

TAR HEEL



ROCKHOUND

APRIL 2012

CATAWBA VALLEY GEM & MINERAL CLUB, INC.

2012 OFFICERS AND COMMITTEES

President:	Baxter Leonard 828-320-4028	Editor:	Velda McLean 828-572-1580	Show Chairmen:	George Max 828-328-9107
Vice President:	Joan Glover 828-324-0707	Field Trip:	Harry Polly 828-728-9553		Eric Fritz 828-495-7031
Treasurer:	Zan Ritchie 828-495-8456	Education:	Glenn Bolick	Scholarship:	George Max 828-328-9107
Secretary:	Dean Russell 828-330-0034				

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, \$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-----	3
April Program-----	3
Gem Show Exhibit Winners-----	3
Show Thank you-----	4
Gem Club 2012 Ticket Sales-----	4
Burke Archaeology Field School---	4
Juan Pardo -----	4
Have You Heard About the "Rock Pals" Program?-----	4
EFMLS Wildacres News-----	4
Hiddenite Couple Finds 50-Carat Emerald at Mine-----	5
Mini Miners Monthly-----	5

Velda L McLean, Editor
3484 Coy Miller Road
Lenoir, NC 28645
velda@email.com

PRESIDENT'S MESSAGE

Baxter Leonard, Club President

Last month was definitely a split of emotions from the energy of hosting our annual CVGMC annual show to the sad loss of a North Carolina legend in rock hounding Robert "Red" Reitzel. Red will be missed, as well as his contributions to this hobby especially that of Alexander County/Hiddenite. Let us all be thankful for having Red as long as we did, and our thoughts are with his family.

On behalf of the officers of CVGMC, many thanks to all members who served at the show, no matter what the capacity. Friday was the best participation by local school students in many years. Let us continue to encourage this level of participation in the future. Although the attendance may have overall been less than usual, we will make changes in the future that should improve the attendance. These will be reviewed at this month's meeting.

I see many positive things by our members-- participation, demonstrations, providing exhibits, and sharing responsibility towards improvement of the club and its stated missions. I believe the remainder of 2012 will bring us success, and the annual show in 2013 will be a great one.

Baxter Leonard

APRIL PROGRAM

Joan Glover

Anthony Frushour is presenting April's program, *Appalachian Geology*.



Eagle Rock

CATAWBA VALLEY GEM AND MINERAL CLUB, INC.

Minutes, March 2012

There was no meeting or minutes taken in March due to the CVGMC 42nd Annual Gem Show.

FIELD TRIP NEWS

Harry Polly, Field Trip Coordinator



I will not be able to participate in the field trip this month, as I will be in the midst of moving. Dean Russell has graciously agreed to lead the trip. He has planned a trip to the Presnell kyanite mine near Burnsville in Yancey County. It will be held on April 14th. The group will meet in the parking lot of Rose's, Morganton, NC at 8:00 am. Items to bring include mattock, shovels, chisels, digging tools, scratching tools, pry bars, screen. Bring your food, water, and raingear. There are no facilities.

If Dean has any changes to this, he will notify you.

Harry Polly

GEM SHOW EXHIBIT WINNERS

Congratulations to all the Gem Show exhibit winners.

Most Beautiful: Nature's Beauty, Baxter Leonard

Most Educational: Polymorphs, Baxter Leonard

Most Interesting: Geodes, Richard Aultman

Junior Exhibitor: Caroline Talent

First Time Exhibitor: The Rock Cycle, Joan Glover

Guest Exhibitor: Allochromatic Minerals, Rich Olsen

SHOW THANK YOU

George Max, Show Chairman

As Show Chairman, I appreciate all the work you did to make our show the best it could be. The number of people who helped was over forty, and we learned how to work together to make the show more attractive. Members helped with grab bags and geodes to start the ball rolling in January. They also helped publicize the show to the community and to friends. The moving of the cases and Children's Corner items went smoothly, and the setup went very well. We had great participation with exhibits, and the Children's Corner and demonstrations drew interest and involvement. We were also thankful to the people who helped with ticket and grab bag sales, as well as those who provided and announced door prizes. The needs of our dealers were attended to by Eric Fritz, Larry Huffman and others as they tried to ease the work of long days. Baxter Leonard was providing dealers with contracts at the end of the show in preparation for next year. We all need to support him as he starts the ball rolling for an even better show next year. Again, a big thank you to a great club!



George Max

GEM CLUB 2012 TICKET SALES

Marilyn Max, Ticket Sales Chairperson



We had great cooperation and camaraderie at the Gem Show ticket sales table this year. Thanks to the following ticket-sellers: Shelda Aultman, Robbin Coulter, Nancy Fritz, Warren and Betty Hollar, Marilyn Max, Beth Ozkowski, Norma Ridenhour, and

Dean and Terry Russell.

I am especially grateful to Terry Russell, who has kindly agreed to serve as ticket chairperson for our 2013 Gem Show. Let's look forward to volunteering to help her with ticket sales next year.

Marilyn Max

BURKE ARCHAEOLOGY FIELD SCHOOL

COST: \$121.25

TEACHER RENEWAL CREDITS: 5.0



Archaeological Excavation of a Sixteenth Century Spanish Fort in Morganton, North Carolina

Register for the 2012 Field School. If you have any questions about the field school please contact David Moore at: (828) 771-2013; email: dmoore@warren-wilson.edu.

June 4-June 29, 2012

**Participation is open to the public.
No Experience Necessary.**

Field School Weeks--June 4-8, June 11-15, June 18-22, June 25-June 29

JUAN PARDO --EXPLORER

Juan Pardo was a Spanish explorer and conquistador who was active in the latter half of the sixteenth century. He led a Spanish expedition through what is now North and South Carolina and into eastern Tennessee. He established Fort San Felipe, South Carolina (1566), and the village of Santa Elena on present-day Parris Island, the first Spanish settlements in South Carolina. While leading an expedition deeper in-country, Pardo founded Fort San Juan at Joara, the first Spanish settlement (1567-1568) in the interior of North Carolina.



Pardo led two expeditions from Santa Elena into the interior of the southeast United States. The first, from December 1566 to March 1567, numbered 125 men and was to seek food and to establish bases among the region's indigenous people. He established Fort San Juan at Joara, a Mississippian culture center (near present-day Morganton, North Carolina) and left a garrison behind. Claiming the settlement for Spain, he renamed it Cuenca in honor of the Spanish city Cuenca.^[1]

Pardo led a second expedition from September 1567 to March 1568 and explored the Piedmont interior and south along the Appalachian Mountains. He established additional forts to supply a land route to Zacatecas in present-day Mexico, where the Spanish had silver mines they wanted to protect. Pardo returned to Santa Elena when he learned of a French raid there.^[1]

Later in 1568, the Native Americans turned against Pardo's garrisons in the interior, killing all but one of the 120 men and burning down all six forts. The Spanish did not return to the North Carolina interior.

A stone believed to have been inscribed by Pardo or one of his men is in the collection of the Spartanburg Regional Museum of History. It is inscribed with an arrow and the year 1567. The stone (#454865) was found by a farmer in Inman, South Carolina.

HAVE YOU HEARD ABOUT THE “ROCK PALS” PROGRAM?

Rev. Darryl Powell, Jr. Activities Chair



When you were in school, you may have been partnered with kids from schools in towns and countries far-and-wide to become Pen Pals in a letter-exchange program. Last year, Patricia Egolf of the Gem & Mineral Society of Syracuse, New York, instituted a new spin on this for junior rockhounds, namely, a “Rock Pals” program in conjunction with our AFMS Future Rockhounds of America program.

Kids love the different rocks, minerals, and fossils to be found across our great nation, but they can’t always afford to buy them or to travel to collect them. But how wonderful it would be for juniors in a club to band together to collect local samples to trade with juniors in other clubs across the country! With that in mind, Pat had volunteered to establish and oversee “Rock Pals.” A club would gather 20 to 25 local specimens in sizes small enough for all to fit in an \$11.35 medium-size flat-rate box available at the U.S. Post Office and, after making arrangements with another club, each would mail a box to the other.

Sadly, Pat passed away on February 7, 2012. To honor her memory and spirit, we have renamed this program as the “Patricia Egolf Rock Pals Program.” Clubs interested in keeping this program going and in participating with it should contact me, Darryl Powell, at diamonddan@rochester.rr.com. In partnership with other leaders, I will build and maintain a list of clubs interested in participating that we’ll post to the Rock Pals page on the Kids Corner section of the AFMS website to help facilitate contact between clubs. If you and your juniors are interested in participating, please send me the name of the person in your club willing to serve as the contact person, your club’s name and state, and the contact person’s e-mail address and phone number. Let’s keep a fine program going in honor of the fine lady who began it! I’m also sending a contribution to the AFMS Scholarship Program in Pat’s name, and I encourage other clubs to do so, as well.

Finally, I’m happy to report that the activity sets for the five new badges for the AFMS/FRA Badge Program are done and all the new badges have been received from the manufacturer. In addition to adding the new badges, all of the other 15 badge activities have been updated, augmented, and revised. The new manual should be posted to the Kids Corner section of the AFMS website within the next couple of weeks, as soon as the proofreading and corrections are done.

My thanks to all you do in leading kids within our hobby!



(The above was written by Jim Brace-Thompson and slightly edited by DP for use in the EFMLS Newsletter. Thank you, Jim, for your incredible energy and commitment to the youth in our hobby.)

EFMLS News --April, 2012

EFMLS WILDACRES NEWS

Steve Weinberger, EFMLS Wildacres Committee Chair

As I write this, the 2012 spring workshop at Wildacres is almost upon us and I know that our teachers and participants are getting excited. For “old timers”, just getting back to one of the most peaceful and picturesque spots on the east coast is always an eagerly anticipated event. For our newcomers....well, you’ll just have to find out what’s so special about a workshop at Wildacres for yourself. We’ll have a report on our week in the next issue.



And...this year marks the 40th year that the Eastern Federation has held workshops at Wildacres. We’re planning a few surprises to celebrate the milestone! One of our participants is the recipient of our 40th Anniversary Scholarship! More about who it was next month!

Our attention now turns to the September session. Julian Gray from the Tellus Museum in Cartersville, GA will be our “speaker-in-residence”. When I spoke with Julian this February in Tucson, he really expressed his eagerness to join us.

If you’ve not yet registered for the September 3rd - 9th session, why not do so today? The cost for the week - room, board and gratuity for the staff - is \$370 per person. In addition to Julian’s six talks, we’ll of course attend classes, have an old fashioned tail-gate session, auction, fun night, and a free day to go out and explore the area or go on a field trip to one of the local collecting areas.

Think of Wildacres as summer camp, but without the tents. Lodging is in comfortable rooms with private bath, meals, served family style, are always excellent, and the camaraderie of being together with folks who share the same interests is always fabulous. Think rocking chairs, comfortable nights, starry skies, and great conversation!

A list of the classes that will be taught is on page 9 of this issue and a registration form on page 9 of the April 2012 EFMLS News. You can learn more about EFMLS Wildacres and our session by going to our website www.amfed.org/efmls and clicking on the Wildacres tab.

Director Fran Sick, Registrar Pam Bryant and I would love to welcome you to a fun week at EFMLS Wildacres this September.

EFMLS News --April, 2012

HIDDENITE COUPLE FINDS 50-CARAT EMERALD AT MINE

By Bernadette Jay NewsChannel 36

Posted: Monday, Mar. 26, 2012

Kevin and Libby Barrieault, gem enthusiasts from Alexander County, uncovered a 50.5 carat emerald at the *North American Emerald Mine* in Hiddenite.



An Alexander County couple is trying to determine what they'll do with a 50.5 carat emerald they found at a local mine. Kevin and Libby Barrieault of Hiddenite are gemstone enthusiasts who enjoy mining for buried treasures. Their passion turned into a huge pay off when they uncovered the large emerald Friday at the *North American Emerald Mine* in Hiddenite.

Jamie Hill, the mine's owner, estimates the Barrieault's find could net them \$10,000. "I don't think I'll sell it, but we're not sure yet" Libby Barrieault told NewsChannel 36, the Observer's news partner. "I might just put a wire around it and wear it like it is. It's beautiful."

She said they were at the mine for only five minutes before making the discovery. The Barrieaults are part of the *Mountain Area Gem and Mineral Association Club*, where members take field trips to different mines. Members of the club came from as far as Ohio this weekend to root through the dirt on Hill's mine - the first time in 40 years that gem clubs or "Rock Hounds" were allowed on the property. Generally, the *North American Emerald Mine* is open for commercial use, they only allowed in the MAGMA club because they were persistent in asking for two years. And, Hill says the economy had impacted his business. Allowing professional gem clubs to mine is a good source of revenue for his business.

"We're not opening our doors to the general public just yet, but we will allow gem clubs and professional clubs in every once in a while," said Hill.

CharlotteObserver.com

<http://www.charlotteobserver.com/2012/03/26/3125518/hiddenite-couple-finds-50-carat.html>

3/27/201

MINI MINERS MONTHLY

Vol. 6 No. 3

A Monthly Publication for Young Mineral Collectors

March 2012

A MINERALOGICAL "IS TO" CHALLENGE

Here is a mind game to challenge your mineral knowledge. This game challenges you to make a connection between two sets of minerals. The hardest part is figuring out the connection in the first set. Once you figure that part out, it will be much easier to fill in the blank in the second set. Here's an example:

Galena is to lead as _____ is to iron.

Solution: Galena is an ore of lead. It contains lead and sulfur. Pyrite is the most common mineral that contains iron and sulfur.

Some of these are pretty easy. Some are very hard. You will need a mineral book or the internet for some. Soooooo Don't hesitate to ask an adult or a friend to do this with you. You will have a lot of fun together.



1. Talc is to gypsum as fluorite is to _____.

2. Galena is to cubic as calcite is to _____.

3. Gypsum is to plaster as _____ is to pencil "lead."

4. Amethyst is to Quartz as Emerald is to _____.

5. Diopase is to Malachite as Aquamarine is to _____.

6. Gold is to metallic as Garnet is to _____.

7. Cinnabar is to mercury as _____ is to molybdenum.

8. Lepidolite is to Muscovite as Elbaite is to _____.

9. Calcite is to Rhodochrosite as Fluorite is to _____.

(Hint: This is for the crystallographers.)

10. Aragonite is to Calcite as Pyrite is to _____.

(Hint: This one is for the chemists.)

11. Sulfur is to Silver as Galena is to _____.

12. Pyrope is to Garnet as Muscovite is to _____.

13. Hematite is to red as Calcite is to _____.

14. Cuprite is to copper as Proustite is to _____.

Answers

1. Apatite 2. Hexagonal 3. Graphite 4. Beryl 5. Azurite 6. Vitreous 7. Molybdenite 8. Tourmaline 9. Galena or Pyrite or any other mineral that crystallizes in the cubic system forming cubes. 10. Marcasite (in both comparisons, the minerals have the same chemical formula but have different crystal systems. 11. Gold 12. Mica 13. White (this challenge is about the color of the streak of the minerals named) 14. Silver (cuprite is copper ore; proustite is silver ore).



©2012 Diamond Dan Publications. All pictures and articles in this newsletter are property of Diamond Dan Publications and cannot be copied or reused in any format (printed or electronic) without written permission of Diamond Dan Publications, P.O. Box 243, Manchester, New York 14504 or diamonddan@rochester.rr.com. Subscriptions: 12 issues (1 year) \$19.95. 24 issues (2 years) \$36.95. Electronic subscription (PDF) \$9.95 for 12 issues. Make checks payable to Diamond Dan Publications.

First Class Mail

Tar Heel Rockhound
Velda McLean, Editor
Post Office Box 2521
Hickory, North Carolina 28603-2521
<http://www.evcmc.com/>



TAR HEEL ROCKHOUND

Official Publication of
**Catawba Valley
Gem and Mineral Club, Inc.**

Volume 41 Number 4

Club Meeting
Tuesday
April 10, 2012
7:00 PM

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