

TAR HEEL



ROCKHOUND

NOVEMBER 2014

CATAWBA VALLEY GEM & MINERAL CLUB, INC.

2014 OFFICERS AND COMMITTEES

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Secretary:	Dean Russell 828-303-1448		Bob Tallent 828-851-8434	Eastern Federation Liaison:	Larry Huffman 828-612-4469

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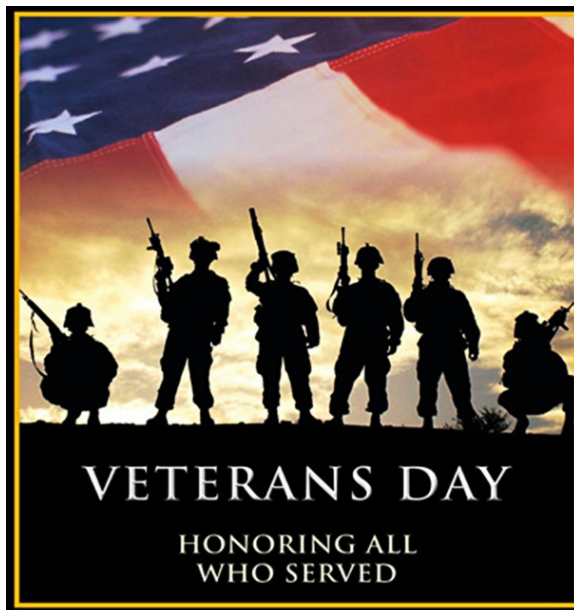
Regular Meetings: Second Tuesday, 7:00 PM

St Aloysius Catholic Church

921 2nd St NE Hickory, NC

Annual Dues: Family, \$18; Individual, \$12; Junior, \$6

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.



CATAWBA VALLEY
GEM & MINERAL CLUB, INC.
<http://www.cvgmc.com/>
Web Master: Mike Streeter

INSIDE

President's Message-----	2
Minutes-----	2
Field Trip News-----	2
November Program-----	2
Elections-----	3
2015 EFMLS	
Convention News-----	3
Fluorescent Mineral Society	
Meeting Flyer-----	4
Junior Activities-----	4
Mini Miners Monthly-----	5

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PRESIDENT'S MESSAGE

Norma Ridenhour, Club President

I found a great source for wood to make the display cases. I stripped several old twin size mattresses and they seem to be the perfect size.

November brings heavy sweaters and fireside chats. It is a good time to think about what you can do to make the March show better than ever. Keep warm and stay well.

Norma

CATAWBA VALLEY GEM AND MINERAL CLUB, INC.

Minutes for October 14, 2014

President Norma Ridenhour called the October 14, 2014 meeting of the CVGMC to order at 7:00 PM. There were 29 members and visitors present. A motion was made by Harry Polly and seconded by Larry Huffman to accept the September 9, 2014 minutes. The Club passed motion.

Treasurer Report: Bank balance was reported.

Field Trip Report:

Reel Mine in October 17-19.

May 2015 – Mt. Pleasant, PA.

The Club has also been invited to dig in Fonda, NY for Herkimer Diamonds.

Education Committee:

Adult Life on Springs Road would like a presentation in the future. George Max will set up.

The Hiddenite Center would like Warren Hollar and Glen Bolick to do their presentation “Romancing the Stone(s): The Quest for the Green Bolt.”

Show Committee:

- Before January 15, 2015 – to have a general meeting about the 2015 Show.

Old Business:

- George Brown– membership card are in.
- Dean Russell – suggested final design and distribution be discussed by the Board of Directors.
- Joan Glover – reported about two new projector and screen options.

New Business:

- Michael Hepner opened a new business on 321A, next to Fred's, and if you mention the Club, you will receive a discount.

- Motion by Baxter Leonard, seconded by George Max, to have the 2015 Show dedicated to Terry Ledford. The Club passed motion.
- The Nomination Committee presented a slate of officers, for 2015, to be elected at the November meeting.
 - o President – George Brown
 - o Vice President – Rick Glover
 - o Treasurer – Terry Russell
 - o Secretary – Dean Russell

The three Board of Director Member at Large positions will be nominated at the November meeting and then elected.

EMFLS Report: Larry Huffman gave a report on the EMFLS Scholarship. A motion was made by Larry Huffman, seconded by Rick Glover, to have George Max explore an ASU professor for the scholarship. This was passed by the Club.

Closing of Business: The meeting was adjourned at 7:35 PM

Program: Glen Bolick, George Max, and Wayne Bolick did a presentation on how to construct a mineral display case.

Respectfully submitted,
Dean Russell, Secretary



FIELD TRIP NEWS

Harry Polly, Field Trip Coordinator

The November filed trip will be to the Reel Mine for amethyst. It will be the weekend of November 14, 15, and 16. Cost is \$25.00 per day. We will meet at the mine site each

day. Address is 375 Timber Road, Iron Station, and NC Camping is permitted, port-a-john on site. Bring digging tools, sledge, chisels, and your whole arsenal. Don't forget your raingear and food, water, etc. Call me with any questions. 828-244-6651

Harry

NOVEMBER PROGRAM

Rick Glover, Program Director

The program will be *A Visit to the Tucson Gem and Mineral Show* presented by Shields Flynn.



CVGMC NOVEMBER ELECTIONS

The Nomination Committee presented a slate of officers for 2015 to be elected at the November meeting:

President – George Brown
Vice President – Rick Glover
Treasurer – Terry Russell
Secretary – Dean Russell

The three Board of Director Member at Large positions will be nominated at the November meeting and then elected.



2015 CONVENTION NEWS

By Larry Huffman,
*Catawba Valley
 Gem & Mineral Club Liaison*

To Be Presented For Your Viewing Pleasure

At the March 27-29, 2015 *EFMLS Convention* to be held in conjunction with *Catawba Valley Gem & Mineral Show* there will be many once-in-a-lifetime gems to see. "Somewhere in the Rainbow" is a privately owned collection from the Phoenix AZ area.

This collection first started in 2008 with the purchase of several world-class faceted stones. Since then the collection has grown to several hundred items which are comprised of 40% finished jewelry and 60% unmounted stones/carvings. The focus of this collection is to make the collection accessible to the public for educational purposes through exhibits in museums, galleries, jewelry associations, and shows. With over \$10,000,000 in value, this collection is considered to be of the highest and unique quality. A portion of this collection will be available for your viewing at the convention; an extremely rare opportunity to see such rare gems. This will be the first showing East of the Mississippi.

Several important area representations will be available for your viewing:

- A World Class Hiddenite, NC Emerald in a designer necklace

- A newly found flawless 3.25 Hiddenite from Hiddenite, NC
- A 48.30ct Jackson Crossroads, GA Amethyst of rich deep color. (These last two items will be displayed in memory of Terry Ledford who tragically was killed in a mining accident in September of this year. Terry was a longtime friend and an exhibitor at the CVGMC Show.)

Added Field Trip

The CVGMC show has added a 2nd field trip. On Monday Harry Polly, Field trip advisor, will lead a group to the Propst Farm, in north Lincoln County, North Carolina.

Propst Farm has for decades been a source of large euhedral corundum (Sapphire) crystals in various colors, including red, pink and deep blue. Corundum was first discovered by locals as loose crystals in their plowed fields and gardens. When the Propsts stopped farming the land, they began to allow rock hounds to access the fields and adjacent forest to collect for a small fee. Mrs. Propst, now a widow, continues to allow rock hounding on her property, but she greatly frowns on having large groups show up all at once. It is my understanding that her dislike of large groups is mostly due to a certain unsavory former member of a rockhounding club who, while on a club trip there, threatened to kick her dog. Upon seeing this, she banned that person and all clubs from the site. However, it didn't take Mrs. Propst long to mellow so that she now allows individuals and small groups to access the property for a fee of \$5 per person.

There will be more information about this 2nd field trip in next month's news article. Don't miss this great extended weekend the CVGMC has planned for the delegates and guest to the EFMLS convention.

Till Next month...

EFMLS News -- November, 2014



*Happy Thanksgiving
 Rockhounds!!!*

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 Publications



FLUORESCENT MINERAL SOCIETY MEETING

Saturday, November 22, 2014

**9:30 AM to 4:00 PM at the GeoTech Center of the
Sterling Hill Mining Museum, Ogdensburg, NJ**

A PARTIAL LIST OF FEATURES:

**Donna Beaton, G.G.; Colored Stones Technical
Advisor; Gemology Content/Education, GIA will
present *What Color Is It? Factors in the
“Color” of Gemstones***

**Dr. Earl Verbeek, Curator of the Thomas S.
Warren Museum of Fluorescence will describe
*Fluorescence of Minerals Under Blue Light***

**Hari Venugopalan, Director of Global Product
Management at Crystal IS will update us on the
*Progress in UVC LED Technology***

***MINERAL TRADE-A-THON EXTRAVAGANZA!*
The NE FMS Lunch Players will perform their
usual culinary magic- \$10
*B.Y.O.Beer***

***RSVP A MUST FOR ATTENDANCE, OFFERS
TO PRESENT A TALK, LUNCH, AND ROCK
SWAP FANTASIES***

Howie Green, e-mail: howard@uvminerals.org

HAVING FUN: JUNIOR ACTIVITIES

by Jim Brace-Thompson, Chair

Looking to Our Next 10 Years with the FRA Badge Program: Seeking Your Help & Suggestions

In September, I noted that this Fall represents the 10th anniversary since the start of our AFMS FRA Badge Program. In fact, it was right about now, ten years ago, that I mailed out the very first activity badge to award to a junior member. I've since passed out more than 3,000 membership patches, awarded nearly 9,000 activity badges, and have even seen some of our earliest participants grow up and head off to college as geology and earth science majors.



When I unveiled the Badge Manual, my plan was to expand and/or update it every four years. We started in 2004 with a membership patch, 9 badges and a Rockhound badge. In 2008, I added 6 more badges and a Rock Star pin. Starting 2012, we arrived at our current set of membership patch, 20 activity badges, Rockhound badge, and Rock Star pin. 2016 is just 15 months away, so—if I'm to stay true to plan—it's time to start thinking about revisions for our next update.

With 20 badges, we've pretty much covered the waterfront. Current badges include: Rocks & Minerals, Earth Resources, Fossils, Lapidary Arts, Collecting, Showmanship, Communication, Field Trips, Leadership, Earth Processes, Earth in Space (meteorites), Gold Panning & Prospecting, Gemstone Lore & Legend, Stone Age Tools & Art, Rocking on the Computer, The World in Miniature (thumbnails & micromounts), Special Effects, Fluorescent Minerals, Reaching Across Generations, and Maps.

As I gear up for a Fourth Edition of the Badge Manual, I welcome your ideas, experience, and creativity. Is there a broad area of our hobby and avocation I've missed that is ripe for an entirely new badge? Are there new activities we might add to existing badges? (For instance, the initial set of activities for our Fossils badge lacked anything on dinosaurs—an omission that was fixed thanks to suggestions from local club leaders who were using the program with their kids.) Have you tried any of the web addresses included in the Manual intended to lead to additional sources of information and activities and, if so, do you have suggestions for new websites to incorporate?

Have any of the web addresses expired? Are there additional books, videos, and other resources we might recommend to go along with any of our badge units? Are there ways we might use our AFMS website to support aspects of the Badge Program? I welcome ideas large and small—any and all! Please send your thoughts to me via snail-mail, e-mail, or phone: 7319 Eisenhower Street, Ventura, CA 93003, jbrace@roadrunner.com, (805) 659-3577.

Here's to crafting the next update to our Badge Manual—and to at least another ten years of having fun!

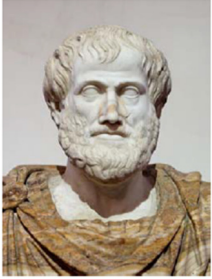
AFMS Newsletter – November, 2014

MINI MINERS MONTHLY

HISTORY OF MINERALOGY SERIES

300's BCE: The first list of minerals in ancient China. It is found in a writing called the *Ji Ni Zi*. It lists 24 minerals.

Early 200's BCE: The Chinese use minerals as a way to heal illnesses. These early ideas (some of which are still popular in some places today) have been found as early as the Han Dynasty (202 BC–220 AD).



384 - 322 BCE: Aristotle (an ancient Greek philosopher and writer) wrote about minerals and their properties. His theory stated that metals were created by moist gases that came out of the earth. Minerals found in the soil were supposed to come from dry gases that came out of the earth.



370 - 285 BCE: Theophrastus was another Greek philosopher. In his writing *De Mineralibus*, he put minerals into two categories: minerals that divided minerals into two categories: those affected by heat and those affected by dampness. Some consider Theophrastus "the first mineralogist."

1494 - 1555: Georgius Agricola (Georg Bauer). He was a German scholar and scientist. He wrote two very important books. One was called *De Natura Fossilium*, which was his version of the discovery and occurrence of minerals.

It was published in 1548. The second is called *De Re Metallica* which was about mining and the removal of metals from ores. His name was Georg Power which, in modern German, is written as Georg Bauer.

"Georgius Agricola" is his name in Latin. He is known as "The Father of Mineralogy."



1556: *De Re Metallica* by Georgius Agricola is published.

His book taught about ores as they are found on and under the ground. It was an early book about geology.

("Fire-setting" by Georgius Agricola - *De re Metallica*. Public Domain).



1500s: It can be said that the hobby of mineral collecting (and even the science of mineralogy) began in the 1500s. Rudolph II, Holy Roman Emperor, King of Bohemia, and King of Hungary and Croatia built an enormous collection of items from nature. His collection included 37 cabinets of minerals and gems.



1663: The earliest record of the use of a blowpipe to analyze the composition of minerals is recorded by Robert Hooke.



1669: Niels Stensen determined that the interplanar angles of quartz crystals are constant for all quartz crystals, of any size, from any locality. Eventually this was shown to be true for crystals of all mineral species. In the mid- 1700's, Jean Baptist Louis de Rome de l'Isle took Stensen's idea and titled it "Steno's Law."

To be continued...

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Club Meeting

**Tuesday
November 11, 2014
7:00 PM**

**St Aloysius Catholic Church
921 2nd St NE
Hickory, NC**