

ROCK TALK



WHITE MOUNTAIN GEM AND MINERAL CLUB
SHOW LOW, ARIZONA

White Mountain Gem & Mineral Club
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February 2025

PRESIDENT'S LETTER

February is the month of LOVE and heart health. One of the ways to good health is a strong social network. Observing our meetings where everyone genuinely enjoys one another, it is apparent our club is a healthy activity for our members.

We have some exciting presentations coming up over the next three months. Rollo will be our March presenter (weather permitting); he hasn't finalized a topic yet. Ron will present Mine Safety in April and Ursula will demonstrate bead making in May.

The STEM Fair was "off" then "on" again. This year will be virtual the second week of March. The awards celebration will be in-person and, depending on the space, STEM stakeholders may be able to have booths. Information will be available soon on the Navajo County website. Or you can contact me since I am on the mailing list.

Mark your calendars for March 29. Volunteers are needed for the Mellon Center Rock and Gem Show. This is a great outreach event and should be a really fun day.

Trivia - Often mixed up with pyrite, chalcopryrite is made of copper iron sulfide. One of the most important copper ores, 80 percent of the world's



copper is held in this mineral. Brassy gold in color and found in copper blooms, it trails in bright green over a rock surface like an ectoplasmic splatter from a visiting alien.

Happy Valentine's Day! Sending love to you all.

Sandra



TREASURER'S REPORT

January Expense	Upcoming Expense	Income This Month
<i>Rock Talk</i> Printing & Postage	Concho Mini Show	2025 Show Deposits
Rent for VFW meeting space	<i>Rock Talk</i> Printing & Postage	Silent Auction
Storage Unit Rent	Tax Preparation	50/50 Raffle

NOTICE: Last names A-L will supply the potluck table at the March meeting.

BULLETIN BOARD

February, month so small,
 Its days so quickly seem to fall.
 Twenty-eight or twenty-nine;
 The fourth year, then, is
 Leap Year Time!
 Happy February Birthday
 To:
Joe Devito



**Why not join our
 Let's Do Lunch Club**
Where: Johnny D's Pizzeria,
 directly across from Blue
 Ridge High School, Lakeside
When: February 27, 12:00
**Let's Celebrate Our
 February Birthdays!!**

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NOTICE:

The field trip this month (Feb. 22) will be to the Bullion Plaza Cultural Center and Museum. The Miami area has always been a mining community and their history is captured in the museum. Many wonderful specimens! We tend to hang out for a couple of hours and then head to lunch at a favorite Mexican restaurant. From there we can go to the Pickle Barrel Trading Post, Copper City Rock Shop, or hunt specimens at an onyx site north of Globe. Meet February 22 at the Show Low Chamber parking lot at 9:00 AM for a 9:15 departure. Any vehicle is acceptable.

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 Trimble	(928)892-5791 (520)400-6527	dtrimble076@aol.com
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	Rick Palmer	(928)333-5019	palmer57@frontiernet.net

Members at Large

Hope Rubi	(928)228-8851
Terry Pollard	(480)431-0686
Ursula Wilson	(928)532-5703
Carl Hickman	(928)536-3744

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: Karen Hickman

Springerville/Eager: Rick Palmer

Heber/Overgaard: Aimee Webster

WHITE MOUNTAIN GEM & MINERAL CLUB

MEETING MINUTES FEBRUARY 2, 2025

The meeting was opened at 1:28 PM with the Pledge of Allegiance. Welcome again Mike Adams and the Christmas/Hamilton duo to the Rock Club Family! Both had been away for a while.

For Show and Tell several club members had interesting things to share. Rollo showed a unique piece of petrified wood with two centers. Shelly showed some interesting cinders with yellow on it—identified as limonite. Hope showed us her fossilized coral found on the side of the road to Young under some power lines. Judy showed a rock tree of aventurine and jade made by Brookie.

Sandra explained that we are continuing to tweak the meeting agenda to make it more streamlined and member focused.

The field trip this month will be to the Bullion Cultural Center and Museum in Miami. (See Page Two in *Rock Talk*.)

For our program, Donna displayed the Geologic Map of Arizona and explained how to read a map with elevation marks. She also explained which rock types appeared where and how, describing it as the "Rock Cycle."

Announcements: B.G. is arranging a trip to the Silver King Mine. She has a relative who is willing to escort us through the mine site. It will be March 22 or April 26. The adventure requires high clearance and 4-wheel drive. We will carpool so everyone will have access to the site.

The Mellon Center Show in Concho Valley on March 29 is moving ahead. We have nine or ten tables accounted for with room for one or two more. There is no vendor charge. In addition to merchandise, each table should have an education component. Show hours are 10:00 AM to 3:00 PM. The Cowboy Way food truck will be there for lunch. Volunteers are needed to set up on Friday and assist on Saturday. Everyone should help promote the show, especially in the eastern communities. It's a major outreach opportunity. Show Chair Cathy Cargile reported on the club's

show scheduled for July 17-20. We still do not have a contract with the Elks Lodge. We have 52 tables already claimed.

The Tucson Gem and Mineral Show is scheduled for February 13-16. The show will be held at the Tucson Convention Center at 260 S. Church Avenue in Downtown Tucson, but vendors are everywhere especially on Twenty-second Street, and also on Oracle Road. The theme is "Green!"

Hope Rubi announced that the February "Let's Do Lunch Club" will meet at Johnny D's Pizzeria at 12:00 PM on February 27.

Door prizes were claimed by Cathy, who won a geode; Maria, who claimed a peridot; and Claire, who came away with a selenite rose.

Raffle prizes went to Kristie, who won \$43; Sharon, who won a pendant; and Mary, who came away with a fish fossil.

The January meeting minutes were accepted as presented in *Rock Talk*.

Treasurer Kim Whitley reported that the club continues to be fiscally stable. (For further information see Page Two in *Rock Talk*.)

President Sandra Angelo reported that the STEM Fair this year will be virtual the second week of March. They still need donations and sponsors. We sponsor this event financially and with judges.

Sandra needs help with year-end prizes, both in collection and wrapping prior to the holiday party. Club members could even be keeping an eye out for any nice gifts for \$10-12. If you wish to contribute, please check with Treasurer Kim Whitley via text to ensure funds are available.

It was agreed to allot \$200 for the Mellon Concho Show budget.

Rollo will be the speaker for March.

There being no further business to discuss, the meeting adjourned at 3:17 PM.

Respectfully submitted.

Shelley Applegate, Secretary



ROCK OF THE MONTH READING A GEOLOGICAL MAP

By
Donna Pollard

This month I decided to focus on a presentation on surface features versus geological mapping as given in our club meeting of February 2, 2025. My emphasis in that presentation was to recognize that what we may see at the surface of the earth may be very different from what we see under the surface. Whether differing mineral or rock layers, or the orientation of those layers, mapping of the surface and sub-surface can reveal many surprises.

As a geology student at the State University of New York (SUNY New Paltz), my Geologic Structure Class was tasked to map a section of lakes in the Rosendale area of New York. Upon close inspection, it was clear that this was a folded area, either an anticline where the fold points upwards (like an "A"), or a syncline where the fold points downward (like a "U").

We spent several weeks gathering geologic information in the area, examining the strike (direction of the layers compared to the surface), and the dip (how the layers dipped into the ground compared to the surface). While I won't reproduce the complete report here, I will summarize it.

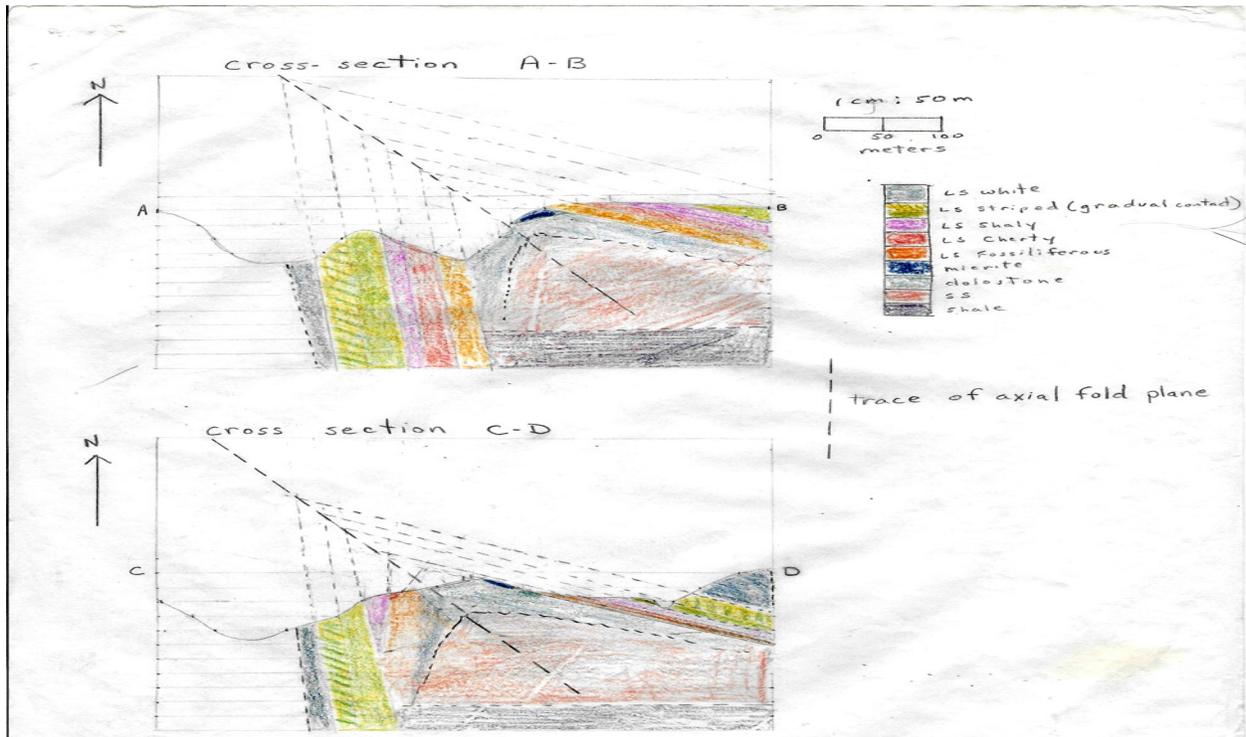
The surface had a string of five lakes called the Binniwater Lakes. The rock formations around and under the lakes were sedimentary rock, various limestone, sandstone, and shale layers dipping into the earth. Normal common sense might tell a person that the layers must dip into the earth as a syncline (a "U" shape), because the lakes on top are in depressions (basins).

My investigation of the strike and dip of those layers did not follow normal common sense. The layers dipped away from the lakes which was an indication that the area was not a syncline but instead, an anticline that eroded and weathered flat at the surface of the earth, with the lakes forming afterwards as the stream eventually forming the string of lakes eroded into the top of the anticline.

Our class was roughly divided in half as to the correctness of this determination. Some, even after learning this direction of the area's rock layers, refused to believe it. They could not justify what they saw at the surface with what investigation of the sub-surface told them. They decided that their investigation was wrongly done, getting the wrong answers because of using the strike and dip tools incorrectly, or transcribing the data wrong.

Sadly, about half of the class did not pass this exercise. My data, along with others who concluded the same answer, were correct. Those that could not justify the difference between the surface and sub-surface were wrong and their grade for the exercise confirmed that. This was a long time ago, but it still is something I learned from and remember clearly. I have kept my report and have included one of the maps here. I hope you found this interesting, and as educational as I did way back then.

(See map on next page)



By
Cathy Cargile

MELLON SHOW INFO & UPDATE

A Message to Club Members

Those who are volunteering and vending are **to wear our club badge** so our guests will know who you are and will know that you are a club member.

Two or three club member vendor tables are available at no cost. Call Cathy (714) 348-9162 to reserve.

A few (four to six) more volunteers are needed to help out at our Gem Show at Mellon Center. (See details in this newsletter.)

We could use some tumbled rocks for giving to our guests as well as for prizes at the spinning wheel. Please bring what you can donate to the March meeting.



YOU ARE INVITED
BY JEN AND TROY BOSWELL
OF
TWIST OF NATURE

Please come see us if you are attending the Tucson Show! From January 31 through February 16 we will be at Smokey's Miner's Co-op at Ina Road and I-10 in the Mike Jacob Sports Park just west of the freeway.

(Twist of Nature is one of the regular vendors at the WMGMC yearly shows)

GEM & MINERAL SHOW INVITATION



WHERE:
Mellon Center
Concho, AZ

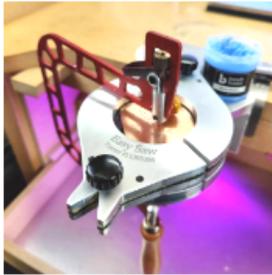
DATE:
SATURDAY
MARCH 29, 2025

TIME:
10:00 AM to
3:00 PM

Free Admission--Fun For All Ages!!

- ✓ Children are welcome with adults.
- ✓ Games & educational activities for ages 5-105.
- ✓ Displays of fluorescents, copper-related ore, rocks that look like food & other interesting specimens.
- ✓ Food trucks on site with great lunch food!
- ✓ GOLD—Learn how to pan for gold & recognize fool's gold.
- ✓ Give our spinning wheel a whirl and see what you win!
- ✓ VENDORS selling jewelry, gold, & rock specimens; fossils, crystals, hand-crafted trees of life & more!
- ✓ Attendees will be invited on a field trip with the White Mountain Gem & Mineral Club.

Show presented by White Mountain Gem & Mineral Club Non-profit 501(c)3



Spare Your Hands And Work Smarter Easy Saw

Whether you're a seasoned jewelry making pro or a passionate novice, the Easy Saw Rotating Clamp is here to make your sawing journey smoother, smarter, and more precise. This game-changing tool features:

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EDITOR'S NOTE: For more information, go to www.easyrotatingclamp.com. They have various kinds, sizes, and prices for their rotating clamps.

WHITE MOUNTAIN GEM & MINERAL CLUB CALENDAR OF EVENTS 2025

**TIPS FOR FIELD TRIPS WANTED!
PLEASE LET US KNOW OF ANY PLACES THAT
WOULD BE GREAT FOR OUR OUTINGS.**

MONTH	MEETING DATE	FIELD TRIP DATE	ACTIVITIES
JANUARY	5	11	Globe, Gila County Show
FEBRUARY	2	22	Bullion Center, Miami
MARCH	2	22	3/29—Mini Show, Concho
APRIL	6	26	4/06—Geologist Day
MAY	4	24	BLM land, Concho 5/17—Highway Cleanup
JUNE	1	21	
JULY	6		7/11—DaVinci Day Medieval Mayhem
ANNUAL SHOW: July 17—20 Show Low Elks Lodge			
August	3	23	
September	7	27	9/16—Collect Rocks Day 9/20—Highway Cleanup
October	5	25	Trunk or Treat 10/12—Harvest Fest
November	2	22	
December	7		Holiday Party



MEMBERSHIP APPLICATION

PO BOX 3504
SHOW LOW, AZ 85902

DATE: _____ NEW _____ RENEWAL _____

Printed Name(s): _____

Phone(s): _____ Brass Name Badges (\$5 each) _____

Mailing Address: _____ City: _____ Zip: _____

E-mail Address(s): _____

Type of Membership: Single (\$20) _____ Couple/Family (\$25) _____
(\$5 deduction if getting newsletter by E-mail)

Please send club newsletter by: E-mail _____ US Mail _____

May we have birthdays? (Month Only) _____

List any junior members you would like to sponsor (No added fee):

1. _____ Age: _____ 2. _____ Age: _____

3. _____ Age: _____ 4. _____ Age: _____

Signatures: _____ Date: _____

Seasonal members, please list alternate address and months of residency:

Address: _____ City: _____ Zip: _____

Months: _____ Phone: _____

Clarkdale Rocks Gem & Mineral Show

February 21-23, 2025
Clark Memorial Clubhouse
Auditorium
19 N Ninth St -- Clarkdale, AZ



DESERT GARDENS ANNUAL ROCK, GEM & MINERAL SHOW

JAN 1 - FEB 28 • EXIT 17 - QUARTZSITE

OTHER UPCOMING SHOWS



ARIZONA

March 1-2, 2025—ANTHEM, ARIZONA: Annual show; Daisy Mountain Rock and Mineral Club; Anthem School, 41020 N Freedom Way; Sat. 9-5, Sun. 10-4; Adults \$5, Seniors, Vets and Students \$4, Children under 12 free; Vendors Included: Rocks, Minerals, Crystals, Slabs, Jewelry, Beads, Kids Corner, Raffle; contact Tiffany Poetsch; Email: dmrclub@gmail.com; Website: www.dmrclub.com

NEW MEXICO

March 14-16, 2025—ALBUQUERQUE, NEW MEXICO: Annual show; Abq. Gem & Mineral Club; Expo NM State Fairgrounds, 300 San Pedro NE; Fri. 10-6, Sat. 10-6, Sun. 10-5; Fri \$2, Sat & Sun \$5, kids under 13 are free; 50 dealers, mineral specimens, rough, slabs, jewelry, cabochons, beads, fossils, petrified wood, tools, equipment. Door prizes, silent auctions, junior table, displays; contact Roy McKinney, (505) 715-1038; Email: show-chair@agmc.info; Website: www.agmc.info

ALL KINDS OF FUN AT THE GILA COUNTY GEM & MINERAL SHOW!



AROUND AND ABOUT IN THE MEETING ROOM

