June picnic/rock swap, Christmas Dinner and major holidays.

Federation Liaison: Huntsville Gem & Mineral Society, 2705 Jarvis St SW, Decatur AL 35603, Attn: Charlie Willhoite

The Society is affiliated with the American Federation of Mineralogical Societies ,
the Southeast Federation of Mineralogical Societies, and the Dixie Mineral Council

Federation Newsletters:

SFMS: www.amfed.org/sfms/lodestar_newsletter.html

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

DMC: http://www.amfed.org/sfms/_dmc/dmc.htm



2016-17 CALENDAR

- 25 Oct '16 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm²⁵
- 22 Nov '16 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 6 Dec '16 - **Tentative** - Christmas Dinner Meeting, Madison County Senior Center Cafeteria
Catered Meal, bring an exchange gift if you wish
- 24 Jan '17 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 28 Feb '17 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 28 Mar '17 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 28 Apr '22 - Annual Rock Auction—details to be finalized
Jaycees Bldg, Airport Rd
- 28 May '23 - Regular HG&MS Meeting, Madison County Senior Center,
2200 Drake Ave, Huntsville, AL 6:30pm
- 28 Jun '17 - Annual HGMS Picnic—site to be determined

See Pebble Pups Schedule on Page 6

Deadline for Next Newsletter— November 12, 2016

Rocket City Rocks & Gems

Bill Friday, Editor
2508 Excalibur Dr.
Huntsville, AL 35803

HGMS October 2016

Dated Material
Do not Delay