

TAR HEEL



ROCKHOUND

JUNE 2019

Catawba Valley Gem & Mineral Club, Inc.

2019 Officers and Committees

President: Slade Harvin
252-702-7299
Vice President: Rick Glover
828-446-7633
Treasurer: Terry Russell
828- 303-1563
Secretary: Dean Russell
828- 303-1448

Editor: Slade Harvin
252-702-7299
Field Trip: George Brown
828-292-7407
Education: George Max
828-328-9107

Show Chairman: Dean Russell
828- 303-1448
Scholarship: George Max
828-328-9107
Eastern Federation: Larry Huffman
828-612-4469
Liaison: Larry Huffman
828-612-4469

Club Address: PO Box 2521, Hickory, NC 28603-2521
Regular Meetings: Second Tuesday, 7:00 PM
St. Aloysius Catholic Church
921 2nd St. NE Hickory, NC
Annual Dues: Family, \$25; Individual, \$18;

The purpose of the Club is to increase the individual's knowledge of the earth sciences and to aid in the development of lapidary and related arts and skills; to promote fellowship and exchange of ideas; to hold exhibitions, contests, lectures and demonstrations for educational purposes; to help interest more people in the gem and mineral hobby; and to capture and preserve the beauty of nature, the arts, and the works of man.



Photo: Clip Art

INSIDE

President's Message	2
2019 Labor Day Field Trip	3
Program	3
Field Trip	3
The Pebbles' Corner	3
Meeting Minutes	4
Opal Vs. Moonstone	5
Native American and Fossils	7

CATAWBA VALLEY GEM & MINERAL CLUB, INC.

<http://www.cvgmc.com>

Web Master: Mike Streeter

A. Slade Harvin, Editor
4971 Old River Drive
Hickory, NC 28602

sharvin@thewootencompany.com

President's Message

The weather has been definitely hot.

Remember while outside to drink plenty of liquids and minimize heavy exertion.

This may be a good time to plan to collect somewhere in higher elevations where it is at least a little cooler.

Enjoy the time and make sure that you have fun.

We look forward to seeing everyone at the Club picnic.

Harry and Janice have been extremely generous to host at their house.

Slade

2019 Labor Day Field Trip

I have reserved 10 rooms at the Bright Leaf Golf Resort. All of the rooms have two double beds. Please call them and give them your credit card information to reserve your room. BE SURE TO TELL THEM YOU ARE WITH THE CATAWBA VALLEY GEM & MINERAL CLUB in order to get the special rate. At this time 10 rooms at the resort have been reserved in a block. Everyone will need to call or email the resort for their own reservation. ALL of the rooms will be reserved under one entity: CATAWBA VALLEY GEM & MINERAL CLUB. Everyone needs to make sure that you let the resort know that you are with the CATAWBA VALLEY GEM & MINERAL CLUB.

Bright Leaf Golf Resort

1742 Danville Road, Harrodsburg, KY 40330

Telephone: (859) 734-5481; (800) 469-6038

Website: <http://www.brightleafgolfresort.com>

Email: info@brightleafgolfresort.com

Check In: August 30, 2019 (Friday)

Check Out: September 2, 2019 (Monday)

Rate: \$60+/Single Occupancy; \$80+/Double Occupancy

Deposit: A \$70/room deposit is required to secure the reservation. **Deposit was due by May 3rd 2019.**

This year we plan to go to two quarries and also a location for geodes. We hope to see you there.

Thank you,

Slade Harvin

President

ANNUAL PICNIC!

It is once again time for the club's annual picnic!

Details can be found in a separate email or flyer that will be sent to members.

Tuesday, June 11, 2019

6:30 PM

The Club will provide the hamburgers, hot dogs, rolls and paper products.

Members, please bring a covered dish and/or a desert or chips and a soda to share.

Don't forget your lawn chair.

To sign up to bring food, please go to this link:

www.perfectpotluck.com

Event coordinator last name: Russell
Password: Rockhound

This will let us know what is needed to bring for the picnic. Thank you.

Field Trip

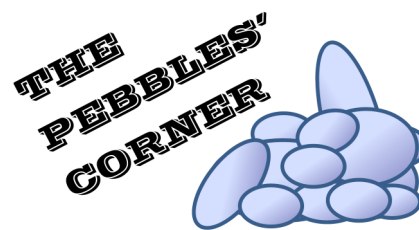
A June field trip location has not been provided in time to add to the newsletter. A field trip can be discussed at the June meeting.

The Labor Day Trip in Kentucky is getting closer. Please make your reservations.

Program

The program for the June meeting will be the Club's Annual Picnic. Make sure you plan to attend.

We look forward to seeing everyone.



This section of the newsletter is being started to help generate more interest and interaction with younger rockhounds and to have fun in the process.

I welcome any information a member may wish to provide to be included in the upcoming newsletters each month, especially related to items that would be of interest to our younger and aspiring rockhounds.

Summer is almost here! The weather has warmed up and then decided to warm up some more.

It is a great time to invite someone over to discuss rocks, collecting, or anything else that you might share an interest in, especially a child and possibly a future rockhound.

A good activity is to discuss collecting, tools, or even a particular mineral.

With the heat and humidity cranked up, this is a good time to plan cooler activities or activities that can be enjoyed away from the heat.

Work on making labels for the specimens you have been putting off, work on plans for future trips, repair and sharpen tools, check and restock your first aid kit (if necessary).

These are good activities to do with someone to help teach them if they are new to the hobby or something fun to do with someone else.

Be safe so another trip can be enjoyed!

And have fun!

Until next time.....

Slade

CATAWBA VALLEY GEM & MINERAL CLUB, INC. - MINUTES

The May 14, 2019 meeting of the CVGMC was called to order by President Slade H. at 7:00 PM.

Visitors: Jim & Bonnie Hird, Randy W.

Minutes: Motion by Harry P., seconded by Rick G., to accept the minutes for the April 9, 2019 meeting. The motion was passed by the Club membership.

Treasurer Report: Bank balance was reported. A brief financial update from the 2019 Show was given.

Education Committee: George M. presented a program to the Catawba Elementary School on April 30th. He did a presentation on fossils, rocks and minerals to two groups of 4th graders. (Approximately 60 students)

Field Trip Report:

- 1) SFMS Rockhound Round-up May 17-19, 2019. Good old-fashion rock-swap. Check May Newsletter for information.
- 2) Check Newsletter for information on the Kentucky Labor Day Trip.

Show Committee: We have started preparing for the 50th Anniversary Show, which will be March 27-29, 2020. The EFMLS Convention will also be held in conjunction with our show. More details to come.

Old Business: None

New Business:

- a. EFMLS Newsletter had information on Carol W.
- b. Need a program for the July meeting. Joan G. won't be at the meeting and need an organizer.

Announcements: The Annual Club Picnic will be Tuesday, June 11, 2019 at 6:30 PM at Harry P's. house. Larry H. will cook hot dogs and hamburgers. The Club will supply the paper products. Look for more information in the June Newsletters.

Closing of Business: The meeting was adjourned at 7:20 PM

Program: James Hird did a presentation on "the Keweenaw: Mines and Minerals, Then and Now."

Respectfully submitted,
Dean Russell, Secretary

I want to thank all the people who attended my talk this past Tuesday and to Larry and Harry and their wives for the hospitality extended to Bonnie and myself during our stay in Hickory.

I hope you had a great time at my talk and learned something about my favorite collecting area in the UP of Michigan.

If there are still questions please feel free to contact me by email.

Jim Hird
Da Wvyoooper

Moonstone Vs. Opal – What's the Difference by: The-Vug.com

Definition:

Moonstone is a sodium potassium aluminium silicate with the chemical formula $(\text{Na,K})\text{AlSi}_3\text{O}_8$ and belongs to the feldspar group.

Opal is a hydrated amorphous form of silica; its water content may range from 3 to 21% by weight, but is usually between 6 and 10%.

Chemistry:

Moonstone is composed of two feldspar species, orthoclase and albite. The two species are intermingled. Then, as the newly formed mineral cools, the intergrowth of orthoclase and albite separates into stacked, alternating layers.

Opal is a hydrated amorphous form of silica ($\text{SiO}_2 \cdot n\text{H}_2\text{O}$). It is deposited at a relatively low temperature and may occur in the fissures of almost any kind of rock, being most commonly found with limonite, sandstone, rhyolite, marl, and basalt.



Moonstone Vs. Opal – What's the Difference (Continued)

Cause of Color

Blue Moonstone is a gem from the feldspar group and is composed of layers of albite – potassium rich aluminium silicate and orthoclase – sodium rich aluminum silicate. The schiller is produced because of light interference caused by the light having to weave its way through the layers with slightly different optical properties. The adularescence is caused by scattered light passing through the exsolution lamellae that act as scattering centres, creating a bluish hue/ lustre.

Precious Opal - is opal which exhibits the phenomenon known as play of colour, which is produced by the diffraction of white light through a micro-structure of orderly arrayed spheres of silica. The internal structure of precious opal makes it diffract light; depending on the conditions in which it formed, it can take on many colors.

Types and colors:

Moonstones come in a variety of colors. The body color can range from colorless to gray, brown, yellow, green, or pink. The clarity ranges from transparent to translucent. There are many different types of **natural opals**. There is black opal, white opal, crystal opal and jelly opal. There are other kinds - fire opal, hyalite, water opal, hydrophane and honey opal.

Early Native Americans Collected Fossils by: Jennifer Haley – AFMS Historian

Have you ever wondered if the early Native American Indians not only found but treasured fossilized dinosaur bones before the early settlers arrived? I was curious and looked for information about that subject to add to what we know about early paleontology. I found a gem of a thick book called, FOSSIL LEGENDS of the FIRST AMERICANS, by Adrienne Mayor. The information in the book is sourced from paleontologists, archaeologists, artifacts, pictographs and oral histories. The book includes some photographs.

There is evidence the early Native Americans were familiar with finding large dinosaur fossil tracks. Often smaller fossils such as mammoth teeth and other types of bones were used in medicine pouches, and a range of various fossils was used by Medicine Men and Medicine Women.

There were great stories and myths about the creatures belonging to the larger fossils which became legends in their culture, full of rich imagination and surprisingly close in some instances to what paleontologists now know about some of the “giant lizards” who long ago roamed our earth.

There is wonderful information in the book to share around the campfire and for articles in your newsletters. Juniors have great imaginations and would love to hear about this fascinating period in paleontology history. FOSSIL LEGENDS OF THE FIRST AMERICANS, by Adrien Mayer, would be a great addition to your society libraries, too.

<https://www.rockngem.com/in-memoriam-carolyn-weinberger-1943-2019/>



"Directing Traffic" photo & title by Mark Kucera
[Carolyn at the 2017 Convention in Bristol, CT](#)

Rock&Gem

The June issue of Rock & Gem is now available

Unlike a disappointing collecting experience, Carolyn seemed to be everywhere in our hobby, and saw the community in it.

~ **Dennis Buffenmyer**, Berks Min Society

Carolyn will be greatly missed. What a great friend, teacher and lady!

~ **Dawn Johnsson**, Chesapeake G&MS

John and I are so sorry to hear about Carolyn, please extend our sympathy's to her family and those of you that worked closely with her at the EFMLS

~ **Alison Pacut**, Mid Hudson Valley G&MS

As a Wildacres attendee and fellow microcmounter, I knew and greatly appreciated Carolyn all of you are in our thoughts and prayers.

~ **Dave Hennessey**, MS of the DofC

~ **Robin Stoughton**, Tidewater G & MS

She will leave a big hole for sure.

~ **Larry Michon**, Northern Berkshire MC

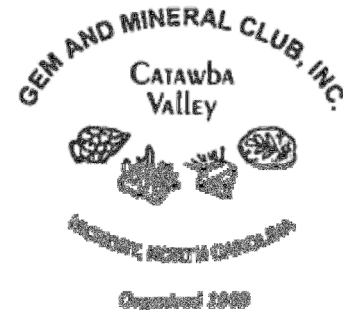
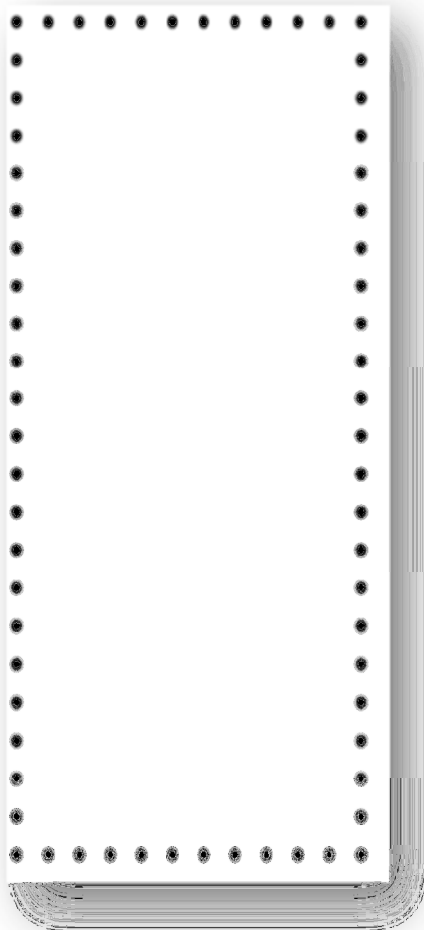
She sure was someone nice to talk to & helped me with many things since 2015. She will be missed very much. Our members send our regrets.

~ **Sue Hurst**, WV Fossil Club

*And many thanks to all the members of the **Keene Mineral Club** who sent a very thoughtful Greeting Card*

First Class Mail

Tar Heel Rockhound
Slade Harvin, Editor
Post Office Box 2521
Hickory, North Carolina 28603-2521
<http://www.cvgmc.com/>



Tar Heel Rockhound

Official Publication of

**Catawba Valley
Gem and Mineral Club, Inc.**

Volume 48 Number 6

Club Meeting

Tuesday

June 11, 2019

Harry's House

6:30 PM 7:00 PM

St Aloysius Catholic Church

921 2nd St NE

—Hickory, NC