



ROCK TALK

White Mountain Gem & Mineral Club
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Vol. 27, Issue 3
 March 2023

PRESIDENT'S LETTER

It was wonderful seeing so many at this month's meeting. Good to see you Thelma and Blue. You two have been away far too long. Congratulations Cathy and Ron. We wish you many joy-filled years together. Thanks to Carol, Debbie, and Othello for judging at the STEM Fair. Thank you, Karen and Carl, for manning our information table and providing such an interesting display. A number of membership applications were handed out as well as tumbled rocks.

We had the privilege of participating in this year's regional STEM Fair. There are some very creative young scientists and engineers out there. Particularly impressive were the entries from Pinon High School. Carol hopes to have some of the participants discuss their projects at an upcoming meeting. It looks like we may be handing out a scholarship or two to the State STEM Fair.

For any of you interested in global relationship, AYUSA is looking for host families for two French high school students. If you think you may want to host one of these young ladies contact Shari Claus on 928.587.6160.

NEW RAFFLE! There is a new opportunity to win some really spectacular specimens. Tickets

are five dollars each and the raffle will run over two months. [See page 6 for details]

IMPORTANT! WE NEED SOMEONE TO LEAD THIS MONTH'S FIELD TRIP. I would, but the White Mountain Symphony Orchestra is performing that day. The thought was to go to Diamond Point for crystals and possibly the Paleo site for fossils. If no one steps up, we will need to cancel the trip. Or if you want to lead a trip someplace else this month (March 25), please let me know ASAP and we will get the word out to the membership.

REMINDER! ANNUAL MEMBERSHIPS MUST BE RENEWED NO LATER THAN THE END OF MARCH. Don't risk being removed from the roster and losing your club privileges.

Trivia - Corundum is a tough cookie second only to diamond in hardness. It is used as sandpaper abrasive and to machine metals. It also is the choice jewel for kings and emperors as rubies and sapphires.

Spring is coming -Really! Enjoy the longer and warmer days.

Have a great month—
 Sandra

TREASURER'S REPORT

Current & Upcoming Expense

Website security
 Bank fees
 STEM Fair
 Printing promotional material for STEM
 Annual Show
 Rock Talk printing & postage
 Post Office box

Income This Month:

Member dues
 Vendor registration for 2023 Show
 Silent Auction
 Fifty/Fifty

BULLETIN BOARD

MARCH FIELD TRIP INFO

By Sandra Angelo

The suggested March field trip is to Diamond Point. With all the weather we have been having, there should be a new crop of diamonds to find. However, without a trip leader this month the trip will need to be cancelled. If you can step up for this month, contact me ASAP and we can get an announcement out to the membership. Or if you have someplace else in mind, that is fine too. Just let me know at 927-537-3726. Thanks.



Diamond Point near Payson is a favorite spot for rock-hounds. The beautiful crystals found in this area are so clear they resemble Herkimer diamonds. Keep an eye out for a glint of light reflecting off the stones, in streambeds or areas recently washed over by rainfall. **A special gem quality form of doubly terminated quartz crystals found only in the hills east of Payson Arizona**, the smaller ones closely resembling natural diamonds.

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DON'T FORGET

→ Members whose last names begin O-Z will host the April meeting potluck

→ March is deadline for club membership renewal. Get yours in now if you haven't already done so.

→ "LET'S DO LUNCH CLUB" meets Friday, March 31 at 1:30 PM at the new Buffalo Bills on Clark Road (HWY 260) in Show Low. We will celebrate March birthdays with cake. (If you have a March birthday, call Hope Rubi at 928-228-8851)

→ 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 Viney	(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 Moton		
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 MARCH 5, 2023

The meeting was called to order by President Sandra Angelo at 1:30 PM. After the Pledge of Allegiance, members and guests were welcomed. Thelma Gray and Blue Thompson were welcomed back after a long absence.

For "Show and Tell," Othello Ayem shared petrified wood and fossils from the Joseph City field trip. Judy Harrell shared specimens collected at the Deaf Camp. She also showed Apache Tears and Diamond Point crystals from her collection.

The minutes of the February meeting were accepted after the misspelling of two words were mentioned.

Treasurer Carl Hickman presented the club's financial report and stated that the club is in good financial standing. He also mentioned that the club may be considering sponsoring a Pinion High School student to attend the state STEM fair.

President Sandra Angelo reported on the club's attendance at the STEM Fair on Saturday March 4 in Snowflake. Club members distributed club information to participants and participated as judges. The Pinion High School science teacher agreed to bring some students to share some of their very impressive projects to our April meeting. Sandra mentioned that club member Peggy Lancaster is recovering from pneumonia and doing much better.

The club still needs two volunteers: one for field trip chair, and one for assistant chair. Please contact Sandra if you are interested in either of these positions. A current most urgent need is a leader for the upcoming March trip. Volunteers are needed for single trips until a permanent trip leader can be found. One suggestion for the March trip is Diamond Point and the fossil site near Payson. Please contact Sandra if you are available and willing to lead the March trip.

Diane Moten has been working on a special raffle that will run for several months. The first item is a large amethyst point measuring approximately four by six inches. Suggested amount of raffle tickets was five dollars each. A unanimous vote was approved to sell the raffle tickets for five dollars each with the raffle running for two months.

Carl Hickman reported that 13 vendors have purchased 48 tables for the July show, and a vendor placement map will be available soon. Shirley Leistikow will purchase large bags for the raffle baskets, the themes for which will be barbeque, pets, car wash, date night, gardening, kids, and spa/salon. As members bring basket items in, they will be collectively added to the baskets. For further information on the show, see Page 7 in *Rock Talk*.

Debbie Christmas reported that peridot is no longer available to non-reservation members in San Carlos. However, the mine owner has offered a special deal to the Anthem Club. The offer includes a price of five dollars for an empty bucket plus \$50 to fill it up, for a total of \$55. Since Debbie is a member of the Anthem Club, she will get more details about the specimens being offered and follow up next month to see if there is any interest.

Debbie also reported that this year's Rocky Mountain Federation annual meeting/convention is scheduled for July 13-16 in Casper, Wyoming, the same weekend as our gem show. Sandra said that she will reach out to club member George Putnam, who lives in Wyoming, to see if he could represent us as a delegate.

Carl mentioned that there is a need for host families for foreign exchange students and one student is interested in being placed with a host family interested in rocks and gems. Carl has contact information for anybody who might be interested.

(Continued on Page 5)

(Minutes, continued from Page 4)

Blue Thompson announced that she recently won 40 acres of land that lies adjacent to the Petrified Forest. She has not yet explored all of this property and there may be a future field trip to her land to explore.

Door prize drawings were won by Brookie Embry, Thelma Gray, and Beverly Willmon.

For the monthly program, Debbie Christmas presented photo slides from the 2023 Tucson Gem Show - "Agates, Opals, and Quartz, Oh, My!"

Judy Harrell won the 50/50 prize of \$61.50. Additional raffle items were won by Mary Johnson and Megan McDonald.

There being no further business to discuss, the meeting was adjourned at 3:15 PM. The next regular meeting will be held on April 2.

Respectfully submitted,

Debbie Christmas, Secretary

FEBRUARY FIELD TRIP

Photos by Donna Pollard

Article by Othello Ayem

Joseph City, Arizona was the destination for our February 25 field trip. Fourteen of our club members gathered at Bashas' in Taylor and travelled to the collection site in Joseph City with views of the Cholla Power Plant. A service road, located right off the highway along a row of power lines, contains an unsuspecting smorgasbord of specimens. Our members were able to collect several varieties of petrified wood, agates, and jaspers. Some members were even surprised to happen across a fossil or two! Though the weather this morning was brisk and slightly windy, the ground was dry and it was a beautiful day for a trip. Surface collecting was easy and very abundant. Everyone seemed happy to get out of the snow and into the field to collect a variety of specimens this month.



A REALLY, REALLY GOOD DEAL!

W

ant a chance on a really
spectacular specimen
or rock-related item? We are having
our first rolling raffle.

Tickets are \$5 and the raffle will run for two months.

The first item is a very amazing amethyst crystal.

For those of you who do not make it to
the meetings but would like a chance
to win this specimen, you can send in a check
for the number of tickets you want.

The drawing will be held at the May meeting.

Photo By
Donna Pollard



Amethyst point for
club auction \$5.00 per
ticket

ON AROUND AND ABOUT THE LOCAL GEM SHOW CIRCUIT

MARCH 17-19—ALBUQUERQUE, NEW MEXICO: Annual show; Albuquerque Gem & Mineral Club; Expo NM State Fairgrounds, 300 San Pedro NE; Fri. 10-6, Thu. 10-6, Sun. 10-5; Fri. \$2, Sat. & Sun. \$5, kids under 13 Free; Treasures of the Earth Gem, Mineral, Jewelry Expo, in the Creative Arts Bldg. Enter Gate 3 @ San Pedro and Copper. 50 + dealers, mineral specimens, jewelry, cabochons, beads, fossils, slabs, rough, petrified wood, tools, equipment Door prizes, silent auctions, junior table, displays; contact Paul Hlava, 505-850-7524; Email: paulhlava@q.com; Website: www.agmc.info

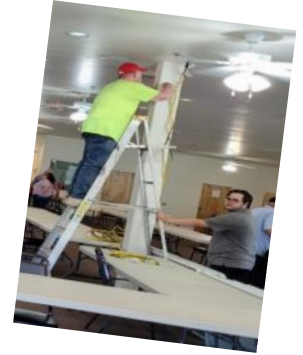
MARCH 25-26—TRUTH OR CONSEQUENCES, NEW MEXICO: Annual show; Sierra County Rock and Gem Society; Sierra County Fair Barn, S Broadway St @ Hyde; Sat. 9-5, Sun. 10-4; Free; Rough & Finished Rock, Slabs, Cabs, Beads, Jewelry, Petrified Wood, Fossils. Field Trips, Presentations, Demos. Gold and Sapphire Panning. Wheel of Fortune. Family Friendly. Door Prizes; contact Dan Lorimier, (575) 740-2927; Email: scragssierracounty@gmail.com; Website: scraggs.org

MAY 6-7—KINGMAN, ARIZONA: Annual show; Mohave County Gemstoners; Mohave County Fairgrounds, 2600 Fairgrounds Blvd; Sat. 9-5, Sun. 9-4; Free to All; Rock & Gem and Mineral Show, Indoors, Lots of Free Parking, Door Prizes, Silent Auction, Treasure Box Raffle; contact Daina Sandhop, (425) 268-9983; Email: ddaes1961@hotmail.com

PROGRESS AND PLANNING UPDATE GEM & MINERAL SHOW 2023



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



We are making great progress on our planning for our Gem and Mineral Show in July. **THANK YOU** to all who have stepped up and offered help! It is **GREATLY** appreciated.

The show dates are Friday July 14 through Sunday July 16. Setup at the Elks' Lodge will be on Thursday July 13. Hope you will put these dates on your calendar!

Terry Pollard, Mike Sobeleski, Greg Wyman, Donna Pollard, Ron Cargile, and I met at the storage unit right after our Sunday meeting on March 5 to see what signs and banners we have and what repairs or upgrades will be needed. Greg will do some research for supplies we will need. Terry and Donna will be looking at a map of the White Mountain area to determine where we will post signs or banners so we can get a count of exactly what is needed. If any members have property bordering busy streets and are willing to have signs or banners posted please let us know. With a three-day show, getting the word out and the public in is crucial!

Megan McDonald created three lovely and very artistic samples of potential new logos. We are very close to narrowing it down and selecting our favorite. Thank you, Meg!!!

Shirley is in charge of creating our themed baskets that will be raffled on Sunday afternoon of the show at 2:00 PM. Winners need not be present but will be called and given an appointment to pick up their winning baskets. Shirley requests that anyone donating items to the baskets to please bring them to our April meeting. We could use themed items that would attract bidders including rock-related items and rock specimens.

Carol Glick would be thrilled to receive small rock specimens for use in Kid's Corner for the rock collections or for use as spinning wheel prizes. Keep those tumblers running!

Carl created two donation letters that can be given to local shop owners and business managers who wish to donate gifts, services, or gift certificates. They can be emailed to you to print out or you may pick up several at the April meeting.

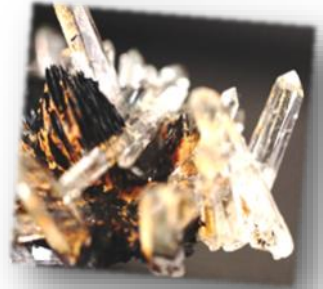
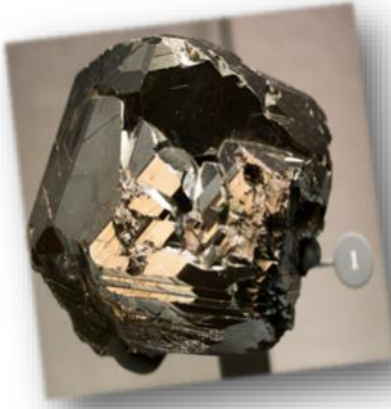
Carl has done a great job of soliciting vendors and following up. We now have 13 vendors and 48 tables paid and confirmed. If you know anyone who may wish to participate as a vendor, now is the time to reach out to them as our final Gem Show 2023 vendor registration date is Friday May 19, which will be here before we know it.

Please consider volunteering for one of the show activities. At the April meeting we will begin the sign-ups for various slots of volunteer time during the three days of the show and the day before of setup. We need and want your help to take this show over the top!

ROCK OF THE MONTH

HEMATITE

By Donna Pollard



Hematite is Fe_2O_3 , an iron oxide. It is one of the most abundant minerals on earth and is one of the most important ores of iron, composed of about 70% iron.

Hematite is a member of the hexagonal crystal system, crystals are tabular, semi-prismatic, or stubby rhombohedral, often with curved or striated faces, and may be iridescent. Hematite can also be laminated, columnar or massive. It is often found in striking mammillary or botryoidal shapes as tightly formed, rounded structures with a smooth fracture and banded interiors. These structures are called kidney ore because they look like animal kidneys. A lovely form of hematite has crystals that are arranged like petals on a rose, called hematite rosettes. Another bright version of hematite is specular hematite, made up of tiny micaceous type metallic flakes.

For a metallic ore, hematite is quite hard at 5-6 hardness (H). The specific gravity (S.G.) is 4.9-5.3 which is twice as heavy as a same size piece of quartz. It is opaque. The fracture is usually uneven and brittle. The color of hematite is steel-gray to black, though massive varieties may be dull to bright red, soft and earthy. The streak is red to reddish brown. Hematite often colors other formations with its red (ochre) shade. The Painted Desert of Arizona is colored with hematite.

Hematite forms in various ways. It forms in hydrothermal veins from percolating iron and silica-rich heated water. It is often seen as an accessory mineral in igneous rocks, particularly lavas, or exhaled in gases from volcanic activity. It is widely occurring as a sedimentary rock. The vast iron ranges of Lake Superior, Wisconsin, and Michigan are of sedimentary origin. Hematite forms in oxidizing conditions, often from the chemical and physical changes in limonite found in sediments. It is also found in large deposits of disseminated minerals where the small pieces of hematite and other metallics, such as copper, fill any space in a formation such as granite. Arizona is rich with disseminated deposits.

Hematite is so common it would be hard to find a place on earth where it cannot be found. Oolitic (small rounded ball) deposits of hematite are found in Tennessee. Beautiful crystals are found on the Island of Elba; Tuscany, Italy; Cumberland, England; and Brazil. Iron crosses are found in Switzerland. Hematite that has replaced magnetite crystals, called Martites, are found in Twin Peaks, Utah; Lake Superior; and Quebec. Reniform (kidney shaped) masses are found at Aztec Peak in Gila County, Arizona and in just about any wash in the state. Brilliant black crystals are found in Bouse, Arizona, and in the Bradshaw and Wickenburg Mountains of Arizona. Red and black druzy crystals are found in Edwards, New York.

The name, hematite comes from the Greek Haimatites, meaning blood-like, for the streak color. Besides being an important iron ore, it is also used as a red pigment, and a polishing powder. The Chinese used powdered hematite mixed with red clay as a medicine for various ailments. The mineral is also cut into cabochons and beads for semi-precious jewelry.

White Mountain Gem & Mineral Club

PO Box 3504
Show Low, AZ 85902

Membership Application

Please Print and Complete Both Sections

Brass Name Badges _____ (\$5.00 each) Date: _____

New _____ Renewal _____

Name(s): _____ Phone: _____

Address: _____ City: _____ Zip: _____

Type of Membership: Single (\$20.00) _____ Couple/Family (\$25.00) _____
(\$5.00 deduction if getting newsletter by E-mail)

White Mountain Gem & Mineral Club Membership Application

Type of Membership: Single (\$20.00) _____ Couple/Family: (\$25.00) _____
(\$5.00 deduction if getting newsletter by E-mail)

Printed Name(s): _____

Phone: _____ Spouse Phone: _____

Mailing Address: _____ City: _____ Zip: _____

E-mail Address: _____

Spouse E-mail Address: _____

May we have birthdays? (Month Only) _____

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

List any Junior Members you would like to sponsor (No added fee):

1: _____ Age: _____

2: _____ Age: _____

3: _____ Age: _____

Signature(s): _____ Date: _____

Seasonal members please list alternate address and months of residency:

Address: _____ City: _____ Zip: _____

Months: _____ Phone: _____

White Mountain Gem & Mineral Club Calendar of Events for 2023

Meetings:

Our meeting hours are:

1:00 PM for social gathering and potluck

The meeting begins at 1:30 PM.

Field Trips:

We need volunteers to plan field trips!

MONTH	MEETING	FIELD TRIP	HIGHWAY CLEANUP
January	8	21	
February	5	25	
March	5	25	
April	2	22	
May	7	27	20
June	4	24	
July	2	22	
ANNUAL SHOW: July 14-16 Show Low Elks Lodge			
August	6	26	
September	3 (picnic)	23	16
October	1	21	
November	5	18	
December	3	16	



