



ROCK TALK

White Mountain Gem & Mineral Club
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PRESIDENT'S LETTER

And the winner is (drum roll) – Donna Pollard!

Donna is now the proud owner of the spectacular amethyst crystal. So, what did you think? Should we continue to hold similar auctions with amazing specimens?

Welcome new member Allison Phelps, returning members, Dick Turpin and Henry Jones, and visitor Jessica Caltabiano from the Daisy Mountain Club.

Our hearts go out to the family of Karenita Hanson who passed away late last month. Karenita came to meetings in flashy clothes and wore amazing jewelry. She was a long-time club member and often had a display case in our show.

Show Low Days is the second weekend in June at Frontier Field. We will have a booth in Non-Profit Alley on June 10 from 9:30 AM - 4:00 PM. As usual, we need volunteers to interact with the public. Please let me know when you are available to represent us. Shifts are 9:30-12:00, 11:00AM-2:30PM, and 2:00-4:30PM.

We continue to make good progress on our Gem and Mineral Show. Thank you, Cathy, Carl, and all your amazing volunteers.

Trivia: Pyrite (FeS_2) is a joker of a guy. Looks like gold so also known as Fool's Gold. The most common sulfide mineral in the Earth's crust and much harder than gold, it can only be scratched by good quality steel. Pyrite grows in cubes which is an easy way to tell it apart from gold.

Don't forget the highway clean-up on May 20. Many hands, light work, etc. Besides, Brookie will have cookies! See you there.

Have a great month!

Sandra



TREASURER'S REPORT

Current & Upcoming Expense

Website upgrades
Arizona Corporate Commission filing
IRS 990 filing
Newsletter printing & postage

Income This Month:

2023 Gem & Mineral Show
Member dues
Silent Auction
Fifty/Fifty Raffle

BULLETIN BOARD

May I say, that I like May?
I wish every day was a May kind of day
With growing grass and buzzing bees
With blowing breezes, and flowering trees!

—Helen H. Moore



Happy May Birthday To:

- Diane Moten
- Dan Reynolds
- Mike Soboleski
- Linda Stalder

Hey, ya'all—Want to just get out into nature and have some fun?

Not all of us (like me) might be hard-core rock hunters, but do enjoy just getting out into nature and enjoying the beauty of it. Then this month's field trip might be for you. The location is in a beautiful spot not too far from Concho, in the trees and there is even a lake. Bring a picnic lunch and enjoy visiting with fellow club members. See Page 6 for More information.

IN THIS ISSUE

DON'T FORGET

ITEM	PAGE
President's Letter Treasurer's Report	1
Notes of Interest Important Reminders	2
Club Information	3
Minutes of May Meeting	4
WVG&MC Show Update	5-6
May Fieldtrip Info Adopt-a-Highway Cleanup	6
Report on April Fieldtrip	7
Rock of the Month	8
Rocks Needed for Kids' Corner	9
NEW!! Crafty Corner	9
EXTENDED PAGES	
Meeting Photos	10

➔ Members whose last names begin M-Z will host the June meeting potluck

➔ "LET'S DO LUNCH CLUB" meets Friday, May 26 at 1:00PM at the China Wok located in Show Low in the JC Penney's strip mall next to Harbor Freight. We will celebrate May birthdays with cake. Call Hope Rubi at 928-228-8851 if you will attend

VOLUNTEERS NEEDED!

- ➔** We urgently need volunteers for:
- ◆ Field Trip Coordinator
 - ◆ Assistant Field Trip Coordinator
 - ◆ Education Coordinator

Rock Talk Newsletter

Our newsletter is published monthly by the White Mountain Gem & Mineral Club, Inc. Any information or comments members wish to include in the monthly newsletter must be given to the editor at the general membership meeting or call the editor no later than Tuesday following the meeting.

Membership Dues

Membership dues are \$20 for a single membership and \$25 for a couple/family. (\$5 less if you receive newsletter by email.) Dues are paid in January each year along with a completed application form. Memberships initiated in November or later in a given year are also good for the following year.

Meetings

We meet the first Sunday of the month (unless it falls on a holiday) at the VFW Post 9907, 381 North Central Avenue in Show Low. Turn north off the Deuce of Clubs at Burger King. Social half hour at 1:00 PM, meeting starts at 1:30 PM.

Elected Officials

Office	Name	Phone	E-Mail
PRESIDENT	Sandra Angelo	(928)537-3726	sandra_angelo@hotmail.com
VICE PRESIDENT	Carol Glick	(928)228 6202	malcarglick@yahoo.com
2ND VICE PRESIDENT	Rick Palmer	(928)333-5019	palmer57@frontiernet.net
SECRETARY	Debbie Christmas	(602)475-4714	Deb_xmas@yahoo.com
TREASURER	Carl Hickman	(928)536-3744	carlhickman8@earthlink.net
EDITOR	B.G. Hogarth	(928)532-3043	hogarths@citlink.net
FIELD TRIPS	Open		
	Open		

Members at Large

Dick Turpin	(480)240-0995
Terry Pollard	(480)431-0686
Ursula Wilson	(928)532-5703
Shirley Leistikow	(623)261-5752

Volunteer Positions

Webmaster/Coalition Chair	Aimee Webster	(602)503-8417	afwebster61@gmail.com
Show Chairman	Cathy Cargile	(714)348-9162	cathyv08@yahoo.com
Assistant Show Chairman	Carl Hickman	(928)536-3744	carlhickman8@earthlink.net
Sunshine	Donna Pollard	480-600-2714	tdpollard@msn.com
Education, Schools	Open		
Greeter/Door Prizes/ Raffle	Thelma Gray/Diane Moten		
Auctioneer	Donna and Terry Pollard		
Highway Cleanup	Brookie/ Larry Embry	(928)537-0760	
Bonus Prizes	Sandra Angelo	(928)537-3726	
Historian	Donna Pollard	(480)600-2714	tdpollard@msn.com
Librarian	Rick Palmer	(928)333-5019	palmer57@frontiernet.net
Meeting Room Setup/ Cleanup	Beverly Willmon	(928)220-3535	

Chamber of Commerce Liaisons

Show Low: Thelma Gray

Springerville/Eager: Rick Palmer

Snowflake/Taylor: Open

Heber/Overgaard: Aimee Webster

WHITE MOUNTAIN GEM & MINERAL CLUB

MEETING MINUTES MAY 7, 2023

The meeting was called to order by President Sandra Angelo at 1:30PM. The Pledge of Allegiance was recited by members.

Sandra welcomed back members Henry Jones and Dick Turpin. Also welcomed were guest Jessica Caltabiano from the Daisy Mountain club and new club member Allison Phelps.

For Show and Tell Judy Harrell shared a large interesting specimen found in a wash. Sandra Angelo shared a vial of quartz crystals and small obsidian pieces found in Joseph City and Woodruff areas that were collected near fire ant hills. Beverly Willmon told us about an obsidian mountain just north of Mammoth Lake in northern California where obsidian as big as a VW could be found! What a field trip that would be!

The April club meeting minutes were accepted as printed in **Rock Talk** with no corrections or additions.

Treasurer Carl Hickman presented the club's financial report.

President Sandra Angelo mentioned that the club is still in need of a field trip chair. See Page 2 In **Rock Talk** for information on this month's field trip which will be near Concho.

Volunteers are needed for the semi-annual Adopt-a-Highway cleanup. See Page 2 in **Rock Talk** for further information.

Volunteers are also needed to represent our club at the Show Low Days event being held Saturday June 10 at Pioneer Park from 10:00AM to 4:00PM.

Chairwoman Cathy Cargile presented a report of progress on our 2023 Show. Vendor income has covered all of the club expenses for the show. Sixty-nine tables have been sold, and the room capacity is 65. Four vendors are on a waiting list. For more information, see Page 5 in **Rock Talk**.

Meg McDonald has completed the preliminary sketch for the new club logo. Carl Hickman made a motion to accept the logo and Dick Turpin seconded the motion. A vote was passed to accept the new logo. Printing of items for the show will wait until the logo is finalized.

Sandra mentioned that gem shows are coming up in Quartzite in January 2024 and in Albuquerque in October 2024.

The Let's Do Lunch Club luncheon for May birthdays will happen Friday May 26, at China Wok at 1:00 PM.

The special raffle of a beautiful amethyst point was won by Donna Pollard.

Door prizes were won by Greg Wyman (calcite), Beverly Willmon (amethyst) and Blue Thompson (petrified wood).

Carl Hickman gave an interesting presentation about the of radioactivity of elements.

Mike Soboleski won the 50/50 prize of \$49.00.

Additional raffle items were won by Carol Glick (Luna agate) and Rick Palmer (iron pyrite).

There being no further business to discuss, the meeting was adjourned at 3:40PM.

Respectfully submitted

Debbie Christmas, Secretary





PROGRESS AND PLANNING UPDATE GEM & MINERAL SHOW 2023

Show Chair, Cathy (Viney) Cargile (714) 348-9162

GEM AND MINERAL SHOW 2023 SCHEDULE

Thursday July 13

Setup begins at 8:00AM. Vendor and volunteer potluck 2:00 to 4:30 PM.

Friday July 14

Show opens at 9:00AM Friday and runs to 5:00PM.

Saturday July 15

Show opens at 9:00AM and runs to 5:00PM.

Sunday July 16

Show opens at 10:00AM and closes at 4:00PM.

OUR SHOW IS FULLY BOOKED WITH VENDORS AND THERE ARE FOUR VENDORS ON OUR WAIT LIST. Hip Hip Hooray!!!!

Now it is our job to make sure to drive in, pull in, and invite in attendance to shop all our awesome vendors displays! Debbie Christmas has offered to help get out flyers to local shops and store front windows, hotels, and RV resorts as well as to email our gem show information to other rock and gem clubs. What we need now are helpers for Debbie and also to arrange social media outreach, newspaper contact to arrange an article in the local Independent, increased information on our website, listings on other rock and gem related websites and to help set up radio announcements. What can you do to help get the word out? We are looking for record attendance!

Now is the time to sign up for a time slot or two in one of our many activities such as Kids' Corner, spinning wheel, raffle ticket sales, silent auction, membership information booth, admission sales, set-up and takedown of the show and so much more. Please call or text Cathy at 714 348-9162 to let me know how

you may be willing to help out.

Carol Glick is well on her way to having a terrific Kids' Corner with several fun activities. She does need a few volunteers to help out and have some fun with the kids and she also could use donations of polished rock specimens. Please call Carol at 623 326- 8330.

We were delighted to have Dick Turpin back at our Sunday meeting! He is going to be our chief announcer but will need some backup. If you would like to help him, please let us know.

Our Sign and Banner Committee is stellar! Gregg Wyman, Terry Pollard, and Mike Soboleski had a meeting before our Sunday club meeting. They have worked out where signs will be going up and are now in the process of working out what updates are needed for the current signs. More help would be appreciated, so don't hesitate to offer up, especially when it comes time to put up and or take down the signs.

Shirley brought in nine completed baskets for the raffle! This is a new feature for our show. Shirley is open to any donations of rock related items, large baskets, or other goodies.

(Continued on Page 6)

(Show Update, cont. from Page 5)

Three or four baskets will be raffled off daily.

On Thursday July 13 from 2:00 to 4:30PM we are hosting a vendors' potluck. We need a team to help with set-up and cleanup. We also must know by the June meeting what food contributions will be forthcoming.

We plan to have masks and hand sanitizer on hand in concern for the health of our guests, vendors, and volunteers.

We absolutely need and want your help, your skills, and your participation!

With appreciation and admiration.

Cathy Cargile

Show Chair



MAY FIELD TRIP

By Sandra Angelo

On May 27 we will be heading to Concho for jasper, quartzite, wood, fossils, and other interesting rocks and minerals. We will meet at 9:00AM in Concho at the Dollar General parking lot off County Road 8235 (Across from Stanford General Store) with a 9:15 departure. We will travel east until we reach CR8220. Turning left we will travel one-half mile turning left again on a two-track road that heads into the site. There is a small lake and lots of junipers. Since it is so close to home and easy to access, you might want to join in to enjoy the pleasant weather and one another. See you on May 27.



**Just a Reminder---
Highway Cleanup
Time Approaching**

When: Saturday, May 20

You are invited to join other club members to clean up the club's appointed section of US60. Meet at the Chamber of Commerce parking lot in Show Low at 9:00AM. The State supplies vests, pickup sticks, and garbage bags. Bring good walking shoes, sun protection, and gloves.

Besides, I am told that Brookie brings THE BEST home-made cookies!

CELEBRATING EARTH DAY AT WOODRUFF MOUNTAIN

By
Sandra Angelo

Photos By
Donna Pollard

It was a busy Earth Day as four different clubs played at Woodruff Mountain. Nine club members from our club along with four guests and four members from the Gila County club enjoyed the pleasant weather while collecting agatized petrified wood, obsidian, selenite, and other RPRs. About an hour after we arrived, the Coconino club arrived and an hour later, the Apache Junction club. Obviously, it was the place to be.



ROCK OF THE MONTH

BERYL



By Donna Pollard

Beryl, ($\text{Be}_3\text{Al}_2\text{Si}_6\text{O}_{18}$), is Beryllium Aluminum Silicate, a cyclosilicate in the hexagonal crystal system. Unlike quartz crystals, there are no terminations on the crystal end(s). Beryl crystal ends have one plane of basal cleavage parallel to the crystal base. Beryl crystals are prismatic where one direction is always longer than the others. Field identification is the hardness and the prismatic and hexagonal (six-sided) crystal structure. Beryl is often synthetically made but these can be identified by an experienced jeweler because they are too perfect.

Beryl has a hardness (H) of 7.5 - 8 but is no heavier than a quartz specimen of the same size, with a specific gravity (S.G.) of 2.65. Beryl is transparent to translucent, usually with so many inclusions it appears opaque. Massive beryl is often confused with quartz and hardness tests must be utilized.

If you have never heard of beryl, it is because the different colors of beryl have names much more familiar to the general public. While the colorless varieties called goshenite and achroite are the pure form of beryl and not well known, the impure versions which have small amounts of other elements, have more familiar names. Emerald, used in the Crown Jewels of England, is the brilliant green variety colored with vanadium or chromium. Less popular than emerald, but still lovely, aquamarine, widely used in 19th century jewelry, is a sea-blue variety, colored with iron. Heliodor a Greek word meaning 'gift of the Sun', a brilliant but rare yellow variety, is also colored with iron. Manganese gives pink beryl, morganite, its' color. Morganite was named for J.P.Morgan, a bank magnate and gem collector.

Beryl is most often found in granite pegmatites and can grow quite large. The emerald variety is most often found in dark metamorphic limestone/marble. There the beryl does not grow as large as that in granite pegmatites because of the different mode of formation. Beryl is also found in hot hydrothermal deposits called greisen with other rare minerals. Because beryl is so hard and very resistant to acids, crystals weather out of the parent formations intact and end up in stream bedloads.

Beryl is the chief ore of beryllium and is mined worldwide. Only the non-gemmy material is ground up for ore. In Egypt and Columbia, there have been gem quality emerald mines for thousands of years. Cleopatra's emerald mines of Egypt were worked as early as 2000 BC. Spanish explorers brought emeralds to Europe in the 1500s. Most were treasures from conquered native civilizations in Central and South America, particularly Columbia and Peru. Since 1934, the mines of Columbia, including Muzo and Chivor, are owned by the government and are subject to strict rules and export regulations.

Beryl is also abundant in Pakistan, Zimbabwe, Brazil, Russia, India, Norway, Madagascar, and other countries. In the USA, aquamarine is found in Branchville, Connecticut; Grafton, New Hampshire; and Albany, Maine. Large, massive deposits of aquamarine have been found in North Carolina. With only small visible crystal structure, compact masses have been manually cut into huge six-sided "gems" and put in museums as curiosities. Heliodor is found in San Diego County California. Morganite is found in Colorado, and the Black Hills of South Dakota.

Beryl, in all its varieties, is a treasure for any collection.

ROCKS NEEDED FOR KIDS' CORNER

Listed below is a tally of the rocks needed for The Kids' Corner at our show. Kids love plowing through sand to find a treasure and then to learn how to identify their discoveries. If you have any of these on hand that are just accumulating dust, why not donate them for a good cause?

Azurite	Geode, half	Petrified Wood, blue
Bubblegum	Halloween Jasper	Petrified Wood, polished
Calcite, yellow	Jasper, red	Petrified Wood, red
Chert	Malachite	Sand Dollars
Chrysocolla	Opalite specimen	Selenite Rose
Fluorite from China	Payson Geodes	Serpentine, polished
Fossils	Petrified wood chips, natural	Zebra Marble



A NEW COLUMN FOR ROCK TALK

Crafty Corner by Lidia Duvall

Greetings rockhounds and crafters. Welcome to the newest addition to the newsletter. Got rocks, and want to create something with them? This month's wonderful idea comes from a craft show I went to. Do you have slabs 1" or less thick? Make a wall hanger and add epiphytes. (epiphytes are air plants that don't need soil) The finished product looks like a mountain landscape and the plants look like trees.

You will need:

A wooden or metal premade shelf. 12" 18" or 24" depending on how big you want to make it and the size of slabs.

3-5- or 7 or more slabs polished or rough, preferably roughly shaped triangles. One edge must be straight for gluing to shelf. Slabs that look like landscapes and or mountains are ideal. Use different shapes and colors

1 large round cabochon, if you want to have a moon or sun

E 6000 glue (walmart)

3-5 epiphytes (available online)

Begin by gluing down slabs to your shelf. One side of your slab must be straight for gluing. Alternate slabs so some are to the back, middle and front. Glue the moon strategically at the highest point to a slab, but let it hang off a bit so it looks like it is rising and its own entity. Strategically tuck plants, they will just easily sit between slabs. You can easily remove them to water. Once a week you soak them with bottled water or rainwater, and feed them once a month, tucking them back into slabs after watering.

SCENES AROUND THE ROOM AT THE MAY 2023 MEETING

