

# ROCK TALK



**WHITE MOUNTAIN GEM AND MINERAL CLUB**  
SHOW LOW, ARIZONA

White Mountain Gem & Mineral Club  
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## PRESIDENT'S LETTER

**W**hat a great meeting! So wonderful having so many present. Thanks for stopping by Dave. We miss seeing you. Give Bonnie a hug from us. Glad you were able to join us, Steve. Many think you are a figment of my imagination. Welcome to our six new members! Regina, Dustin, Kim, Garrett, Vicki, and Natalee, we are glad you have decided to play with us.

Sadly two of our club members aged out this past month. Nanz Marshall held many positions in our club including several terms as president. One of her favorite activities was putting her touch on the Kidz Corner at the annual show. Bill Stalder was our auctioneer for many years. He also brought mini rock shows to the local schools. He gave away many sharks teeth and steel pennies minted the year he was born. Later he and Linda became greeters. Both Nanz and Bill used their talents to make the club a better place. We will miss them both.

Now that Thelma and Diane have recovered from their hip replacements, they have agreed to be greeters again. Thank you ladies. And thank you Rick for manning the fort while they were away.

Thelma has another distinction. Our club by-laws were modified to allow life membership to members at 90 years of age. Happy Birthday, Thelma!

The Regional STEM Fair is later this month. Our club has been a supporter for many years with both monetary donations and judges. Thank you, Debbie C for agreeing to be our club liaison this year. If you are interested in participating, contact Debbie. The date is February 24.

Trivia. Fluorite is a colorful fellow coming in purple, violet, green, yellow, pink, and a banded variety called "Blue John." While stunning, this calcium fluoride mineral is too soft to be considered a gemstone. Once thought to give wine its lip-smacking flavor, it is a major component of non-stick coatings and is used to make high octane fuels. Lenses are more transparent than glass and have the added bonus of eliminating color distortion.

Have a great month. You are all my valentines!

Sandra



### TREASURER'S REPORT

#### Current Expense

Club promotion advertising  
Storage unit rent  
VFW meeting space rental

#### Upcoming Expense

Snowflake/Taylor Chamber  
Navajo County STEM Fair



#### Income This Month

2024 Gem & Mineral Show  
Member dues  
Member donations  
American Online Giving Foundation

# BULLETIN BOARD

**Oh February, month so fine  
It gives us love  
And Valentines.**

**Happy February Birthday  
to  
Joe Devito  
Shirley Leistikow**

**Why Not Join our  
Let's Do Lunch Club**

**WHEN:** Friday, Feb. 23, be there at  
12:00 Noon.

**WHERE:** The Bison Bar & Grill at  
Bison Golf Club, 1 N. Bison Preserve  
(just off of Clark) in Show Low.

**Let's celebrate our February  
birthday club members!**

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**Notice:**

**Last names N-Z will supply the  
potluck table for the  
March 3, 2024 meeting.**

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**Memorial Service for  
our friend and fellow club member  
Bill Stalder**

**Will be held Saturday, February 17,  
11:00AM**

**Porter Mountain Fellowship Christian  
Church,  
1790 W. Commerce Drive, Lakeside.**

**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**

<b>Office</b>	<b>Name</b>	<b>Phone</b>	<b>E-Mail</b>
<b>PRESIDENT</b>	Sandra Angelo	(928)537-3726	sandra_angelo@hotmail.com
<b>VICE PRESIDENT</b>	Debbie Christmas	(602)475-4714	Deb_xmas@yahoo.com
<b>2ND VICE PRESIDENT</b>	Carol Glick	(928)228-6202	malcarglick@yahoo.com
<b>SECRETARY</b>	Shelly Applegate	(928)245-4300	shellylynn@gmail.com
<b>TREASURER (Acting)</b>	Carl Hickman	(928)536-3744	carlhickman8@earthlink.net
<b>EDITOR</b>	B.G. Hogarth	(928)532-3043 Cell-(775)397-2312	hogarths@citlink.net
<b>FIELD TRIPS</b>	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**

<b>Webmaster/Coalition Chair</b>	Aimee Webster	(602)503-8417	afwebster61@gmail.com
<b>Show Chairman</b>	Cathy Cargile	(714)348-9162	skyranch5734@yahoo.com
<b>Assistant Show Chairman</b>	Carl Hickman	(928)536-3744	carlhickman8@earthlink.net
<b>Sunshine</b>	Donna Pollard	480-600-2714	tdpollard@msn.com
<b>Education, Schools</b>	Open		
<b>Greeter/Door Prizes/Raffle</b>	Thelma Gray/Diane Moten		
<b>Auctioneer</b>	Donna and Terry Pollard		
<b>Highway Cleanup</b>	Brookie/ Larry Embry	(928)537-0760	
<b>Bonus Prizes</b>	Sandra Angelo	(928)537-3726	
<b>Historian</b>	Donna Pollard	(480)600-2714	tdpollard@msn.com
<b>Librarian</b>	Rick Palmer	(928)333-5019	palmer57@frontiernet.net
<b>Meeting Room Setup/cleanup</b>	Shelly Applegate	(928)245-4300	shellylynn@gmail.com

**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 FEBRUARY 4, 2024

**P**resident Sandra Angelo opened the meeting with the Pledge of Allegiance and a welcome to members and guests.

For Show and Tell, Mary Johnson displayed some petrified wood and jasper that she found on a trip to Juniper Ridge. She suggested a club trip to that area. Rick Palmer brought his favorite pieces of calcite and fluorite found at the west side of Bear Mountain. He displayed several other specimens, including a nice piece of fluorite, and a photo of himself standing next to a large rock specimen in Socorro, New Mexico.

Treasurer Carl Hickman gave the club's financial report. He discussed the various non-profit and educational organizations that the club supports, such as the local chambers of commerce, the Show Low Museum, and the Navajo County STEM fair, which is coming up. Debbie Christmas mentioned that the club needs eight volunteers to step up for the monthly meeting presentations. She said that no programs are needed for the months of July, September, and December.

President Sandra Angelo called for volunteers for various club offices that are vacant. This would include:

**Treasurer:** This is a relatively easy job and Carl Hickman will train.

**Education:** Someone to do presentations at local schools on rocks and minerals. This also includes checking with school and local libraries as to what books and magazines they might want on this subject.

**A club liaison** with the Show Low Chamber of Commerce.

**An assistant** for meeting room setup and teardown.

The announcement was made that Thelma Gray, having reached the age of 90, has been given lifetime club membership.

Sandra mentioned two upcoming shows; Daisy Mountain Rock and Mineral Show on March 2-3, and one in Albuquerque, New Mexico March 15-17.

The Navajo County STEM Fair is coming up February 24, and volunteer judges are needed. Training for judges will be provided. Debbie Christmas is our coordinator with the STEM director and volunteers should contact Debbie.

Sandra reported that a memorial service will be held for Bill Stalder, a much-loved member of the club on February 17. (See Page 2 in *Rock Talk* for further information.)

Show Chair Cathy Cargile reported on the club's visit to the Gila County Gem and Mineral Show (See Page 5 in *Rock Talk*).

She mentioned several activities that could possibly be integrated into our own show. She also displayed flyers designed to introduce the public to our club and encouraged those present to pick up a few for distribution.

For the February fieldtrip, it was decided to visit the Bullion Museum and Cultural Center in Globe. (See Page 5 in *Rock Talk* for further details.)

Show Chair Cathy Cargile gave an update on the July show progress. Most of the tables have been sold, with only two or possibly four tables still available. The planned mini-show at Concho, discussed at the last meeting, got rained out.

Donna Pollard mentioned that the club has been granted access to the piece of land next to our 20-acre granted piece near St. Johns. We may take any "treasure" we find. A dinosaur vertebra has been found there.

A presentation on obsidian was given by Debbie Christmas.

After the door prize and 50/50 drawings, and with no further business to discuss, the meeting was adjourned.

Respectfully submitted,

Shelly Applegate, Secretary

**CHECK IT OUT--BULLION MUSEUM AND CULTURAL CENTER IN GLOBE**

By  
Sandra  
Angelo

Our fieldtrip this month on February 24 will take us back to Globe-Miami to the Bullion Museum and Cultural Center. It is ADA accessible and compliant. From there we can enjoy a late lunch at one of the local restaurants. The Pickle Barrel is a fun tourist attraction. And the Rock Shop is always a great place to visit. Meet at the Show Low Chamber of Commerce parking lot at 9:00 AM for a 9:15 departure.

**"KIDS" HAVING FUN AT THE GILA COUNTY GEM & MINERAL SHOW!!**

Article by  
Sandra Angelo

Photos by  
Donna Pollard



January's Field trip took us to the Gila County Gem and Mineral show. What a fun day! The fairgrounds were an ideal location. The building had two large rooms; the first had the vendors and club displays and the second held the kids activities and the silent auction. Fifteen club members joined in the fun. Some of us had trouble leaving the kids area (big kids that we are). Their club had two rows of display cases! Something to aspire to! And they asked the public to vote on various categories. Besides having a good time, we also took home a lot of good ideas for our show.

# ROCK(S) OF THE MONTH:

## PECTOLITE AND ITS BLUE VERSION, LARIMAR



By  
Donna Pollard



**P**ectolite is an Inosilicate with a formula of  $\text{NaCa}_2\text{Si}_3\text{O}_8(\text{OH})$ , hydrous sodium calcium silicate. The name comes from the Greek word 'pektos,' meaning 'compacted,' alluding to the mineral's compact fibrous nature.

Regular pectolite is colorless, white, or gray, acicular (needle-like) crystals often in balls with the crystals radiating from the center. Pectolite needles can be long, two inches or more and are very sharp. The mineral is also in fibrous radiating spherical aggregates, or compact masses.

With a hardness (H) of 4.5 - 5, and a specific gravity (S.G.) of 2.8 - 2.9, pectolite is of medium hardness and light weight. Cleavage is perfect in two directions, with an uneven fracture. The luster is vitreous (glassy), to silky in the fibrous nature. This mineral has a white streak.

Pectolite forms by hydrothermal processes, where heated, mineral filled water rises and fills cavities in basalt and similar rocks. Once the solutions harden, the resulting mineral fillings are called amygdaloids, and the rock texture is amygdaloidal. Pectolite is also found in fractures in serpentinite and in contact metamorphic limestones. Pectolite is associated with other zeolites, especially prehnite, natrolite, heulandite, and calcite.

The minerals tremolite and wollastonite are similar but are rarely found with zeolites. Pectolite dissolves in hydrochloric acid (HCL) forming a cloudy silica gel, and if heated in a test tube pectolite releases water. Pectolite is of interest to scientists and collectors.

Clear or white crystals occur in several places in New Jersey; such as Franklin, Sussex County; Paterson and Prospect Park, Passaic County; and Bergen Hill, Hudson County. Beautiful crystals are located in Magnet Cove, Arkansas, and massive white pectolite in veins several feet across are found in Middletown, Lake County, California. It is also found in mines in Thetford, Quebec; the Kola Peninsula of the USSR; Bohemia, Czechoslovakia; and Trent, Italy.

### LARIMAR

**O**ne place not often listed for finding an abundance of pectolite is the Dominican Republic, the only place known where the blue variety of pectolite exists. Called Larimar, often referred to as the "Atlantis Stone", Larimar was first discovered in the early 1970s and rediscovered by Miguel Mendez in 1974. He named the stone 'Larimar,' a combination of his daughter's name Larissa, and 'mar' which means 'sea' in Spanish. It is a very popular gemstone.

This rare blue stone has a diverse coloring of light blues indispersed with the normal white of pectolite. The mines where this version of pectolite is found are about 100 meters deep. Some of the original specimens found were considered of higher quality than the later mined material, but as the mines go deeper, more material has been found with more and various coloring. The mines may produce for another 25 years.

An interesting hypothesis of the coloring has to do with how light is dispersed. While this formation shaped the same as pectolite, there is an opinion that as the fluids cooled, spherulites (tiny rounded particles) coalesced into a gel which hardened. Using ice as an example, when ice is very thick, red wavelengths are absorbed and shorter blue wavelengths are transmitted. The ice then appears blue. If the ice is thin, all wavelengths transmit, and the ice is clear. If there are a lot of air pockets (like snow) the light cannot penetrate, and the result is white. This is called the Rayleigh Effect and the reason the sky is various shades of blue depending on the thickness of the atmosphere. Larimar may show varying color as a result of the thick or thin particles in the stone, scattering different wavelengths of light. Larimar is certainly a popular version of pectolite.

# CRAFTY CORNER

By Lidia Duvall



## Japanese Mizuhiki Art



### DIRECTIONS FOR WRAPPED ROCKS (AT LEFT)

Thoroughly wash and dry your rock. Cut two six-foot long pieces of different colored cord. Take the first colored cord and make

an "L" shape on the back of your rock. Holding it firmly, start wrapping the stone, catching the "L" shape at each wrap to secure, and going over the stick on the front of the stone. Wrap the cord around eight times in the center of stone going over the stick each time. Secure the end of the cord by tucking under on the back side. (I threaded the cord on a needle to get it under the eight cords) Take the second colored cord for the circle, and on the front of the rock tuck the end under the eight cords to secure. (I used the awl to poke it under; you can add a dab of glue if you like). I began the circle by going under the stick, then over the eight cords, under the stick and over the cords, and so on until you use up all the cord. I used the awl to keep pushing the cords close together, tight, and circular. Hide the end of the cord by tucking it under the circle with the awl. Surprisingly the cords stay in place but use hot glue if you find it necessary.

Tada! You are done with your first rock, easy peasy! I also found a rough rock was easier than a polished one, because the polished were slick. Check out this New Mexico artist Betsy Bauer at [www.wrappedrockz.com](http://www.wrappedrockz.com) for inspiration. She uses cane instead of cord.

This Japanese art uses a paper cord to tie knots and weave. It has been used for centuries for gift giving. The idea is to weave or tie knots without glue. The process is a bit Zen, meditative, and minimalistic. The knots lend from weaving, basket weaving, nautical, and basic knot tying. This art is sometimes done on rocks, as a hair accessory, to embellish gifts, to decorate envelopes, jewelry, or to decorate a Samurai's sword. Sumo Wrestlers also use this art to tie up their hair. It is commonly used as gift giving for weddings, birthdays, and funerals. Its application for rocks is described below. For further information on knot tying, a book or internet can be consulted. I have only included directions to make one rock. There are so many ideas and so many different kinds of knots!!! Many are complicated, but most are easy. I found once I got going I was winging it on some of the rocks.

### SUPPLIES NEEDED:

1. **Symmetrical rock** looks best.
2. **Cord** (Use what you have; twine, hemp rope, leather, plastic cord, yarn, or nylon cord, etc.)
3. **Large needle, two awls, and/or a nail** for threading and lifting cords for under weave.
4. **Embellishments** (I used sticks, jewelry, cabochons, other stones, feather, shells, and a pearl)
5. **Glue gun** This is not traditional, but it was so much easier!

# White Mountain Gem & Mineral Club Calendar of Events for 2024

## *Meetings:*

**Our meeting hours are:  
1:00 PM for social gathering and potluck  
The meeting begins at 1:30 PM.**

## *Field Trips:*

**Please let us know if you know of any  
places that would be great for our outings!**

MONTH	MEETING	FIELD TRIP	ACTIVITIES
<b>January</b>	<b>7</b>	<b>13-Globe</b>	
<b>February</b>	<b>4</b>	<b>24</b>	
<b>March</b>	<b>3</b>	<b>23</b>	
<b>April</b>	<b>7</b>	<b>27</b>	
<b>May</b>	<b>5</b>	<b>25</b>	Hiway Cleanup-18th
<b>June</b>	<b>2</b>	<b>22</b>	Show Low Days
<b>July</b>	<b>7</b>	—	Medieval Mayhem
<b>ANNUAL SHOW: July 26-28 Show Low Elks Lodge</b>			
<b>August</b>	<b>4</b>	<b>24</b>	
<b>September</b>	<b>1-Picnic</b>	<b>21</b>	Hiway Cleanup-14th
<b>October</b>	<b>6</b>	<b>26</b>	Harvest Fest-12th
<b>November</b>	<b>3</b>	<b>23</b>	
<b>December</b>	<b>8</b>	<b>14</b>	







# 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:** \_\_\_\_\_

# FROM THE CLUB PHOTO ALBUM

## AROUND AND ABOUT IN THE MEETING ROOM



# FROM THE CLUB PHOTO ALBUM

## AND THEN THERE'S THE LET'S DO LUNCH BUNCH!

We meet once a month to celebrate birthdays.  
You should join us—we have lots of fun!

