



#### Elected Officers

President **Open**  
Vice President **David Bingell**  
(928) 367-4062  
Secretary **Tonie MonDragon**  
(859) 338-2296  
Treasurer **Larry Legge**  
(928) 537-2524  
Editor **Charlene Bingell**  
(928) 367-4062  
Field Trip Chairman- **Open**

#### Board Members:

**Ursula Wilson** (928) 532-5703  
**George Stokes** (928) 229-0328  
**Karen Stokes** (928) 229-0328

#### Volunteer Positions:

Show Chair **Open**  
Advertise & PR **Open**  
Librarian **Open**  
Door Prizes/50-50 Raffle  
**Kathleen Varhol**  
**Linda Stalder**

Auctioneer **Bill Stalder**  
(928) 368-4496

Highway Clean Up  
**Nanz Marshall**  
(928) 537-2524

Coalition Trips/Historian/Sunshine  
**Eunice McQuiston**  
(928) 536-7209

Education (Schools/Libraries)

Web Master **Open**  
**Ron Ginn**  
[wginn3@gmail.com](mailto:wginn3@gmail.com)  
480-294-0731

# President's Message

**For those of you who were unable to attend the March Meeting**  
**Nanz Marshall resigned as president.**

March 2011

First and foremost let me apologize to each and every one of you. I know I'm disappointing you, but I MUST have some down time before I'm completely wrecked, both physically and mentally.

Yes, it's impossible to get one volunteer to take over all that I've been doing, but many hands make light work. I'm MORE than willing to work with ONE person to take over ONE job. It just means getting more Club members involved. There is a description of these jobs later in the newsletter. Please let me know ASAP what you will do for your Club.

This year presents a challenge to all of us. Will I be able to save my life and sanity and still be a part of the Club I believe in and love? Will you be able to step up and take responsibility for at least a small part of keeping Your Club going? Time will tell.

Yours in Rockhounding,

Nanz

"Rock Talk" is published monthly by The White Mountain Gem & Mineral Club, Inc. Any comments members wish to have published in "Rock Talk" need to be turned in or called in at the general membership meeting to the Editor. **Membership dues** are \$15.00 for single membership and \$20.00 for couple/family. Dues are due the first of January of every year along with a completed application. **Meetings** are held at J.B.'s Restaurant on the Deuce of Clubs, Show Low, Az., 1st Tuesday of the month, social hour starts at 5:30/meeting at 6:30.

# Meeting Minutes

Minutes of General Meeting  
White Mountain Gem & Mineral Club  
March 1, 2010

Vice President David Bingell called the meeting to order at 6:30 p.m. There were 19 members present and three guests. There not being a quorum present no voting would take place.

David made the announcement that President Nanz Marshall had resigned and that he would like someone to volunteer to be voted in at the next meeting. David has the responsibilities for the Scholarship Program and the Educational Programs each month and cannot take on the presidency.

Larry Legge gave the Treasurer's reports for January and February and passed out the proposed 2011 budget compiled by the Board at its meeting in January. The budget will be printed in the newsletter and voted on at the next meeting. Larry explained the reasoning behind the changes in budget amounts as either attributed to (1) there being no annual show this year, and (2) to attract membership participation.

The Editor, Charlene Bingell and the Secretary, Tonie MonDragon had no reports.

Vice President David Bingell reported that the Scholarship Committee had scheduled two meetings but they were cancelled due to weather. He went on to explain the roles of the members: David to intake the applications and date them, Sandra to read the essays for content, Linda to advocate for the applicants, George to review them for viability and Cleto to act as counsel in case of questions. David explained the time line for accepting applications and that the award to one Undergraduate student and one Graduate student would be in May 2012 in a lump sum.

David reported on his search for a video camera for recording our activities on field trips and other

outings. He found a couple at Big Lots in the \$99.00 range and it was suggested he check with Ron Ginn regarding the camera having the capability of uploading to the website. It was recommended that David be allowed a budget of \$150 for the camera to include an extra memory stick or two.

Eunice McQuiston reported that there is a Coalition field trip on March 26 hosted by the Leverites to the Seven Springs area for jasper, agate and sagenite. Information is elsewhere in this newsletter. Eunice also reported that the Magdalena, New Mexico trip would be in September and that Karen Stokes is in charge. The trip would include a new excursion to the ghost town of Rosedale.

Larry Legge reported on his scouting trip to the marble quarry in Queen Creek and circulated a sample piece. He will lead a trip there on March 19 as some members indicated interest. The details will be in this newsletter.

Bill Stalder reminded members and guests about the drawings at the end of the night and the silent auction and the membership took a 10 minute break.

The meeting resumed with David making an educational presentation on the building of the pyramids in Egypt. He explained how just the few members present could build a pyramid. However, he explained, given the Egyptian natural resources they had a better chance at success which indeed they did. The Egyptians had people for the labor, granite for the building blocks, and papyrus, oil and sand to create a cutting system and a moving system.

The next item of business was the rock exchange in which 10 members participated.

The prize drawings were next. Tonie won the 50/50 of \$11.00, Jim Melson won a selenite specimen and David Bingell won a malachite specimen. The door prize of a petrified wood specimen was won by a guest, Cheryl.

The meeting adjourned at 7:55 p.m. with the silent auction continuing for five more minutes after the meeting.

Respectfully submitted,  
Tonie MonDragon, Secretary

## Next Meeting

Mark your calendars: Our meetings are always the first Tuesday of the Month- Next month will be **April 5, 2010** - at JB's Restaurant on the Deuce of Clubs in Show Low- social hour starts at 5:30 meeting starts promptly at 6:30 PM.

## Web Site Info

[whitemountain-azrockclub.org](http://whitemountain-azrockclub.org)

## Birthdays

Happy Birthday March Babies

March  
Ron Dale – 20  
Karen Stokes- 14  
Robert Hall- 8  
Kethy Frost- 26  
Luke Leffew- 2

## FIELD TRIPS

March Filed Trip:

March Excursion

On Saturday March 19<sup>th</sup> Larry Legge will lead the Club on a field trip to the Marble Quarry in the Hewitt Canyon/ Queen Creek area. The stone there is abundant and has beautiful color. The area has awesome vistas, although is perhaps a stretch for mobility challenged hikers. ATV's are heard and seen everywhere, so if you have one, consider bringing yours. High clearance vehicles are recommended. Your usual list of outing gear should include; a whistle, hat, layered clothing, sunscreen, safety glasses, pick and chisel, collecting bag/ backpack, plenty of water, if you take meds, keep them with you, a lunch and chair/ stool. There may be snakes out and about, so keep alert, and keep other people in sight.

Come out if you can. It will be warm/ hot so be prepared. Larry will meet you at the corner of US 60 and Queen Valley Rd, at the RR Tracks. If you get to the Florence Junction intersection, you've gone too far. Larry will from there lead the (+/-) 10 miles back to the cache. Meeting at 10 am will give you plenty of time to get down the hill and meet the others, get outing instructions and sign in. Call Larry at 928-242-2232 with questions. It should be FUN, so meet you there!

See the map at the end of the newsletter.

March Coalition Field Trip:

Sponsored by the Arizona Leaverites

Trip Leader: Tom Parks

Date: Saturday, March 26th 2011

FRS/GMRS radio frequency: 5 with 0 or no subcode.

Meeting point: Sears Kay Ruin parking lot. Parking lot is located a couple miles north of the Bartlett Lake turnoff on Forest Road 24 or Seven Springs Road. (Search this location on the internet, you will find directions.) This location is in Tonto National Forest.

Meeting time: 7:45 AM –Departure 8:00 AM

I will lead the group to all the known/published collecting locations along Seven Springs road all the way to Sheep's Crossing. Trip Duration up to 14 hours, depending on your level of ambition.

Materials include: Jasper, Agate, Travertine and Saginite.

Most vehicles are capable of making the trip. The remaining 8 miles to Sheep's Crossing is extremely unpleasant. Imagine driving over 8 miles of bowling balls half buried in concrete and you get the idea.

Last year a total of 5 flat tires were enjoyed by the trip members. Make sure your spare is functional.

Standard collecting tools are required. Remember to bring plenty of water and whatever else you think you will need for a trip of this duration.

### **VOLUNTEER WANTED - Field Trips – 2011**

Your Club Needs YOU

One of the more attractive aspects of Your Club has always been the monthly outings to collect specimens of a wide variety. It is a much needed and officer position to be Field Trip Coordinator. Yes, it does take time and energy to do this job well, but everything worthwhile does. Please step up and give Your Club the adventures that have been SO enjoyed in the past. It is also an option to volunteer to lead only one monthly outing. Please consider this and present your idea at the monthly meeting at least one month in advance of the outing. Let's Rockhound!

### **Club Presidents Duties or Can One Club Member Take Over One of These Duties...**

I'll start with a once a year job that has three parts. The Claims Outing needs to happen in June. Followed by filling out the BLM forms, getting the fee from Larry, getting the notarized signature from Tonie, then sending everything certified, return receipt to Phoenix. When the forms are returned, drive them over to St. Johns County Recorder with (+/-) \$20 cash. Larry will reimburse your receipt. Do make copies of all the paperwork. Also write announcements and reports for the newsletter.

Next, a twice a year job with three parts, our Club's community service Highway Clean-up. As weather permits, the first Saturday in May and then in Sept., we clean our mile of US 60 between 330 & 331. On the Friday before the outing you go to the SL ADOT to pick up the bags, vests and forms (call ahead and they'll have them boxed and ready). Lead the outing on Sat, emphasizing and enforcing the rules of Safety First, no juniors or pets, and getting all the signatures on the ADOT form. On the following Mon., return to ADOT the vests, any unused bags and the signed form. Also announce and write up reports for the newsletter

Here is another twice a year job, only this has six parts. Get copies of the Club brochure and the forms and fees (from Larry) for the Chamber of Commerce in Pinetop-Lakeside, Show Low, and Snowflake. Visit each to pay the fee and restock the brochures. These renewals are not all in the same month. If the Club is having a Show, also visit each with flyers at least one month ahead of time, they usually give a raffle donation if you ask. Your name will become the contact number for each, they will check with you about C of C meetings and events, and list your number with tourists or interested people who want info on Club activities. Keep a copy of the brochure handy for yourself when these questions come in, you'll answer confidently and cordially.

Another job involves coordinating payment from Larry, getting a discount through our Librarian for

the donation of the Rock & Gem magazine to the public libraries in P-L, SL and Snowflake. These gift announcements should be hand delivered to each library after the paperwork goes through, and give each brochures &/or flyers, they usually display them.

Still another help would be to become the Christmas Party coordinator. Last year there were disappointments and surprises. This year it needs to be clear what expenses the Club will incur, what provisions JB's will provide (table servings, tables, beverages, etc.) and perhaps get a contract? Or look elsewhere? Along with the facility the Party Coordinator provides table cloths, electrical support, centerpieces, pot luck lists, etc. This can be a FUN job, but requires months of planning ahead, making announcements in the newsletter, and possibly moving our party.

It would help immensely if someone else became my contact number, and remember Eunice is also listed and will be your backup. Your number would be listed on the brochure, internet, with the AZ. Mining & Mineral, with the newspaper ad, etc. I usually get 3-6 calls a month during the winter, and double (or triple) that amount spring-fall. Some of the questions can be answered by the brochure info. Other calls want info on where to find grit, lapidary equip/findings, nearest cutting/polishing service, places to find certain stones or someone to identify/appraise their own stone, or oil for their own saw, etc., then something really weird like how to magnetize water. I'm not afraid to say, "I don't know", but give them names and locations for things I do or other people of knowledge, like Eunice, who might help them. It's very important to remain friendly and interested in the called and ALWAYS plug the Club.

I won't go into the duties of the Show Chair unless someone steps up for next year. There is to be a committee on reorganizing and renewing the Show soon. Talk to Tonie if you want to be a part of this revamping.

I'll briefly touch on the duties of Pres. Of course, leading the monthly meeting (you prepare ahead of time and hopefully have solved the

problems/questions presented the month before). You should be aware of the needed announcements and reports on current and near future events. The Pres also handles the Board meetings and coordinates both Bd Mem and Volunteers, handling both their needs and complaints. Also there is once yearly Budget meeting and a once every three year By-Laws revision. Your number also receives calls from the Gen Mem on their needs/complaints which you should do your best to handle. There's really lots more, but that's a highlight- I really don't want to discourage a capable person from taking on the role.

I'm sure you've read enough-you may have even stopped paragraphs ago. So forgive me for needing to resign, but I do want to remain a member of the Club I love, and will assist anyone willing to step-up. Help Your Club keep going and take on just ONE thing to survive. LOVE to ALL. Nanz

## Club Raffle

To raise money for the club this year we are having a raffle for an afghan. Please buy tickets at the next meeting as we will have the drawing at Mays meeting. ). The colors are bands of sand, smithsonite green, rhodochrosite pink, sulfur yellow and turquoise blue.





## AZ MINING AND MINERAL MUSEUM TO CLOSE

AZ students are protesting the June 1st closing of their only earth-science museum, the AZ Mining and Mineral Museum. They are planning a march from the Mining and Mineral Museum to the capitol to make citizens aware of the secret plans the Governor, the AZ Historical Society and the Centennial Foundation, to create another historical museum and close the Mining and Mineral Museum.

The closure will be lengthy—the projected opening date of the 5C's Centennial Museum is November of 2012, and due to the lack of an organized project plan, probably much later than that! We believe a prolonged closure is unnecessary and will harm the highly rated Mining and Mineral Museum and deny students and teachers access to its educational services. What, if anything, will be left of the current museum is not known to supporters at this time.

The march will be held on Tuesday, March 15th. Students, and any adults who wish to support the students or show their support for the museum, should gather at the Mining and Mineral Museum located on 15th Avenue and Washington Street at 10:30 a.m. Parking is available in the lot on the northeast corner of 15th Avenue and Adams, diagonally across 15th Avenue from the parking lot behind the Mining and Mineral Museum.

The march will be dignified and respectful. Marchers are encouraged to carry signs supporting the students concerns.

Examples: Save the Mining and Mineral Museum; Save the existing displays and mining equipment; Keep educational programs for schools open; Smart businesses do not close for more than a year to remodel, if they want to keep their clients; We don't need another history museum; Students shouldn't have to beg for earth-science education; etc.

For questions or information contact Mardy Zimmerman at 480-839-6390

## **Rock and Gem Shows**

### March

11-13—COTTONWOOD, ARIZONA: Show, "Verde Valley Gem Mineral & Jewelry Show"; Mingus Gem & Mineral Club; Verde Valley Fairgrounds, 800 E. Cherry St.; Fri. 9-5, Sat. 9-5, Sun. 10-4; adults \$2, children 13 and under free with paying adult; more than 30 vendors, door prize raffles, educational displays, extensive children's area; contact Sarah Knowles, P.O. Box 1284, Cottonwood, AZ 86326; e-mail: [Mingusgemandmineralclub@gmail.com](mailto:Mingusgemandmineralclub@gmail.com)

11-14—DEMING, NEW MEXICO: 46th annual show, "Rockhound Roundup Gem & Mineral Show"; Deming Gem & Mineral Society; SWNM State Fairgrounds, Raymond Reed Blvd.; free admission; more than 100 dealers, display cases, geode cutting, gold panning, spinning wheel, silent and live auctions, door prizes, raffle, guided field trips; contact Terry Dellinger, P.O. Box 1459, Deming, NM 88031, (936) 433-0108; e-mail: [theDGMS@gmail.com](mailto:theDGMS@gmail.com); Web site: [www.dgms.bravehost.com](http://www.dgms.bravehost.com)

18-20—ALBUQUERQUE, NEW MEXICO: 42nd annual show, Treasures of the Earth"; Albuquerque Gem & Mineral Club; Creative Arts Center Bldg., State Fair Grounds, EXPO NM (San Pedro entrance); Fri. 10-6, Sat. 10-6, Sun. 10-5; adults \$1 Fri., \$3 Sat. and Sun., kids 12 and under free; more than 40 dealers, displays, door prizes, silent auctions, mineral and gem identification, juniors' booth, live wolf, geode cracking, faceting demonstration, gold panning and more; contact Paul Hlava, (505) 255-5478; e-mail: [paulhlava@q.com](mailto:paulhlava@q.com)

<http://www.rockngem.com/showdates.asp>

## Education Report

A quick educational program was given by David Bingell. He spoke about the logistics involved with building a pyramid by looking at the materials available to Ancient Egyptians and the knowledge base we have as rockhounds.

He listed: granite, sand, 18 different types of reeds (some usable for writing, some useable for making rope, lots of rope), natural seeps of oil and human ingenuity. Granite is between 4 and 5 on the Mohs scale of hardness, and sand (silica and feldspar) is between 6 and 7 on the Mohs scale of hardness.

By making rope that has been twisted and soaked in an oil seep, the Ancient Egyptians would wind the rope through the sand and in essence, create a band blade that was harder than the stone being cut. Two people could take ends of this rope and cut as thick or thin as they chose. A third person could monitor the cut and keep water flowing over the cut.

Each block is on average 22 tons, and it is speculated that 14 blocks had to be made and set in place each minute if we are to believe that it took 25 years to build the Great Pyramid at Giza. Once the block is cut to the specifications made by the foreman back at the pyramid (47 miles away from the quarry), it is sent down a ramp using reeds that were soaked in water and "cured" with oil. This makes for a very slick surface that would carry the

block to the barge to be sent down river. Once arriving, the barge would have a very controlled hard landing to the port and set the blocks in motion up the array of ramps to the place the foreman had ordered the stone.

Roughly 20 people could make and oversee the production and setting of the stone. Perhaps a 50 to 100 people were needed to pull the stone up and set the stone into place.

While it is fun to think that aliens built the pyramids, we should never leave out the feats of human ingenuity.

## United States Minerals/Rocks or Stones and Gemstones by States:

### Hawaii



Black Coral

### Idaho



Star Garnet

## Illinois



Fluorite

### Description

**English:** [en:Fluorite](#) with [en:Pyrite](#),  
(Crystal courtesy of  
[en>User:chaosdna](#))

**Deutsch:** [de:Fluorit](#) mit [de:Pyrit](#)

**Date** 2007-05-22 (original upload date)

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## Indiana



Salem Limestone

[http://en.wikipedia.org/wiki/List\\_of\\_U.S.\\_state\\_minerals,\\_rocks,\\_stones\\_and\\_gemstones](http://en.wikipedia.org/wiki/List_of_U.S._state_minerals,_rocks,_stones_and_gemstones)

## Marble

The word marble comes from the Greek word marmaros which means shining stone. To the geologist, marble is a non-foliated, granular metamorphic rock that is formed by the metamorphism of limestone and dolostone. It is usually formed by regional metamorphism but sometimes is formed by contact metamorphism. Both limestone and marble are calcium carbonate (CaCO<sub>3</sub>) which is also the composition of the mineral calcite. The metamorphism of limestone causes the calcite grains to grow in size and to interlock with one another. The result is that marble is noticeably more dense and harder than limestone. Limestone frequently contains invertebrate fossils. However, these fossils are almost always destroyed by metamorphism.

Marble is found, literally, all over the world. It is most notably located in regions of dramatic metamorphism, especially regional metamorphism. Carrara, Italy produced some of the most famous and desired marble in history. From the quarries of Carrara have come enormous blocks of pure white, extremely hard marble. The Pantheon was constructed from Carrara marble. Michelangelo's famous sculpture David was carved from Carrara marble. Spain, Greece, Turkey, China, Poland, Ireland and Mexico have all produced marble of various colors and patterns. In the United States, Danby, Vermont and Marble, Colorado have produced significant quantities of high-quality marble for use as dimension stone both for construction as well as for carving purposes.

Quarries in the United States produce 11.8 million metric tons of crushed marble. Five companies operate a total of six mines in five different states. In order of production, from greatest to least, the states are Georgia, Vermont, Tennessee, Colorado and Alabama. A total of 1.3 billion tons of crushed rock is produced in the United States annually. Of this, less than 6% is marble. (In fact, sandstone, quartzite, scoria, volcanic cinder, marble and miscellaneous stone, all together, account for less than 6% of the total crushed stone production in the U.S.)

<http://www.mii.org/Minerals/photomarmble.html>

visit the website to read more about marble



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Member:  
Rocky Mountain Federation  
Of Mineralogical Societies



American Federation of  
Mineralogical Societies



March 19th  
Field  
Trip

