



Rocky Trails



May 2019

Volume 13 Issue 5

The Newsletter of the Columbia Gem and Mineral Society



EDITOR'S MESSAGE

Greetings,

The big news this week is the workshop. As you all should know by now, we are moving out. We will miss the old shop, but it is time to look forward to a new location. The moving date is May 18 (Saturday) and any help that members would like to offer will be greatly appreciated. There will still be a few items for sale and free items (minerals, fossils, shelves, etc.) for folks to take home with them. The proceeds from sales will go towards moving and maintaining our workshop.

On a lighter note. I hope folks enjoyed our annual Picnic on May 5th, Cinco de Miyo. I'm sad that I had to miss it. I'm sure the food was excellent. There are also a number of fieldtrip opportunities including the Rock Hound Round Up in July. This is a great opportunity to go to numerous mineral collecting sites in North Carolina while sharing experiences with collectors and dealers from all over the South East. The MAGMA club puts on a great event.

Be sure and come to our May meeting to hear and see my presentation on rock art in Utah. I look forward to sharing with you my fascination with Indian culture and the beautiful state of Utah. We will explore canyons and amazing rock formations while gaining insight to the cultures and wildlife communities that developed in these incredible landscapes.

If you have friends who would like to join the club, there is an application form in this issue of the Rocky Trails and at our website. For all of the rest of you who haven't renewed your membership, get your dues in as soon as possible

Ron Ahle, editor

PS: Be sure and come to Natural History Day – ROCKS at the State Museum on June 8th. We will have a booth representing our club!

NEXT MEETING

May 20, 2019

PROGRAM:

Ron Ahle will talk about Utah Rock Art.
Enjoy his beautiful photography.

REFRESHMENTS

Dave Schuetrum

DOOR PRIZES

Laura Tesh

SUNSHINE

Chris Glass is home now and cooking again.
We have missed her cakes!

Congratulations to

Scott Shrader married Beth Kennedy April 13, in Charleston, SC

Stacy Dugan Montebello married Robert French April 7, In Columbia, SC

Club meetings are at The McKissick Museum at USC. Parking is available beside the museum where Bull St. runs into Pendleton St. See map on page 4. If you are unable to use the front steps of the McKissick Museum, there is an elevator on the ground floor down the hall from the parking lot. If you need to use the elevator call 803-261-9317 to have the door on the street level by the parking lot opened.



ABOUT THE PROGRAM

The program for May will be given by me, your newsletter editor. The title of my presentation is the "Rock Art of Eastern Utah". In the presentation, I will give a brief review of the Native American history, the natural history and landscapes of Eastern Utah. We will use the rock art to paint the history of native peoples and the early contacts with Europeans. We will analyze the art work and speculate the stories told therein.

We will review a number of National Parks that Angela and I visited on a recent trip to Utah. In several instances, we were able to hike canyons to find Indian ruins and beautiful petroglyph panels. The abundance of wildlife and landscape beauty helps us understand why the native peoples chose to live in Utah even though weather was likely harsh. The rock art, considered sacred by the existing Indian tribes, gives us insight into their cultural and spiritual way of life.

I look forward to sharing the beautiful scenery, rock art and wildlife that Angela and I experienced through our photography.

Ron



2019 SFMS News

SFMS Publications

Rockhound Round-Up

SFMS ROCKHOUND ROUND-UP - 2019

Southeast Federation of Mineralogical Societies (SFMS) 1st annual Rockhound Round-Up.

Who: All Members of all SFMS Clubs are Welcome. From Clubs in good standing with SFMS. Members in good standing from over 74 Clubs in: AL, FL, GA, MS, NC, SC, TN.

What: A good old-fashion Rock-Swap

When: May 17th, 18th, and 19th, 2019.

Where: Spirit of Suwannee Music Park
3076 95th Drive
Live Oak, FL 32060
(386) 364-1683
www.musicliveshere.com



How Much: **For Buyers Only:** the only cost is the Admission Fee for the Park
If you have a few rocks in your pockets, you may be able to 'Swap' also.

For Sellers: \$25.00 for a 10' x 20' 'booth' to be a Vendor, plus the Park Admission. The \$25.00 is for the 10 foot by 20 foot vendor booth, for all three days. Park Admission—Paid directly to the Park as a daily fee, each day entering the Park. Place your reservation with the SFMS Contact. Separate email sent with Application. **Vendors MUST have Application and Payment delivered by May 13th 2019.**

For Overnight Stays: The Park offers several overnight or weekend options, Cabins, RV spots, Tent Camp-out locations. There are also nearby Hotel / Motels. Contact the Park directly to make a reservation to stay overnight or for the weekend.

This Rockhound Round-Up is provided in conjunction with our 2019 SFMS 2nd Quarterly Meeting.

- ◇ Bring rocks you might want to swap with, remember this is a Rock-Swap!
- ◇ Bring Cash, etc. (The Campground does have 2 ATMs on the premises.)
- ◇ Vendors may or may not accept credit / debit cards, and may or may not have service.
- ◇ Bring flyers for your shows in the next season!
- ◇ Learn more about us, and the Benefits of Belonging to the SFMS!
- ◇ Rock and Roll with us all weekend!

**YOU
ROCK**

Rock On!

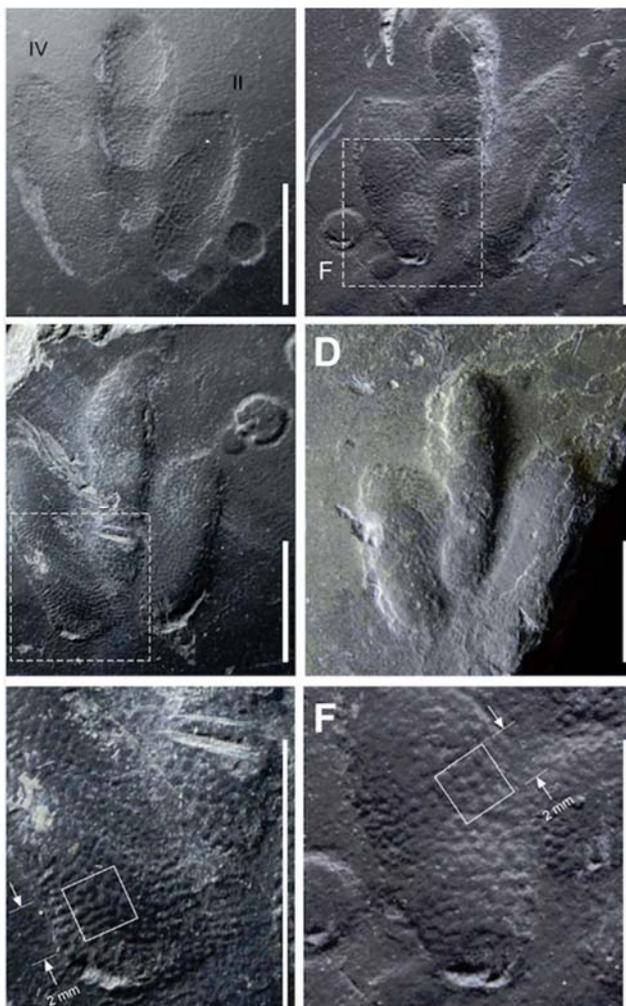


Image A: Natural impression, labeled digits II-IV. Image B: Cast of track. (Note skin traces in hypex area between digits II and III.) Image C: Cast of track. (Note narrow, digit II intersecting raindrop impressions.) Image D: Isolated track. Images E and F: details of skin trace ornament in 2.0 × 2.0 mm areas of digits IV and II respectively. Casts show in frames B-F are essentially replicas of the living foot. [Kim et al. / Scientific Reports] (Kyung-Soo Kim / Chinju National University of Education)

'Exquisitely Preserved' Skin Impressions Found in Dinosaur Footprints

By Brigit Katz
smithsonian.com
April 11, 2019

During a large-scale excavation at the Jinju Formation in South Korea, a set of five tiny dinosaur tracks were spotted on a slab of fine, grey sandstone. This in itself wasn't unusual; paleontologists find dinosaur footprints relatively often. But when Kyung-Soo Kim of South Korea's Chinju National University of Education and his colleagues took a closer look at the tracks, they could see impressions of the prehistoric creature's skin—a rarity, since less than one percent of dinosaur print show skin traces. And that wasn't all.

"These are the first tracks ever found where perfect skin impressions cover the entire surface of every track," says Martin Lockley, a geologist at the University of Colorado Denver and co-author of a new study in *Scientific Reports*.

The footprints were left by *Minisauripus*, the smallest-known theropod, meaning it walked on two legs, and an ichnogenus, meaning that it is known only from fossilized footprints and trackways—not from fossilized bone. The tracks are about an inch long and were imprinted during the Early Cretaceous, between 112 and 120 million years ago, making them the oldest *Minisauripus* footprints in the fossil record, according to Gizmodo's (<https://gizmodo.com/intricate-skin-impressions-still-visible-on-exquisitel-1833912397>) George Dvorsky.

Including the latest discovery, *Minisauripus* tracks have been found at ten different sites, but this was the first one that still contained traces of the dinosaur's skin. The imprints are, according to the study authors, "exquisitely preserved." Experts could see traces of little scales, each between one-third to one-half a millimeter in diameter, displayed in "perfect arrays, like well-woven fabric," according to the [University of Colorado](#). It is believed that the texture of the dinosaur's skin was "the grade of a medium sandpaper."

Skin impressions have been found in dinosaur footprints before, but these impressions were patchy and didn't cover every print in the trackway. The newly discovered *Minisauripus* tracks are outliers thanks to "unusual and optimal preservation conditions," the study authors write. The blackbird-sized dinosaur that made them stepped onto a thin layer of mud, about a millimeter thick, that was sufficiently firm and sticky to stop the animal from sliding around and smudging the prints. Once the dinosaur had moved on, the tracks were covered with another fine mud layer. Even imprints of raindrops that fell before the dinosaur arrived were preserved on the slab.

The skin pattern found in the prints is similar to that of Cretaceous-era feathered birds from China, but the shape of the animals' feet is markedly different, leading scientists to conclude that the tracks were not left by an avian species.

In addition to offering researchers the "first detailed insight into the skin texture of a diminutive theropod," as the study authors put it, the recent discovery sheds new light on the timeline of the *Minisauripus* ichnogenus' presence in modern-day Korea. All previously known Korean *Minisauripus* tracks were unearthed at a geological site called the Haman Formation, which is between 112 and 100 million years old. The newly found prints, unearthed at the Jinju Formation, are between 10 and 20 million years older, suggesting that the species that left the tracks was frolicking about—and leaving its mark—earlier than previously thought.

Social Media Helps our Club Stay Social!

Join us on Facebook, our social media outlet, to learn about activities of the club and to share your club-related experiences. From any Facebook page (not Google), you can search for "Columbia Gem and Mineral Society" to access the club page. Once you get there, you can click on "Like" this page and set your preferences for notifications under the "Following" button. Share the CGMS Events and Posts with your friends! Add photos of club-related topics! Use this page to share your rock and lapidary interests. Anyone can post on our page, just keep it gem and mineral relevant (no profanity or off-topic posts please). Enjoy, this is one way members of our club can stay connected. To access our web site, just type "CGMS.ROCKS" in your internet browser or you can search for Columbia Gem and Mineral Society in Google.

The Club's website is: www.cgms.rocks

MEMBERSHIP

2019 dues are overdue. If you have not renewed please contact Sheila Frame immediately because she will be updating the Membership Roster with current members.

A membership form is attached to the Rocky Trails.



LAST WEEK...For SFMS members to have priority for classes before we open to the public! We have some amazing classes this year and lots of fun planned to connect with fellow Federation members...You don't want to miss this one!

Join us for the
2019 SFMS Workshop
at William Holland
June 9th - 14th, 2019

Please find all the information regarding classes, registration form and payment at the new website:

www.sfmsworkshops.org

For questions please contact
Kristine Robertson
kristine@kmarella.com
[863-640-2887](tel:863-640-2887)

CGMS Lapidary Workshop

1601 Frink St. Cayce, SC 29033

Call or email Gary Hert at 803-794-9362 or gchert@hotmail.com to use the rock saws and capping machines.

Moving - Lease Expires Soon

The lease on the club's lapidary workshop expires at the end of May. Since the Club has not yet located a new workshop, a storage space at Ample Storage has been rented. The storage unit has electricity and is climate controlled. It can be used both as storage and a temporary location for lapidary work until a permanent location is found. Ample Storage is located at 3118 August Rd. in West Columbia.

Organization and packing for the move. The extra bookcases, tables, chairs, equipment, and rocks that the Club no longer needs have been identified. These will be available at the workshop. There is more to do. Help is needed for the move and to prepare for the move:

Workshop Moving Day

Saturday May 18, 9:00 am

NEED AS MUCH HELP AS YOU ARE ABLE TO GIVE. The club has the use of 2 moving trucks. A church youth group has volunteered two teenagers to help with the heavy lifting the bookcases and other rocks will also be available for sale. Plenty of free rocks. Any amount of time you can help will be greatly appreciated.

There are the free rocks. Take what you want from the back porch or on the floor beside the shed. Just show up and help yourself. More are in the shed and in the house if you want any of these contact Sue. They all must gone before the end of May.

Workshop Moving Day

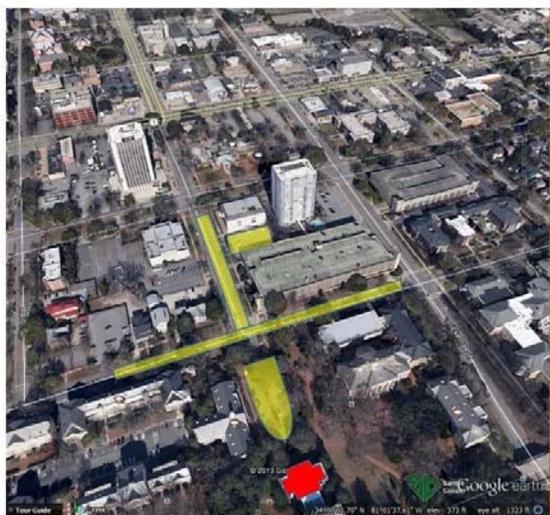
Saturday May 18

Sunday May 19

New Location Needed

The club is seeking a new location for the workshop. A long term lease or purchase is desired. If you have any suggestions please contact one of the Executive Officers.

Sue sue_shrader@mindspring.com 803-261-917 call or text



Yellow shaded areas =suggested parking **McKissick Museum (in Red)**



McKissick Museum

McKissick Museum:

www.artsandsciences.sc.edu/mikissickmuseum; phone 803.777.7251; College of Arts and Sciences, University of South Carolina; 816 Bull Street, Columbia, SC 29208

Natural Curiosity: The University of South Carolina and the Evolution of Scientific Inquiry in the Natural World is an ongoing exhibit in the 3rd floor gallery. Explore your own “natural curiosity” in this exhibit that highlights not only the treasures of nature, but also the evolution of the field of natural history. Beginning soon after USC was founded as South Carolina College, professors and students alike collected samples of animal, vegetable, and mineral to study and grow their understanding of the world around them. Today, visitors can still learn from these real and authentic objects or use newly installed touchscreens to dive deeper into the collections and explore the Historic Southern Naturalists. Permanent Exhibition. Exhibition hours are Monday through Friday 8:30 a.m. to 5 p.m. Saturday 11 a.m. to 3 p.m.

South Carolina State Museum

<http://scmuseum.org/events/upcoming-events/>

301 Gervais Street
Columbia, SC 29201
803-898-4921

Second Shift Twosdays: Every Tuesday from 5 – 10 p.m., General admission is 2 for \$10

The museum is open late every Tuesday. Explore four floors of permanent and changing exhibits, planetarium shows, 4D Theater films, night-sky viewing in the Observatory and more.

Boeing Observatory Public Solar Observing Times:

Mon. to Fri: 10 a.m. to 5 p.m.

Saturday: 11 a.m. to 6 p.m.

Sunday: 1 to 5 p.m.

Night Observing: until 10 p.m. during Second Shift Tuesday each week.



Natural History Day – Rocks:

Sat., June 8 from 10 a.m. – 4 p.m.

Join the State Museum for a very special day full of minerals, geology, archeology, rocks and more!

The **Columbia Gem & Mineral Society** will have a table with displays and demonstrations. The purpose is to explain the use of naturally occurring materials for personal use (jewelry, home décor).

GENERAL MEETING MINUTES

April 15, 2019 General Meeting of Columbia Gem and Mineral Society, Inc.

The Columbia Gem and Mineral Society, Inc. held the monthly club meeting on the 3rd Monday, March 18, 2019, at the McKissick Museum at 816 Bull Street, Columbia, SC 29208 on the USC campus.

7:00 **President:** Jimmy Armstrong called the meeting to order. Jimmy thanked all who contributed to refreshments and welcomed visitors. **Vice President:** Ron Ahle thanked all who came to the auction and said the auction had been a great success and lots of fun. Ron encouraged all to read the Rocky Trails and said there was a great article included about the extinction of dinosaurs.

Treasurer: Angela Valvasori said the audit for the 2018 year had been completed, and she was beginning paperwork for 2019. She also said that she had CG&MS patches for sale. Angela announced upcoming events:

May 5 from 2:00-5:00, the club will have a picnic at the workshop. Since that day is Cinco de Mayo, members are asked to bring Mexican dishes. Since the workshop lease expires at the end of May, there will be items for sale at the picnic. The club has temporarily rented a storage unit with temperature control and electricity where a workshop can be temporarily set up.

May 11 will be an organization day in preparation for the move; we will begin work at 10:00.

May 18 will be moving day; we will meet at the workshop at 9:00.

April 23 and May 7 will be informal gatherings at the workshop from 5:00 to 7:30. Members will be able to use lapidary equipment.

June 7 from 10:00-4:00, the club has been invited to set up a display of rocks and jewelry made from gems and minerals at the SC State Museum for the Natural History Day.

Programs: Ron Ahle will be presenting in May on Indian Rock Art and Sites in Utah. He will show time changes through Rock Art. Ron reminded members that the SEFMS will be holding classes in August and September in Wild Acres. Lapidary Workshops for William Holden will also be in the summer. Please note the websites in Rocky Trails for class listings.

Historian: Angela Valvasori said that in the shed at the workshop, several boxes of documents had been found. While inventorying the documents, Angela said she found the draft of the charter which changed the name of the club. She also found some old flyers.

Field Trips: David Hanes said the upcoming field trip information for the Mason Mines to dig for rubies is listed in the Rocky Trails. All participants will need to sign a liability release form and a meeting for signing release forms will be at 9:00 at the site. He also noted that Hampton Inn in Franklin was offering reduced rates for rooms. Participants can pay by check at the mines. Dave is still working on the field trip to Vulcan Mines.

Sunshine: Sue Shrader's son was married over Spring Break. Jim Cobb said Chris Glass was still recovering from a stroke.

Since there was no old or new business, members voted to adjourn to do door prizes and begin the program.

Respectfully submitted by
Susan Bloodworth

EXECUTIVE MEETING MINUTES

April 22, 2019 Board Meeting of Columbia Gem and Mineral Society, Inc.

The Columbia Gem and Mineral Society met on the 4th Monday, April 22, 2019, at Grecian Gardens at 2312 Sunset Blvd., West Columbia, SC 29169. Attending: Sheila Frame, Mike Montebello, Jimmy Armstrong, Jim Cobb, Dan Elswick, Sue Shrader, and Susan Bloodworth. At 7:07 **President:** Jimmy Armstrong called the meeting to order and thanked all for coming.

Programs: Sue Shrader said Ron Ahle would be presenting at the next meeting on Indian Rock Art. Other possible future programs: Monument Stone Carving, Vulcan Quarry Visit, Kim Cochran and C.C. Murray. **Other important dates:**

April 23: Informal Gathering at Workshop from 5:00 until 7:30

May 7: Informal Gathering at Workshop for 5:00 until 7:30

May 5: Cinco de Mayo Celebration from 2:00 until 5:00 at the workshop on Frink St. Members are to bring Mexican style food. Members can use lapidary tools and get rocks or other items not being moved to Storage Unit.

May 11: Organization Day in preparation to move workshop to the storage unit. 10:00 until 3:00

May 18: Moving Day 9:00 until 4:00

June 8: Earth Day and Natural History Day at the SC State Museum. CG&MS has been asked to set up educational display with rocks, lapidary items, and maybe geode cutting. Board Members voted to participate in this event based upon provision provided by the museum.

Sue said Logan Elementary wanted demonstration.

Membership: Sheila Frame said we now had 106 paid members for 2019. **Liaison:** Jim Cobb said Jerry Hair was seeking contact with President, Jimmy Armstrong. **Facebook:** Dan Elswick said we had over 300 hits. Members discussed Facebook issues with Posting. **Field Trip:** Members mentioned the upcoming Field Trip to Ruby (Mason) Mines and the pending field trip to Vulcan Mines. **Sunshine:** Sue Shraders Son, Scott, married over Spring Break, and Mike Montebello's daughter also married.

Workshop: Sheila secured lease for a storage unit for the workshop which has climate control and electricity to use for lapidary work. Sheila said she also has obtained the use of a truck from Ample Storage, and Jimmy Armstrong agreed to drive truck. Sheila discussed the security at Ample Storage of which a gate and building code would be needed and keys for the actual unit. Sheila said we would need to decide to include insurance for contents of the unit which would be an additional \$10.00 a month. Sheila said we would need to set up rules for the new storage/workshop because we would need to respect storage unit rules and maintain cleanliness at the unit. Susan Bloodworth said she had asked Uturn of Calvary Chapel of Lexington to provide helpers (2-3 Men) and a truck for Moving Day. The Board voted to provide a \$150.00 donation to this organization and to provide lunch for the workers. Sue said she would be working and organizing at the Workshop in preparation for the move and would email some members to see if they could help. Sue also said she would send out emails to see which members could help on May 11 for preparation of the move and another email to see who could help on May 18 for Moving Day.

Sheila Frame asked if the club could provide several items for the SE Federation's auction. Board Members agreed we could support the Federation.

Since there was no more old or new business, board members voted to adjourn at 8:35.

Respectfully submitted by
Susan Bloodworth

[Future CGMS Field Trip to the Columbia Vulcan Quarry](#)

The Columbia Vulcan Quarry Field Trip

The Vulcan Quarry Field Trip includes a drive down into the Vulcan Quarry located at 545 Georgia St., in downtown Columbia, SC, along the Congaree River. The tour and quarry walk-around would give the group a view of an important granite quarry that has been in operation since the late 19th century. The tour could last at least 3 hours, and all participants could collect and keep some very unique mineral samples from a quarry that is 200 feet below sea level. The quarry tour leader would be **Mr. Cameron Walker, the District Operations Manager – Southeast Division, of the Vulcan Materials Company**, who will tell us the history and business mission of this important mineral resource. Mr. Walker has been working in quarries since his 19th birthday.

All tour participants would be required to wear Personal Protective Equipment (PPE) such as hard hats, steel – toed boots and safety glasses, and attend a safety discussion just before the tour.

A date has not been set for this field trip yet, but a tour could be quickly scheduled within 3 weeks. Please contact David Hanes, the CGMS Field Trip Coordinator, at (336) 442-0639, if you are interested and have not signed the trip sheet that was passed around on the February, 2019 CGMS meeting.

Below is a 3/11/2019 photograph from the top of the quarry into its depths:





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 Northeast Georgia Mineral Society (Cornelia, GA) (HOST)
An Official Field Trip of the Columbia Gem and Mineral Society

Saturday, May 18, 2019
10:00 AM Eastern Time
Chunky Gal Mountain
Clay County, NC

TRIP: Chunky Gal Mountain -- people always wonder about that name. Legend has it that it was named for a young Native American woman who fell in love with a young man from another tribe. Some stories say she prevailed by defying the odds and crossing the mountain to be with her beloved, while other stories say she never saw him again. Hopefully it was the happy ending. It is certainly a happy place for rockhounds.

COLLECTING: Green smaragdite is abundant and can be found in small chunks to large boulders. It is a variety of the amphibole mineral actinolite and gets its emerald green color from a touch of chromium. Some of the smaragdite has tiny bits of pink to red corundum in it.

BRING: Rock hammer, chisel, short handled sledge, a UV light for verifying corundum, gloves, safety glasses, hiking boots, 5 gallon bucket, and paper for wrapping specimens. You should also bring sunscreen, insect repellent, hat, water, and snacks.

Very Important – Please read carefully: According to National Forest rules, “Materials must be removed using small hand tools without mechanical means or motorized equipment. Removing mineral materials with a pick, shovel, sluice box or similar large tools can cause significant impacts to resources is considered mechanical so therefore not allowed.”

For more information about these rules, see the following website:
www.fs.usda.gov/detail/nfsnc/recreation/?cid=stelprdb5420144.

TERRAIN: Wooded areas are steep and rocky and may be difficult for people with mobility issues. There may be poison ivy, snakes, ticks, mosquitoes, and other wildlife in the area. Parking may be limited, so carpooling is highly recommended.

FEE: None.

CHILDREN (MAYBE): The terrain may be difficult for small children and they may encounter dangerous wildlife. Parents are encouraged to consider their child's interest and abilities before attending this trip. **All children must be accompanied by an adult at all times. Attendees with unattended children will be asked to leave for the safety of the children and other participants.**

PETS (NO): This location is not suitable for pets so pets are **NOT** allowed.

FACILITIES: There are no facilities at this location. Closest facilities are in Hayesville, NC, about 16 miles to the west, and Franklin, NC, about 19 miles to the east. Cell coverage may be spotty or non-existent.

LODGING: There are some hotels in Franklin, NC and near Hayesville, NC, and several in Murphy, NC (about 30 miles away).

ADDITIONAL INFORMATION: Northwest Georgia Mineral Society members will be available to answer questions about the site and will have water and snacks.

DIRECTIONS AND WHERE TO MEET:

GPS coordinates: 35 04' 10.0" N, 83 37' 43.3 W
Intersection of Highway 64 and Buck Creek Road

From the east: Approximately 19 miles from Franklin, NC on Hwy 64 (right turn onto Buck Creek Road).

CONTACT: Kim Cochran, 770-979-8331. Cell phone the day of trip, Charles Carter, 770-998-1127.



Smaragdite with corundum

An Official Field Trip of the Henderson County Gem and Mineral Society (Hendersonville, NC) (HOST)
An Official Field Trip of the (enter your associated club's name here)

Friday, June 21, 2019
Meet at 9:00 a.m. Eastern Time
At site from 10:00 a.m. to 5 p.m.

Thermal City Gold Mine
5240 US 221 North Highway, Union Mills, NC 28167
Limit 35 People
Registration Required
Fee: \$10 per person site fee

TRIP: A unique experience, family-friendly and hosted by people who are real prospectors! Anyone who wants to pan or prospect for gold is welcome. Here you can learn about and enjoy the tradition and history of gold mining in North Carolina. Lots of other NC gems and minerals to find, see or buy. Camping available and a shop to buy rockhounding equipment.

COLLECTING: The material from the site or river bed will be easy to work with, and we're hoping for a nice, hot day to enjoy the water. Comfortable, covered flume areas for sluicing. Other possible finds common to this area of NC include: moonstone, emerald, citrine, aventurine, smoky quartz, tourmaline, ruby, etc. You will have assistance if needed to identify your finds.

BRING: Screens and pans are available with your \$10 day fee, but for river prospecting please bring your own equipment. A sluice of your own can be set up in the river. If you're more experienced or want a LOT of material, the site has 4 high bankers they will load, or bring your own equipment and save \$10 a load. Cost is \$60 per load or \$70 for screened material when using site's equipment. Share the cost with a few friends!

REQUIREMENTS: Because this site is public and set up for all ages to enjoy, just the basic requirements for your particular group's safety and comfort. We should always have beverages/water, sunscreen/hats, sturdy shoes and the like but no hiking is required. In the water, use safety and move carefully. We will have a first-aid kit and some bottled water.

SPECIAL CONDITIONS: If you choose to pan for gold in the river, you must use your own equipment. Check the website for more options. Fee: \$10.00 per person for the day.

REGISTRATION: Trip size will be limited to 35 persons. Please register so we have a head-count and can contact anyone on a wait list. Email: Kathryn Hackett Fields at Kahfields@Reagan.com, subject line: HCGMS Field Trip. If you can "ride share" one or more from the meeting place to the site, please include that. Can also register at HCGMS monthly Club meeting, May 20 or June 17 (if not full by then). The Thermal City Gold Mine website is your best source for comprehensive information, and for camping details/costs. You can also call Tim Barton, 828-577-4505.

CHILDREN (Yes): The site encourages “ages 3 to 93” and adult supervision appropriate to ages. The flume is covered allowing fun rain or shine. **No Pets**

FACILITIES: Facilities are adequate for a group, and there is a museum and rock shop as well as a wide variety of equipment for purchase. Picnic tables and beautiful surroundings.

ADDITIONAL INFORMATION: The Club will bring bottled water, some ice and morning snacks along with a few folding tables and coolers for lunch bags. Bring your lunch, and enjoy the many area offerings after your day.

DIRECTIONS AND WHERE TO MEET: Our meeting place and registration check-off will be the Ingles at 550 Rt. 9 in Black Mtn. area. Look for green Subaru Forrester with a balloon to find the spot. This location is about 30 miles from the site. Ride-sharing can be done at this point to have less vehicles on-site.

Take the NC-9 exit # 64 off of I-40 East (Montreat/Black Mtn.), go .24 miles then turn right onto NC Hwy. 9/Black Mtn., up another .2 miles and see Ingles on the right. We will wait there from 9 - 9:25 a.m. before leaving for the site by 9:30. Thermal City Gold Mine is about another 21 miles down I-40 East, Exit 85, then US 221 South for 8.76 mi.

CONTACT: Tim Barton may be contacted for general information and meeting place location at 828-577-4505. Day-of-trip contact phone is 828-231-3555, text or call Kathryn, (Trip Registrant)

16th Annual Western North Carolina Rockhound Roundup July 21st - 28th, 2019

The largest annual Rockhound gathering in North Carolina!

Hosted by: M.A.G.M.A., the Mountain Area Gem and Mineral Association

This event will be based at Camp Stephens. This property is located just outside the city of Asheville off of Interstate 26. The camp is just 3.5 miles from the Interstate but located in a secluded wooded area on the French Broad River. There is room for many RV's and tent campers. There is a large indoor pavilion with two bathrooms, two showers (note that the showers and bathrooms have been renovated and are in excellent working condition now) a kitchen, electricity and water for the outside campers and inside the pavilion. There are large campfire pits for use by campers. I will also have two porta potties' on site for extra bathrooms. There will be a dumpster on site for all garbage (be sure to bag your garbage before putting it in the dumpster). Campers will be able to swim, fish, canoe, snorkel, etc. in the river. The camp area is completely wooded so there is plenty of shade. We will be allowed to use

the numerous tables provided in the pavilion to set up and swap/sale our rocks and minerals. Three miles from the camp are numerous gas stations, a mall, restaurants, motels/hotels and more. Campers can arrive anytime Sunday the 21st to set up camp and get ready for the week's events. Camping on the Camp Stephens property is included in the cost.

Agenda: We have coordinated this event to coincide with the numerous gem and mineral shows that are taking place in Franklin, North Carolina the same week. We will visit a variety of mines for collecting. There will be directions to the mines given to all attendees, campers and participants can visit any of the mines listed here, any day of the roundup as many times as they like. I will have release forms and take payment for some mines at the camp and will provide instructions as to where to pay for some mines.

Mines we will have full access to during the week of the roundup:

Crabtree Emerald Mine in Mitchell County, NC. Fee: \$15 for those camping at the roundup, \$20 for all others. Release forms and payment will be collected at the camp prior to the dig. Directions will be provided at camp. **Sinkhole Mine** in Mitchell County, NC. No fee, directions will be provided at camp. **Little Pine Garnet Mine** in Madison County, NC. Fee: \$25 per person. Forms and payment are handled at the office of the Sandy Bottom Trail Rides before proceeding to the mine. Directions will be provided at camp. **Sharpes Emerald Prospect** in Hiddenite, NC. Fee \$20 for those camping at the roundup, \$25 for all others. Release forms and payment will be collected at the camp prior to the dig. Directions will be provided at camp.

We will be visiting the numerous gem and mineral shows in Franklin, NC daily. There will be demonstrations on wire wrap, flint knapping, cabochon making, etc. Display tables will be available to show off your favorite specimens. The members have a cookout in the evening and a big campfire. There will be tables setup throughout the week for people to sell and trade their rocks and minerals, gems and jewelry.

Saturday the 27th; THE FEAST! Everyone bring a dish or desert and something to drink. If you need to cook something for the meal, you should start cooking around 1:00 to be ready to eat around 3:00.

Fee for Roundup: \$40.00 per person. Vendors, \$60.00. This covers all 7 days of the Roundup. Kids 12 and under are free. If you plan to only attend a few of the days, the cost will be \$10.00 per day.

AREA SHOWS

May 24-26—SALEM, VIRGINIA: Annual show; Treasures Of The Earth Gem & Jewelry Shows; Salem Civic Center, 1001 Roanoke Boulevard; pearls, gem trees and crafts with Van Wimmer, (540) 384-6047; vanwimmer@comcast.net ; Website: www.toteshows.com

June 1-2...McCalla, AL: 46th Annual Gem, Mineral and Lapidary Show; Alabama Mineral & Lapidary Society, Tannehill Ironworks State Park; 12632 Confederate Parkway; Sat. 9-5, Sun. 9-5; Free Admission with paid admission to park; This is a fun, family, outdoor show at the lovely Tannehill State Park. There will be several vendors with all types of gems, minerals, fossils, jewelry and more. We will have door prizes, children's games, and demonstration classes for all to enjoy. ; Contact Cathy Kellogg; e-mail: tannehillgemshow@gmail.com; <http://www.lapidaryclub.com/>

June 8 & 9...Cartersville, GA Tellus Science Museum RockFest 29: I-75 Exit 293, 100 Tellus Dr; Cartersville, Georgia; Sat. 10-5, Sun. 10-5; Adults \$15.95, Seniors \$13.95, Students/Children \$11.95; 770- 606-5700 www.tellusmuseum.org

Gem, Mineral, Fossil, & Jewelry Dealers from all around the country will be set up in the Banquet Rooms and on the back lawn of the museum. You will see rare and exotic jewelry, plus ancient fossils and mineral specimens from around the world that you can purchase for your own collection. RockFest is also a great opportunity to have your own rocks identified. If you have unearthed something that appears to be rare or just “different”, bring it to the Mineral and Fossil ID tent on the back lawn to have it identified by our Tellus experts — including Curator Sarah Timm and Executive Director Jose Santamaria. Show . There will be various geology-themed children’s activities in the Great Hall. Purchase a geode at one of the demonstration tents and have it cracked open right in front of you to see what treasure may lie inside.;michellep@tellusmuseum.org; Web site: www.tellusmuseum.org *Contact Mary Vinson 770-606-5700 Ext. 402 maryv@tellusmuseum.org*

July 26-28... Franklin, NC: Macon County Gemboree; Gem & Mineral Society of Franklin NC, Robert C. Carpenter Community Building; 1288 Georgia Road; contact Linda Harbuck(800)-336-7829; e-mail: linda@franklin-chamber.com; www.visitfranklinnc.com

July 27-August 4, 2019: Spruce Pine, NC: 35nd Annual Grassy Creek Gem & Mineral Show
Organized by: Parkway Fire and Rescue Department Parkway Fire and Rescue (Parkway Fairgrounds 136 Majestic View, Spruce Pine, North Carolina 28777) Contact Us: grassycreekgemshow@gmail.com

Launch of American Geode's gem, mineral, fossil show page!

American Geode's gem, mineral, and fossil show page will be #1 on Google, Yahoo, when people search for gem, mineral, fossil shows. No log-in, signing up, or passwords. American Geode wants EVERYBODY, from academics, to college students, to interior design professionals to come to your shows and to buy at your shows. American Geode works with more diverse crowd than just serious mineral collectors.

Even if your club does not host shows, please visit American Geode for shows to visit when you are traveling on vacation or traveling for business!

<http://www.americangeode.com/shows/>

Columbia Gem and Mineral Society



MEMBERSHIP FORM

Year _____

(Membership Year runs January 1 – December 31)

<https://www.cgms.rocks>

Check one: DUES CURRENT MEMBERS

Individual \$25 _____
Family \$30 _____

DUES for NEW MEMBERS ONLY (Prorated Quarterly)

Individual \$26 _____ \$21 _____ \$14 _____ \$7 _____
Family \$31 _____ \$24 _____ \$16 _____ \$8 _____
Jan 1 Apr 1 July 1 Oct 1

Name: _____ Birth Date: _____
Address: _____
City _____ State _____ Zip: _____
Home Phone: _____
Cell Phone(s): _____
Email Address: _____

For those with privacy concerns: If you don't want your home phone or physical address published in the Club Roster please circle or highlight: No phone No address

FAMILY MEMBERSHIP: Spouse and children under 18 yrs. living at the same address.

Spouse: _____ Birth Date: _____
Child: _____ Birth Date: _____

CLUB PARTICIPATION: Please indicate which committee you can help with:

Field Trips__ Membership__ Newsletter__ Programs__ Social__ Faceting Guild__
Workshop__ Show Chairman__ Publicity__ Sunshine__ Rookie Rockhound' s__

May we call on you to work with a Board Member on a committee or project? _____

Make checks payable to: Columbia Gem & Mineral Society (and) mail to: PO Box 6333
Columbia, SC 29260

Previous Membership in another Mineral Society? Club _____
Have you held an office in another club? Club/Office _____
Do you have a rock collection? If so; what? _____
What lapidary skills and interests do you have? _____

For Club Use

The Columbia Gem and Mineral Society is an organization of persons associated together to promote popular interest in and to provide means for the exchange of knowledge of the Earth Sciences – Geology, Mineralogy, and Paleontology – and of the related Arts – Lapidary and other. The Society is a member of the Southeast Federation Mineralogical Societies Inc. and affiliates of the American Federation of Mineralogical Society Inc.

2019 OFFICERS and COMMITTEE CHAIRPERSONS

EXECUTIVE COMMITTEE

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 Secretary.....Susan Bloodworth.....604-1045.....susanbloodworth374@att.net

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CGMS Website

Please visit our Website:

<http://www.cgams.org>

Webmaster: Mike Montebello

Monthly Meeting

Except for January, the meetings are held the third Monday of each month at the McKissick Museum's Auditorium, on the USC campus. Socializing and refreshments at 7:00 pm; Meeting at 7:30 pm. Please enter from the Horseshoe entrance.

Executive Board Meetings:

Except for January, the meetings are held on the fourth Monday of each month at Grecian Gardens, 2312 Sunset Blvd., and West Columbia. Meal is at 6:30 pm. Meeting is at 7:00 pm.

**Rocky Trails
PO Box 6333
Columbia, SC 29260**