

ROCK TALK



White Mountain Gem & Mineral Club
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PRESIDENT'S LETTER

Welcome new member CL and guests Douglas, Drake, Vania, Leigh Anne, Adam, Bob, and KoKo. Good to see Linda, Larry, Sandy, and Jimbo.

Thanks to everyone who shared in Show and Tell. There were a lot of fun stories and a variety of specimens. Judy, you certainly know how to let your sense of humor shine through.

Thank you, Debbie, for leading DaVinci Day at Medieval Mayhem. I know it is a personal passion for you.

Thank you, Linda, for sharing Bill's rocks. The plan is to use them primarily for club members.

Great field trip to the banded sandstone site in Forest Lakes! Thank you for sharing your permit, Rollo. This was always a favorite site when Eunice (aka Rocky) was field trip chair. Our August field trip will probably be to Lee Russell Canyon - Apache Creek, Catron County. (Depending on weather.) The date has been changed to August 17 so the trip can be co-led by Dick and Rollo. We enter the collecting area through the Apache Creek Deaf and Youth Camp where we will drop off a donation check.

They are one of our favorite education charities.

If you need a name badge, contact Carl Hickman sooner rather than later. The cost is five dollars.

Thanks to all our show volunteers, particularly those working behind the scenes. You are key to the success of our show.

Trivia: Limestone is formed in balmy shallow seas where calcium carbonate is laid down as soft mud. Made up of pieces of coral reefs, seashells, and free-floating creatures, it eventually becomes solid rock. A milky white, this sedimentary rock forms giant blocks that dominate hillsides becoming towering chalky cliffs. This old rock provided homes for ancient cave dwellers.

It's **SHOW TIME!** See you all at our twenty-fifth annual show!

Sandra



TREASURER'S REPORT

Expense for July

Show Expenses
Rock Talk printing & postage

Upcoming Expense

Show Expenses
Rock Talk printing & postage

Income This Month

2024 Gem & Mineral Show
Member dues
Silent Auction
Raffle

BULLETIN BOARD



Happy July Birthday



July is filled with picnics,
 Good times, friends,
 And lights.
 Your birthday's just
 As special, as fireworks
 In the night.
 May all your days and years
 Explode, like such, in
 Honest pure delight!

Kathy Anderson
 Mark Captain
 Marleigh Freyenhagen
 Lenora Fisher Green
 Maureen Helm
 Regina Hults
 Mary Johnson
 Larry Legge

Cathy McCue
 Steve Miller
 Myra Pierce-Rees
 Ron Ream
 Kim Reynolds
 Evva Ripperda
 Blue Thompson

IN THIS ISSUE

ITEM	PAGE
President's Letter/ Treasurer's Report	1
Notes of Interest/ Important Reminders	2
Club Information	3
Minutes of July Meeting	4
Just So's You Know	5
On the Sandstone Hunt at Forest Lake	6
July Show Update	7
Rock of the Month	8/9
Rocks Needed for Kids' Corner	9
ADDITIONAL PAGE	
Around and About in Meeting Room	10

Notice:

Last names A-M will supply the pot-luck table for the August 2024 meeting.



**Clarkdale Rocks
 Gem & Mineral Show
 "53rd Show"**

Show & Sale

September 27-29, 2024
 Clark Memorial Clubhouse Auditorium
 19 N. Ninth Street, Clarkdale, AZ 86324
 FRI & SAT 9am - 5pm, SUN 9am - 4pm

Free Admission
 Mingus Gem & Mineral Club
 mingusgem.club

Crystals • Minerals • Gems • Jewelry • Fossils
 Cabochons • Findings • Rock Slabs
 Geode Splitting • Daily Raffles

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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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 JULY 7, 2024

The meeting was called to order by President Sandra Angelo at 1:30PM. Guests and returning members were welcomed. This included Jimbo and Sandy Jacobs, Larry Legge, and Linda Stalder. New member, Cheryl (CL) Piersch, and guests Douglas Ledet, and Drake and Vania, and Leigh Anne, Adam, Bob, and Koko.

For Show and Tell, Shelly showed her picture sandstone acquired at the last field trip. Rollo shared some peridot the Payson club acquired from San Carlos and some tools he recommended for cleaning rocks. Loren showed some wonderful specimens of druzy quartz. These specimens were acquired near Diamond Point by a man named George. According to a close friend of George, these specimens are unique and should be newly named after George! The formations looked particularly nice under the light. Donna showed a coral specimen that was contained in black limestone. The black limestone was unique and swirled around the coral specimen inside it. This specimen is an example of a sedimentary rock which will be described more in the monthly newsletter. Judy found an enormous piece of coprolite, fossilized dinosaur excrement. She had glued on "eyes" and declared that she obtained it from the club's Saint Johns' property. Dick told us of a show on television called "Alaska Dinosaurs." The information shared in the show proposed interesting evidence about the cretaceous period of dinosaurs that goes against what the science community had previously believed. Dick recommended the show for those interested in learning of these scientific developments and mind-blowing theories. Mike showed us some hexagonal diamonds he and a relative had found. This rare gem is from outer space. It looks like snake eggs but is quite solid and weighty for its appearance. It is a valuable gem also called lonsdaleite. Ursula shared with the club her fossilized coral specimens collected at the June field trip, where she found many of them. The ends of the fossil had been polished for clearer visibility of the inside.

The minutes of the June meeting were accepted as presented in **Rock Talk**.

Sandra gave the treasurer's report and explained that we had gone a little over budget for banners and fliers, but the club budget is still financially sufficient. The banners can be used again by changing dates.

No field trip is planned for July because of our show.

Debbie Christmas reported on the club's presence at Medieval Mayhem. Volunteers are needed for setup on Thursday, and also volunteers in costume on Friday for DaVinci Day. We will have our spinning wheel and give away rocks. Linda Stalder has a costume she is willing to loan.

Hope Rubi announced that she has obtained a few gift certificates and will ask for more. She suggested that we call the Shout Out line to announce the show on the radio. The phone number to call is 928-358-5544. You can also Shout Out those who have given us gift certificates.

Rick Olson will continue his rock giveaway this month. (See Page 5 in **Rock Talk** for further information.)

Thanks to Linda Stalder for donating Bill's rocks. Most of his rocks will be for club use. Some will end up as door prizes, 50/50 auction, year-end prizes, and silent auction.

Show Chair Debbie Cargile gave a final detailed update on show preparations. (See Page 7 in **Rock Talk** for more information.)

The door prize winners were Greg, Leigh Anne (guest), and Debbie. Mike, Diane, and Greg won the 50/50.

There being no further business to discuss, the meeting was adjourned at 3:26PM.

Respectfully submitted

Shelly Applegate, Secretary

JUST SO'S YOU KNOW!

Prescott Gem & Mineral Show August 2-4, 2024



PRESCOTT GEM & MINERAL SHOW *20th Annual* SHOW & SALE

Beads
Slabs
Cabochons
Fossils
Demos
Kids Activities
Geode Cutting
Gold Panning

**AUGUST, 2nd
3rd & 4th**
FINDLAY TOYOTA EVENT CENTER
3201 N Main St - Prescott Valley
(Corner of Glassford Hill & Florentine)
FRI & SAT 9-5, SUN 9-4
Admission is Cash Only - ATM Available

FREE PARKING!
\$5 Adults
\$4 Seniors 65+, Vets, Students
Children under 12 FREE w/paid Adult
www.PrescottGemMineral.org

Prescott Gem & Mineral Club's 20th Annual Show & Sale

Over 65 vendors from the Southwest offering Gem & Mineral related products including mineral specimens, beads, slabs, cabochons, crystals, fossils, gem rough, fine jewelry, meteorites, artisan jewelry, and lapidary & jewelry making tools & equipment.

There will be member and vendor displays, a kids' area, a raffle, demonstrations and more.

Admission:
Adults \$5
Seniors, Vets & Students \$4
Children under 12 free with paid adult admission
Free parking
Hours:
Friday & Saturday 9-5
Sunday 9-4

Findlay Toyota Event Center
3201 N Main St
Prescott Valley, AZ

Translation: Luk Lagen: Close the gate



WHAT?! YOU SAY THAT YOU NEED MORE ROCKS FOR YOUR COLLECTION????

Several past and present members have rock-related items either to sell, or to give away.

JIMBO AND SANDY JACOBS are selling off their rock collection at one dollar per pound. Bring buckets and pick through. They live in Springerville. Phone: 928-242-2260

RICK OLSON has four tables of copper and iron minerals, agate, picture rock, and petrified wood for free! Just bring your boxes and buckets and have fun picking through it all. He lives at White Mountain Lake. He is also planning a sale of fluorescents on October 4. If directions are needed, call 928-892-3481, but only between 8:00AM and 6:00PM.

ON THE HUNT TO FOREST LAKES AND SANDSTONE

By Dick Turpin

**Photos By Donna Pollard and
Judy Harrell**



On a beautiful June morning, 10 club members gathered at the usual spot earlier than usual so that we could meet Rollo Pool and the rest of the group near Forest Lakes by 8:30. When we reached the meeting spot our ranks nearly doubled. It included members of the Payson Rimstones, some new members of the White Mountain Club, and several other Arizona rockhounds.

After a short orientation and safety briefing, Rollo led the group six miles north via a decent gravel road to the old sandstone quarry. Although the pit had been reclaimed, there were still plenty of sandstone blocks around the rim in various red, yellow, and brown shades. The group wasted little time gathering large blocks of stone for yard rocks and other landscaping projects. While the standard tools for most field trips are a rock hammer and a five-gallon bucket, on this day wheelbarrows and hand carts were more helpful. In a short time, most truck beds were filled to capacity with banded sandstone blocks that tested the lifting strength of our group.

Knowing that the area offers fossils and other rocks of interest, several members made stops along the gravel road on the trip home to see what other goodies could be collected. A few fossils were found, but the fun was cut short by thunder and lightning from an early spring monsoon. As we drove through Heber this storm turned into a real gully washer, but it stopped as quickly as it started.

It would be interesting to see some photos of the projects where the sandstone was used. Please share.



OUR BIG SHOW IS A GREAT BIG SHOW



IT'S SHOW TIME!

**OUR TWENTY-FIFTH GEM SHOW OPENS FRIDAY, JULY 26 AND RUNS
THREE DAYS THROUGH SUNDAY JULY 28.**

We look forward to all our members attending and bringing or inviting their friends and family to check out our 20 awesome vendors with 60 tables of treasures to explore. We have seven displays being set up by club members, there are new activities in Kids' Corner for kids young and old, good menu at food service by Elks Lodge from 11:30 to 2:30 daily, silent auction and raffles hourly plus three fantastic gift baskets being raffled each day at 3:00PM. Club Members who are volunteering for a minimum of two hours that day and are wearing their badges will be admitted free of charge. We wish for ALL club members to attend and enjoy the show, but if not volunteering, you will be asked to pay the \$4.00 admission fee. Children with an adult are free.

We hope you will distribute flyers and invitations to attend the show. If you have some on hand, please get them out. If you want some flyers, please reach out and we will figure out how to get them to you or email them so you can print. Another way you can help generate enthusiasm for our show is to give a "Shout Out" on the radio by calling: 928-358-5544. An example of a Shout Out is: "Congratulations to White Mountain Gem and Mineral Club on their Twenty-Fifth Gem and Mineral Show coming up the last weekend of July at the Show Low Elks Lodge. Show features 20 vendors and 60 tables with rocks, minerals, gems, crystals, fossils, Kids' Corner and so much more. Adults pay four dollars and kids with an adult are free." A Shout Out is a neighbor informing neighbors sort of thing so have some fun!

Keep an eye out for our great signs and banners distributed around the area and be sure to check the Independent News Brief section for more information on the show.

There are still some openings for volunteers during the show! We would appreciate those who are strong and can help with set up and tear down as well as those who are best seated and greeting our guests at the membership table or other seated location. We especially need people at our Membership Table to answer questions and invite guests to visit and join our club!

This show will seem familiar but also a bit new and different. Our Kids' Corner will have a new activity this year, the Rock Walk, for kids and kids at heart! There are seven club members created displays, none the same as last year. Be sure to check out the baskets for raffle (three different ones each day) and our raffle case displaying items being raffled daily.

We are on the road to one super awesome show! Come join us; help make the Twenty-fifth Show our best one yet!

Cathy Cargile, Show Chair,

Please dear club members, for more information or to offer help, call or text me at:

714-348-9162

ROCK OF THE MONTH

METAMORPHIC ROCK

By
Donna Pollard

As we learned from the May edition of *Rock of the Month*,
rocks and minerals are different entities.
This month we look at ***Sedimentary Rocks!***

Sedimentary rocks are formed from the weathering, erosion, transportation, and deposition of preexisting rocks. Think of weathering as pre-existing formations of any type or rock or mineral, breaking into pieces. Erosion equals a process of picking up those pieces, transportation is the movement of the pieces by wind, water, ice, and deposition is the dropping of those pieces from the medium of transport and building up of new formations.

There are three main categories of sedimentary rock: **detrital**, **organic**, and **chemical**. Detrital forms from the above processes in different environments. Organic sedimentary rock forms with the addition of biological processes. Chemical sedimentary rocks form from deposition, called precipitation, of chemical elements in shallow marine environments. This month we will concentrate on the most common detrital sedimentary rocks.

CONGLOMERATE



Quartz conglomerate consists of rounded fragments of former formations cemented by finer sediments. In a quartz conglomerate, larger quartz set in a fine quartz-cementing matrix. They form where there is insufficient energy to move large fragments such as a turbulent beach area or steep river systems. Fossils are rarely found in this rock.

Polygenetic conglomerate is a variety of conglomerate with rounded and sub-rounded fragments of quartz, iron oxides, and other minerals, large and small.

The smaller pieces of the cementing matrix may be more angular than expected. It forms in high-energy environments such as powerful water currents and again, fossils of any type are rare.

BRECCIA



Breccia has angular fragments which may be of various types of pre-existing rocks. Breccia forms in transitional environments such as near continental margins, base of cliffs or at fault zones. They are places where the pre-existing formations break relatively quickly and are cemented together by mineral-rich fluids infiltrating through these areas. If breccia forms in a marine environment, such as offshore limestone cliffs, it may contain invertebrate fossils, but this is very rare.

SANDSTONE



The most common sandstone is quartz sandstone from sediments deposited in water, usually marine, or as windblown deposits in arid continental regions. Sandstone is usually well-sorted, with the grains of a particular sandstone all about the same size. They may be cemented by silica, calcite, or iron oxides. Fossils are often encased in sandstone, or found as trace fossils such as imprints of shells, or traces of floral or fauna organisms. An easy way to identify sandstone is to feel the sandpaper texture, as opposed to the smooth feel of the mineral, chalcedony quartz.

(Continued on Page 9)

*(Rock of the Month, Continued)***SHALE**

Shales are a mixture of clay materials, with detrital quartz, feldspars, and mica. Black shales, a very common form, is also rich in organic materials, forming in deep, slow-moving water, marine or fresh waters. The fossils present would determine the location of the deposition of sediments. Shales with a high calcite content will often have a multitude of marine fossil evidence and will effervesce in cold hydrochloric acid. Fresh-water shales may hold evidence of ferns, or horsetail, or other ancient plants.

A very fine-grained shale would be called a siltstone, or mudstone, while an extremely fine-grained rock could be a clay, or a marl. An influx of shallow ocean over continental material, in the deep past created conditions leading to layers of green marl. It has green or bluish coloring caused by the inclusion of chloride or glauconite and may contain marine fossils traces. Locally, a thick vein of green/blue marl is present in the area of Woodruff, Arizona.

Next month we will finish discussing the common forms of sedimentary rock, an interesting and necessary part of understanding geology.

ROCKS NEEDED FOR KIDS' CORNER AT OUR SHOW

The following listed rocks are needed for our show, specifically for the kids' egg cartons and the spinning wheel.

Please call Malcolm or Carol at 623-326-8330 if you wish to donate some of these rocks. Or bring them to the show.

Apache Tears	fluorite	Orthoceras Fossils
blue petrified wood (small pieces)	fossils	sand dollars
chert	half geodes	selenite rose
chrysocolla	jasper (small)	serpentine, polished
citrine	malachite	yellow calcite
crystals	opalite specimen	zebra agate

AROUND AND ABOUT IN THE MEETING ROOM

