

Columbia Gem & Mineral Society News September 18, 2017

Program

David Barbeau, Associate Professor of Geosciences School of the Earth, Ocean and Environment University of South Carolina will talk about zircons, and zircon geochronology. Dave is doing some very interesting and useful things with zircons in South Carolina

Zircons are Forever: Using A Beautiful and Resilient Mineral to Address Important Geologic Problems

“In this presentation, I will cover some basics of the nesosilicate zircon (ZrSiO₄), while emphasizing its utility in U-Th-Pb radiometric dating. I will draw on numerous examples of its importance, including some from South Carolina beach sands, sandstones, and schists. I will summarize some prospecting localities in the Carolinas.

Dave Barbeau is an Associate Professor of geology in the School of the Earth, Ocean and Environment at the University of South Carolina. His lab group primarily uses laser-ablation mass-spectrometry to constrain the U-Pb crystallization ages of zircon, in order to reconstruct the history of mountain belts, magmatic arcs, sedimentary basins and tectonic plates. His group has worked in the southern Andes, Antarctica, the southern Appalachians, the American West and Morocco.

Dave earned a BA in Geology from Carleton College (1997) and MS (2000) and PhD (2003) degrees in Geosciences from the University of Arizona. He began at USC in 2004, where he teaches introductory and sedimentary geology and directs a geology field camp in Colorado each summer.”

Refreshments... Jesse & Abbie Gates

Doorprize... Chris Glass

Meets the 3rd Monday of the month at 7:00 PM

Meeting location is The McKissick Museum at USC.

Park beside the museum where Bull St. runs into Pendleton St.

The society can park in any of these spaces at night beside the Museum.

If you need to use the elevator call **803-261-9317 Sue**

to open the door on the street level by the parking lot

Columbia Gem, Mineral, and Jewelry Show

*Start passing out show flyers. Pick them up at the meeting.

*Sign up to help...Sign-up sheets at the meeting

*Bring rocks, fossils, crystals, sharks teeth, mica to the September meeting for grab bags.

*Bring yellow road signs to the meeting. Need to update them.

Workshop Classes Club Lapidary Workshop

1601 Frink St. Cayce, SC 29033

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

Club workshop informal get together

Tuesday September 19, 2017 ...5:00 to 7:30 Pm

Bring something to eat and a drink. It can be pizza, sub sandwich , or something you have made. Come out to eat and talk about wherever. The workshop has paper plates, cups , & plastic forks knives. Call Gary 803-794-9362 if you want to use the saws. Drop in and visit the workshop! If you plan to be there call Sue 803-736-9317 ashrader@mindspring.com



Club workshop informal get together
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Call Gary 803-794-9362
gchert@hotmail.com

if you want to use the saws or the cabbing machines

Bring something to work on while you are there. Bring anything you have found , made or bought .Drop in and visit the workshop! **if you plan to be there**
call Sue 803-261-9317
ashrader@mindspring.com

The Columbia Gem and Mineral Society will have a booth on Saturday

Who can help call Sue Shrader 803-736-9317 ashrader@mindspring.com

The 10th Annual Congaree Bluegrass Festival 2017 is happening the weekend of October 7th & 8th at the Historic Columbia Speedway in Cayce, S.C.

The Congaree Bluegrass Festival, presented by the City of Cayce and the Cayce Events Committee, a two-day event featuring Gospel Bluegrass Music on Sunday. The Congaree Bluegrass Festival has a new home at the Historic Columbia Speedway which features unlimited free parking and a beautiful space. Sunday Gospel Show entry is free to all.

The Congaree Bluegrass Festival starts at 11:00am on Saturday October 7th gates open at 10am with admission only \$10.00 for adults (free to Cayce residents) and children 12 and under are free. Sundays Gospel show will begin at 1:00pm gates open at 12pm and is free to all. Admission is also free for all Veterans and Active Military and their families.

<http://www.cityofcayce-sc.gov/cbf/info.asp>

Sad News- Danny Jones was a long-time vendor at the Columbia Gem & Mineral Show. On Saturday, he always wore his kilt. He was a large gentle soul and a true rockhound.

Danny Floyd Jones, 69, died on September 1, 2017, at Carolinas Medical Center in Charlotte, NC. The only child of F.F. "Payne" Jones and Kathleen Fulbright Jones, he was preceded in death by his parents. Danny grew up in Cullowhee, NC, and attended local schools including Western Carolina University from which he graduated with a bachelor's degree in business. He earned a Master's in Business Administration at the University of Georgia before beginning a career in banking. He retired as Float Manager for BB&T Bank in Charlotte.

From early childhood, Danny loved to travel, and he had seen much of the world. Extensive travel in the United States led to his avocation – the study and collection of rocks and minerals. He was the owner of Firebird Minerals, Inc. and enjoyed attending rock and mineral shows across the Southeast.

Donations made to...Cullowhee Baptist Church, 148 Central Dr, Cullowhee, NC 28723



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

Natural Curiosity *The University of South Carolina and the Evolution of Scientific Inquiry in the Natural World. Ongoing exhibit, 3rd floor gallery Humans possess a fascination with the natural world around them. We always have. From the 32,000-year-old cave paintings of horses in France to the giraffe stickers today's children paste into their activity books, we can see that humans are eager to see, touch, collect, and understand nature. Ongoing, 3rd floor gallery*
Chris CiCiMurri Curator of natural Science 803-777-2823 cicimurri@sc.edu

Graves Mt. Rock Swap & Dig Lincolnton, GA

Friday, October 6, 2017 ; 8 am to 6 pm

Saturday, October 7, 2017 ; 8 am to 6 pm

Sunday, October 8, 2017 ; 8 am to 6 pm

<https://www.gamineral.org/ft/commercial/ftgravesmain.html>

DIRECTIONS: From Columbia, SC...Take 378 to Saluda than to McCormick, SC. Stay on 378 and cross over the Savannah River into Georgia. To Lincolnton, GA. From the Hardee's in Lincolnton, Georgia, drive approximately 5-1/2 miles west on SR-378. Look for a sign at the entrance to Graves Mountain on the south side of the road.

Graves Mountain Washinton Highway Lincolnton, Georgia

Collecting Rutile, Kyanite, Lazulite, Iridescent Hematite, Pyrophyllite, Pyrite, Ilmenite, Fuchsite, Barite, Sulfur, variscite, woodhouseite, crandallite, strengite, phosphosiderite, cacoxenite, blue quartz, quartz crystals, etc.

The caretaker in charge of Graves Mountain, Clarence Norman Jr., has announced plans to hold a three day dig and rock swap on the Mountain during April and October. He will have the mountain open to collecting from 8 am to 6 pm each day. All participants must stop at the welcome table in the Hospitality tent to sign a liability release and make a small contribution to defray the cost of opening the mountain and providing port-o-lets. There will be several golf cart type, four wheeled vehicles available to transport those participants who have trouble walking long distances. The dig will cease and everyone is expected to be off the mountain by around 6 pm each day. Participants will be allowed to park in a designated area on the mountain.

Rock Swap and Hot Food/Drinks:

Junior will set aside an area in the upper parking lot for tables to be setup for daily rock swaps. Anyone who would like to setup a table(s), please contact Junior at the phone numbers listed below. Hot food cooked on the grill, cold drinks and chips will be available for purchase on the mountain during all three days of these events.

Contact Information: Clarence Norman Jr. (Junior) - 706-359-1544 (his business) or 706-401-3173 (his cell)

THESE DIGS ARE OPEN TO ALL

NO NEED TO SIGN-UP, JUST SHOW UP FOR ALL "ROCK SWAP AND DIGS"!

Mark your calendar and tell all your friends about these two great events!

Graves Mountain code of conduct!

- Park your vehicle in the designated area(at the end of the paved access road but not much beyond the woods to the right of this road).
- NO child under the age of 12 years old is to be allowed on the mountain because of all the dangers involved.
ALL CHILDREN WILL BE ALLOWED DURING THE "Rock Swap and Digs" IF EACH CHILD IS UNDER STRICT ADULT SUPERVISION!
- ALL pets must be kept under control and on a leash.

- The caretaker, Junior Norman, has final and absolute say as to where you may safely work.
- Ladders or power tools of any kind will not be allowed. **(HAND TOOLS ONLY!)**
- **STAY AWAY FROM ALL HIGH WALLS!!**
- **NO RAPELLING OFF OF ANYTHING!**
- **NO ONE IS ALLOWED TO DRIVE THEIR VEHICLE ON ANY PART OF GRAVES MOUNTAIN BEYOND THE PARKING AREA!**
(The caretaker must accompany anyone driving beyond the parking area!)
- **EVERYONE NEEDS TO BE OFF THE MOUNTAIN BY DUSK.** (Absolutely no one is allowed on Graves Mountain after dark.)

Area Gem Shows.....

Sept 1–4, Hendersonville, NC: 36th Annual Gem and Mineral Spectacular. Sponsored by the Henderson County Gem & Mineral Society. Whitmire Activity Building 301 Lily Pond Road Hendersonville, NC. <http://www.hcgms.com/annual-gem-show.html>

September 1-4—Raleigh, NC: Retail show; Treasures of the Earth, Inc., North Carolina State Fairgrounds; 1025 Blue Ridge Road; Jane Westbrook, (804)-642-2011; e-mail: jane@treasuresoftheearth.com; Web site: www.TreasuresOfTheEarth.com

September 8-10—Winston- Salem, NC: Show and sale; Forsyth Gem and Mineral Club, Educational Building, ; Fairgrounds, Gate 9 from 27th. Street ; William Marion, e-mail: mariona1@yadtel.net; Web site: www.forsythgemclub.com

November 17 -19; Columbia, SC 50th Annual Gem Mineral & Jewelry Show ...Jamil Temple, 206 Jamil Rd. Columbia, SC 29210; Adult; \$5.00, 16 & under Free ; All military free 803-736-9317 ahrader@mindspring.com