

ROCK TALK



White Mountain Gem & Mineral Club
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 May 2024

PRESIDENT'S LETTER

It looked like a pretty day, but the winds were incredible. Several times the gusts shook the building! A good day for being inside and enjoying the company of one another. Welcome back to our snowbirds Lynne and Myra. Glad you could join us, Rollo. You always bring fun stuff to the meetings whether it be rocks or ideas. Quite a lively Show and Tell. Thanks to everyone who participated.

Are you someone who regularly attends meetings, or would like a reason to? Are you someone who pays attention to detail? Do you enjoy our Club and want to play a vital role in its on-going success? Then take a step forward and be our treasurer! Carl has been treasurer for five and a half years. He developed a health issue and can no longer serve in this capacity. Now is the time to come to the aid of our country (er club)!

And for those creative types, we need someone to take over Crafty Corner in the Newsletter or start a column of your own. Thank you, Lidia, for sharing your crafts. It has been a very fun column.

Anyone who missed the fieldtrip last month, no worries. We will be heading to Deer Springs this May 25. Nice try to the hardy souls who attempted the trip last month. Very few weather conditions can stop a rockhound, but the muddy aftermath of a spring snowstorm was one.

Don't forget the highway clean up on May 18. It is a surprisingly good time. And the reward for your efforts is Brookie's homemade cookies!

Trivia: Tuff by name, tough by nature. A rock made mostly by ash, it is the lightweight stuff spat out under the force of steam and gases when a volcano erupts. Made mostly of ash, each particle is light. En mass, they hit like a freight train. At more than 1450° F, the flow vaporizes everything in its path.

The show is fast upon us. Cathy and her team are hard at work making sure everything comes together in time for the July 25 weekend. Your help is needed. Raise your hand and volunteer!

Wishing you all a fun and healthy month.

Sandra



TREASURER'S REPORT

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<p>Expense for April</p> <ul style="list-style-type: none"> Meeting supplies Rock Talk printing & postage Heber/Overgaard C of C GoDaddy web hosting 	<p>Upcoming Expense</p> <ul style="list-style-type: none"> Show Low Historical Society Rock Talk printing & postage Accounting Fee IRS990N Show sign printing & replace 	<p>Income This Month</p> <ul style="list-style-type: none"> 2024 Gem & Mineral Show Member dues Silent Auction Fifty/Fifty

BULLETIN BOARD

Happy May Birthday

Diann Burney

Missa Foy

Karen Hickman

Adriene McClure

Diane Moten

Rick Obermiller

Dan Reynolds

Mike Soboleske

Linda Stalder

Wendy Yang



Why Not Join our Let's Do Lunch Club

WHEN: Friday May 31, be there at 1:00 PM.

WHERE: El Azteca Restaurante — 4817 S. White Mountain Road. (Where Mateos used to be. Just this side of the hospital on the left.)

Let's celebrate our May birthday club members!

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None this month	

Notice:

Last names **A-M** will supply the potluck table for the June 2024 meeting.



YES!

It's Highway Cleanup time again!
WHEN: Saturday May 18
 Meet at the Show Low Chamber of Commerce at 9:00 AM
 Wear close-toed shoes & gloves. Bring water. All else is furnished by the State.
 Feast on Brookie's GREAT homemade cookies!

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 OFFICERS

Office	Name	Phone	E-Mail
PRESIDENT	Sandra Angelo	(928)537-3726	sandra_angelo@hotmail.com
VICE PRESIDENT	Debbie Christmas	(602)475-4714	Deb_xmas@yahoo.com
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SECRETARY	Shelly Applegate	(928)245-4300	shellylynn@gmail.com
TREASURER	OPEN		
EDITOR	B.G. Hogarth	(928)532-3043 Cell-(775)397-2312	hogarths@citlink.net
FIELD TRIPS	Dick Turpin	(480)240-0995	
	Rick Palmer	(928)333-5019	palmer57@frontiernet.net

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	skyranch5734@yahoo.com
Assistant Show Chairman	Ursula Wilson	(928)532-5703	
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	Shelly Applegate	(928)245-4300	shellylynn@gmail.com

Chamber of Commerce Liaisons

Show Low: B.G. Hogarth

Snowflake/Taylor: Open

Springerville/Eager: Rick Palmer

Heber/Overgaard: Aimee Webster

WHITE MOUNTAIN GEM & MINERAL CLUB

MEETING MINUTES MAY 5, 2024

The meeting was called to order at 1:31 PM by President Sandra Angelo. Snowbirds Lynne and Myra were welcomed back. Rollo, who is president of the Payson Rimstones and a member of our club, joined us this month.

For Show and Tell, Rollo showed some fossils he found near Strawberry. He also shared trace fossils and pre-dinosaur fossils he found in the Snowflake area. He recommended some spots for future field trips. Loren shared a variety of beautiful specimens containing gold. He got a number of rocks from Jimbo Jacobs who is retiring and liquidating much of his inventory for a dollar a pound. Those interested can stop by his place in Springerville. If the Show Committee wants to purchase specimens for the show, they can spend up to \$200.

Lynne suggested a fieldtrip to the BHP Mine for amazing Azurite. She will find a contact for the mine so a visit can be arranged.

Minutes as published in the April **Rock Talk** were accepted.

The treasurer's report was given by Sandra. Carl is unwell and can no longer hold the treasurer's position. We need someone to step up since this is a critical role in our club. The only qualification is attention to detail.

Lidia has a serious health issue. She has been writing the Crafty Corner article in the newsletter. This slot is now open for another aspiring writer. It could be shared by several people, so that no one is overburdened writing articles or poetry. Please keep both Carl and Lidia in your thoughts and prayers.

Debbie Christmas is donating a five-gallon bucket of chrysocolla to the show.

Our semi-annual highway cleanup is scheduled for May 18. (See Page 2 in **Rock Talk** for further information.)

Sandra read a note from the Bullion Museum and Cultural Center thanking the club for its donation and inviting us to come again.

Donna explained that we have wonderful pictures from the Bullion Plaza of some of their specimens and exhibits in the club scrapbook.

We won't be part of Show Low Days this year. We will participate in Medieval Mayhem on Friday, July 12 for DaVinci Day. Kids come in for a treasure hunt and learn things in the process. We will bring the spinning wheel. Workers must wear period costumes. Daris will provide us with costumes if needed. No tumbled rocks, only raw rocks should be brought. The venue will be set up at Frontier Park. The tent must be decorated in a medieval fair motif.

Dick reported that the group who showed up could not make it to Deer Springs for the April fieldtrip. Four inches of snow made the road impassable. Dick thanked those who texted him to report they were not coming. Eight hardy souls and four vehicles showed up. High clearance or not, the muddy roads made the destination totally inaccessible. On May 25 we will try it again. (See Page 6 in **Rock Talk** for further information.)

Show Chair Cathy Cargile gave a detailed show report. Ursula has been promoted to Assistant Show Chair replacing Carl. (See Page 9 in **Rock Talk** for more information on the show.)

Rollo shared some suggestions from the Payson show. They sold tickets on a raffle for a four-hour trip of rockhounding. Club members were called and asked to volunteer. Many accepted.

Rick Olsen is trying to pare down his personal inventory. This would be another opportunity for the show inventory as well as events in which we participate.

Debbie Christmas shared videos on geodes and amethyst mining for this month's program.

Door prizes were won by Cathy Cargile, Diane Moten, and Rick Palmer

Malcolm won the 50/50 Drawing and other prizes were won by Loren and Shelly.

There being no further business to discuss, the meeting adjourned at 3:30 PM.

Respectfully submitted,

Shelly Applegate
Secretary

JUST SO'S YOU KNOW!



Listed below are some items of interest to all of us. Some have already been mentioned in this issue, but bear repeating. Others might spark a new interest. So dig in!

- ➡ **OUR CLUB NEEDS A NEW TREASURER.** This is of the utmost importance. Diane Turpin has agreed to take it on for a short term until someone volunteers. It's not difficult and it's not like a college degree is needed! You will be trained.
- ➡ **BE ON THE OUTLOOK FOR SCAM E-MAILS.** It seems the club's E-mail program has been breached. If you should receive a message supposedly from Sandra or another club officer asking you to purchase a gift card for the club, delete it immediately.
- ➡ **OUR VERY OWN MYRA PIERCE-REES** has been honored to be named "Artist of the Month" at the Arts Alliance. Be sure to see her work at the art center this month.
- ➡ **WHITE MOUNTAIN SYMPHONY ORCHESTRA** has its final concert of the season on June 1 at 3:00 PM at the Show Low Auditorium.
- ➡ **NATIONAL TRAILS DAY** is also scheduled for June 1 at the Nature Center in Lakeside. There are many programs scheduled that should be very interesting.
- ➡ **ALSO ON JUNE 1, ANIMAL RESCUE** has their fly-in, silent auctions (fantastic), and vintage airplane rides at the Springerville-Eager Airport. The rides are nice, T-24 Jay is a good one. All monies go back to the Springerville-Eager Animal Shelter.
- ➡ **AND A SPECIAL MESSAGE FROM RICK OLSON:** Please pass this along to your members. In my continuing effort to cut back on my inventory I have four tables of copper and iron minerals, agate, Picture Rock and petrified wood available for NO charge. That's right, FREE! Bring your boxes and buckets and help yourself to whatever is on the tables at my home here at White Mountain Lake. If directions are necessary call me at (928)892-3481, but only between 8 AM to 6 PM.
- ➡ **AND A SPECIAL MESSAGE FROM JIMBO AND SANDY JACOBS:** Just would like to let club members know we have our rock collection for sale at \$1.00 per pound. If you could let club members know at the next meeting and in the newsletter. Club members can bring buckets and pick through. We live in Springerville. Call us at 928-242-2260. Thank you.
- ➡ **JUNE 1-2—PHOENIX, ARIZONA:** Annual show; Mineralogical Society of Arizona Phoenix Shrine Auditorium, 552 N. 40th St; Sat. 9-5, Sun. 10-4; \$5 Cash, \$3 for members, Children 12 and under free with paying adult; 35+ quality dealers, demonstrations, raffles, competitive exhibits, Saturday dinner & auction, kids activities; contact Chris Whitney-Smith; Email: show@msaaz.org; Website: www.msaaz.org

MAY FIELD TRIP TO DEER SPRINGS (AKA CLAY SPRINGS)



By Dick Turpin

Phone: 480-240-0885



Since the weather put a "damper" on last month's outing, we thought we would try the same location again this month.

Petrified Wood Site Field Trip

Location of the Field Trip Site: We will be going to a site south of Route 260 just west of the turn to Clay Springs.

Where and When We Will Meet: The primary meeting point will be the Show Low Chamber of Commerce parking lot on Deuce of Clubs at 9:00 AM.

Recommended Vehicle: Any vehicle can make it to the collecting area. The last five miles are on Forest Service Road 107. It is a well-maintained gravel road.

What we will collect: We will be collecting petrified wood. The majority is black, but there are some pieces showing red and white color.

Recommended Things to Take: Bucket, rock hammer, grabber, digging tools, water, lunch, sunscreen.

Cell Phone Service: The site is moderately remote and likely has very weak to no cell service.

Directions to the Site: Drive west from the primary meeting location on Highway 260 about 30 miles. On the right you will see a sign pointing to Clay Springs. Keep going on Route 260 about one mile past this turn. Start looking for a left turn on a dirt road labeled Forest Service Road 107. Turn left on this road. A good landmark for the turn is the large Sundown Ranch RV and Campground on the right side of Route 260. Continue driving on Road 107 for about five miles until the road hits a tee with Forest Service Road 300 (aka Rim Road). Turn left on Road 300 and watch for the Deer Springs fire tower a few hundred yards after the turn. We will gather at the fire tower. Once everyone arrives, we will drive about a quarter mile farther down Road 300 and park.

ROCK OF THE MONTH

MINERAL VS. ROCK

By
Donna Pollard

Most of the entries in our *Rock of the Month* series have been minerals, rather than rocks, so let's look into each of their distinctions.

Minerals are defined as solid crystalline substances, formed by natural and usually inorganic processes. They are the essential materials that make up the earth and those extraterrestrial bodies of which we have samples; meteorites and the moon. Minerals have homogenous physical properties, meaning any part of the same mineral will have the same general physical property, such as hardness. Additionally, any same mineral will have the same chemical properties which may vary within certain limits, but are clearly defined as a chemical formula. All quartz, for example, has the formula for silicon dioxide, SiO₂. There are certain exceptions to the general definition of a mineral. Mercury is normally a liquid in the earth but is often considered a mineral. Obsidian, a solid on earth, is not considered a mineral because it is an amorphous (non-crystalline) solid composed of glass. Coal, though formed by organic processes, usually is considered a mineral.

Rocks are natural aggregates of one or more minerals and sometimes non-crystalline substances that create masses, known as formations, that can be represented on a geologic map. Rocks are not homogenous as minerals are and do not have specific documented physical features such as hardness. They are not represented by specific chemical formulas. The study of rocks is based on methods drawn from mineralogy, geology, chemistry, and physics. Collectively, the study of rocks is known as petrology. There are three types of rocks: **igneous**, the final product of the consolidation of a molten magma; **sedimentary**, produced by the transformation of pre-existing rocks by gravity, atmospheric conditions, and living organisms; and **metamorphic**, the result of solid-state changes in physical conditions that a pre-existing rock is subject to, pressure and temperature changes that causes a rock to become unstable and meta-morph (Greek for change in form) to a stability under the new conditions.

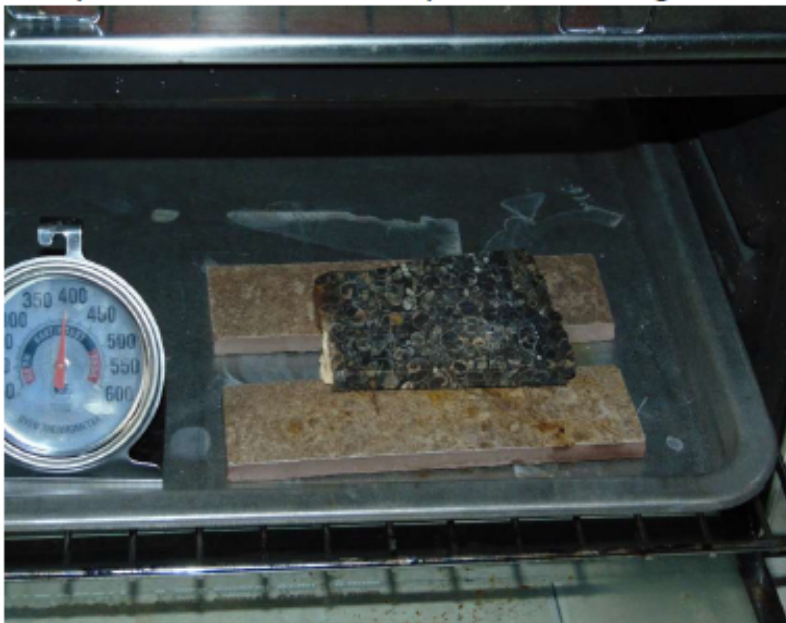
Over the next three months of *Rock Talk*, we will examine the three types of rocks; how they form, where we may find them, and the common names of the types we are likely to find. The vast variations in igneous, sedimentary, and metamorphic rock, are some of the most spectacular specimens one can find. Intrusive granites, regular or pegmatitic, are filled with quartz, various feldspars, and mica crystals, as well as other, more exotic minerals. Sedimentary rocks are the depository for fossils, some hundreds of millions of years old. Metamorphic rocks, with their foliated layering, sparkling mica sheen, and swirls and folds, are some of the most interesting and beautiful rocks one can find.

Metamorphic rocks form from the alteration of any other rock, igneous, sedimentary, or other metamorphics. While temperature and pressure changes are the process causes, the parent rock properties, the metamorphic environment, and the duration of time involved in the alteration all play a part.

(Reprinted from an earlier edition of *Rock Talk*, originally contributed by Carl Hickman)

Epoxy Stabilizer

1. Dissolve epoxy resin (no hardener!) in acetone. I use Epoxy 330, which comes in a two part kit of ½ ounce of resin and ½ ounce of hardener. Discard the hardener. Dissolve one tube of resin in 3.5 fluid ounces (100 cc) of acetone.
2. Once the resin is completely dissolved, place the rock in the solution and allow to soak for 2 or 3 hours. Sometimes with porous samples, they can soak overnight. If the sample “drinks up” the solution or you see bubbles, you may need several treatments to completely fill all the voids.
3. Remove the sample from the mixture and place on a piece of Saran Wrap to dry. Allow several hours. The sample will be tacky to the touch after drying.
4. Place in an oven and heat to 125 degrees for one hour. I suspend the sample across two toothpicks bridging two pieces of floor tile. See picture. I use the “Keep Warm” setting on the toaster oven I use.



5. Increase the temperature to 400 to 450 degrees. Keep at this temperature for at least an hour. I use an oven thermometer to confirm the setting of the oven. Some resin will evaporate and collect on the oven surface, so use a dedicated and disposable oven.
6. Allow to cool in the oven by turning it off.

By Cathy Cargile
Show Chair

2024 SHOW UPDATE

We had some outstanding volunteers step up during the last two months! It is my privilege to acknowledge each of you for your willingness to help make our gem show a huge success.

THANK YOU: Donna Pollard, Terry Pollard, Ursula Wilson, BG Hogarth, Greg Wyman, Shirley Leistikow, Hope Rubi, Mike Sobeleski, Lynn Erickson, Garret Parr, Lynne E, Dick Turpin, Debbie Trimble, Thelma Gray, Carol Glick, Malcolm Glick, Shelley Applegate, Debbie Christmas, Othello Ayem, Brookie Embry, Ron Cargile, Steve Miller, and Caity Herrera.

Our show does not run without the dedication of our board of directors and our very wonderful members who are willing volunteers. My thanks and appreciation to each of you!

We really would like to add your name to our list of volunteers. You may receive a phone call from one of us during the month.

SPECIAL REQUEST: Following is a list of items specifically needed for our basket raffles. You may think of other items that fit into the three categories of baskets: (1) rockhound/ rock related, (2) BBQ/Picnic, and (3) Family night/date night. If you can personally donate, that would be awesome, but we would greatly appreciate asking local businesses for donations of any of these items or gift certificates. I can email available information to you. Please reach out! Since Shirley's committee will assemble the baskets during June, please bring your donations to the June meeting.

DONATION SAMPLES INCLUDE:

- BBQ or Picnic style tablecloths and napkins.
- Variety of BBQ seasonings, rubs and or sauces.
- BBQ tools or BBQ cleaning tools, mesquite, or other smoke additives.
- Grocery Gift certificates (for buying meat and other menu items).
- Chef Apron or chef hat.
- BBQ recipe cookbook.
- Rock picks.
- Eye loops or lighted magnifiers.
- UV flashlights to see fluorescent rocks.
- Trail mix, jerky or other yummy rockhounding snacks.
- Books on rock identification or locations to find great specimens.
- Rock specimens of good size and really eye-catching.
- A selection of rocks to tumble and grit. (A tumbler was donated.)
- Small first aide kit.
- Movie tickets or gift certificates (could use six total).
- Spa gift certificates.
- Hair cut and or style gift certificates.
- Fancy corn for popping.
- Seasoned salt selection for popcorn.
- Popcorn containers.
- Three bottles of wine.
- Gift certificates, dinner for two. (Three of these needed)

With love and appreciation to our wonderful club members!

Cathy Cargile, Gem Show Chair

**White Mountain
Gem & Mineral Club
PO Box 3504
Show Low, AZ**

