



ROCK TALK

White Mountain Gem & Mineral Club
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January 2023

PRESIDENT'S LETTER

Happy New Year! It was wonderful seeing so many at our meeting. Welcome new member Larry. Thanks, Donna, for sharing your look-alike minerals for show and tell. Thank you, Meg, for taking on the responsibility of snail mail. Thanks, Carl, for making sure the newsletters made it in the mail these past few months. Thank you, Donna and Terry, for agreeing to be our new silent auctioneers. Super selection of specimens this month! Thank you, Loren, for your gold nugget donation. It added even more flash to the auction! We are off to a good start.

We do need two field trip co-chairs. We have a book of collecting locations prepared by Eunice and Karen so the new chair is not starting from ground zero. Until then, a volunteer for each month will be greatly appreciated. This month we will be heading to Miami to the Bullion Cultural Center and Museum.

Our new Board will be meeting January 20 from 1:00 -3:00 PM at the Show Low Senior Center. The address is 301 E. McNeil. All club members are welcome to attend the meeting.

Trivia: Garnet is a metamorphic marvel that comes in many colors. Found all over the world, there are 15 different types of this semi-precious gemstone. It is often described as a poor man's ruby.

Kudo's to Caitlin who presented our program this month. This is the program she presented to a number of classes in her grade school. Way to go Caity!

Have a terrific month.

Sandra

TREASURER'S REPORT

Expenses Last Month

Newsletter printing and postage
Expenses for Christmas party

Income Last Month:

Member dues
Vendor registration for 2023 Show

NOTICE:

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

NOTES OF INTEREST

EDITOR'S NOTE

Hello everybody. Here it is a brand new year and here we are! And by now you have noticed that your *Rock Talk* newsletter has a new look. (What can I say? We women like to change things around every now and then!)

First of all, you will see a new page (this one) which will contain a table guide to the newsletter contents. By now you have seen the title "Extended Pages" and you are wondering what this is about. We have had many requests for more photos of club activities. In order to do this, it would be necessary to add more pages. This would increase the cost of publishing and postage for those who prefer to have their newsletters mailed to them. So it was determined that we could send out two different newsletters; the e-mail edition with one or two extra pages of photos and the regular edition with all the information contained. For those of you who receive by mail, the extra pages will always be available at the monthly meetings.

Another new page has also been added. This is titled "Buy, Sell, Trade." It is for members who might be looking for a certain kind of specimen or a special tool. Also for those who have too many specimens or tools and would like to trade or barter. I might be able to squeeze it into the first nine pages for all to see. If you have any questions, let me know!

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JANUARY FIELDTRIP

Join us for the first field trip of the year to Bullion Plaza Cultural Center & Museum in Miami, Arizona. We will meet in the parking lot next to the Show Low Chamber of Commerce on January 21 at 8:45 AM. We will depart for Miami about 9:00 AM. The Museum hours are 11:00 AM to 2:00 PM. The docent has bragged about the newly expanded mineral display. Other things to do include a stroll through historic Miami, a visit to the Pickle Barrel Trading Post, exploring the local rock shops, and dining at one of the many restaurants. See you on the 21st.

**DON'T FORGET—WE NEED
TWO TRIP CHAIRS!!!!!!**

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	(623) 326-8330	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

Thelma Gray	(928)532-1771
Terry Pollard	(480)431-0686
Ursula Wilson	(928)532-5703
Shirley Leistikow	(623)261-5452

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	Peggy Lancaster	(623)262-3859	
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 JANUARY 8, 2023

The meeting was called to order by President Sandra Angelo at 1:30 PM. After the Pledge of Allegiance, new member Larry Patterson and guest Othello Ayem were welcomed by the club. Sandra welcomed and introduced the 2023 new board members as previously posted in the newsletter:

President - Sandra Angelo
 Vice President - Carol Glick
 Second Vice President - Rick Palmer
 Secretary - Debbie Christmas
 Treasurer - Carl Hickman
 Newsletter Editor - BG Hogarth
 Members at Large - Dick Turpin,
 Ursula Wilson, and Terry Pollard

Sandra recommended Shirley Leistikow to be appointed as the fourth member at large. This was accepted and approved with a unanimous aye vote.

For Show and Tell Donna Pollard shared several gypsum, quartz, and hemimorphite specimens with the same appearance. These specimens are more distinguishable based on their MOHS hardness factors.

December's minutes were accepted as written in the newsletter; no corrections or additions were required.

Carl Hickman gave the Treasurer's Report. The club currently operates on the Austerity Budget; only expending minimal expenses. Any items over \$50 are to be taken to a Board vote for approval.

Board Reports: Cathy Viney asked committee chairs for the 2022 gem show to contact her for confirmation to continue their roles for the 2023 Show. She asked all members to please call or text her if there is an area in which you would like to volunteer for this year. There are currently six or seven vendors committed to the 2023 show. An effort will be made to set up signage prior to the event to increase attendance.

Sandra mentioned that David Adams is still caring for his wife Bonnie in her recovery. Cards and well wishes from members would be appreciated. We still need volunteers for two field trip coordinators. In the meantime, anyone can volunteer to step up to lead on a month-to-month basis. We continue to partner with the city chambers. Sandra attends the chamber meetings and welcomes anyone else who may be interested.

Sandra reported on plans for the January field trip. For details, see Page 2 in **Rock Talk**.

For old business, Sandra reminded those present that the board may need to review the club's by-Laws to be sure that a current copy is available.

For new business, Sandra stated that the club's board meeting will be Friday, January 20 at 1:00 PM at the Show Low Senior Center. The agenda will include reviewing the upcoming calendar, bylaws, open positions, and budget.

Announcements: Hope Rubi stated that "The Let's Do Lunch Club" will be held Friday, January 27 at 1:30 PM at Mr. Zeke's in Pinetop. We will celebrate January birthdays with cake. All are welcome.

For the door prize drawing, Karen Hickman won the 50/50 raffle of \$50.00. Additional raffle winners were Malcom Glick, Carol Glick, Beverly Willmon, and Mary Johnson.

A motion to adjourn meeting was made by Beverly Willmon with a second by Cathy Viney. The meeting was adjourned at 3:15 PM.

Respectfully submitted

Debbie Christmas, Secretary



ROCK OF THE MONTH

HEMIMORPHITE



By Donna Pollard

Hemimorphite is a sorosilicate meaning the silicate to oxygen ratio is 2:7. A common silicate, like quartz, SiO_2 , has a silicate to oxygen ratio of 1:2. Hemimorphite has a formula of $\text{Zn}_4\text{Si}_2\text{O}_7(\text{OH})_2 \cdot \text{H}_2\text{O}$, a hydrated zinc silicate. The name is derived from the Greek 'hemi', half, and 'morphe' form. It was named because one end of a crystal is pointed and the other is flatter. The original name was calamine.

Rarely in distinct crystals, hemimorphite is usually in small, thin, tabular crystal form. It can also be fibrous, radiating crusts, mamillary, stalactitical, compact grains, or in radiating tight fans that look like velvet. When hemimorphite is found as large crystals, one to two inches or so, the crystal is colorless and transparent. More common colors occur when other minerals infiltrate the crystal lattice (structure) of the much smaller hemimorphite forms. These colors are blue-green from copper, or white, yellow, or brown from hematite.

The hardness is 4.5 to 5, specific gravity is 3.4 to 3.5, heavier than quartz but lighter than smithsonite, streak is white (appearing colorless), fracture is uneven, cleavage is perfect, and the mineral is somewhat fragile. Interesting features of hemimorphite are that heating causes pyroelectric features which means a voltage can be generated from the heating, and pressure causes piezoelectric features meaning electricity can be generated from the pressure. These features involve the movement of atoms in the crystal lattice.

Hemimorphite is found in low temperature, close to the surface, oxidation zones of zinc and lead deposits. It is also found in disseminated (spread out) hydrothermal replacement deposits of the same minerals. It is associated with smithsonite, cerussite, sphalerite, galena, hydrozincite, and hematite.

A famous place for the large, clear crystals is the Ojuela Mine, Mapimi, Durango, Mexico. Locally, small colored hemimorphite can be found in the Globe-Superior area, and in the old mines in the Dripping Springs mountains. Sterling Hill, Ogdensburg, New Jersey; Granby, Missouri; Leadville, Colorado; and Friedensville, Pennsylvania are other USA locations.



ON AROUND AND ABOUT THE GEM SHOW CIRCUIT LOCAL



JANUARY 13-15—GLOBE, ARIZONA: Annual show; Gila County Gem & Mineral Society Inc; Gila County Fairgrounds, 900 Fairgrounds Rd; Fri. 9-5, Sat. 9-5, Sun. 10-4; \$3 single adult, \$5 a couple and kids free; LOTS OF CHILDREN'S ACTIVITIES ** DEMONSTRATORS AND VENDORS LAPIDARY EQUIPMENT/TOOLS **40+ SPECIMEN DISPLAYS HOURLY DOOR PRIZES ** AND MUCH, MUCH MORE!! PRESENTATION FOR ALL AGES SPECIAL GUEST JOHN O'BRIEN - WHAT IS A FOSSIL @ 1PM FRIDAY, SATURDAY & SUNDAY ; contact Jodi Brewster, (623) 810-9780; Email: jodibrewster66@gmail.com; Website: gilagem.org

JANUARY 18-22—LAUGHLIN, NEVADA: Show and sale; Shows of Integrity; Tropicana Hotel and Casino Pavilion, 2121 Casino Dr; Wed. 10-5, Thu. 10-5, Fri. 10-5, Sat. 10-5; Please check with event for admission details; Sunday 10-5 Daily Door Prize Drawing; contact Terry James, (903) 815-5957; Email: info@showsofintegrity.com; Website: www.showsofintegrity.com

JANUARY 25-FEBRUARY 5—TUCSON, ARIZONA: Wholesale and retail show; JOGS International Exhibits; Tucson Expo Center, 3750 E Irvington Rd; Fri. 10-6; \$15; contact Yelena Masenko, (213) 629-3030; Email: info@jogsshow.com; Website: jogsshow.com/

FEBRUARY 2-4—TUCSON, ARIZONA: Show and sale; United States Faceters Guild; Old Pueblo Lapidary Club, 3118 N Dale Ave; Thu. 10-5, Fri. 10-5, Sat. 10-9; See website for admission details; A great event to learn faceting, or hone your skills, presentations on dopping, heating, using software, stone evaluation, machine demonstration, door prizes, stone competition, and the Faceters Hob Nob to finish it off Saturday night; contact David Smith, 520-907-5527; Email: David@beadholiday.com; Website: USFacetersguild.org



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.

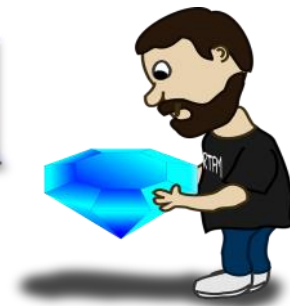
Field Trips:

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	



Buy, Sell & Trade



Looking for a specimen or
piece of equipment
to complete your
collection?

Or maybe you would
prefer to sell or trade
Some “extras” that
are taking up space?

Then THIS is your opportunity!

CONTACT

B.G. Hogarth

hogarths@citlink.net

AROUND AND ABOUT THE MEETING ROOM



Our 2023 Officers



Council members and show chair



Our three new or almost new members



Historian



Vital volunteers